

Nanotubes from Carbon

Chemical Reviews

99, 1787-1800

DOI: 10.1021/cr970102g

Citation Report

#	ARTICLE	IF	CITATIONS
1	Explosions as a Synthetic Tool? Cycloalkynes as Precursors to Fullerenes, Buckytubes, and Buckyonions. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 2825-2828.	13.8	53
2	Lithographic Imaging Techniques for the Formation of Nanoscopic Features. <i>Chemical Reviews</i> , 1999, 99, 1801-1822.	47.7	474
3	Molecular Architecture via Coordination: Self-Assembly of Pseudohexagonal A ₂ X ₂ 3-Macrocycles. <i>Organic Letters</i> , 1999, 1, 1921-1923.	4.6	52
4	Large scale synthesis of carbon nanofibers by catalytic decomposition of hydrocarbon. <i>Studies in Surface Science and Catalysis</i> , 2000, , 193-200.	1.5	2
7	Aligned Coaxial Nanowires of Carbon Nanotubes Sheathed with Conducting Polymers. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3664-3667.	13.8	235
8	Self-Assembled Organometallic Block Copolymer Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3862-3865.	13.8	66
9	Filled and mixed nanotubes: from TEM studies to the growth mechanism within a phase-diagram approach. <i>Applied Surface Science</i> , 2000, 164, 227-240.	6.1	43
10	Strong Luminescence of Solubilized Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2000, 122, 5879-5880.	13.7	729
11	Nanostructured carbon generated by chemical vapor deposition from acetylene on surfaces pretreated by a combination of physical and chemical methods. <i>Journal of Materials Research</i> , 2000, 15, 2087-2090.	2.6	3
12	Tight binding molecular dynamics studies of boron assisted nanotube growth. <i>Journal of Chemical Physics</i> , 2000, 113, 3814-3821.	3.0	37
13	Static and Frequency-Dependent Polarizability Tensors for Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 10462-10466.	2.6	64
14	Carbon Nanofibers: Catalytic Synthesis and Applications. <i>Catalysis Reviews - Science and Engineering</i> , 2000, 42, 481-510.	12.9	1,223
15	Plasma patterning of carbon nanotubes. <i>Applied Physics Letters</i> , 2000, 76, 2719-2721.	3.3	55
16	Hydrosilylation of Allyl Alcohol with [HSiMe ₂ OSiO _{1.5}] ₈ : Octa(3-hydroxypropyldimethylsiloxy)octasilsesquioxane and Its Octamethacrylate Derivative as Potential Precursors to Hybrid Nanocomposites. <i>Journal of the American Chemical Society</i> , 2000, 122, 6979-6988.	13.7	251
17	First-Principles Study of Li-Intercalated Carbon Nanotube Ropes. <i>Physical Review Letters</i> , 2000, 85, 1706-1709.	7.8	298
18	Methods for preparation of carbon nanotubes. <i>Russian Chemical Reviews</i> , 2000, 69, 35-52.	6.5	101
19	C ₂ -Fullerenes. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2000, 96, 467-490.	0.8	6
20	Gas-Phase Purification of Single-Wall Carbon Nanotubes. <i>Chemistry of Materials</i> , 2000, 12, 1361-1366.	6.7	141

#	ARTICLE	IF	CITATIONS
21	Synthesis of Single-Walled Carbon Nanotubes in Flames. Journal of Physical Chemistry B, 2000, 104, 9615-9620.	2.6	58
22	Investigation of the Electrochemical and Electrocatalytic Behavior of Single-Wall Carbon Nanotube Film on a Glassy Carbon Electrode. Analytical Chemistry, 2001, 73, 915-920.	6.5	815
23	Zn nanobelts: a new quasi one-dimensional metal nanostructure. Chemical Communications, 2001, , 2632-2633.	4.1	71
24	Soluble Dendron-Functionalized Carbon Nanotubes: Preparation, Characterization, and Properties,. Chemistry of Materials, 2001, 13, 2864-2869.	6.7	335
25	Applications of Carbon Nanotubes. , 2001, , 391-425.		640
26	Carbon Nanotube Solâ”Gel Composite Materials. Nano Letters, 2001, 1, 719-721.	9.1	130
27	Nanotubes Prepared by Templating Sacrificial Nickel Nanorods. Nano Letters, 2001, 1, 727-730.	9.1	161
28	Fast Electron Transfer Kinetics on Multiwalled Carbon Nanotube Microbundle Electrodes. Nano Letters, 2001, 1, 87-91.	9.1	485
29	Carbon Nanotubes: Synthesis, Properties, and Applications. Critical Reviews in Solid State and Materials Sciences, 2001, 26, 145-249.	12.3	403
30	Insertion of Lithium Ions into Carbon Nanotubes:Â An ab Initio Study. Journal of Physical Chemistry A, 2001, 105, 10397-10403.	2.5	98
31	Dissolution of small diameter single-wall carbon nanotubes in organic solvents?. Chemical Communications, 2001, , 193-194.	4.1	525
32	Frequency-Dependent Polarizability of Boron Nitride Nanotubes:Â A Theoretical Study. Journal of Physical Chemistry B, 2001, 105, 10243-10248.	2.6	42
33	Formation of ion-irradiation-induced atomic-scale defects on walls of carbon nanotubes. Physical Review B, 2001, 63, .	3.2	294
34	HRTEM surface profile imaging of solids. Current Opinion in Solid State and Materials Science, 2001, 5, 75-83.	11.5	24
35	PRODUCTION OF CARBON NANOTUBES IN AIR. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 321-328.	0.6	4
36	Nanostructures via Noncovalent Synthesis:Â 144 Hydrogen Bonds Bring Together 27 Components. Journal of Organic Chemistry, 2001, 66, 8297-8301.	3.2	38
37	Effect of Rehybridization on the Electronic Structure of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2001, 123, 11292-11293.	13.7	173
38	Synthesis of All-carbon Chains and Nanoparticles by Chemical Transformation of Halogenated Hydrocarbons at Low Temperatures. Tanso, 2001, 2001, 22-38.	0.1	2

#	ARTICLE	IF	CITATIONS
39	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
40	Novel multi-walled nanotubes-supported and alkali-promoted Ru catalysts for ammonia synthesis under atmospheric pressure. Applied Surface Science, 2001, 180, 328-335.	6.1	73
41	HRTEM surface characterization of nanoscale solid-state materials. Surface and Interface Analysis, 2001, 32, 236-239.	1.8	3
42	Nanotubes. ChemPhysChem, 2001, 2, 78-105.	2.1	597
45	Preparation and Properties of Polymer-Wrapped Single-Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2001, 40, 1721-1725.	13.8	931
46	Th-Symmetric Nanoporous Network Built of Hexameric Metallamacrocycles with Disparate Cavities for Guest Inclusion. Angewandte Chemie - International Edition, 2001, 40, 1725-1728.	13.8	66
47	Carbon nanotubes produced by substrate free metalorganic chemical vapor deposition of iron catalysts and ethylene. Carbon, 2001, 39, 443-449.	10.3	33
48	Carbon nanostructures produced by chlorinating aluminium carbide. Carbon, 2001, 39, 2043-2048.	10.3	73
49	Large-scale rooted growth of aligned super bundles of single-walled carbon nanotubes using a directed arc plasma method. Chemical Physics Letters, 2001, 343, 7-14.	2.6	40
50	Synthesis of carbon nanotubes from in situ generated cobalt nanoparticles and carbon monoxide. Chemical Physics Letters, 2001, 344, 256-262.	2.6	41
51	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
52	Purification and Characterization of Single-Wall Carbon Nanotubes. Journal of Physical Chemistry B, 2001, 105, 1157-1161.	2.6	507
53	Big Is Beautiful~"Aromaticity"Revisited from the Viewpoint of Macromolecular and Supramolecular Benzene Chemistry. Chemical Reviews, 2001, 101, 1267-1300.	47.7	1,286
54	Plasma Activation of Carbon Nanotubes for Chemical Modification. Journal of Physical Chemistry B, 2001, 105, 618-622.	2.6	265
55	Non-Carbon Nanotubes (Review). Part 1. Synthesis Methods. Powder Metallurgy and Metal Ceramics, 2001, 40, 485-496.	0.8	22
56	FULLERENES AND FULLERENE-BASED MATERIALS IN CATALYSIS. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 255-280.	0.6	61
57	Tight binding method simulation of the formation of nanotube. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 289, 121-126.	2.1	5
58	Adsorption and capillarity of nitrogen in aggregated multi-walled carbon nanotubes. Chemical Physics Letters, 2001, 345, 18-24.	2.6	213

#	ARTICLE	IF	CITATIONS
59	Computational characterization of surfaces of model graphene systems. Computational and Theoretical Chemistry, 2001, 549, 147-158.	1.5	35
60	Electrical stimulation enhances cellular/molecular functions of osteoblasts relevant to new bone formation in vitro. , 0, , .		0
61	Hydrogen-containing carbon nanostructures: synthesis and properties. Russian Chemical Reviews, 2001, 70, 131-146.	6.5	43
62	Polymer-Single Wall Carbon Nanotube Composites for Potential Spacecraft Applications. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	29
63	Visible photoluminescence from ruthenium-doped multiwall carbon nanotubes. Applied Physics Letters, 2001, 79, 4022-4024.	3.3	36
64	Vibrational properties of single-wall nanotubes and monolayers of hexagonal BN. Physical Review B, 2002, 66, .	3.2	114
65	Stress-induced growth of bismuth nanowires. Applied Physics Letters, 2002, 81, 3248-3250.	3.3	79
66	Synthesis and Properties of Optically Active Polycarbonates Having Long Alkyl Chains on the Main Chain Consisting of C2-Chiral Binaphthyl Units.. Kobunshi Ronbunshu, 2002, 59, 778-786.	0.2	5
67	Catalytic Activity of Multiwalled Carbon Nanotubes for the Oxidation of Nitric Oxide. Chemistry Letters, 2002, 31, 520-521.	1.3	3
68	Organic Functionalized Carbon Nanotubes. AIP Conference Proceedings, 2002, , .	0.4	0
69	Dispersion and Solubilization of Single-Walled Carbon Nanotubes with a Hyperbranched Polymer. Macromolecules, 2002, 35, 7516-7520.	4.8	176
70	Organic Functionalization of Carbon Nanotubes. Journal of the American Chemical Society, 2002, 124, 760-761.	13.7	1,193
71	Deuterium Attachment to Carbon Nanotubes in Solution. Nano Letters, 2002, 2, 1165-1168.	9.1	21
72	Oxidation of Fe Nanoparticles Embedded in Single-Walled Carbon Nanotubes by Exposure to a Bright Flash of White Light. Nano Letters, 2002, 2, 1277-1280.	9.1	42
73	Efficient CVD Growth of Single-Walled Carbon Nanotubes on Surfaces Using Carbon Monoxide Precursor. Nano Letters, 2002, 2, 895-898.	9.1	138
74	Interactions of functionalized carbon nanotubes with tethered pyrenes in solution. Journal of Chemical Physics, 2002, 117, 8089-8094.	3.0	73
75	Light-Weight, Minimally-Intrusive Damping Films Featuring Nanotubes of Carbon. , 2002, , .		1
76	Preparation, Texture, and Magnetic Properties of Carbon Nanotubes/Nanoparticles Doped with Cobalt. Journal of Physical Chemistry B, 2002, 106, 4079-4084.	2.6	28

#	ARTICLE	IF	CITATIONS
77	Pyrolysis in the Mesophase: A Chemist's Approach toward Preparing Carbon Nano- and Microparticles. Journal of the American Chemical Society, 2002, 124, 13130-13138.	13.7	101
78	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
79	Interactions between Conjugated Polymers and Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2002, 106, 3124-3130.	2.6	223
80	Functionalization of Carbon Nanotubes with Polystyrene. Macromolecules, 2002, 35, 9466-9471.	4.8	379
81	Detonation chemistry of a CHNO explosive: catalytic assembling of carbon nanotubes at low pressure and temperature state. Chemical Communications, 2002, , 2740-2741.	4.1	36
82	Single-Walled Carbon Nanotube Growth on Silicon Substrates Using Nanoparticle Catalysts. Japanese Journal of Applied Physics, 2002, 41, L89-L91.	1.5	62
83	R&D News. Outlooks on Pest Management, 2002, 13, 6-7.	0.2	1
84	Filling and emptying kinetics of carbon nanotubes in water. Journal of Chemical Physics, 2002, 117, 10789-10795.	3.0	224
85	Microwave-assisted purification of HIPCO carbon nanotubes. Chemical Communications, 2002, , 2308-2309.	4.1	59
86	High-Density Growth of Single-Wall Carbon Nanotubes on Silicon by Fabrication of Nanosized Catalyst Thin Films. Chemistry of Materials, 2002, 14, 4262-4266.	6.7	9
87	Separation and Characterization of Single-Walled and Multiwalled Carbon Nanotubes by Using Flow Field-Flow Fractionation. Analytical Chemistry, 2002, 74, 4774-4780.	6.5	72
88	Elektrochemische Modifizierung einzelner Kohlenstoff-Nanoröhren Diese Arbeit wurde von der Europäischen Union (Projektnummer HPRN-CT-1999-00011) unterstützt. Die Autoren danken B. Siegle, Max-Planck-Institut für Metallforschung, Stuttgart, für die Unterstützung bei der Aufnahme der Auger-Spektren. Angewandte Chemie, 2002, 114, 1409.	2.0	22
89	Selektive Komplexierung von N-Alkylpyridiniumsalzen: NAD ⁺ -Erkennung in Wasser. Angewandte Chemie, 2002, 114, 1411.	2.0	20
90	Funktionalisierung von einwandigen Kohlenstoffnanoröhren. Angewandte Chemie, 2002, 114, 1933.	2.0	155
91	Starched Carbon Nanotubes. Angewandte Chemie, 2002, 114, 2618-2622.	2.0	53
92	Electrochemical Modification of Single Carbon Nanotubes. Angewandte Chemie - International Edition, 2002, 41, 1353-1355.	13.8	149
93	Selective Complexation of N-Alkylpyridinium Salts: Recognition of NAD ⁺ in Water. Angewandte Chemie - International Edition, 2002, 41, 1355-1358.	13.8	48
94	Functionalization of Single-Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2002, 41, 1853.	13.8	1,926

#	ARTICLE	IF	CITATIONS
95	Starched Carbon Nanotubes. Angewandte Chemie - International Edition, 2002, 41, 2508-2512.	13.8	579
96	Electrochemical Sensors Based on Carbon Nanotubes. Electroanalysis, 2002, 14, 1609-1613.	2.9	553
97	Synthesis and catalytic uses of carbon and silicon carbide nanostructures. Catalysis Today, 2002, 76, 11-32.	4.4	138
98	Electrochemical functionalization of multi-walled carbon nanotubes for solvation and purification. Current Applied Physics, 2002, 2, 107-111.	2.4	123
99	Structure of carbon nanotubes probed by local and global probes. Carbon, 2002, 40, 1635-1648.	10.3	67
100	Raman spectra of MWCNTs and MWCNT-based H ₂ -adsorbing system. Carbon, 2002, 40, 2429-2436.	10.3	221
101	Catalytic synthesis of carbon nanotubes on clay minerals. Carbon, 2002, 40, 2641-2646.	10.3	121
102	Purification and alignment of arc-synthesis single-walled carbon nanotube bundles. Chemical Physics Letters, 2002, 356, 567-572.	2.6	38
103	Opening and thinning of multiwall carbon nanotubes in supercritical water. Chemical Physics Letters, 2002, 363, 583-590.	2.6	42
104	Dispersion of single wall carbon nanotubes by in situ polymerization under sonication. Chemical Physics Letters, 2002, 364, 303-308.	2.6	716
105	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
106	Direct Electrochemistry of Cytochrome c at a Glassy Carbon Electrode Modified with Single-Wall Carbon Nanotubes. Analytical Chemistry, 2002, 74, 1993-1997.	6.5	768
107	Matrix Synthesis of N-Containing Carbon Nanotubes. Theoretical and Experimental Chemistry, 2002, 38, 114-117.	0.8	3
108	Processing and characterization of carbon nanotube/poly(styrene-co-butyl acrylate) nanocomposites. Journal of Materials Science, 2002, 37, 3915-3923.	3.7	175
109	Non-Carbon Nanotubes (Review). Part 3. Properties and Applications. Powder Metallurgy and Metal Ceramics, 2002, 41, 123-135.	0.8	20
110	Title is missing!. Journal of Nanoparticle Research, 2002, 4, 145-155.	1.9	32
111	Title is missing!. Journal of Polymer Research, 2002, 9, 239-244.	2.4	33
112	Organic modification of carbon nanotubes. Science Bulletin, 2002, 47, 441.	1.7	8

#	ARTICLE	IF	CITATIONS
113	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
114	Mechanism of Coking on Metal Catalyst Surfaces: I. Thermodynamic Analysis of Nucleation. Kinetics and Catalysis, 2003, 44, 726-734.	1.0	33
115	Three-Dimensional Self-Shaping Nanostructures Based on Free Stressed Heterofilms. Russian Physics Journal, 2003, 46, 568-576.	0.4	9
116	Density Functional Tight-Binding Studies of Carbon Nanotube Structures. Structural Chemistry, 2003, 14, 431-443.	2.0	44
117	The effect of hydrogen on the formation of nitrogen-doped carbon nanotubes via catalytic pyrolysis of acetonitrile. Chemical Physics Letters, 2003, 380, 347-351.	2.6	38
118	Simultaneous electrochemical determination of xanthine and uric acid at a nanoparticle film electrode. Analytical and Bioanalytical Chemistry, 2003, 375, 544-549.	3.7	66
119	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
120	An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. Electroanalysis, 2003, 15, 219-224.	2.9	205
121	Electrocatalytic Properties and Sensor Applications of Fullerenes and Carbon Nanotubes. Electroanalysis, 2003, 15, 753-772.	2.9	357
122	The Electrocatalytic Oxidation of Thymine at β -Cyclodextrin Incorporated Carbon Nanotube-Coated Electrode. Electroanalysis, 2003, 15, 1129-1133.	2.9	48
123	Hydrothermal Synthesis of Rare Earth (Tb, Y) Hydroxide and Oxide Nanotubes. Advanced Functional Materials, 2003, 13, 955-960.	14.9	182
124	Can Carbon Nanotubes be Considered Useful Tools for Biological Applications?. Advanced Materials, 2003, 15, 1765-1768.	21.0	323
125	Carbon Nanotube-Based Biosensor. Advanced Materials, 2003, 15, 1184-1187.	21.0	208
126	Supercritical Fluid Fabrication of Metal Nanowires and Nanorods Templated by Multiwalled Carbon Nanotubes. Advanced Materials, 2003, 15, 316-319.	21.0	186
127	A New Route to Organic Nanotubes from Porphyrin Dendrimers. Angewandte Chemie, 2003, 115, 1153-1158.	2.0	51
128	A World Beyond Hydrogen Bonds? "Chalcogen" Chalcogen Interactions Yielding Tubular Structures. Chemistry - A European Journal, 2003, 9, 2676-2683.	3.3	165
129	Soluble Carbon Nanotubes. Chemistry - A European Journal, 2003, 9, 4000-4008.	3.3	558
130	A New Route to Organic Nanotubes from Porphyrin Dendrimers. Angewandte Chemie - International Edition, 2003, 42, 1121-1126.	13.8	155

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131	New carbon-rich organometallic architectures based on cyclobutadienecyclopentadienylcobalt and ferrocene modules. <i>Journal of Organometallic Chemistry</i> , 2003, 683, 269-287.	1.8	67
132	Simultaneous determination of dopamine and serotonin on a glassy carbon electrode coated with a film of carbon nanotubes. <i>Analytical Biochemistry</i> , 2003, 318, 100-106.	2.4	303
133	Catalytic formation of carbon nanotubes during detonation of m-dinitrobenzene. <i>Carbon</i> , 2003, 41, 194-198.	10.3	12
134	Metal sulfide catalyzed growth of carbon nanofibers and nanotubes. <i>Carbon</i> , 2003, 41, 615-618.	10.3	14
135	Characterization of multiwall carbon nanotubes and influence of surfactant in the nanocomposite processing. <i>Carbon</i> , 2003, 41, 797-809.	10.3	189
136	Cone-type multi-shell in the hollow core of multi-wall carbon nanotube. <i>Chemical Physics Letters</i> , 2003, 367, 537-540.	2.6	22
137	Lithium diffusion in single-walled carbon nanotubes: a theoretical study. <i>Chemical Physics Letters</i> , 2003, 374, 548-555.	2.6	55
138	Mercury-free simultaneous determination of cadmium and lead at a glassy carbon electrode modified with multi-wall carbon nanotubes. <i>Analytica Chimica Acta</i> , 2003, 489, 215-221.	5.4	161
139	Carbon fibers prepared by pyrolysis of methane over Ni/MCM-41 catalyst. <i>Microporous and Mesoporous Materials</i> , 2003, 57, 283-289.	4.4	45
140	Photosensitive magnetism of radicals coupled with carbon nanotubes. <i>Organic Electronics</i> , 2003, 4, 15-20.	2.6	2
141	Catalytic decomposition of methane over Ni-Al ₂ O ₃ coprecipitated catalysts. <i>Applied Catalysis A: General</i> , 2003, 252, 363-383.	4.3	220
142	Fe-containing mesoporous film hosts for carbon nanotubes. <i>Materials Science and Engineering C</i> , 2003, 23, 145-149.	7.3	11
143	The emerging field of nanotube biotechnology. <i>Nature Reviews Drug Discovery</i> , 2003, 2, 29-37.	46.4	733
144	A new concept in fabricating building blocks for nanoelectronic and nanomechanic devices. <i>Microelectronic Engineering</i> , 2003, 69, 466-475.	2.4	107
145	Carbon nanotubes produced by fluidized bed catalytic CVD: first approach of the process. <i>Chemical Engineering Science</i> , 2003, 58, 4475-4482.	3.8	139
146	Mesoporous carbon nanotubes for use as support in catalysis and as nanosized reactors for one-dimensional inorganic material synthesis. <i>Applied Catalysis A: General</i> , 2003, 254, 345-363.	4.3	117
147	High-Density, Large-Area Single-Walled Carbon Nanotube Networks on Nanoscale Patterned Substrates. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6859-6864.	2.6	72
148	Magnetic Properties and Diffusion of Adatoms on a Graphene Sheet. <i>Physical Review Letters</i> , 2003, 91, 017202.	7.8	419

#	ARTICLE	IF	CITATIONS
149	Polymerization from the Surface of Single-Walled Carbon Nanotubes â Preparation and Characterization of Nanocomposites. Journal of the American Chemical Society, 2003, 125, 16015-16024.	13.7	462
150	Functionalization of Single-Walled Carbon Nanotubes with (R-)Oxycarbonyl Nitrenes. Journal of the American Chemical Society, 2003, 125, 8566-8580.	13.7	520
151	A survey on the functionalization of single-walled nanotubes. The chemical attachment of phthalocyanine moieties. Nanotechnology, 2003, 14, 765-771.	2.6	100
152	Polymeric Carbon Nanocomposites from Carbon Nanotubes Functionalized with Matrix Polymer. Macromolecules, 2003, 36, 7199-7204.	4.8	423
153	Electrostatic Interactions between Shortened Multiwall Carbon Nanotubes and Polyelectrolytes. Langmuir, 2003, 19, 2525-2527.	3.5	81
154	Size-Controlled Growth of Co ₃ O ₄ Nanocubes. Chemistry of Materials, 2003, 15, 2829-2835.	6.7	265
155	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
156	Electrostatic Assembly of Polymer/Single Walled Carbon Nanotube Multilayer Films. Nano Letters, 2003, 3, 59-62.	9.1	175
157	Kinetically Controlled Synthesis of Wurtzite ZnS Nanorods through Mild Thermolysis of a Covalent OrganicâInorganic Network. Inorganic Chemistry, 2003, 42, 3100-3106.	4.0	173
158	Noncovalent Functionalization of Graphite and Carbon Nanotubes with Polymer Multilayers and Gold Nanoparticles. Nano Letters, 2003, 3, 1437-1440.	9.1	170
159	Sidewall Amino-Functionalization of Single-Walled Carbon Nanotubes through Fluorination and Subsequent Reactions with Terminal Diamines. Nano Letters, 2003, 3, 331-336.	9.1	335
160	Large-Scale Preparation of Solubilized Carbon Nanotubes. Chemistry of Materials, 2003, 15, 3256-3260.	6.7	109
161	Formation of anatase TiO ₂ nanoparticles on carbon nanotubes. Chemical Communications, 2003, , 780-781.	4.1	151
162	N ₂ Physisorption on Carbon Nanotubes: A Computer Simulation and Experimental Results. Journal of Physical Chemistry B, 2003, 107, 8905-8916.	2.6	41
163	Self-Alignment of Shortened Multiwall Carbon Nanotubes on Polyelectrolyte Layers. Langmuir, 2003, 19, 4848-4851.	3.5	44
164	Stringing up the Pearls: A Self-Assembly, Optical and Electronic Properties of CdSeâ and AuâLiMo ₃ Se ₃ NanoparticleâNanowire Composites. Nano Letters, 2003, 3, 125-129.	9.1	45
165	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
166	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

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167	High-Yield Solvothermal Formation of Magnetic CoPt Alloy Nanowires. Journal of the American Chemical Society, 2003, 125, 7528-7529.	13.7	133
168	Carbon Fiber Nanoelectrodes Modified by Single-Walled Carbon Nanotubes. Analytical Chemistry, 2003, 75, 6341-6345.	6.5	139
169	Electrochemical Properties of Single-Wall Carbon Nanotube Electrodes. Journal of the Electrochemical Society, 2003, 150, E409.	2.9	90
170	Electrochemical Behavior and Detection of Daunomycin at Multi-walled Carbon Nanotubes Modified Electrode. Analytical Letters, 2003, 36, 2597-2608.	1.8	13
171	Carbon Nanotubes as Assisted Matrix for Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2003, 75, 6191-6195.	6.5	322
172	Covalent Coupling of Quantum Dots to Multiwalled Carbon Nanotubes for Electronic Device Applications. Nano Letters, 2003, 3, 447-453.	9.1	331
173	Interaction of Aromatic Compounds with Carbon Nanotubes: A Correlation to the Hammett Parameter of the Substituent and Measured Carbon Nanotube FET Response. Nano Letters, 2003, 3, 1421-1423.	9.1	204
174	Preparation of multiwall carbon nanotubes film modified electrode and its application to simultaneous determination of oxidizable amino acids in ion chromatography. Talanta, 2003, 60, 1123-1130.	5.5	89
175	Adsorptive stripping voltammetric determination of 4-aminophenol at a single-wall carbon nanotubes film coated electrode. Talanta, 2003, 61, 411-416.	5.5	74
176	Characterization of light emitting devices based on a single-walled carbon nanotube-polymer composite. Synthetic Metals, 2003, 139, 565-568.	3.9	40
177	Supramolecular Self-Assembly of Lipid Derivatives on Carbon Nanotubes. Science, 2003, 300, 775-778.	12.6	765
178	Electrochemical determination of 8-azaguanine in human urine at a multi-carbon nanotubes modified electrode. Microchemical Journal, 2003, , .	4.5	0
179	Use of epoxy/multiwalled carbon nanotubes as adhesives to join graphite fibre reinforced polymer composites. Nanotechnology, 2003, 14, 791-793.	2.6	214
180	Noncovalent Side-Wall Functionalization of Single-Walled Carbon Nanotubes. Macromolecules, 2003, 36, 553-560.	4.8	289
181	Temperature Effects on Resistivity of Mesoscopic Nanotube Ensembles. , 2003, , .		0
182	Thermionic Properties of Single Wall Carbon Nanotubes. , 2003, , .		0
183	A study on the effect of surface treatment of carbon nanotubes for liquid crystalline epoxide-carbon nanotube composites. Journal of Materials Chemistry, 2003, 13, 676-681.	6.7	111
184	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

#	ARTICLE	IF	CITATIONS
185	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
186	Solvothermal synthesis of Mg(OH) ₂ nanotubes using Mg ₁₀ (OH) ₁₈ Cl ₂ ·5H ₂ O nanowires as precursors. Journal of Materials Chemistry, 2003, 13, 3062-3065.	6.7	83
187	Enzyme~Polymer~Single Walled Carbon Nanotube Composites as Biocatalytic Films. Nano Letters, 2003, 3, 829-832.	9.1	161
188	ELECTRONIC STRUCTURE OF THE FINITE-SIZED SINGLE-WALLED CARBON NANOTUBES. International Journal of Nanoscience, 2003, 02, 141-152.	0.7	8
189	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
190	Electrochemistry at Carbon Nanotube Electrodes. Reviews in Analytical Chemistry, 2003, 22, 19-34.	3.2	45
191	Nitrogen adsorption on carbon nanotube bundles:~Role of the external surface. Physical Review B, 2003, 68, .	3.2	62
192	Plasma coating of carbon nanofibers for enhanced dispersion and interfacial bonding in polymer composites. Applied Physics Letters, 2003, 83, 5301-5303.	3.3	137
193	Low Temperature Gas Phase Synthesis of Germanium Nanowires. Materials Research Society Symposia Proceedings, 2003, 789, 181.	0.1	0
194	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
195	Microwave~Assisted Synthesis of a Soluble Single Wall Carbon Nanotube Derivative. Fullerenes Nanotubes and Carbon Nanostructures, 2003, 11, 25-34.	2.1	51
196	Synthesis of Zn nanofibres through simple thermal vapour-phase deposition. Journal Physics D: Applied Physics, 2003, 36, L35-L38.	2.8	29
197	Power consumption of piezoelectric actuators with multiwalled carbon nanotube film deposition. , 2003, 5055, 215.		0
198	Synthesis procedures for production of carbon nanotube junctions. , 2003, , .		4
199	Optical measurements of structure and orientation in sheared carbon-nanotube suspensions. Review of Scientific Instruments, 2003, 74, 1244-1250.	1.3	45
200	Direct Electrochemistry of Glucose Oxidase at a Gold Electrode Modified with Single-Wall Carbon Nanotubes. Sensors, 2003, 3, 544-554.	3.8	86
201	Review of Polymer Composites with Carbon Nanotubes. , 2003, , .		0
202	Lectin-mediated Supramolecular Junctions of Galactose-derivatized Single-walled Carbon Nanotubes. Chemistry Letters, 2003, 32, 212-213.	1.3	34

#	ARTICLE	IF	CITATIONS
205	Controlled Functionalization of Carbon Nanotubes by in Situ Polymerization Strategy. AIP Conference Proceedings, 2004, , .	0.4	0
206	Single-Walled Carbon Nanotubes Acting as Controllable Transport Channels. Chinese Physics Letters, 2004, 21, 2388-2391.	3.3	7
207	Covalent Coupling of Gold Nanoparticles to Multiwalled Carbon Nanotubes for Electronic Device Applications. Materials Research Society Symposia Proceedings, 2004, 818, 324.	0.1	2
208	Electron field emission from arrays of individual carbon nanotubes vertically aligned, preparation and properties. , 0, , .		0
209	Controlled growth of carbon nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2143-2160.	3.4	35
210	Electrical Conductivity and Electromagnetic Interference Shielding of Multi-walled Carbon Nanotube Filled Polymer Composites. Materials Research Society Symposia Proceedings, 2004, 858, 255.	0.1	2
211	Heat of Adsorption of Butane on Multiwalled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 13688-13695.	2.6	29
212	A novel synthesis route to Y2O3:Eu nanotubes. Nanotechnology, 2004, 15, 568-571.	2.6	49
213	CATALYTIC PRODUCTION OF GRAPHITIC NANORODS VIA THE GAS PHASE DECOMPOSITION OF ETHYLENE OVER SUPPORTED NICKEL. Chemical Engineering Communications, 2004, 191, 1456-1472.	2.6	1
214	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
215	Efficient Direct Water-solubilisation of Single-Walled Carbon Nanotube Derivatives. Fullerenes Nanotubes and Carbon Nanostructures, 2004, 12, 789-809.	2.1	15
216	Enhanced ice sheet growth in Eurasia owing to adjacent ice-dammed lakes. Nature, 2004, 427, 429-432.	27.8	108
217	Atomic-scale imaging of carbon nanofibre growth. Nature, 2004, 427, 426-429.	27.8	1,318
218	Solvothermal synthesis of hierarchically structured pyrochlore ammonium tungstate nanospheres. Materials Research Bulletin, 2004, 39, 887-899.	5.2	8
219	Vanadyl salen complexes covalently anchored to single-wall carbon nanotubes as heterogeneous catalysts for the cyanosilylation of aldehydes. Journal of Catalysis, 2004, 221, 77-84.	6.2	167
220	Catalytic Growth of Structured Carbon via the Decomposition of Chlorobenzene over Ni/SiO ₂ . Topics in Catalysis, 2004, 29, 119-128.	2.8	11
221	A Convenient Route to Functionalized Carbon Nanotubes. Nano Letters, 2004, 4, 1257-1260.	9.1	297
222	Electroless plating of carbon nanotubes with silver. Journal of Materials Science, 2004, 39, 3241-3243.	3.7	63

#	ARTICLE	IF	CITATIONS
223	Dispersion of carbon nanotubes in polymer matrix by in-situ emulsion polymerization. Journal of Materials Science, 2004, 39, 4921-4922.	3.7	16
224	Nanoelectronic Devices Based on Carbon Nanotubes. Radiophysics and Quantum Electronics, 2004, 47, 435-452.	0.5	19
225	Electrochemical functionalization of nanotube films: growth of aryl chains on single-walled carbon nanotubes. New Journal of Chemistry, 2004, 28, 302.	2.8	88
226	A Generic Organometallic Approach toward Ultra-Strong Carbon Nanotube Polymer Composites. Journal of the American Chemical Society, 2004, 126, 10226-10227.	13.7	227
227	Electrochemical Study and Selective Determination of Dopamine at a Multi-Wall Carbon Nanotube-Nafion Film Coated Glassy Carbon Electrode. Mikrochimica Acta, 2004, 144, 131-137.	5.0	96
228	Electrochemical Determination of 4-Nitrophenol Using a Single-Wall Carbon Nanotube Film-Coated Glassy Carbon Electrode. Mikrochimica Acta, 2004, 148, 87.	5.0	75
229	Study of influence on the surface energy heterogeneity of multiwalled carbon nanotubes after the adsorption of poly(acrylic acid). Journal of Colloid and Interface Science, 2004, 278, 299-303.	9.4	3
230	Electrochemical characteristics of the immobilization of calf thymus DNA molecules on multi-walled carbon nanotubes. Bioelectrochemistry, 2004, 62, 29-35.	4.6	107
231	Formation and subsequent inclusion of fullerene-like nanoparticles in nanocomposite carbon thin films. Carbon, 2004, 42, 1651-1656.	10.3	28
232	Synthesis of carbon nanotubes from a chlorine-containing precursor and their properties. Carbon, 2004, 42, 2581-2587.	10.3	33
233	Syntheses of CNTs over several iron-supported catalysts: influence of the metallic precursors. Catalysis Today, 2004, 93-95, 681-687.	4.4	24
234	Novel fluorescent cationic phospholipid, O-4-naphthylimido-1-butyl-DOPC, exhibits unusual foam morphology, forms hexagonal and cubic phases in mixtures, and transfects DNA. Chemistry and Physics of Lipids, 2004, 129, 183-194.	3.2	10
235	Polymer-layered silicate“carbon nanotube nanocomposites: unique nanofiller synergistic effect. Composites Science and Technology, 2004, 64, 2317-2323.	7.8	135
236	Functionalization of multiwalled carbon nanotubes by reversible addition fragmentation chain-transfer polymerization. Polymer, 2004, 45, 8717-8721.	3.8	133
237	Fabrication and magnetic properties of amorphous Co _{0.71} Pt _{0.29} nanowire arrays. Solid State Communications, 2004, 132, 399-403.	1.9	24
238	Fabrication of a single-walled carbon nanotube-modified glassy carbon electrode and its application in the electrochemical determination of epirubicin. Journal of Nanoparticle Research, 2004, 6, 665-669.	1.9	27
239	Electron Microscopy Characterization of Silicon Dioxide Nanotubes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1054-1058.	1.2	8
240	Cure kinetics of carbon nanotube/tetrafunctional epoxy nanocomposites by isothermal differential scanning calorimetry. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 3701-3712.	2.1	134

#	ARTICLE	IF	CITATIONS
241	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
242	Wet-Chemical Assembly of Carbon Tube-in-Tube Nanostructures. <i>Small</i> , 2004, 1, 107-110.	10.0	15
243	Molecular Peapods as Supramolecular Carbon Allotropes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2326-2329.	13.8	94
244	Side-Wall Opening of Single-Walled Carbon Nanotubes (SWCNTs) by Chemical Modification: A Critical Theoretical Study. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 1552-1554.	13.8	105
245	Long-Range Electrical Contacting of Redox Enzymes by SWCNT Connectors. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2113-2117.	13.8	591
246	Molecular-Glass-Blowing: From Carbon Nanotubes to Carbon Nanobulbs. <i>Advanced Materials</i> , 2004, 16, 443-447.	21.0	15
247	Single-Walled Carbon Nanotubes Tethered with Porphyrins: Synthesis and Photophysical Properties. <i>Advanced Materials</i> , 2004, 16, 896-900.	21.0	139
248	Nanoparticle Synthesis in Engineered Organic Nanoscale Reactors. <i>Advanced Materials</i> , 2004, 16, 671-682.	21.0	360
252	Direct Electrochemistry of Catalase at a Gold Electrode Modified with Single-Wall Carbon Nanotubes. <i>Electroanalysis</i> , 2004, 16, 627-632.	2.9	135
253	The Electrochemical Behavior of Hemoglobin on SWNTs/DDAB Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2004, 16, 97-100.	2.9	29
254	Single-Wall Carbon Nanotube Paste Electrodes: a Comparison with Carbon Paste, Platinum and Glassy Carbon Electrodes via Cyclic Voltammetric Data. <i>Electroanalysis</i> , 2004, 16, 1451-1458.	2.9	105
255	Glucose Biosensor Based on Multi-Walled Carbon Nanotube Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2004, 16, 1697-1703.	2.9	54
256	Carbon Nanotubes-Based Amperometric Cholesterol Biosensor Fabricated Through Layer-by-Layer Technique. <i>Electroanalysis</i> , 2004, 16, 1992-1998.	2.9	101
257	Biomolecule-Functionalized Carbon Nanotubes: Applications in Nanobioelectronics. <i>ChemPhysChem</i> , 2004, 5, 1084-1104.	2.1	675
258	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
259	Electrostatic assembly of calf thymus DNA on multi-walled carbon nanotube modified gold electrode and its interaction with chlorpromazine hydrochloride. <i>Electrochimica Acta</i> , 2004, 49, 2637-2643.	5.2	88
260	The isomerization mechanism of X-ASWCNT (X=CH ₂ and SiH ₂). <i>Computational and Theoretical Chemistry</i> , 2004, 681, 225-230.	1.5	3
261	Polyoxometalates nanoparticles: synthesis, characterization and carbon nanotube modification. <i>Solid State Communications</i> , 2004, 129, 559-564.	1.9	55

#	ARTICLE	IF	CITATIONS
262	Application of multi-walled carbon nanotubes functionalized with hemin for oxygen detection in neutral solution. <i>Journal of Electroanalytical Chemistry</i> , 2004, 562, 241-246.	3.8	112
263	Electrochemical behavior of l-dopa at single-wall carbon nanotube-modified glassy carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2004, 569, 47-52.	3.8	87
264	Grafting of alkoxyamine end-capped (co)polymers onto multi-walled carbon nanotubes. <i>Polymer</i> , 2004, 45, 6097-6102.	3.8	114
265	Electrochemical determination of 8-azaguanine in human urine at a multi-carbon nanotubes modified electrode. <i>Microchemical Journal</i> , 2004, 77, 37-42.	4.5	21
266	The influence of particle shape and size on electric conductivity of metal-polymer composites. <i>European Polymer Journal</i> , 2004, 40, 323-327.	5.4	129
267	Ab initio investigations of lithium diffusion in single-walled carbon nanotubes. <i>Chemical Physics</i> , 2004, 297, 85-91.	1.9	34
268	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
269	Nonenzymatic glucose detection using multi-walled carbon nanotube electrodes. <i>Electrochemistry Communications</i> , 2004, 6, 66-70.	4.7	310
270	Electroanalytical thin film electrodes based on a Nafion [®] multi-walled carbon nanotube composite. <i>Electrochemistry Communications</i> , 2004, 6, 917-922.	4.7	60
271	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004, 6, 1180-1184.	4.7	122
272	Melt processing of SWCNT-polyimide nanocomposite fibers. <i>Composites Part B: Engineering</i> , 2004, 35, 439-446.	12.0	155
273	Single-walled carbon nanotubes produced by catalytic chemical vapor deposition of acetylene over Fe-Mo/MgO catalyst. <i>Chemical Physics Letters</i> , 2004, 383, 104-108.	2.6	82
274	Synthesis of single-walled carbon nanotubes by a fluidized-bed method. <i>Chemical Physics Letters</i> , 2004, 384, 98-102.	2.6	81
275	Controlling the diameters in large-scale synthesis of single-walled carbon nanotubes by catalytic decomposition of CH ₄ . <i>Chemical Physics Letters</i> , 2004, 398, 276-282.	2.6	47
276	Processing and properties of MWNT/HDPE composites. <i>Carbon</i> , 2004, 42, 271-277.	10.3	190
277	Catalytic growth of carbon nanotubes through CHNO explosive detonation. <i>Carbon</i> , 2004, 42, 361-370.	10.3	50
278	Carbon nanofibers for composite applications. <i>Carbon</i> , 2004, 42, 1153-1158.	10.3	468
279	Self assembly of ordered artificial solids of semiconducting ZnS capped CdSe nanoparticles at carbon nanotube ends. <i>Carbon</i> , 2004, 42, 1537-1542.	10.3	57

#	ARTICLE	IF	CITATIONS
280	Large scale and high purity synthesis of single-walled carbon nanotubes by arc discharge at controlled temperatures. Carbon, 2004, 42, 2765-2768.	10.3	42
281	Mechanical and morphological characterization of polymer-carbon nanocomposites from functionalized carbon nanotubes. Carbon, 2004, 42, 2849-2854.	10.3	287
282	Deposition of a thin film of carbon nanotubes onto a glassy carbon electrode by electropolymerization. Carbon, 2004, 42, 3237-3242.	10.3	40
283	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
284	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
285	Single-walled carbon nanotubes acquire a specific lectin-affinity through supramolecular wrapping with lactose-appended schizophyllan. Chemical Communications, 2004, , 2150.	4.1	76
286	Carbon nanotube/poly(2,4-hexadiyne-1,6-diol) nanocomposites prepared with the aid of supercritical CO ₂ . Chemical Communications, 2004, , 2190.	4.1	30
287	Capillarity-driven assembly of two-dimensional cellular carbon nanotube foams. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4009-4012.	7.1	279
288	Mediated amperometric immunosensing using single walled carbon nanotube forests. Analyst, The, 2004, 129, 1176.	3.5	81
289	Growth of Single-Walled Carbon Nanotubes by the Rapid Heating of a Supported Catalyst. Chemistry of Materials, 2004, 16, 5637-5643.	6.7	23
290	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
291	Molecular Structures of Alumina Nanoballs and Nanotubes: A Theoretical Study. Inorganic Chemistry, 2004, 43, 1184-1189.	4.0	27
292	Ferrocenylethynylbenzenes as Precursors to in Situ Synthesis of Carbon Nanotube and Fe Nanoparticle Compositions. Chemistry of Materials, 2004, 16, 1091-1097.	6.7	42
293	Deuterium Attachment to Carbon Nanotubes in Deuterated Water. Journal of the American Chemical Society, 2004, 126, 4669-4675.	13.7	21
294	Polymer/Single-Walled Carbon Nanotube Films Assembled via Donor-Acceptor Interactions and Their Use as Scaffolds for Silica Deposition. Chemistry of Materials, 2004, 16, 3904-3910.	6.7	55
295	Supramolecular Self-Assembly of Graphene Sheets: Formation of Tube-in-Tube Nanostructures. Nano Letters, 2004, 4, 2255-2259.	9.1	74
296	Sol-Gel-Derived Ceramic-Carbon Nanotube Nanocomposite Electrodes: Tunable Electrode Dimension and Potential Electrochemical Applications. Analytical Chemistry, 2004, 76, 6500-6505.	6.5	143
297	Production of Hydrogen and Carbon Nanostructures by Non-oxidative Catalytic Dehydrogenation of Ethane and Propane. Energy & Fuels, 2004, 18, 727-735.	5.1	45

#	ARTICLE	IF	CITATIONS
298	Magnetically Assembled Multiwalled Carbon Nanotubes on Ferromagnetic Contacts. Journal of Physical Chemistry B, 2004, 108, 19818-19824.	2.6	21
299	DNA-Binding Protein Nanotubes: Learning from Nature's Nanotech Examples. Nano Letters, 2004, 4, 1897-1902.	9.1	34
300	Electrogenerated Chemiluminescence from Ru(Bpy) ₃ ²⁺ -Ion-Exchanged in Carbon Nanotube/Perfluorosulfonated Ionomer Composite Films. Analytical Chemistry, 2004, 76, 2683-2688.	6.5	205
301	Silica-Coated Single-Walled Nanotubes: Nanostructure Formation. Chemistry of Materials, 2004, 16, 2691-2693.	6.7	53
302	Bimetallic Clusters by Underpotential Deposition on Layered Au Nanoparticle Films. Journal of Physical Chemistry B, 2004, 108, 5372-5379.	2.6	18
303	Polymer Brushes on Single-Walled Carbon Nanotubes by Atom Transfer Radical Polymerization of n-Butyl Methacrylate. Journal of the American Chemical Society, 2004, 126, 170-176.	13.7	391
304	Functionalised single wall carbon nanotubes/polypyrrole composites for the preparation of amperometric glucose biosensors. Journal of Materials Chemistry, 2004, 14, 807-810.	6.7	89
305	Supercritical fluid synthesis and characterization of catalytic metal nanoparticles on carbon nanotubes. Journal of Materials Chemistry, 2004, 14, 908.	6.7	246
306	Synthesis of Pyrene-Containing Polymers and Noncovalent Sidewall Functionalization of Multiwalled Carbon Nanotubes. Chemistry of Materials, 2004, 16, 4005-4011.	6.7	163
307	One-Step Synthesis of Submicrometer Fibers of MoO ₃ . Chemistry of Materials, 2004, 16, 1126-1134.	6.7	120
308	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
309	Advances toward bioapplications of carbon nanotubes. Journal of Materials Chemistry, 2004, 14, 527.	6.7	827
310	A novel nanocomposite from multiwalled carbon nanotubes functionalized with a conducting polymer. Smart Materials and Structures, 2004, 13, 295-298.	3.5	78
311	Poly-L-lysine Functionalization of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 15343-15346.	2.6	141
312	Polyimide-Functionalized Carbon Nanotubes: Synthesis and Dispersion in Nanocomposite Films. Macromolecules, 2004, 37, 6055-6060.	4.8	189
313	Dispersions of Individual Single-Walled Carbon Nanotubes of High Length. Langmuir, 2004, 20, 5149-5152.	3.5	122
314	Covalent Attachment and Hybridization of DNA Oligonucleotides on Patterned Single-Walled Carbon Nanotube Films. Langmuir, 2004, 20, 8886-8891.	3.5	96
315	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

#	ARTICLE	IF	CITATIONS
316	Layer-by-Layer Assembled Composites from Multiwall Carbon Nanotubes with Different Morphologies. Nano Letters, 2004, 4, 1889-1895.	9.1	255
317	Dissolution of Pristine Single Walled Carbon Nanotubes in Superacids by Direct Protonation. Journal of Physical Chemistry B, 2004, 108, 8794-8798.	2.6	262
318	Manufacture and electrical properties of multiwalled carbon nanotube/BaTiO ₃ nanocomposite ceramics. Journal of Materials Chemistry, 2004, 14, 2536.	6.7	53
319	Investigation of modified basal plane pyrolytic graphite electrodes: definitive evidence for the electrocatalytic properties of the ends of carbon nanotubesElectronic supplementary information (ESI) available: the use of CNT-modified electrodes in electrochemistry, and SEM images of MWNTs before immobilisation and after modification of a basal plane pyrolytic graphite electrode. See http://www.rsc.org/suppldata/c4/b41406174h . Chemical Communications, 2004, , 1884.	4.1	396
320	Basal Plane Pyrolytic Graphite Modified Electrodes: A Comparison of Carbon Nanotubes and Graphite Powder as Electrocatalysts. Analytical Chemistry, 2004, 76, 2677-2682.	6.5	481
321	Structure and Function of Enzymes Adsorbed onto Single-Walled Carbon Nanotubes. Langmuir, 2004, 20, 11594-11599.	3.5	482
322	Review of hydrogen storage in inorganic fullerene-like nanotubes. Applied Physics A: Materials Science and Processing, 2004, 78, 989-994.	2.3	87
323	Germanium Nanowires and Core-Shell Nanostructures by Chemical Vapor Deposition of [Ge(C ₅ H ₅) ₂]. Chemistry of Materials, 2004, 16, 2449-2456.	6.7	118
324	Functionalization of Single-Walled Carbon Nanotubes with Polystyrene via Grafting to and Grafting from Methods. Macromolecules, 2004, 37, 752-757.	4.8	338
325	Hyperbranched Poly(amidoamine)-modified Multi-walled Carbon Nanotubes via Grafting-from Method. Chemistry Letters, 2004, 33, 490-491.	1.3	47
326	Synthesis and Characterization of Strontium Carbonate Nanowires with a Axis Orientation and Dendritic Nanocrystals. Chemistry Letters, 2004, 33, 290-291.	1.3	17
327	Direct Electrochemistry of Xanthine Oxidase at a Gold Electrode Modified with Single-Wall Carbon Nanotubes. Analytical Sciences, 2004, 20, 635-638.	1.6	19
328	Carbon nanotubes: from production to functional composites. International Journal of Nanotechnology, 2005, 2, 71.	0.2	19
329	LaI ₂ @(18,3)SWNT: The Unprecedented Structure of a LaI ₂ Crystal Encapsulated within a Single-Walled Carbon Nanotube. Microscopy and Microanalysis, 2005, 11, 421-430.	0.4	10
330	Elastic Cycles as Flexible Hosts: How Tubes Built by Cyclic Chalcogenalkynes Individually Host Their Guests. Chemistry Letters, 2005, 34, 126-131.	1.3	29
331	Electrochemistry and Electroanalytical Applications of Carbon Nanotubes: A Review. Analytical Sciences, 2005, 21, 1383-1393.	1.6	289
332	C ₂ H ₆ as an active carbon source for a large scale synthesis of carbon nanotubes by chemical vapour deposition. Applied Catalysis A: General, 2005, 279, 89-97.	4.3	98
333	Direct simultaneous determination of dihydroxybenzene isomers at C-nanotube-modified electrodes by derivative voltammetry. Journal of Electroanalytical Chemistry, 2005, 575, 275-280.	3.8	206

#	ARTICLE	IF	CITATIONS
334	Electrocatalytic reduction of oxygen by a platinum nanoparticle/carbon nanotube composite electrode. Journal of Electroanalytical Chemistry, 2005, 577, 295-302.	3.8	130
335	Electrochemical reduction of dioxygen on carbon nanotubesâ€“dihexadecyl phosphate film electrode. Journal of Electroanalytical Chemistry, 2005, 580, 68-77.	3.8	28
336	Effects of different caps on model nanotube surface properties. Microelectronic Engineering, 2005, 81, 485-493.	2.4	14
337	Template-mediated growth of Cu ₃ SnS ₄ nanoshell tubes. Journal of Crystal Growth, 2005, 284, 226-234.	1.5	48
338	Characterization of orientation state of carbon nanotubes in shear flow. Polymer, 2005, 46, 5232-5240.	3.8	133
339	Singlewall carbon nanotubes covered with polypyrrole nanoparticles by the miniemulsion polymerization. Polymer, 2005, 46, 6308-6315.	3.8	109
340	Electrochemical oxidation of multi-walled carbon nanotubes and its application to electrochemical double layer capacitors. Electrochemistry Communications, 2005, 7, 249-255.	4.7	185
341	Preparation and capacitances of oriented attachment CuO nanosheets and the MWNT/CuO nanocomposites. Solid State Communications, 2005, 134, 729-733.	1.9	24
342	Platinum catalysts supported on MWNT for catalytic wet air oxidation of nitrogen containing compounds. Catalysis Today, 2005, 102-103, 101-109.	4.4	84
343	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
344	Carbon nanostructures with macroscopic shaping for catalytic applications. Catalysis Today, 2005, 102-103, 2-14.	4.4	88
345	Macroscopic carbon nanofibers for use as photocatalyst support. Catalysis Today, 2005, 101, 323-329.	4.4	47
346	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
347	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
348	Changes in surface heterogeneity of multi-walled carbon nanotubes due to adsorption of poly(acrylic) Tj ETQqO O O rgBT /Overlock 10 TF Engineering Aspects, 2005, 264, 219-223.	4.7	2
349	Ab initio investigations of lithium insertion in boron and nitrogen-doped single-walled carbon nanotubes. Chemical Physics Letters, 2005, 411, 256-261.	2.6	24
350	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
351	Pd nanoparticles introduced inside multi-walled carbon nanotubes for selective hydrogenation of cinnamaldehyde into hydrocinnamaldehyde. Applied Catalysis A: General, 2005, 288, 203-210.	4.3	258

#	ARTICLE	IF	CITATIONS
352	Catalytic growth of carbon nanotubes over Ni/Cr hydrotalcite-type anionic clay and their hydrogen storage properties. <i>Applied Surface Science</i> , 2005, 242, 192-198.	6.1	52
353	A multiwall carbon nanotubes film-modified carbon fiber ultramicroelectrode for the determination of nitric oxide radical in liver mitochondria. <i>Bioelectrochemistry</i> , 2005, 65, 135-142.	4.6	74
354	Self-assembly of bilayer lipid membrane at multiwalled carbon nanotubes towards the development of photo-switched functional device. <i>Electrochemistry Communications</i> , 2005, 7, 81-86.	4.7	17
355	Direct electrochemistry of cytochrome c on a multi-walled carbon nanotubes modified electrode and its electrocatalytic activity for the reduction of H ₂ O ₂ . <i>Electrochemistry Communications</i> , 2005, 7, 256-260.	4.7	210
356	Electrochemistry of fullerene peapod modified electrodes. <i>Electrochemistry Communications</i> , 2005, 7, 1148-1152.	4.7	13
357	Nanostructuring electrodes with carbon nanotubes: A review on electrochemistry and applications for sensing. <i>Electrochimica Acta</i> , 2005, 50, 3049-3060.	5.2	1,003
358	Applications of Carbon Nanotubes for Cancer Research. <i>Nanobiotechnology</i> , 2005, 1, 171-182.	1.2	32
359	Single-Wall Carbon Nanotubes with Adsorbed Antibodies Detect Live Breast Cancer Cells. <i>Nanobiotechnology</i> , 2005, 1, 353-360.	1.2	16
360	Adsorption of Methylene Blue Dye onto Carbon Nanotubes: A Route to an Electrochemically Functional Nanostructure and Its Layer-by-Layer Assembled Nanocomposite. <i>Chemistry of Materials</i> , 2005, 17, 3457-3463.	6.7	340
361	Functionalization of Single-Walled Carbon Nanotubes with Well-Defined Polystyrene by "Click" Coupling. <i>Journal of the American Chemical Society</i> , 2005, 127, 14518-14524.	13.7	426
362	Chemistry and Properties of Nanocrystals of Different Shapes. <i>Chemical Reviews</i> , 2005, 105, 1025-1102.	47.7	6,821
363	Fabrication and properties of silver-matrix composites reinforced by carbon nanotubes. <i>Materials Characterization</i> , 2005, 55, 211-218.	4.4	138
364	Effect of surface temperature on the concentration of C ₆₀ /C ₇₀ molecules in dc arc discharge fullerene generator. <i>Materials Chemistry and Physics</i> , 2005, 94, 52-57.	4.0	4
365	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. <i>Materials Letters</i> , 2005, 59, 1585-1588.	2.6	6
366	Strengthening in carbon nanotube/aluminium (CNT/Al) composites. <i>Scripta Materialia</i> , 2005, 53, 1159-1163.	5.2	713
367	Collagen-carbon nanotube composite materials as scaffolds in tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 74A, 489-496.	4.0	336
368	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
369	Determination of Phenolic Compounds Based on the Tyrosinase-Single Walled Carbon Nanotubes Sensor. <i>Electroanalysis</i> , 2005, 17, 85-88.	2.9	55

#	ARTICLE	IF	CITATIONS
370	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
371	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
372	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
373	Single-Walled Carbon Nanotube Dispersions in Poly(ethylene oxide). <i>Advanced Functional Materials</i> , 2005, 15, 1832-1838.	14.9	173
374	?-Fe ₂ O ₃ Nanotubes in Gas Sensor and Lithium-Ion Battery Applications. <i>Advanced Materials</i> , 2005, 17, 582-586.	21.0	1,564
375	Novel Silica Tube/Polyimide Composite Films with Variable Low Dielectric Constant. <i>Advanced Materials</i> , 2005, 17, 1056-1059.	21.0	115
376	Uniform Carbon and Carbon/Cobalt Nanostructures by Solid-State Thermolysis of Polyphenylene Dendrimer/Cobalt Complexes. <i>Advanced Materials</i> , 2005, 17, 2957-2960.	21.0	52
377	Nanotubes and Nanowires. , 2005, , 208-284.		33
378	Synthetic Approaches for Carbon Nanotubes. , 2005, , 33-55.		1
379	Synthesis and Properties of Syndiotactic Poly(propylene)/Carbon Nanofiber and Nanotube Composites Prepared by in situ Polymerization with Metallocene/MAO Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2005, 206, 1472-1478.	2.2	68
380	Immuno-Carbon Nanotubes and Recognition of Pathogens. <i>ChemBioChem</i> , 2005, 6, 640-643.	2.6	74
381	Electrochemical Antitumor Drug Sensitivity Test for Leukemia K562 Cells at a Carbon-Nanotube-Modified Electrode. <i>Chemistry - A European Journal</i> , 2005, 11, 1467-1472.	3.3	96
382	Preparation and Characterization of PS/Multi-Walled Carbon Nanotube Nanocomposites. <i>Polymer Bulletin</i> , 2005, 53, 393-400.	3.3	32
383	A novel amperometric sensor and chromatographic detector for determination of parathion. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 1049-1055.	3.7	25
384	Assembly of layer-by-layer films of heme proteins and single-walled carbon nanotubes: electrochemistry and electrocatalysis. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 384, 414-422.	3.7	66
385	Mass production of high-quality multi-walled carbon nanotube bundles on a Ni/Mo/MgO catalyst. <i>Carbon</i> , 2005, 43, 295-301.	10.3	159
386	High yield synthesis of multi-walled carbon nanotubes by catalytic decomposition of ethane over iron supported on alumina catalyst. <i>Catalysis Today</i> , 2005, 102-103, 23-28.	4.4	79
387	A novel method for synthesis of silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2005, 289, 125-131.	9.4	457

#	ARTICLE	IF	CITATIONS
388	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
389	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
390	Electrochemical Behavior of a Gold Electrode Modified with SWNTs/DDAB Films and Its Electrocatalytic Activity Towards Ascorbic Acid. Russian Journal of Electrochemistry, 2005, 41, 1061-1065.	0.9	2
391	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
392	Embedded Carbon-Nanotube-Stiffened Polymer Surfaces. Small, 2005, 1, 317-320.	10.0	23
393	Single-Walled Carbon Nanotubes Under the Influence of Dynamic Coordination and Supramolecular Chemistry. Small, 2005, 1, 452-461.	10.0	89
394	Direct Observation of the Growth Process of MgO Nanoflowers by a Simple Chemical Route. Small, 2005, 1, 422-428.	10.0	170
395	Preparation and Characterization of Aligned Carbon Nanotube-Ruthenium Oxide Nanocomposites for Supercapacitors. Small, 2005, 1, 560-565.	10.0	222
396	Solid-State Pyrolyses of Metal Phthalocyanines: A Simple Approach towards Nitrogen-Doped CNTs and Metal/Carbon Nanocables. Small, 2005, 1, 798-801.	10.0	84
397	Direct Electrochemistry of Redox Proteins and Enzymes Promoted by Carbon Nanotubes. Sensors, 2005, 5, 220-234.	3.8	71
398	Novel Bulk Carbon Nanotube Materials for Implant by Spark Plasma Sintering. Dental Materials Journal, 2005, 24, 478-486.	1.8	20
399	Smart Nanotubes for Biotechnology. Current Pharmaceutical Biotechnology, 2005, 6, 35-47.	1.6	63
400	Physical and mechanical characterization of nanocomposites with carbon nanotubes functionalized with the matrix polymer. Composite Interfaces, 2005, 12, 757-768.	2.3	17
401	Light Element Polycrystalline Structures Incorporating Micron to Nanosize Constituents. , 2005, , 105-145.		0
402	Morphology observation of carbon deposition by CH ₄ decomposition over Ni-based catalysts. Nanotechnology, 2005, 16, 129-132.	2.6	8
403	Electrical and field-emission properties of chemically anchored single-walled carbon nanotube patterns. Applied Physics Letters, 2005, 87, 013114.	3.3	38
404	Calculations on cyclopyranoses as co-solvents of single-wall carbon nanotubes. Molecular Simulation, 2005, 31, 107-114.	2.0	17
405	Catalytic production of carbon nanotubes over first row transition metal oxides supported on montmorillonite. Journal of Physics: Conference Series, 2005, 10, 178-181.	0.4	18

#	ARTICLE	IF	CITATIONS
406	Formation of carbon nanotubes on iron/cobalt-modified zeolites: Effect of zeolite framework/pore structure and method of modification. <i>Studies in Surface Science and Catalysis</i> , 2005, , 391-398.	1.5	19
408	Structural and morphological variations of encapsulated metal oxides in single walled carbon nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2005, 901, 1.	0.1	0
409	The Interface Effect on the Effective Electrical Conductivity of Particle Filled Composites. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2005, 6, .	1.0	1
410	Patterning of Single-Walled Carbon Nanotubes Using Wet Chemical Self-Assembling and Photolithographic Technique. <i>Materials Research Society Symposia Proceedings</i> , 2005, 901, 1.	0.1	0
411	Feature Article: Versatile Carbon Nanotubes: Synthesis, Purification and Their Applications. <i>Polymer News</i> , 2005, 30, 6-13.	0.1	1
412	Preparation and Properties of Polymer-grafted Carbon Nanotubes and Nanofibers. <i>Polymer Journal</i> , 2005, 37, 637-655.	2.7	118
413	Structure Analyses of Dodecylated Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2005, 127, 13941-13948.	13.7	67
414	Patterning of Single-Wall Carbon Nanotubes via a Combined Technique (Chemical Anchoring and) Tj ETQq1 1 0.784314 rgBT/Overlook	2.6	34
415	Synthesis and Characterization of Thickness-Aligned Carbon Nanotube~Polymer Composite Films. <i>Chemistry of Materials</i> , 2005, 17, 974-983.	6.7	151
416	Properties of Polyaniline/Carbon Nanotube Multilayer Films in Neutral Solution and Their Application for Stable Low-Potential Detection of Reduced \hat{I}^2 -Nicotinamide Adenine Dinucleotide. <i>Langmuir</i> , 2005, 21, 5596-5599.	3.5	130
417	Protein immunosensor using single-wall carbon nanotube forests with electrochemical detection of enzyme labels. <i>Molecular BioSystems</i> , 2005, 1, 70.	2.9	108
418	Small molecules as cross-linkers: fabrication of carbon nanotubes/thionine self-assembled multilayers on amino functionalized surfaces. <i>Chemical Communications</i> , 2005, , 5560.	4.1	34
419	Fabrication and characterization of magnetic carbon nanotube composites. <i>Journal of Materials Chemistry</i> , 2005, 15, 4497.	6.7	81
420	Biomedical applications of functionalised carbon nanotubes. <i>Chemical Communications</i> , 2005, , 571.	4.1	953
421	Structural characterization of carbon nanosheets via x-ray scattering. <i>Journal of Applied Physics</i> , 2005, 97, 114317.	2.5	39
422	Molecular Characterization of the Cytotoxic Mechanism of Multiwall Carbon Nanotubes and Nano-Onions on Human Skin Fibroblast. <i>Nano Letters</i> , 2005, 5, 2448-2464.	9.1	499
423	Aligned Carbon Nanotube Stacks by Water-Assisted Selective Etching. <i>Nano Letters</i> , 2005, 5, 2641-2645.	9.1	120
424	Supported coordination polymerization: a unique way to potent polyolefin carbon nanotube nanocomposites. <i>Chemical Communications</i> , 2005, , 781.	4.1	106

#	ARTICLE	IF	CITATIONS
425	Nanomechanical Properties of Silica-Coated Multiwall Carbon NanotubesPoly(methyl methacrylate) Composites. Langmuir, 2005, 21, 3146-3152.	3.5	101
426	Electrochemical sensors based on multi-walled carbon nanotube-Nafion nanocomposite film for determination of heavy metals and hydrogen peroxide. , 0, , .		0
427	Chapter 7 New materials for biosensors, biochips and molecular bioelectronics. Comprehensive Analytical Chemistry, 2005, , 285-327.	1.3	16
428	Nanotubes Fabricated from Ni ²⁺ Naphthalocyanine by a Template Method. Journal of the American Chemical Society, 2005, 127, 12792-12793.	13.7	81
429	Square Wave Voltammetry Determination of Brucine at Multiwall Carbon Nanotube α -Modified Glassy Carbon Electrodes. Analytical Letters, 2005, 38, 657-671.	1.8	66
430	Self-assembly of ZnO nanoparticles to electrostatic coordination sites of functionalized carbon nanotubes. Nanotechnology, 2005, 16, 1130-1136.	2.6	37
431	Molecular Information Technology. Critical Reviews in Solid State and Materials Sciences, 2005, 30, 33-69.	12.3	49
432	β -1,3-Glucan polysaccharides as novel one-dimensional hosts for DNA/RNA, conjugated polymers and nanoparticles. Chemical Communications, 2005, , 4383.	4.1	116
433	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. Analytical Chemistry, 2005, 77, 6234-6242.	6.5	125
434	Chemical Sensing with LiMo ₃ Se ₃ Nanowire Films. Journal of the American Chemical Society, 2005, 127, 7666-7667.	13.7	41
435	Connecting Carbon Fibers by Means of Catalytically Grown Nanofilaments: α Formation of Carbon α -Carbon Composites. Chemistry of Materials, 2005, 17, 5119-5123.	6.7	39
436	Inclusion of Cut and As-Grown Single-Walled Carbon Nanotubes in the Helical Superstructure of Schizophyllan and Curdlan (β -1,3-Glucans). Journal of the American Chemical Society, 2005, 127, 5875-5884.	13.7	225
437	Electrochemical Behavior of Daunorubicin at DNA α -MWCNT Bioconjugates Modified Glassy Carbon Electrodes. Analytical Letters, 2005, 38, 2579-2595.	1.8	17
438	Template Synthesis of Nanotubes by Room-Temperature Coalescence of Metal Nanoparticles. Chemistry of Materials, 2005, 17, 3743-3748.	6.7	79
439	Surfactant-Resisted Assembly of Fe-Containing Nanoparticles for Site-Specific Growth of SWNTs on Si Surface. Journal of Physical Chemistry B, 2005, 109, 10946-10951.	2.6	13
440	Polymer-Assisted Dispersion of Single-Walled Carbon Nanotubes in Alcohols and Applicability toward Carbon Nanotube/Sol α -Gel Composite Formation. Langmuir, 2005, 21, 1055-1061.	3.5	81
441	Controlled Phospholipid Functionalization of Single-Walled Carbon Nanotubes. Biomacromolecules, 2005, 6, 2455-2457.	5.4	26
442	Carbon Nanotube Growth on a Swellable Clay Matrix. Chemistry of Materials, 2005, 17, 3468-3474.	6.7	53

#	ARTICLE	IF	CITATIONS
443	Growth of Conical Carbon Nanotubes by Chemical Reduction of MgCO ₃ . Journal of Physical Chemistry B, 2005, 109, 10557-10560.	2.6	22
444	Electrochemical polymerization, optical and electrical characterizations of polycarbazole on single wall carbon nanotubes. Synthetic Metals, 2005, 151, 202-207.	3.9	25
445	Fabrication and characterization of OLEDs using MEH-PPV and SWCNT nanocomposites. Synthetic Metals, 2005, 153, 205-208.	3.9	44
446	Hollow porous carbon nanospheres with large surface area and stability, assembled from oxidized fullerenes. Journal of Materials Chemistry, 2005, 15, 1049.	6.7	31
447	Aqueous Dispersions of Single-wall and Multiwall Carbon Nanotubes with Designed Amphiphilic Polycations. Journal of the American Chemical Society, 2005, 127, 3463-3472.	13.7	353
448	Electrochemical Functionalization of Single-Walled Carbon Nanotubes in Large Quantities at a Room-Temperature Ionic Liquid Supported Three-Dimensional Network Electrode. Langmuir, 2005, 21, 4797-4800.	3.5	149
449	Controlled Functionalization of Multiwalled Carbon Nanotubes with Various Molecular-Weight Poly(l-lactic acid). Journal of Physical Chemistry B, 2005, 109, 22237-22243.	2.6	157
450	Noncovalent and Nonspecific Molecular Interactions of Polymers with Multiwalled Carbon Nanotubes. Chemistry of Materials, 2005, 17, 3389-3397.	6.7	361
451	Cast Thin Film Biosensor Design Based on a Nafion Backbone, a Multiwalled Carbon Nanotube Conduit, and a Glucose Oxidase Function. Langmuir, 2005, 21, 3653-3658.	3.5	222
452	Controlled Growth of Pt-Containing SiO ₂ Nanotubes with High Aspect Ratios. Chemistry of Materials, 2005, 17, 5928-5934.	6.7	11
453	Functionalization of Single-Walled Carbon Nanotubes with Well-Defined Polymers by Radical Coupling. Macromolecules, 2005, 38, 1172-1179.	4.8	205
454	Effect of flexibility on hydrophobic behavior of nanotube water channels. Journal of Chemical Physics, 2005, 123, 194502.	3.0	71
455	A Review: Electrochemical DNA Biosensors for Sequence Recognition. Analytical Letters, 2005, 38, 2597-2623.	1.8	56
456	Polyurea-Functionalized Multiwalled Carbon Nanotubes: Synthesis, Morphology, and Raman Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 11925-11932.	2.6	227
457	Functionalization of Carbon Nanotubes with Derivatized Polyimide. Macromolecules, 2005, 38, 7670-7675.	4.8	85
458	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
459	Comparing Damping Properties of Singlewalled and Multiwalled Carbon Nanotube Polymer Composites. , 2005, , .		2
460	Bioelectrochemically Functional Nanohybrids through Co-Assembling of Proteins and Surfactants onto Carbon Nanotubes: Facilitated Electron Transfer of Assembled Proteins with Enhanced Faradic Response. Langmuir, 2005, 21, 6560-6566.	3.5	115

#	ARTICLE	IF	CITATIONS
461	Microwave digestion and acidic treatment procedures for the purification of multi-walled carbon nanotubes. <i>Diamond and Related Materials</i> , 2005, 14, 798-803.	3.9	40
462	Theoretical Study of Addition Reactions of Heavy Carbenes to Carbon and Boron Nitride Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21647-21657.	2.6	27
463	Facile Route to Synthesize Multiwalled Carbon Nanotube/Zinc Sulfide Heterostructures: Optical and Electrical Properties. <i>Journal of Physical Chemistry B</i> , 2005, 109, 12772-12776.	2.6	81
464	Electrical Properties of Soluble Carbon Nanotube/Polymer Composite Films. <i>Chemistry of Materials</i> , 2005, 17, 130-135.	6.7	106
465	Tris(2,2'-bipyridyl)ruthenium(ii) chemiluminescence. <i>Analyst</i> , The, 2006, 131, 616-639.	3.5	259
466	Blood Compatible Carbon Nanotubes with Nano-based Neoproteoglycans. <i>Langmuir</i> , 2006, 22, 3461-3463.	3.5	104
468	The advantage of using carbon nanotubes compared with edge plane pyrolytic graphite as an electrode material for oxidase-based biosensors. <i>Analyst</i> , The, 2006, 131, 1292.	3.5	29
469	Single-Walled Carbon Nanotubes Used as Stationary Phase in GC. <i>Analytical Chemistry</i> , 2006, 78, 6384-6390.	6.5	87
470	Porous hollow carbon nanotube composite cages. <i>Chemical Communications</i> , 2006, , 1206.	4.1	27
471	Bond-Curvature Effect of Sidewall [2+1] Cycloadditions of Single-Walled Carbon Nanotubes: A New Criterion To the Adduct Structures. <i>Chemistry of Materials</i> , 2006, 18, 3579-3584.	6.7	43
472	Mechanisms for catalytic carbon nanofiber growth studied by ab initio density functional theory calculations. <i>Physical Review B</i> , 2006, 73, .	3.2	248
473	Alloy hydride catalyst route for the synthesis of single-walled carbon nanotubes, multi-walled carbon nanotubes and magnetic metal-filled multi-walled carbon nanotubes. <i>Nanotechnology</i> , 2006, 17, 5299-5305.	2.6	57
474	Enhanced Solid-State Metathesis Routes to Carbon Nanotubes. <i>Inorganic Chemistry</i> , 2006, 45, 4243-4246.	4.0	13
475	Templated Assembly of Gold Nanoparticles into Microscale Tubules and Their Application in Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14179-14185.	2.6	33
476	Miniature Arcs for Synthesis of Carbon Nanotubes in Microgravity. , 2006, , .		0
477	Elastic modulus of amorphous SiO ₂ nanowires. <i>Applied Physics Letters</i> , 2006, 88, 043108.	3.3	134
478	Carbon nanotube-functionalized silicon surfaces with efficient redox communication. <i>Chemical Communications</i> , 2006, , 4536.	4.1	22
479	Water soluble multi-walled carbon nanotubes prepared via nitroxide-mediated radical polymerization. <i>Journal of Materials Chemistry</i> , 2006, 16, 4619.	6.7	48

#	ARTICLE	IF	CITATIONS
480	Competing through-space and through-bond, intramolecular triplet-energy transfer in a supposedly rigid ruthenium(II) tris(2,2'-bipyridine)-fullerene molecular dyad. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 4112-4118.	2.8	21
481	Bone Cell Proliferation on Carbon Nanotubes. <i>Nano Letters</i> , 2006, 6, 562-567.	9.1	620
482	Laser Ablation Synthesis of Single-Wall Carbon Nanotubes: The SLS Model. , 2006, , 611-632.		1
483	Controlling Carbon Surface Chemistry by Alloying: A Carbon Tolerant Reforming Catalyst. <i>Journal of the American Chemical Society</i> , 2006, 128, 11354-11355.	13.7	172
484	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
485	Nanostructured Pt Functionized Multiwalled Carbon Nanotube Based Hydrogen Sensor. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11291-11298.	2.6	183
486	Single-Step in Situ Preparation of Polymer-Grafted Multi-Walled Carbon Nanotube Composites under ^{60}Co γ -Ray Irradiation. <i>Chemistry of Materials</i> , 2006, 18, 2929-2934.	6.7	82
487	Monitoring Carbon Nanotube Growth by Formation of Nanotube Stacks and Investigation of the Diffusion-Controlled Kinetics. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5445-5449.	2.6	92
488	Fabrication, Characterization, and Applications of Template-Synthesized Nanotubes and Nanotube Membranes. , 2006, , 221-250.		1
489	Stability and Electronic Properties of Nitrogen Nanoneedles and Nanotubes. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 1965-1971.	5.4	13
490	Long Germanium Nanowires Prepared by Electrochemical Etching. <i>Nano Letters</i> , 2006, 6, 1578-1580.	9.1	42
491	Electrospinning carbon nanotube polymer composite nanofibers. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 177-209.	2.4	134
492	Well-Aligned Open-Ended Carbon Nanotube Architectures: An Approach for Device Assembly. <i>Nano Letters</i> , 2006, 6, 243-247.	9.1	177
493	In Situ Polymerization Initiated by Single-Walled Carbon Nanotube Salts. <i>Chemistry of Materials</i> , 2006, 18, 4764-4767.	6.7	62
494	The electrolyte switchable solubility of multi-walled carbon nanotube/ionic liquid (MWCNT/IL) hybrids. <i>Chemical Communications</i> , 2006, , 2356.	4.1	94
495	Necklace-like Hollow Carbon Nanospheres from the Pentagon-Including Reactants: Synthesis and Electrochemical Properties. <i>Inorganic Chemistry</i> , 2006, 45, 8543-8550.	4.0	66
496	Electrochemical Properties of Carbon Nanotube (CNT) Film Electrodes Prepared by Controllable Adsorption of CNTs onto an Alkanethiol Monolayer Self-Assembled on Gold Electrodes. <i>Analytical Chemistry</i> , 2006, 78, 2651-2657.	6.5	101
497	Synthesis of Copper-Core/Carbon-Sheath Nanocables by a Surfactant-Assisted Hydrothermal Reduction/Carbonization Process. <i>Journal of Physical Chemistry B</i> , 2006, 110, 11711-11716.	2.6	68

#	ARTICLE	IF	CITATIONS
498	Facile and large-scale synthesis and characterization of carbon nanotube/silver nanocrystal nanohybrids. <i>Nanotechnology</i> , 2006, 17, 2882-2890.	2.6	65
499	Ferrocene Peapod Modified Electrodes:Â Preparation, Characterization, and Mediation of H ₂ O ₂ . <i>Analytical Chemistry</i> , 2006, 78, 6050-6057.	6.5	76
500	Self-Assembled, Discrete Organic Tubular Crystals with Controllable Sizes by Simple Sublimation. <i>Crystal Growth and Design</i> , 2006, 6, 1559-1562.	3.0	9
501	The Electronic Structures and Properties of Open-Ended and Capped Carbon Nanoneedles. <i>Journal of Chemical Information and Modeling</i> , 2006, 46, 801-807.	5.4	16
502	Ptâ€Pb alloy nanoparticle/carbon nanotube nanocomposite: a strong electrocatalyst for glucose oxidation. <i>Nanotechnology</i> , 2006, 17, 2334-2339.	2.6	179
503	Crystalline Graphite from an Organometallic Solution-Phase Reaction. <i>Journal of the American Chemical Society</i> , 2006, 128, 15590-15591.	13.7	22
504	Protein-Assisted Solubilization of Single-Walled Carbon Nanotubes. <i>Langmuir</i> , 2006, 22, 1392-1395.	3.5	290
505	Electrocatalytic Activity of Bambooâ€Structured Carbon Nanotubes Paste Electrode Toward Hydrogen Peroxide. <i>Analytical Letters</i> , 2006, 39, 903-911.	1.8	26
506	Electrochemical Nanoneedle Biosensor Based on Multiwall Carbon Nanotube. <i>Analytical Chemistry</i> , 2006, 78, 617-620.	6.5	105
507	Electrowetting of Aligned Carbon Nanotube Films. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15945-15950.	2.6	81
508	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
509	Storage of hydrogen and lithium in inorganic nanotubes and nanowires. <i>Journal of Materials Research</i> , 2006, 21, 2744-2757.	2.6	71
510	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
511	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
512	Catalytic growth of nanowires: Vaporâ€liquidâ€solid, vaporâ€solidâ€solid, solutionâ€liquidâ€solid and solidâ€liquidâ€solid growth. <i>Current Opinion in Solid State and Materials Science</i> , 2006, 10, 182-191.	11.5	259
513	Morphology and Crystallization Behavior of HDPE/CNT Nanocomposite. <i>Journal of Macromolecular Science - Physics</i> , 2006, 45, 231-245.	1.0	157
514	Microwave absorption by polyanilineâ€carbon nanotube composites. <i>Synthetic Metals</i> , 2006, 156, 497-505.	3.9	201
515	Electrical Resistivity Characterization and Modeling of Carbon Nanofiber-Polymer Suspension. , 2006, , 463.		0

#	ARTICLE	IF	CITATIONS
516	Light-induced Electron Transfer on the Single Wall Carbon Nanotube Surrounded in Anthracene Dendron in Aqueous Solution. Chemistry Letters, 2006, 35, 1188-1189.	1.3	36
517	Multiwall carbon nanotubes-based composites – mechanical characterization using the nanoindentation technique. International Journal of Materials Research, 2006, 97, 1235-1238.	0.3	5
518	Formation of Trititanate Nanotubes by Non-Hydrothermal Methods: Optical Properties and Surface-Exciton Dynamics Studied by Photoluminescence Spectroscopy. Journal of the Chinese Chemical Society, 2006, 53, 123-130.	1.4	6
519	Title is missing!. Materia Japan, 2006, 45, 540-546.	0.1	1
520	Conversion of a Bi Nanowire Array to an Array of BiO ₂ Core-Shell Nanowires and Bi ₂ O ₃ Nanotubes. Small, 2006, 2, 548-553.	10.0	214
521	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
522	In Vitro Transcription and Protein Translation from Carbon Nanotube-DNA Assemblies. Small, 2006, 2, 718-722.	10.0	20
523	Polymer layered silicate/carbon nanotube nanocomposites: The catalyzed polymerization approach. Polymer Engineering and Science, 2006, 46, 1022-1030.	3.1	32
524	Isothermal and nonisothermal crystallization kinetics of poly(ϵ -caprolactone)/multi-walled carbon nanotube composites. Polymer Engineering and Science, 2006, 46, 1309-1317.	3.1	57
525	Synthesis of metal (Fe or Pd)/alloy (Fe-Pd)-nanoparticles-embedded multiwall carbon nanotube/sulfonated polyaniline composites by γ irradiation. Journal of Polymer Science Part A, 2006, 44, 3355-3364.	2.3	223
526	Synthesis and self-assembly of polystyrene-grafted multiwalled carbon nanotubes with a hairy-rod nanostructure. Journal of Polymer Science Part A, 2006, 44, 3869-3881.	2.3	71
527	Surface modification of multiwalled carbon nanotubes via nitroxide-mediated radical polymerization. Journal of Polymer Science Part A, 2006, 44, 4656-4667.	2.3	90
528	Crystallization behavior of poly(ϵ -caprolactone)/multiwalled carbon nanotube composites. Journal of Polymer Science, Part B: Polymer Physics, 2006, 44, 598-606.	2.1	109
529	Solubilizing single-walled carbon nanotubes with pyrene-functionalized block copolymers. Journal of Polymer Science Part A, 2006, 44, 1941-1951.	2.3	126
530	Growth of calcium phosphate mineral on carbon nanotube buckypapers. Physica Status Solidi (B): Basic Research, 2006, 243, 3230-3233.	1.5	16
531	Quantitative determination of oxidative defects on single walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3217-3220.	1.5	47
532	Electrocatalytic Activities of 1,2-Naphthoquinone Modified Carbon Nanotube to the Electrochemical Oxidation of β -Nicotinamide Adenine Dinucleotide. Chinese Journal of Analytical Chemistry, 2006, 34, 1688-1693.	1.7	3
533	A sensitive amperometric bromate sensor based on multi-walled carbon nanotubes/phosphomolybdic acid composite film. Electrochimica Acta, 2006, 51, 4255-4261.	5.2	69

#	ARTICLE	IF	CITATIONS
534	Nanocomposites of polystyrene-b-polyisoprene copolymer with layered silicates and carbon nanotubes. <i>European Polymer Journal</i> , 2006, 42, 2098-2107.	5.4	35
535	Surfactant functionalization of carbon nanotubes (CNTs) for layer-by-layer assembling of CNT multi-layer films and fabrication of gold nanoparticle/CNT nanohybrid. <i>Carbon</i> , 2006, 44, 276-283.	10.3	222
536	Low percolation threshold in single-walled carbon nanotube/high density polyethylene composites prepared by melt processing technique. <i>Carbon</i> , 2006, 44, 778-785.	10.3	275
537	Microstructural and electrochemical characterization of RuO ₂ /CNT composites synthesized in supercritical diethyl amine. <i>Carbon</i> , 2006, 44, 888-893.	10.3	56
538	High-yield synthesis of carbon nanotubes using a water-soluble catalyst support in catalytic chemical vapor deposition. <i>Carbon</i> , 2006, 44, 1343-1345.	10.3	66
539	Carbon nanotube supported ruthenium catalysts for the treatment of high strength wastewater with aniline using wet air oxidation. <i>Carbon</i> , 2006, 44, 2384-2391.	10.3	105
540	Synthesis of a carbon nanotube monolith with controlled macroscopic shape. <i>Carbon</i> , 2006, 44, 2587-2589.	10.3	39
541	Atomic-scale studies of metallic nanocluster catalysts by in situ high-resolution transmission electron microscopy. <i>Catalysis Today</i> , 2006, 111, 68-73.	4.4	61
542	Tris(2,2'-bipyridyl)ruthenium(II) electrogenerated chemiluminescence sensor based on carbon nanotube dispersed in sol-gel-derived titania-Nafion composite films. <i>Analytica Chimica Acta</i> , 2006, 565, 48-55.	5.4	80
543	Enhancement of a conducting polymer-based biosensor using carbon nanotube-doped polyaniline. <i>Analytica Chimica Acta</i> , 2006, 575, 39-44.	5.4	129
544	Direct electron transfer of hemoglobin on DDAB/SWNTs film modified Au electrode and its interaction with Taxol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 286, 33-38.	4.7	20
545	Electrogenerated chemiluminescence sensing platform using Ru(bpy) ₃ ²⁺ doped silica nanoparticles and carbon nanotubes. <i>Electrochemistry Communications</i> , 2006, 8, 1687-1691.	4.7	55
546	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
547	Polyazomethine/carbon nanotube composites. <i>Materials Science and Engineering C</i> , 2006, 26, 1198-1201.	7.3	15
548	Thermogravimetric studies on Polyamide-6,6 modified by electron beam irradiation and by nanofillers. <i>Polymer Degradation and Stability</i> , 2006, 91, 1311-1318.	5.8	54
549	Carbon nanotubes induced crystallization of poly(ethylene terephthalate). <i>Polymer</i> , 2006, 47, 3976-3980.	3.8	136
550	A new approach to functionalize multi-walled carbon nanotubes by the use of functional polymers. <i>Polymer</i> , 2006, 47, 4300-4309.	3.8	126
551	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

#	ARTICLE	IF	CITATIONS
552	Integration of enzyme immobilized single-walled carbon nanotubes mass into the microfluidic platform and its application for the glucose-detection. <i>Sensors and Actuators A: Physical</i> , 2006, 128, 7-13.	4.1	23
553	Direct electron transfer of hemoglobin on PSS/SWNTs film modified Au electrode and its interaction with ribavirin. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 40-46.	7.8	20
554	Carbon nanotube-epoxy composites for electrochemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 617-622.	7.8	179
555	Stability of the aqueous suspensions of nanotubes in the presence of nonionic surfactant. <i>Journal of Colloid and Interface Science</i> , 2006, 299, 740-746.	9.4	96
556	Growth of novel nanostructured copper oxide (CuO) films on copper foil. <i>Journal of Crystal Growth</i> , 2006, 291, 479-484.	1.5	79
557	Highly sensitive electrogenerated chemiluminescence produced at in Eastman-AQ55D-carbon nanotube composite film electrode. <i>Journal of Electroanalytical Chemistry</i> , 2006, 592, 63-67.	3.8	27
558	High efficiency microwave digestion purification of multi-walled carbon nanotubes synthesized by thermal chemical vapor deposition. <i>Thin Solid Films</i> , 2006, 498, 202-205.	1.8	36
559	Hydrogen adsorption in single-walled and multi-walled carbon nanotubes grown in a hot-wire CVD (Cat-CVD) reactor. <i>Thin Solid Films</i> , 2006, 501, 224-226.	1.8	7
560	Structural Aspects of Fullerene Chemistry A Journey through Fullerene Chirality. <i>Chemical Reviews</i> , 2006, 106, 5049-5135.	47.7	472
561	Quantum Dot Modified Multiwall Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12901-12904.	2.6	130
562	A parametric study on the synthesis of carbon nanotubes through arc-discharge in water. <i>Nanotechnology</i> , 2006, 17, 1722-1730.	2.6	29
563	Covalent Modification of Multiwalled Carbon Nanotubes with Imidazolium-Based Ionic Liquids: Effect of Anions on Solubility. <i>Chemistry of Materials</i> , 2006, 18, 1546-1551.	6.7	251
564	Chemistry of Carbon Nanotubes. <i>Chemical Reviews</i> , 2006, 106, 1105-1136.	47.7	3,905
565	Electronic Soft Materials Based on Graphitic Nanostructures. <i>Polymer Journal</i> , 2006, 38, 743-756.	2.7	18
566	Controlling Supramolecular Topology – The Art of Building Supermolecules. , 2006, , 45-74.		0
567	Effects of confinement on freezing and melting. <i>Journal of Physics Condensed Matter</i> , 2006, 18, R15-R68.	1.8	614
568	Carbon nanomaterials with controlled macroscopic shapes as new catalytic materials. <i>Topics in Catalysis</i> , 2006, 40, 49-63.	2.8	55
569	Quantitative Non-Covalent Functionalization of Carbon Nanotubes. <i>Journal of Cluster Science</i> , 2006, 17, 599-608.	3.3	21

#	ARTICLE	IF	CITATIONS
570	Production of single and multi-walled carbon nanotubes using natural gas as a precursor compound. <i>Journal of Materials Science</i> , 2006, 41, 7288-7295.	3.7	31
571	Dispersion of modified carbon nanotubes in 1-butyl-3-methyl imidazolium tetrafluoroborate. <i>Journal of Materials Science</i> , 2006, 41, 3123-3126.	3.7	6
572	Catalytic synthesis of carbon nanotubes over ordered mesoporous matrices. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006, 86, 109-114.	3.6	7
573	Electrochemical Determination of 10-Hydroxycamptothecin Using a Multi-Wall Carbon Nanotube-Modified Electrode. <i>Mikrochimica Acta</i> , 2006, 152, 255-260.	5.0	15
574	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
575	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
576	Determination of metformin based on amplification of its voltammetric response by a combination of molecular wire and carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 2081-2086.	3.7	32
577	Electron-transfer properties of different carbon nanotube materials, and their use in glucose biosensors. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 387, 303-309.	3.7	72
578	Polymeric nanocomposite films from functionalized vs suspended single-walled carbon nanotubes. <i>Polymer</i> , 2006, 47, 5323-5329.	3.8	30
579	β -Cyclodextrin incorporated carbon nanotube-modified electrode as an electrochemical sensor for rutin. <i>Sensors and Actuators B: Chemical</i> , 2006, 114, 94-100.	7.8	120
580	Evolution of structure and morphology during plasma-enhanced chemical vapor deposition of carbon nanosheets. <i>Thin Solid Films</i> , 2006, 494, 105-109.	1.8	31
581	Fabrication of poly(toluidine blue O)/carbon nanotube composite nanowires and its stable low-potential detection of NADH. <i>Journal of Electroanalytical Chemistry</i> , 2006, 595, 152-160.	3.8	107
582	Direct electrochemistry and electrocatalysis of hybrid film assembled by polyelectrolyte-surfactant polymer, carbon nanotubes and hemoglobin. <i>Journal of Electroanalytical Chemistry</i> , 2006, 597, 51-59.	3.8	47
583	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
584	Electrochemical properties of hydrogenase on glass carbon electrodes modified with carbon nanotubes. <i>Nanobiotechnology</i> , 2006, 2, 135-141.	1.2	1
585	Preparation of mesostructured barium sulfate and its application in methane activation. <i>Journal of Catalysis</i> , 2006, 239, 282-289.	6.2	9
586	Structural stability of carbon nanotubes using molecular dynamics and finite-difference time-domain methods. <i>IEEE Transactions on Magnetics</i> , 2006, 42, 891-894.	2.1	4
587	Carbon onion growth enhanced by nitrogen incorporation. <i>Scripta Materialia</i> , 2006, 54, 1739-1743.	5.2	15

#	ARTICLE	IF	CITATIONS
588	Bell-mouthed single-crystalline tubular ZnO prepared by a soft solution method. <i>Materials Chemistry and Physics</i> , 2006, 96, 51-54.	4.0	9
589	Formation and structure of single crystalline magnesium borate (Mg ₃ B ₂ O ₆) nanobelts. <i>Materials Chemistry and Physics</i> , 2006, 98, 195-197.	4.0	29
590	Study on purification and tip-opening of CNTs fabricated by CVD. <i>Materials Research Bulletin</i> , 2006, 41, 2204-2209.	5.2	40
591	Versatile Coordination Chemistry towards Multifunctional Carbon Nanotube Nanohybrids. <i>Chemistry - A European Journal</i> , 2006, 12, 2152-2161.	3.3	73
592	Supramolecular Hybrids of [60]Fullerene and Single-Wall Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2006, 12, 3975-3983.	3.3	82
593	Water-soluble carbon nanotube-enzyme conjugates as functional biocatalytic formulations. <i>Biotechnology and Bioengineering</i> , 2006, 95, 804-811.	3.3	154
594	Diameter-Tunable CdTe Nanotubes Templated by 1D Nanowires of Cadmium Thiolate Polymer. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6462-6466.	13.8	105
595	Preparation of Semiconductor/Polymer Coaxial Nanocables by a Facile Solution Process. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 207-212.	2.0	8
596	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
597	Direct Electrochemistry of Multi-Copper Oxidases at Carbon Nanotubes Noncovalently Functionalized with Cellulose Derivatives. <i>Electroanalysis</i> , 2006, 18, 587-594.	2.9	117
598	Fabrication of a Nanobiocomposite Film Containing Heme Proteins and Carbon Nanotubes on a Choline Modified Glassy Carbon Electrode: Direct Electrochemistry and Electrochemical Catalysis. <i>Electroanalysis</i> , 2006, 18, 2085-2091.	2.9	36
599	Carbon nanotube/poly(methyl methacrylate) composite electrode for capillary electrophoretic measurement of honokiol and magnolol in <i>Cortex Magnoliae Officinalis</i> . <i>Electrophoresis</i> , 2006, 27, 3233-3242.	2.4	42
600	Applications of nanomaterials in liquid chromatography: Opportunities for separation with high efficiency and selectivity. <i>Journal of Separation Science</i> , 2006, 29, 1872-1878.	2.5	79
601	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
602	Carbon Nanotubes as a Ligand in Cp ₂ ZrCl ₂ -Based Ethylene Polymerization. <i>Macromolecular Rapid Communications</i> , 2006, 27, 47-50.	3.9	45
603	Supramolecular Self-Assembly of Polymer-Functionalized Carbon Nanotubes on Surfaces. <i>Macromolecular Rapid Communications</i> , 2006, 27, 841-847.	3.9	19
605	Observation of High Buckling Stability in Carbon Nanotube Polymer Composites. <i>Advanced Materials</i> , 2006, 18, 452-456.	21.0	44
606	Carbon-Nanotube-Based Glucose/O ₂ Biofuel Cells. <i>Advanced Materials</i> , 2006, 18, 2639-2643.	21.0	244

#	ARTICLE	IF	CITATIONS
607	An Easy Way to Construct an Ordered Array of Nickel Nanotubes: The Triblock-Copolymer-Assisted Hard-Template Method. <i>Advanced Materials</i> , 2006, 18, 2161-2164.	21.0	111
608	The large-scale synthesis and characterization of carbon nanotubes filled with long continuous inorganic nanowires in supercritical CS ₂ . <i>Nanotechnology</i> , 2006, 17, 5702-5706.	2.6	6
609	Surface Modification of Inorganic Nanotubes by Atom Transfer Radical Polymerization. <i>ACS Symposium Series</i> , 2006, , 279-294.	0.5	1
610	Processing and Mechanical Properties Characterization of Hybrid Thermoset Polymer Composites with Micro-Fiber and Carbon Nano-Fiber Reinforcements. , 2006, , 141-189.		1
611	Electrochemical functionalization of vertically aligned carbon nanotube arrays with molybdenum oxides for the development of a surface-charge-controlled sensor. <i>Nanotechnology</i> , 2006, 17, 3994-4001.	2.6	22
612	Alcohol Biosensor Based on the Immobilization of Meldola Blue and Alcohol Dehydrogenase into a Carbon Nanotube Paste Electrode. <i>Analytical Letters</i> , 2006, 39, 1643-1655.	1.8	27
613	Single-walled carbon nanotubes synthesized by the pyrolysis of pyridine over catalysts. <i>Journal of Materials Research</i> , 2006, 21, 2835-2840.	2.6	3
614	LOW TEMPERATURE SYNTHESIS OF Mg(OH) ₂ NANOTUBES IN AQUEOUS SOLUTIONS OF BLOCK COPOLYMER P123. <i>Nano</i> , 2006, 01, 185-189.	1.0	6
615	Preparation of Biodegradable Nanocomposites by Incorporation of Functionalized Carbon Nanotubes. <i>Key Engineering Materials</i> , 2006, 326-328, 1785-1788.	0.4	6
616	Interactions Between Carbon Nanotubes and Bacteria. <i>Materials Research Society Symposia Proceedings</i> , 2006, 953, 8.	0.1	1
617	Chapter 8 Interfaces, Bifaces, and Nanotechnology. <i>Behavior Research Methods</i> , 2006, , 251-267.	4.0	2
618	Carbon Nanotube Thin Film Coating for Improved Thermal Management in Piezoceramic Sheet Actuators. <i>Journal of Intelligent Material Systems and Structures</i> , 2006, 17, 209-216.	2.5	9
619	Effect of alignment on adsorption characteristics of self-oriented multi-walled carbon nanotube arrays. <i>Nanotechnology</i> , 2006, 17, 5136-5141.	2.6	47
620	Interactions of Carbon Nanomaterials With Mammalian Cells. <i>Materials Research Society Symposia Proceedings</i> , 2006, 951, 8.	0.1	0
621	Tailoring of Carbon Nanotube Microstructure Using Poly(acrylic acid) and Poly(allylamine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 182 Td	0.1	1
622	In situelectrostatic assembly of CdS nanoparticles onto aligned multiwalled carbon nanotubes in aqueous solution. <i>Nanotechnology</i> , 2006, 17, 4212-4216.	2.6	30
623	Single-walled carbon nanotube-supported platinum nanoparticles as fuel cell electrocatalysts. <i>Journal of Materials Research</i> , 2006, 21, 2841-2846.	2.6	20
624	Reinforcement of silica with single-walled carbon nanotubes through covalent functionalization. <i>Journal of Materials Chemistry</i> , 2006, 16, 4592.	6.7	60

#	ARTICLE	IF	CITATIONS
625	Enhancement of photoelectrical properties in polymer nanocomposites containing modified single-walled carbon nanotubes by conducting dendrimer. Journal of Applied Physics, 2006, 99, 114305.	2.5	14
626	Free fall plasma-arc reactor for synthesis of carbon nanotubes in microgravity. Review of Scientific Instruments, 2006, 77, 074101.	1.3	4
627	Carbon nanotubes as nanoelectromechanical systems components. , 2006, , 361-488.		1
628	Separation of metallic and semiconducting single-walled carbon nanotubes. , 2006, , 255-295.		12
629	Nanopatterned Working Electrode with Carbon Nanotubes Improving Electrochemical Sensors. , 2006, , .		9
630	Carbon Nanotube Biosensors. , 2006, , 171-201.		12
631	Measurement of the dispersion stability of pristine and surface-modified multiwalled carbon nanotubes in various nonpolar and polar solvents. Measurement Science and Technology, 2007, 18, 3707-3712.	2.6	142
632	Catalyst Composition and Content Effects on the Synthesis of Single-Walled Carbon Nanotubes by Arc Discharge. Journal of Nanomaterials, 2007, 2007, 1-4.	2.7	3
633	Molecular dynamics methodology to investigate steady-state heterogeneous crystal growth. Journal of Chemical Physics, 2007, 126, 124703.	3.0	56
634	Disordered Functionalized Nanomaterials. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2007, 37, 327-331.	0.6	19
635	Nanoelectromechanical Systems " Experiments and Modeling. Nanoscience and Technology, 2007, , 135-196.	1.5	3
636	Chapter 3 Charge delocalization in (n, 0) model carbon nanotubes. Theoretical and Computational Chemistry, 2007, 17, 82-95.	0.4	1
637	Low Temperature Carbon Nanotube Film Transfer via Conductive Adhesives. , 2007, , .		7
638	Covalently attached multilayer self-assemblies of single-walled carbon nanotubols and diazoresins. Nanotechnology, 2007, 18, 365704.	2.6	17
639	Low temperature carbon nanotube film transfer via conductive polymer composites. Nanotechnology, 2007, 18, 125203.	2.6	43
640	In situ growth rate control of carbon nanotubes by optical imaging method. Applied Physics Letters, 2007, 91, 193102.	3.3	3
641	The carbon nanotube patent landscape in nanomedicine: an Expert opinion. Expert Opinion on Therapeutic Patents, 2007, 17, 1165-1174.	5.0	19
643	Ballistic resistance capacity of carbon nanotubes. Nanotechnology, 2007, 18, 475701.	2.6	78

#	ARTICLE	IF	CITATIONS
645	Carbon Nanotubes: Potential Benefits and Risks of Nanotechnology in Nuclear Medicine. Journal of Nuclear Medicine, 2007, 48, 1039-1042.	5.0	103
646	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
647	Preparation and Characterization of Poly(α -Caprolactone)-Grafted-Multiwalled Carbon Nanotubes. Key Engineering Materials, 2007, 334-335, 873-876.	0.4	0
648	Photoconductivity Study of Modified Single-Wall Carbon Nanotube/ Oxotitanium Phthalocyanine. Solid State Phenomena, 2007, 121-123, 631-636.	0.3	0
649	Electrochemical capacitance of MWCNT/polyaniline composite coatings grown in acidic MWCNT suspensions by microwave-assisted hydrothermal digestion. Nanotechnology, 2007, 18, 385603.	2.6	21
650	Carbon Nanotube Dispersion in Epoxy Nanocomposites with Clay. Materials Research Society Symposia Proceedings, 2007, 1057, 1.	0.1	1
654	Electrochemical Behavior of Levodopa at Multi-Wall Carbon Nanotubes-Quantum Dots Modified Glassy Carbon Electrodes. Analytical Sciences, 2007, 23, 1321-1324.	1.6	15
655	Preparation of $\text{Eu}(\text{OH})_3$ and Eu_2O_3 Nanorods through a Simple Method. Chemistry Letters, 2007, 36, 468-469.	1.3	12
656	Preparation, Characterization and Catalytic Performance of Carbon Nanotubes Promoted Ni@B Amorphous Alloy. Journal of the Chinese Chemical Society, 2007, 54, 1471-1476.	1.4	4
657	Effects of Neodymium on the Properties of Ni@B/CNTs Amorphous Alloy Catalyst. Journal of the Chinese Chemical Society, 2007, 54, 559-562.	1.4	4
658	Ethylene- α -Norbornene Copolymerization by Rare-Earth Metal Complexes and by Carbon Nanotube-Supported Metallocene Catalysis. Macromolecular Symposia, 2007, 260, 114-121.	0.7	13
659	Cyclic Voltammograms of Ferrocene on Multi-Walled Carbon Nanotubes (MWCNTs)-Modified Edge Plane Pyrolytic Graphite (EPPG) Electrode in Room Temperature Ionic Liquids (RTILs) of 1-Ethyl-3-Methylimidazolium Tetrafluoroborate (EMIBF_4). Journal of the Chinese Chemical Society, 2007, 54, 723-730.	1.4	4
660	Magnetic loading of carbon nanotube/nano- Fe_3O_4 composite for electrochemical sensing. Talanta, 2007, 71, 1096-1102.	5.5	211
661	Microwave plasma treated carbon nanotubes and their electrochemical biosensing application. Talanta, 2007, 72, 1336-1341.	5.5	29
662	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
663	Carbon nanotube and diamond as electrochemical detectors in microchip and conventional capillary electrophoresis. Talanta, 2007, 74, 326-332.	5.5	47
664	Comparative study of multi walled carbon nanotubes-based electrodes in micellar media and their application to micellar electrokinetic capillary chromatography. Talanta, 2007, 74, 376-386.	5.5	27
665	Carbon nanotubes for electrochemical biosensing. Talanta, 2007, 74, 291-307.	5.5	513

#	ARTICLE	IF	CITATIONS
666	Rapid amperometric detection of coliforms based on MWNTs/Nafion composite film modified glass carbon electrode. <i>Talanta</i> , 2007, 75, 167-71.	5.5	21
667	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
668	Tuning of Redox Properties of Iron and Iron Oxides via Encapsulation within Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 7421-7426.	13.7	316
669	Carbon nanotube/polysulfone composite screen-printed electrochemical enzyme biosensors. <i>Analyst</i> , 2007, 132, 142-147.	3.5	78
670	Interfacial Bioelectrochemistry: Fabrication, Properties and Applications of Functional Nanostructured Biointerfaces. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2351-2367.	3.1	155
671	Soft materials with graphitic nanostructures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2007, 365, 1539-1552.	3.4	29
672	Dispersion of carbon nanotubes and polymer nanocomposite fabrication using trifluoroacetic acid as a co-solvent. <i>Nanotechnology</i> , 2007, 18, 415606.	2.6	62
673	Buckling Response of Carbon Nanotube Polycarbonate Composites Columns. , 2007, , .		0
674	Improved Biological Characteristics of Poly(L-Lactic Acid) Electrospun Membrane by Incorporation of Multiwalled Carbon Nanotubes/Hydroxyapatite Nanoparticles. <i>Biomacromolecules</i> , 2007, 8, 3729-3735.	5.4	150
675	Effects of MWNT nanofillers on structures and properties of PVA electrospun nanofibres. <i>Nanotechnology</i> , 2007, 18, 225605.	2.6	69
676	Highly Twisted Helical Polyacetylene with Morphology Free From the Bundle of Fibrils Synthesized in Chiral Nematic Liquid Crystal Reaction Field. <i>Journal of the American Chemical Society</i> , 2007, 129, 8519-8527.	13.7	111
677	Functionalization of Multi-Walled Carbon Nanotubes with Poly(2-ethyl-2-oxazoline). <i>Macromolecular Symposia</i> , 2007, 249-250, 270-275.	0.7	14
678	Shape- and Size-controlled Growth of ZnS Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8469-8474.	3.1	75
679	Silicon-Based Low-Dimensional Nanomaterials and Nanodevices. <i>Chemical Reviews</i> , 2007, 107, 1454-1532.	47.7	219
680	Voltammetric Determination of Hydroquinone using β -Cyclodextrin/Poly(N-Acetylaniline)/Carbon Nanotube Composite Modified Glassy Carbon Electrode. <i>Analytical Letters</i> , 2007, 40, 2141-2150.	1.8	26
681	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. <i>Langmuir</i> , 2007, 23, 6453-6458.	3.5	267
682	Direct attachment of well-aligned single-walled carbon nanotube architectures to silicon (100) surfaces: a simple approach for device assembly. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 510-520.	2.8	78
683	In-Situ Synthesis of Soluble Poly(3-hexylthiophene)/Multiwalled Carbon Nanotube Composite: Morphology, Structure, and Conductivity. <i>Macromolecules</i> , 2007, 40, 278-287.	4.8	144

#	ARTICLE	IF	CITATIONS
684	Water, proton, and ion transport: from nanotubes to proteins. <i>Molecular Physics</i> , 2007, 105, 201-207.	1.7	78
685	Effects of plasma surface modification on interfacial behaviors and mechanical properties of carbon nanotube-Al ₂ O ₃ nanocomposites. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	22
686	Cross linking of thiolated carbon nanotubes: An ab initio study. <i>Journal of Applied Physics</i> , 2007, 102, 024317.	2.5	14
687	Characterization of stackless vertically aligned carbon nanotube synthesized by thermal CVD with gravity effect and water-assisted etching. , 2007, , .		0
688	Single-Wall Carbon Nanotubes Used as Stationary Phase in HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 2953-2958.	1.0	39
689	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. <i>Chemical Communications</i> , 2007, , 4665.	4.1	2
690	Facile synthesis of silver nano/micro-ribbons or saws assisted by polyoxomolybdate as mediator agent and vanadium(iv) as reducing agent. <i>Chemical Communications</i> , 2007, , 3750.	4.1	16
691	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
692	Diameter Selection of Single-Walled Carbon Nanotubes through Programmable Solvation in Binary Sulfonic Acid Mixtures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17827-17834.	3.1	12
693	Microtubule Formation Using Two-Component Gel System. <i>Journal of the American Chemical Society</i> , 2007, 129, 1040-1041.	13.7	64
694	Spectroscopic Evidence on Weak Electron Transfer from Intercalated Iodine Molecules to Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 10181-10184.	3.1	15
695	Direct Growth of Aligned Multiwalled Carbon Nanotubes on Treated Stainless Steel Substrates. <i>Langmuir</i> , 2007, 23, 9046-9049.	3.5	109
696	Discrete Chiral Single-Crystal Microtubes Assembled with Honeycomb Coordination Networks Showing Structural Diversity and Borromean Topology in One Single Crystal. <i>Chemistry of Materials</i> , 2007, 19, 4630-4632.	6.7	49
697	Interactions between carbon nanotubes and DNA polymerase and restriction endonucleases. <i>Nanotechnology</i> , 2007, 18, 025102.	2.6	38
698	DNA~Hemoglobin~Multiwalls Carbon Nanotube Hybrid Material with Sandwich Structure:~% Preparation, Characterization, and Application in Bioelectrochemistry. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8655-8660.	3.1	39
699	Ferrocene Catalyzed Carbon Nanotube Formation in Carbonaceous Solid. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2514-2519.	3.1	20
700	Vertically Aligned Carbon Nanofibers Coupled with Organosilicon Electrolytes:~% Electrical Properties of a High-Stability Nanostructured Electrochemical Interface. <i>Chemistry of Materials</i> , 2007, 19, 5734-5741.	6.7	24
701	Food Analysis on Microfluidic Devices Using Ultrasensitive Carbon Nanotubes Detectors. <i>Analytical Chemistry</i> , 2007, 79, 7408-7415.	6.5	120

#	ARTICLE	IF	CITATIONS
702	Growth of Vertically Aligned Carbon Nanotubes from Highly Active Fe ²⁺ -O Nanoparticles Prepared by Liquid-Phase Synthesis. Japanese Journal of Applied Physics, 2007, 46, 3700-3703.	1.5	10
703	Synthesis and Structural Investigation of New Triptycene-Based Ligands: En Route to Shape-Persistent Dendrimers and Macrocycles with Large Free Volume. Journal of Organic Chemistry, 2007, 72, 8683-8690.	3.2	70
704	Size-Controlled in situ Synthesis of Metal Nanoparticles on Dendrimer-Modified Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 2416-2420.	3.1	84
705	Resonance Raman Study of Li_2 -Intercalated Single-Walled Carbon Nanotubes. IEEE Nanotechnology Magazine, 2007, 6, 126-129.	2.0	3
706	Intensive irradiation of carbon nanotubes by Si ion beam. Nuclear Science and Techniques/Hewuli, 2007, 18, 137-140.	3.4	2
707	Magnetic properties of vacancies in a graphitic boron nitride sheet by first-principles pseudopotential calculations. Physical Review B, 2007, 75, .	3.2	184
708	Impact of carbon nanotube exposure, dosage and aggregation on smooth muscle cells. Toxicology Letters, 2007, 169, 51-63.	0.8	91
709	Polyimide-Surface-Modified Silica Tubes: Preparation and Cryogenic Properties. Chemistry of Materials, 2007, 19, 1939-1945.	6.7	25
710	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
711	Effect of Single-walled Carbon Nanotubes on Cellulose Phenylcarbamate Chiral Stationary Phases. Chemical Research in Chinese Universities, 2007, 23, 646-649.	2.6	16
712	Functionalized multi-walled carbon nanotube coating on mainspring with reinforced mechanical strength. , 2007, , .		0
713	Optical Transmission and Conductivity of Nematic Liquid Crystals Containing Dispersed Multiwall Nanotubes. Molecular Crystals and Liquid Crystals, 2007, 478, 127/[883]-133/[889].	0.9	16
714	Potential Applications of Carbon Nanotubes. Topics in Applied Physics, 2007, , 13-62.	0.8	307
715	Carboxylation treatment of multiwalled carbon nanotubes monitored by infrared and ultraviolet spectroscopies and scanning probe microscopy. Diamond and Related Materials, 2007, 16, 412-417.	3.9	171
716	Functionalization of Carbon Nano-onions by Direct Fluorination. Chemistry of Materials, 2007, 19, 778-786.	6.7	109
717	Dendrimer-Mediated Synthesis of Water-Dispersible Carbon-Nanotube-Supported Oxide Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 8459-8462.	3.1	35
718	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
719	Electrospinning of Fe, Co, and Ni Nanofibers: Synthesis, Assembly, and Magnetic Properties. Chemistry of Materials, 2007, 19, 3506-3511.	6.7	286

#	ARTICLE	IF	CITATIONS
720	A comparative study of the field emission properties of aligned carbon nanostructures films, from carbon nanotubes to diamond. EPJ Applied Physics, 2007, 38, 115-127.	0.7	12
721	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
722	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
723	Spontaneous Coating of Carbon Nanotubes with an Ultrathin Polypyrrole Layer. Chemistry - A European Journal, 2007, 13, 7644-7649.	3.3	40
724	Ionic Liquids for Soft Functional Materials with Carbon Nanotubes. Chemistry - A European Journal, 2007, 13, 5048-5058.	3.3	504
725	Self-Assembled Single-Walled Carbon Nanotube:Zinc-Porphyrin Hybrids through Ammonium Ion-Crown Ether Interaction: Construction and Electron Transfer. Chemistry - A European Journal, 2007, 13, 8277-8284.	3.3	77
726	Preparation and properties of plasticized starch/multiwalled carbon nanotubes composites. Journal of Applied Polymer Science, 2007, 106, 1431-1437.	2.6	78
727	Aligned Carbon Nanotubes in the Supramolecular Order of Discotic Liquid Crystals. Angewandte Chemie - International Edition, 2007, 46, 1501-1503.	13.8	110
730	Preparation of Smart Polymer/Carbon Nanotube Conjugates via Stimuli-Responsive Linkages. Advanced Functional Materials, 2007, 17, 2470-2477.	14.9	42
731	Clay Assisted Dispersion of Carbon Nanotubes in Conductive Epoxy Nanocomposites. Advanced Functional Materials, 2007, 17, 2343-2348.	14.9	276
732	Sandwich-Type Laminated Nanocomposites Developed by Selective Dip-Coating of Carbon Nanotubes. Advanced Materials, 2007, 19, 427-432.	21.0	49
733	An Approach to Obtaining Homogeneously Dispersed Carbon Nanotubes in Al Powders for Preparing Reinforced Al-Matrix Composites. Advanced Materials, 2007, 19, 1128-1132.	21.0	321
734	Carbon Nanotube Field-Effect-Transistor-Based Biosensors. Advanced Materials, 2007, 19, 1439-1451.	21.0	726
735	From Well-Defined Carbon-Rich Precursors to Monodisperse Carbon Particles with Hierarchic Structures. Advanced Materials, 2007, 19, 1849-1853.	21.0	43
736	A Photosynthetic Reaction Center Covalently Bound to Carbon Nanotubes. Advanced Materials, 2007, 19, 3901-3905.	21.0	51
737	Protein-Directed Formation of Silver Nanoparticles on Carbon Nanotubes. Advanced Materials, 2007, 19, 3167-3170.	21.0	48
738	Mechanical properties and biological behavior of carbon nanotube/polycarbosilane composites for implant materials. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 82B, 223-230.	3.4	58
739	Carbon Nanotubes Paste Electrodes. A New Alternative for the Development of Electrochemical Sensors. Electroanalysis, 2007, 19, 823-831.	2.9	87

#	ARTICLE	IF	CITATIONS
740	Amperometric Ethanol Biosensor Based on Carbon Nanotubes Dispersed in Solâ€“Gel-Derived Titaniaâ€“Nafion Composite Film. <i>Electroanalysis</i> , 2007, 19, 1524-1530.	2.9	26
741	Ethyleneâ€“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
742	A simple route for the attachment of colloidal nanocrystals to noncovalently modified multiwalled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 292, 83-85.	4.7	25
743	Functionalization of carbon nanofibres by 1,3-dipolar cycloaddition reactions and its effect on composite properties. <i>Composites Science and Technology</i> , 2007, 67, 806-810.	7.8	23
744	Preparation and characterization of carbon nanotube/polyetherimide nanocomposite films. <i>Composites Science and Technology</i> , 2007, 67, 406-412.	7.8	116
745	Synthesis and characterization of manganese dioxide spontaneously coated on carbon nanotubes. <i>Carbon</i> , 2007, 45, 375-382.	10.3	350
746	The growth of carbon nanotube stacks in the kinetics-controlled regime. <i>Carbon</i> , 2007, 45, 344-348.	10.3	57
747	Dispersing multi-walled carbon nanotubes with waterâ€“soluble block copolymers and their use as supports for metal nanoparticles. <i>Carbon</i> , 2007, 45, 285-292.	10.3	111
748	Controlling the dispersion of multi-wall carbon nanotubes in aqueous surfactant solution. <i>Carbon</i> , 2007, 45, 618-623.	10.3	652
749	An easy way to produce \pm -iron filled multiwalled carbon nanotubes. <i>Carbon</i> , 2007, 45, 602-606.	10.3	40
750	Aqueous suspension of carbon nanotubes via non-covalent functionalization with oligothiophene-terminated poly(ethylene glycol). <i>Carbon</i> , 2007, 45, 1051-1057.	10.3	111
751	Preparation of titania/carbon nanotube composites using supercritical ethanol and their photocatalytic activity for phenol degradation under visible light irradiation. <i>Carbon</i> , 2007, 45, 1795-1801.	10.3	341
752	Controlled assembly of carbon nanotubes encapsulated with amphiphilic block copolymer. <i>Carbon</i> , 2007, 45, 2072-2078.	10.3	28
753	Synthesis of nitrogen-doped horn-shaped carbon nanotubes by reduction of pentachloropyridine with metallic sodium. <i>Carbon</i> , 2007, 45, 2253-2259.	10.3	24
754	Functionalization of multiwalled carbon nanotubes with polyamide 6 by anionic ring-opening polymerization. <i>Carbon</i> , 2007, 45, 2327-2333.	10.3	100
755	Three-dimensionally structured electrode assembly for proton-exchange membrane fuel cell based on patterned and aligned carbon nanotubes. <i>Carbon</i> , 2007, 45, 2845-2848.	10.3	18
756	Selected area deposition of multiwalled carbon nanotubes from solution. <i>Carbon</i> , 2007, 45, 2732-2736.	10.3	11
757	Dispersion of multi-wall carbon nanotubes in polyethylenimine: A new alternative for preparing electrochemical sensors. <i>Electrochemistry Communications</i> , 2007, 9, 480-484.	4.7	132

#	ARTICLE	IF	CITATIONS
758	Boiling heat transfer enhancement with carbon nanotubes for refrigerants used in building air-conditioning. <i>Energy and Buildings</i> , 2007, 39, 1061-1064.	6.7	150
759	Enhanced electrical conductivity in chemically modified carbon nanotube/methylvinyl silicone rubber nanocomposite. <i>European Polymer Journal</i> , 2007, 43, 4924-4930.	5.4	71
760	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
761	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
762	Tris(2,2'-bipyridyl)ruthenium(II) electrochemiluminescence sensor based on carbon nanotube/organically modified silicate films. <i>Analytica Chimica Acta</i> , 2007, 594, 169-174.	5.4	31
763	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
764	Electrochemical parameters of ethamsylate at multi-walled carbon nanotube modified glassy carbon electrodes. <i>Bioelectrochemistry</i> , 2007, 70, 296-300.	4.6	52
765	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
766	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
767	Theoretical investigations on the functionalization of carbon nanotubes. <i>Inorganica Chimica Acta</i> , 2007, 360, 785-793.	2.4	28
768	Enhancement of nucleate boiling heat transfer using carbon nanotubes. <i>International Journal of Heat and Mass Transfer</i> , 2007, 50, 4499-4502.	4.8	136
769	Palladium dispersed multiwalled carbon nanotube based hydrogen sensor for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 2518-2526.	7.1	91
770	Conductive coatings and composites from latex-based dispersions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 311, 48-54.	4.7	39
771	An enzymatic glucose/O ₂ biofuel cell: Preparation, characterization and performance in serum. <i>Electrochemistry Communications</i> , 2007, 9, 989-996.	4.7	136
772	Gelatin-functionalized carbon nanotubes for the bioelectrochemistry of hemoglobin. <i>Electrochemistry Communications</i> , 2007, 9, 1619-1623.	4.7	55
773	Electrochemical chlorine sensor with multi-walled carbon nanotubes as electrocatalysts. <i>Electrochemistry Communications</i> , 2007, 9, 2436-2440.	4.7	41
774	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
775	Thermal and electrical properties of poly(L-lactide)-graft-multiwalled carbon nanotube composites. <i>European Polymer Journal</i> , 2007, 43, 1729-1735.	5.4	93

#	ARTICLE	IF	CITATIONS
776	Structured silica reactor with aligned carbon nanotubes as catalyst support for liquid-phase reaction. <i>Journal of Molecular Catalysis A</i> , 2007, 267, 92-97.	4.8	42
777	Effect of single-wall carbon nanotubes on direct epoxidation of cyclohexene catalyzed by new derivatives of cis-dioxomolybdenum(VI) complexes with bis-bidentate Schiff-base containing aromatic nitrogen–nitrogen linkers. <i>Journal of Molecular Catalysis A</i> , 2007, 278, 173-180.	4.8	48
778	Carbon nanotube assisted synthesis of CeO ₂ nanotubes. <i>Journal of Solid State Chemistry</i> , 2007, 180, 654-660.	2.9	120
779	Structural and electronic properties of lithium endohedral doped carbon nanocapsules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 36, 211-216.	2.7	1
780	One dimensional nanostructured materials. <i>Progress in Materials Science</i> , 2007, 52, 699-913.	32.8	567
781	Synthesis of water-soluble single-walled carbon nanotubes by RAFT polymerization. <i>Polymer</i> , 2007, 48, 728-733.	3.8	69
782	A facile approach to covalently functionalized carbon nanotubes with biocompatible polymer. <i>Polymer</i> , 2007, 48, 3658-3663.	3.8	123
783	Improved electrochemical properties of prussian blue by multi-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2007, 603, 59-66.	3.8	105
784	Near-edge X-ray absorption fine structure spectroscopy-assisted purification of single-walled carbon nanotubes. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 711-716.	2.9	6
785	Novel amperometric biosensor based on composite film assembled by polyelectrolyte-surfactant polymer, carbon nanotubes and hemoglobin. <i>Sensors and Actuators B: Chemical</i> , 2007, 121, 423-429.	7.8	51
786	A review of DNA functionalized/grafted carbon nanotubes and their characterization. <i>Sensors and Actuators B: Chemical</i> , 2007, 122, 672-682.	7.8	271
787	Preparation of mesostructured barium sulfate with high surface area by dispersion method and its characterization. <i>Journal of Colloid and Interface Science</i> , 2007, 316, 645-651.	9.4	38
788	Polymer–Nanotube–Enzyme Composites as Active Antifouling Films. <i>Small</i> , 2007, 3, 50-53.	10.0	140
789	Advances in Carbon-Nanotube Assembly. <i>Small</i> , 2007, 3, 24-42.	10.0	174
790	Single-Walled Carbon Nanotubes Prepared by Atom Transfer Radical Polymerization. <i>Small</i> , 2007, 3, 1803-1810.	10.0	58
791	Preparation of poly(styrene-co-acrylonitrile)-grafted multiwalled carbon nanotubes via surface-initiated atom transfer radical polymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 460-470.	2.3	98
792	Plasma Modification of Carbon Nanotubes and Bucky Papers. <i>Plasma Processes and Polymers</i> , 2007, 4, S871-S877.	3.0	38
793	Hydroxyapatite/Carbon Nanotube Composites for Biomedical Applications: A Review. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 1-13.	2.1	356

#	ARTICLE	IF	CITATIONS
794	Carbon nanotubes from catalytic pyrolysis of deoiled asphalt. <i>Materials Letters</i> , 2007, 61, 3916-3919.	2.6	20
795	Synthesis of flowerlike SnO ₂ quasi-square submicrotubes from tin (II) oxalate precursor. <i>Materials Letters</i> , 2007, 61, 4121-4123.	2.6	20
796	A review of methods for synthesis of nanostructured metals with emphasis on iron compounds. <i>Chemical Papers</i> , 2007, 61, .	2.2	213
797	Functionalized carbon nanotubes for polymeric nanocomposites. <i>Journal of Materials Chemistry</i> , 2007, 17, 1143.	6.7	153
798	Nano-graphene growth and texturing by Nd:YAG pulsed laser ablation of graphite on Silicon. <i>Journal of Physics: Conference Series</i> , 2007, 59, 616-624.	0.4	14
799	Carbon nanotubes for biological and biomedical applications. <i>Nanotechnology</i> , 2007, 18, 412001.	2.6	522
800	Controlled Hydrothermal Growth and Up-Conversion Emission of NaLnF ₄ (Ln = Y, Dy~Yb). <i>Inorganic Chemistry</i> , 2007, 46, 5404-5410.	4.0	133
801	Enhancement of pool boiling heat transfer coefficients using carbon nanotubes. <i>Journal of Mechanical Science and Technology</i> , 2007, 21, 303-310.	1.5	4
802	Rapid determination of triazophos using acetylcholinesterase biosensor based on sol~gel interface assembling multiwall carbon nanotubes. <i>Journal of Applied Electrochemistry</i> , 2007, 37, 893-898.	2.9	41
803	MWCNT reinforced Polyamide-6,6 films: preparation, characterization and properties. <i>Journal of Materials Science</i> , 2007, 42, 923-934.	3.7	53
804	Synthesis and electrocatalytic activity of multi-walled carbon nanotubes/Cu~Ag nanocomposites. <i>Journal of Materials Science</i> , 2007, 42, 6972-6976.	3.7	17
805	Carbon nanotube: carbon composites with matrix derived from oxidized mesophase pitch. <i>Journal of Materials Science</i> , 2007, 42, 9498-9500.	3.7	9
806	Electrochemical behavior of electrodeposited rutin film on a multi-wall carbon nanotubes modified glassy carbon electrode. Improvement of the electrochemical reversibility and its application as a hydrazine sensor. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 971-979.	2.5	42
807	Electrochemical properties of double wall carbon nanotube electrodes. <i>Nanoscale Research Letters</i> , 2007, 2, 87-93.	5.7	73
808	Rapid functionalization of carbon nanotube and its electrocatalysis. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 369-377.	0.4	6
809	Single-walled carbon nanotubes functionalized with poly(nile blue A) and their application to dehydrogenase-based biosensors. <i>Electrochimica Acta</i> , 2007, 53, 1811-1823.	5.2	77
810	Carbon nanotubes and glucose oxidase bionanocomposite bridged by ionic liquid-like unit: Preparation and electrochemical properties. <i>Biosensors and Bioelectronics</i> , 2007, 23, 438-443.	10.1	85
811	Processing a glass fiber reinforced vinyl ester composite with nanotube enhancement of interlaminar shear strength. <i>Composites Science and Technology</i> , 2007, 67, 1509-1517.	7.8	303

#	ARTICLE	IF	CITATIONS
812	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
813	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
814	Carbon nanotubes – Production and industrial applications. <i>Materials & Design</i> , 2007, 28, 1477-1489.	5.1	441
815	Kinetics of chemical vapor infiltration of carbon nanofiber-reinforced carbon/carbon composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 480, 253-258.	5.6	17
816	Electrooxidation of catecholamines at carbon nanotube-modified indium tin oxide electrodes. <i>Analytica Chimica Acta</i> , 2008, 619, 49-53.	5.4	11
817	Hydrophobicity-induced selective covering of carbon nanotubes with sol-gel sheaths achieved by ultrasound assistance. <i>Applied Surface Science</i> , 2008, 254, 7438-7445.	6.1	6
818	Characteristics of polyimide-based nanocomposites containing plasma-modified multi-walled carbon nanotubes. <i>Composites Science and Technology</i> , 2008, 68, 2208-2213.	7.8	96
819	Preparation and characterization of conductive carbon nanotube-polystyrene nanocomposites using latex technology. <i>Composites Science and Technology</i> , 2008, 68, 2254-2259.	7.8	51
820	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
821	Exfoliated single-walled carbon nanotube-based hydrogen sensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 653-660.	7.8	69
822	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
823	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
824	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
825	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. <i>Computational and Theoretical Chemistry</i> , 2008, 856, 79-87.	1.5	3
826	New nanocomposites containing metal nanoparticles, carbon nanotube and polymer. <i>Journal of Nanoparticle Research</i> , 2008, 10, 1309-1318.	1.9	85
827	Electrochemical determination of Pb ²⁺ using a carbon nanotube/Nafion composite film-modified electrode. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 1223-1227.	2.9	31
828	Surface modification of multi-walled carbon nanotubes using 3-aminopropyltriethoxysilane. <i>Journal of Materials Science</i> , 2008, 43, 33-37.	3.7	198
829	Synthesis of poly(ethylene glycol) functionalized MWNTs and their inclusion complexes with β -cyclodextrin. <i>Journal of Materials Science</i> , 2008, 43, 5609-5617.	3.7	10

#	ARTICLE	IF	CITATIONS
830	Isotactic and syndiotactic polypropylene/multi-wall carbon nanotube composites: synthesis and properties. Journal of Materials Science, 2008, 43, 7132-7140.	3.7	43
831	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
832	Synthesis and Characterization of Magnetic Metal-encapsulated Multi-walled Carbon Nanobeads. Nanoscale Research Letters, 2008, 3, .	5.7	21
833	Morphology-Controllable Synthesis of CeO ₂ on a Pt Electrode. Nanoscale Research Letters, 2008, 3, .	5.7	9
834	A simple method to fabricate a Prussian Blue nanoparticles/carbon nanotubes/poly(1,2-diaminobenzene) based glucose biosensor. Mikrochimica Acta, 2008, 160, 261-267.	5.0	46
835	Nano-silver/multi-walled carbon nanotube composite films for hydrogen peroxide electroanalysis. Mikrochimica Acta, 2008, 162, 51-56.	5.0	33
836	Microwave-assisted preparation of a carbon nanotube/La(OH) ₃ nanocomposite, and its application to electrochemical determination of adenine and guanine. Mikrochimica Acta, 2008, 162, 175-180.	5.0	27
837	A novel nanohybrid of daunomycin and single-walled carbon nanotubes: photophysical properties and enhanced electrochemical activity. Biotechnology Letters, 2008, 30, 1031-1035.	2.2	11
838	Nanocomposites of poly(L-lysine) and single-walled carbon nanotubes. Polymer International, 2008, 57, 311-315.	3.1	10
839	From carbon nanotube coatings to high-performance polymer nanocomposites. Polymer International, 2008, 57, 547-553.	3.1	73
840	Effect of polymer chain length on the solubility of polystyrene grafted single-walled carbon nanotubes in tetrahydrofuran. Polymer International, 2008, 57, 1007-1011.	3.1	26
841	Polyaniline-Coated Fe ₃ O ₄ Nanoparticle-Carbon Nanotube Composite and its Application in Electrochemical Biosensing. Small, 2008, 4, 462-466.	10.0	177
842	Enhanced Environmental Mobility of Carbon Nanotubes in the Presence of Humic Acid and Their Removal from Aqueous Solution. Small, 2008, 4, 2166-2170.	10.0	105
843	Functionalization of multiwalled carbon nanotube via surface reversible addition fragmentation chain transfer polymerization and as lubricant additives. Journal of Polymer Science Part A, 2008, 46, 3014-3023.	2.3	26
844	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
845	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
846	PEDOT-PSS/singlewall carbon nanotubes composites. Polymer Engineering and Science, 2008, 48, 1-10.	3.1	53
847	Preparation and characterization of melt-processed polycarbonate/multiwalled carbon nanotube composites. Polymer Engineering and Science, 2008, 48, 1369-1375.	3.1	41

#	ARTICLE	IF	CITATIONS
848	A Non-covalent Method to Functionalize Multi-walled Carbon Nanotubes Using Six-Armed Star Poly(L-lactic acid) with a Triphenylene Core. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 783-793.	2.2	38
849	Anisotropic Electrical Transport Properties of Aligned Carbon Nanotube/PMMA Films Obtained by Electric-Field-Assisted Thermal Annealing. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 867-871.	3.6	19
850	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
851	Enhancement Action of Lanthanum Hydroxide Nanowire Towards Voltammetric Response of Dosesilite and Its Application. <i>Chinese Journal of Chemistry</i> , 2008, 26, 220-224.	4.9	4
852	Synthesis of Porous Carbon Fibers from Collagen Fiber. <i>ChemSusChem</i> , 2008, 1, 298-301.	6.8	36
853	Directional conductivity in SWNT-collagen-fibrin composite biomaterials through strain-induced matrix alignment. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 86A, 269-277.	4.0	60
854	Fabrication, characterization, and biocompatibility of single-walled carbon nanotube-reinforced alginate composite scaffolds manufactured using freeform fabrication technique. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 87B, 406-414.	3.4	83
855	Fabrication of Tyrosinase Biosensor Based on Multiwalled Carbon Nanotubes-Chitosan Composite and Its Application to Rapid Determination of Coliforms. <i>Electroanalysis</i> , 2008, 20, 1463-1469.	2.9	12
856	Some Properties of Sodium Dodecyl Sulfate Functionalized Multiwalled Carbon Nanotubes Electrode and Its Application on Detection of Dopamine in the Presence of Ascorbic Acid. <i>Electroanalysis</i> , 2008, 20, 1811-1818.	2.9	46
857	Glassy Carbon Electrodes Modified with Multiwall Carbon Nanotubes Dispersed in Polylysine. <i>Electroanalysis</i> , 2008, 20, 1623-1631.	2.9	37
858	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
859	Electrochemical Biosensing for Cancer Cells Based on TiO ₂ /CNT Nanocomposites Modified Electrodes. <i>Electroanalysis</i> , 2008, 20, 2526-2530.	2.9	65
860	Controlling the mechanics and nanotopography of biocompatible scaffolds through dielectrophoresis with carbon nanotubes. <i>Electrophoresis</i> , 2008, 29, 3123-3127.	2.4	6
861	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
862	Dispersion and noncovalent modification of multiwalled carbon nanotubes by various polystyrene-based polymers. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3525-3532.	2.6	28
863	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
864	Rheological and thermal properties of poly(ethylene oxide)/multiwall carbon nanotube composites. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2094-2101.	2.6	41
865	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

#	ARTICLE	IF	CITATIONS
866	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
867	Photosensitive Carbon Nanotube Paste Based on Acrylated Single-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2008, 18, 449-454.	14.9	8
868	Directed Self-Assembly of Gradient Concentric Carbon Nanotube Rings. <i>Advanced Functional Materials</i> , 2008, 18, 2114-2122.	14.9	77
869	Nanoarchitecturing of Activated Carbon: Facile Strategy for Chemical Functionalization of the Surface of Activated Carbon. <i>Advanced Functional Materials</i> , 2008, 18, 3613-3619.	14.9	91
870	Dispersion of Pristine Carbon Nanotubes Using Conjugated Block Copolymers. <i>Advanced Materials</i> , 2008, 20, 2055-2060.	21.0	228
871	Simply Modified Chiral Diphosphine: Catalyst Recycling via Non-covalent Absorption on Carbon Nanotubes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1013-1016.	4.3	55
874	Quantum chemical treatment of doped defected carbon nanocapsules. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2752-2760.	2.7	3
875	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
876	Hydrothermal synthesis of hydrated vanadium oxide nanobelts using poly (ethylene oxide) as a template. <i>Journal of Power Sources</i> , 2008, 179, 854-857.	7.8	47
877	Functionalized multiwall carbon nanotubes combined with bis(2,2'-bipyridine)-5-amino-1,10-phenanthroline ruthenium(II) as an electrochemiluminescence sensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 758-763.	7.8	56
878	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
879	One-step electrochemical modification of carbon nanotubes by ruthenium complexes via new diazonium salts. <i>Journal of Electroanalytical Chemistry</i> , 2008, 621, 277-285.	3.8	64
880	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
881	Selective hydrogenation of cinnamaldehyde over Pt-supported multi-walled carbon nanotubes: Insights into the tube-size effects. <i>Applied Catalysis A: General</i> , 2008, 344, 114-123.	4.3	72
882	Bioelectrocatalytic current based on direct heterogeneous electron transfer reaction of glucose oxidase adsorbed onto multi-walled carbon nanotubes synthesized on platinum electrode surfaces. <i>Electrochemistry Communications</i> , 2008, 10, 888-890.	4.7	25
883	Electrocatalytic oxidation of deferiprone and its determination on a carbon nanotube-modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2008, 53, 2907-2916.	5.2	48
884	Preparation and characterization of carbon nanotubes-polymer/CdSe hybrid nanocomposites through combining electrostatic adsorption and ATRP technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 324, 131-136.	4.7	14
885	Processing and modeling of conductive thermoplastic/carbon nanotube films for strain sensing. <i>Composites Part B: Engineering</i> , 2008, 39, 209-216.	12.0	296

#	ARTICLE	IF	CITATIONS
886	A comparative study on electrochemistry of laccase at two kinds of carbon nanotubes and its application for biofuel cell. Chemical Physics Letters, 2008, 457, 381-385.	2.6	68
887	Linear and nonlinear spectroscopic studies of phthalocyanine-carbon nanotube blends. Chemical Physics Letters, 2008, 465, 265-271.	2.6	39
888	Preparation and gas storage of high surface area microporous carbon derived from biomass source cornstalks. Bioresource Technology, 2008, 99, 4803-4808.	9.6	76
889	Highly sensitive biosensor based on bionanomultilayer with water-soluble multiwall carbon nanotubes for determination of phenolics. Biosensors and Bioelectronics, 2008, 24, 306-312.	10.1	34
890	Photophysical properties of noncovalently functionalized multi-walled carbon nanotubes with poly-para-hydroxystyrene. Carbon, 2008, 46, 714-716.	10.3	7
891	Mechanical and physical properties of MWCNT/carbon composites with matrix derived from mesocarbon microbeads. Carbon, 2008, 46, 1100-1102.	10.3	17
892	How Carbon-Nano-Fibers attach to Ni foam. Carbon, 2008, 46, 1638-1647.	10.3	60
893	An easy single step route to synthesize open~ended carbon nanotubes. Carbon, 2008, 46, 1615-1619.	10.3	4
894	Preparation of polyaniline/multiwalled carbon nanotube composite by novel electrophoretic route. Carbon, 2008, 46, 1727-1735.	10.3	118
895	Optimization of water assisted chemical vapor deposition parameters for super growth of carbon nanotubes. Carbon, 2008, 46, 1987-1993.	10.3	99
896	Polyaniline~carbon nanotube composite film for cholesterol biosensor. Analytical Biochemistry, 2008, 383, 194-199.	2.4	139
897	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
898	Multiwalled carbon nanotube modified screen-printed electrodes for the detection of p-aminophenol: Optimisation and application in alkaline phosphatase-based assays. Analytica Chimica Acta, 2008, 615, 30-38.	5.4	48
899	Carbon nanotubes increase the electrical conductivity of fibroblast-seeded collagen hydrogels. Acta Biomaterialia, 2008, 4, 1583-1592.	8.3	123
900	Preparation of poly 2-hydroxyethyl methacrylate functionalized carbon nanotubes as novel biomaterial nanocomposites. European Polymer Journal, 2008, 44, 579-586.	5.4	68
901	Determination of zearalenone and its metabolites in urine samples by liquid chromatography with electrochemical detection using a carbon nanotube-modified electrode. Journal of Chromatography A, 2008, 1212, 54-60.	3.7	48
902	MFM and gas adsorption isotherm analysis of proton beam irradiated multi-walled carbon nanotubes. Ultramicroscopy, 2008, 108, 1228-1232.	1.9	1
903	Functionalized carbon nanotubes and nanofibers for biosensing applications. TrAC - Trends in Analytical Chemistry, 2008, 27, 619-626.	11.4	252

#	ARTICLE	IF	CITATIONS
904	Carbon nanotube-incorporated direct-patternable SnO ₂ thin films formed by photochemical metal-organic deposition. <i>Thin Solid Films</i> , 2008, 517, 1072-1076.	1.8	10
905	Adsorption and electrochemistry of hemoglobin on Chi-carbon nanotubes composite film. <i>Applied Surface Science</i> , 2008, 255, 571-573.	6.1	19
906	An efficient route to functionalize single-walled carbon nanotubes using alcohols. <i>Applied Surface Science</i> , 2008, 255, 3294-3299.	6.1	73
907	Properties of nanocomposites based on sulfonated poly(styrene- <i>b</i> -ethylenebutylene- <i>b</i> -styrene) and multiwalled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 239-241.	4.7	5
908	Self-assembled single walled carbon nanotubes on multi-layered polyelectrolyte layer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 419-421.	4.7	3
909	Pyrene-containing polystyrene segmented copolymer from nitroxide mediated polymerization and its application for the noncovalent functionalization of as-prepared multiwalled carbon nanotubes. <i>European Polymer Journal</i> , 2008, 44, 3087-3095.	5.4	33
910	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
911	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
912	Formation of Nb ₂ O ₅ Nanotube Arrays Through Phase Transformation**. <i>Advanced Materials</i> , 2008, 20, 1055-1058.	21.0	204
913	Template-Directed Synthesis of Oxide Nanotubes: Fabrication, Characterization, and Applications. <i>Chemistry of Materials</i> , 2008, 20, 756-767.	6.7	289
914	Environmental Applications of Carbon-Based Nanomaterials. <i>Environmental Science & Technology</i> , 2008, 42, 5843-5859.	10.0	1,337
915	Clickable Macroinitiator Strategy to Build Amphiphilic Polymer Brushes on Carbon Nanotubes. <i>Macromolecules</i> , 2008, 41, 9581-9594.	4.8	108
916	Effect of Confinement in Carbon Nanotubes on the Activity of Fischer-Tropsch Iron Catalyst. <i>Journal of the American Chemical Society</i> , 2008, 130, 9414-9419.	13.7	709
917	Carbon Nanotubes Grown over Fe-Mo-Mg-O Composite Catalysts. <i>Metals and Materials International</i> , 2008, 14, 385-390.	3.4	14
918	Structure of aqueous dispersions of Mg ₃ Si ₂ O ₅ (OH) ₄ nanotubes. <i>Russian Journal of Applied Chemistry</i> , 2008, 81, 207-211.	0.5	2
919	Electronic structure of isolated, embedded, and double-walled nanotubes. <i>Russian Journal of Inorganic Chemistry</i> , 2008, 53, 2171-2190.	1.3	0
920	Atomic Layer Deposition on Bulk Quantities of Surfactant-Modified Single-Walled Carbon Nanotubes. <i>Journal of the American Ceramic Society</i> , 2008, 91, 831-835.	3.8	27
921	Synthesis and characterization of phospholipid-modified multiwalled carbon nanotubes. <i>Materials Research Bulletin</i> , 2008, 43, 141-148.	5.2	7

#	ARTICLE	IF	CITATIONS
922	Preparation of floral-patterned ZnO/MWCNT heterogeneity structure using microwave irradiation heating method. Materials Letters, 2008, 62, 30-32.	2.6	23
923	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
924	A facile hydrothermal route to synthesize novel Co ₃ O ₄ nanoplates. Materials Letters, 2008, 62, 1507-1510.	2.6	52
925	Chapter 16 Growth and Etching of Semiconductors. Handbook of Surface Science, 2008, , 787-870.	0.3	7
926	Toward a Fast, Easy, and Versatile Immobilization of Biomolecules into Carbon Nanotube/Polysulfone-Based Biosensors for the Detection of hCG Hormone. Analytical Chemistry, 2008, 80, 6508-6514.	6.5	130
927	Metallic Single-Walled Carbon Nanotubes for Conductive Nanocomposites. Journal of the American Chemical Society, 2008, 130, 1415-1419.	13.7	143
928	Poly(oxyalkylene)diamine-Functionalized Carbon Nanotube/Perfluorosulfonated Polymer Composites: Synthesis, Water State, and Conductivity. Chemistry of Materials, 2008, 20, 5756-5767.	6.7	104
929	Theoretical Investigation of Electronic Structures and Properties of C ₆₀ -Gold Nanocontacts. ACS Nano, 2008, 2, 227-234.	14.6	44
930	Biomedical Applications of Functionalised Carbon Nanotubes. Carbon Materials, 2008, , 23-50.	1.2	23
931	Synthesis and Properties of Polypropylene/Multiwall Carbon Nanotube Composites. Macromolecules, 2008, 41, 3149-3156.	4.8	120
932	Template-Directed Materials for Rechargeable Lithium-Ion Batteries. Chemistry of Materials, 2008, 20, 667-681.	6.7	507
933	Carbon nanotubes synergistically enhance photocatalytic activity of TiO ₂ . Catalysis Communications, 2008, 9, 1410-1413.	3.3	92
934	Self-Assembled Monolayer-Assisted Chemical Transfer of In Situ Functionalized Carbon Nanotubes. Journal of the American Chemical Society, 2008, 130, 9636-9637.	13.7	48
935	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
936	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
938	Vertically-aligned carbon nanotubes prepared by water-assisted chemical vapor deposition. Diamond and Related Materials, 2008, 17, 2084-2088.	3.9	18
939	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
940	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

#	ARTICLE	IF	CITATIONS
941	Preparation of One-Dimensional CoFe_2O_4 Nanostructures and Their Magnetic Properties. Journal of Physical Chemistry C, 2008, 112, 15171-15175.	3.1	126
942	Immobilization of acetylcholinesterase based on the controllable adsorption of carbon nanotubes onto an alkanethiol monolayer for carbaryl sensing. Analyst, The, 2008, 133, 1790.	3.5	53
943	Controlled synthesis of organic-inorganic hybrid nanofibers by a wet-chemical route. Synthetic Metals, 2008, 158, 572-576.	3.9	15
944	Direct electrochemistry and electrocatalysis of hemoglobin immobilized in TiO_2 nanotube films. Talanta, 2008, 74, 1414-1419.	5.5	92
945	Determination of trace metals by anodic stripping voltammetry using a bismuth-modified carbon nanotube electrode. Talanta, 2008, 76, 301-308.	5.5	307
946	Electroanalysis of some common pesticides using conducting polymer/multiwalled carbon nanotubes modified glassy carbon electrode. Talanta, 2008, 76, 1022-1028.	5.5	69
947	Covalent immobilization of single-walled carbon nanotubes and single-stranded deoxyribonucleic acid nanocomposites on glassy carbon electrode: Preparation, characterization, and applications. Talanta, 2008, 77, 833-838.	5.5	24
948	Stiffness- and Conformation-Dependent Polymer Wrapping onto Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2008, 130, 16697-16703.	13.7	69
949	Assembly of β -Cyclodextrins Acting as Molecular Bricks onto Multiwall Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 951-957.	3.1	72
950	Noncovalent Assembly of Carbon Nanotubes and Single-Stranded DNA: An Effective Sensing Platform for Probing Biomolecular Interactions. Analytical Chemistry, 2008, 80, 7408-7413.	6.5	303
951	Polybenzoxazine-core shell rubber-carbon nanotube nanocomposites. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1653-1659.	7.6	64
952	Molecular Simulation of Water in Carbon Nanotubes. Chemical Reviews, 2008, 108, 5014-5034.	47.7	440
953	Biosensors based on direct electron transfer of protein. , 2008, , 531-581.		12
954	Pristine Multiwalled Carbon Nanotube/Polyethylene Nanocomposites by Immobilized Catalysts. Chemistry of Materials, 2008, 20, 4588-4594.	6.7	44
955	Theoretical and experimental evidence of a metal-carbon synergism for the catalytic growth of carbon nanotubes by chemical vapor deposition. New Carbon Materials, 2008, 23, 331-338.	6.1	6
956	Synthesis and electrochemical probing of water-soluble poly(sodium 4-styrenesulfonate-co-acrylic) Tj ETQq1 1 0.784314 rgBT, Overlook	2.6	40
957	1D SiC decoration of SiC macroscopic shapes for filtration devices. Journal of Materials Chemistry, 2008, 18, 4654.	6.7	39
958	Supersensitive linear piezoresistive property in carbon nanotubes-silicone rubber nanocomposites. Journal of Applied Physics, 2008, 104, .	2.5	117

#	ARTICLE	IF	CITATIONS
959	A reversible decoration of multi-walled carbon nanotubes (MWCNTs) by acyclic 1,4-(1E,3E)-dienyl-Fe(CO) ₃ complexes. Journal of Materials Chemistry, 2008, 18, 1093.	6.7	8
960	Application of Multiwalled Carbon Nanotubes/Nafion Composite Film in Electrochemical Determination of Pb ²⁺ . Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 103-113.	2.1	37
961	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
962	Synthesis of a New Family of Hexakisferrocenyl Hexagons and Their Electrochemical Behavior. Journal of Organic Chemistry, 2008, 73, 8553-8557.	3.2	36
963	Growth of Diameter-Controlled Carbon Nanotubes from Fe ⁰ /V ⁰ O Nanoparticles Size-Classified by Ligand-Exchanged Fractional Precipitation. Langmuir, 2008, 24, 2407-2411.	3.5	5
964	Ethylene Decomposition at Undercoordinated Sites on Cu(410). Journal of the American Chemical Society, 2008, 130, 12552-12553.	13.7	37
965	Enhanced Polymer Grafting from Multiwalled Carbon Nanotubes through Living Anionic Surface-Initiated Polymerization. Chemistry of Materials, 2008, 20, 6217-6230.	6.7	51
966	Influence of the Substitution Pattern of Cp-Iron-Arene Salts in the Solid-State Synthesis of New Carbon Nanostructures. Organometallics, 2008, 27, 3430-3434.	2.3	2
967	Noncovalent Modification of Carbon Nanotubes with Ferrocene ²⁺ Amino Acid Conjugates for Electrochemical Sensing of Chemical Warfare Agent Mimics. Analytical Chemistry, 2008, 80, 2574-2582.	6.5	54
968	Tandem Action of Early ²⁺ Late Transition Metal Catalysts for the Surface Coating of Multiwalled Carbon Nanotubes with Linear Low-Density Polyethylene. Chemistry of Materials, 2008, 20, 3092-3098.	6.7	35
969	Covalent Assembly and Micropatterning of Functionalized Multiwalled Carbon Nanotubes to Monolayer-Modified Si(111) Surfaces. Langmuir, 2008, 24, 6595-6602.	3.5	54
970	Electrochemical sensors based on carbon nanotubes. , 2008, , 459-VIII.		12
971	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
972	Controlling the Synthesis of CoO Nanocrystals with Various Morphologies. Journal of Physical Chemistry C, 2008, 112, 5322-5327.	3.1	68
973	Novel nonconductive adhesives/films with carbon nanotubes for high performance interconnects. , 2008, , .		0
974	DISPERSION OF SINGLE-WALLED CARBON NANOTUBES IN WATER USING FLUOROPHORE-TAGGED POLYPEPTIDE. International Journal of Nanoscience, 2008, 07, 283-289.	0.7	0
975	Modified Glassy Carbon Electrode with Multiwall Carbon Nanotubes as a Voltammetric Sensor for Determination of Leucine in Biological and Pharmaceutical Samples. Analytical Letters, 2008, 41, 2267-2286.	1.8	29
976	Chemical Surface Treatment for Highly Improved Dispersibility of Multiwalled Carbon Nanotubes in Water. Journal of Dispersion Science and Technology, 2008, 29, 426-430.	2.4	17

#	ARTICLE	IF	CITATIONS
977	Alignment and wall control of ultra long carbon nanotubes in water assisted chemical vapour deposition. Journal Physics D: Applied Physics, 2008, 41, 155311.	2.8	47
978	Toward New Materials Prepared via the RAFT Process: From Drug Delivery to Optoelectronics?. , 0, , 483-535.		6
979	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
980	Carbon Nanoparticles in Nematic Liquid Crystals. Chinese Physics Letters, 2008, 25, 212-215.	3.3	33
981	Carbon nanopipettes characterize calcium release pathways in breast cancer cells. Nanotechnology, 2008, 19, 325102.	2.6	35
982	A one-step technique to prepare aligned arrays of carbon nanotubes. Nanotechnology, 2008, 19, 155602.	2.6	46
983	UNUSUAL ELECTROCHEMICAL RESPONSE OF ELECTROCHEMICAL ETCHING ON MULTIWALLED CARBON NANOTUBES. Nano, 2008, 03, 461-467.	1.0	4
984	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
985	ZnO<inf>x</inf>-decorated vertically aligned carbon nanotubes prepared by vapor phase transport technique. , 2008, , .		0
986	Electron field emission from ZnOx nanoparticles decorated on vertically aligned carbon nanotubes prepared by vapor-phase transport. Journal of Vacuum Science & Technology B, 2008, 26, 1757-1760.	1.3	8
987	Enhanced thermal stability of carbon nanotubes by plasma surface modification in Al[sub 2]O[sub 3] composites. Journal of Applied Physics, 2008, 104, 074302.	2.5	10
988	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
989	Rosette nanotubes show low acute pulmonary toxicity in vivo. International Journal of Nanomedicine, 2008, 3, 373.	6.7	33
990	Electroanalysis of NADH Using Conducting and Redox Active Polymer/Carbon Nanotubes Modified Electrodes-A Review. Sensors, 2008, 8, 739-766.	3.8	123
991	Alignment of MWCNTs in polymer composites by dielectrophoresis. EPJ Applied Physics, 2008, 42, 241-246.	0.7	22
992	Micro Electro Discharge Machining of Polymethylmethacrylate (PMMA)/Multi-Walled Carbon Nanotube (MWCNT) Nanocomposites. Advanced Composites Letters, 2008, 17, 096369350801700.	1.3	7
993	Advances in the Use of Carbon Nanomaterials in Catalysis. , 2009, , 621-649.		5
995	The influence of carbon nanotubes on enzyme activity and structure: investigation of different immobilization procedures through enzyme kinetics and circular dichroism studies. Nanotechnology, 2009, 20, 255102.	2.6	90

#	ARTICLE	IF	CITATIONS
996	Gold Nanoparticles and Carbon Nanotubes: Precursors for Novel Composite Materials. , 0, , 249-295.		1
997	3-Aminopropyltriethoxysilane Effect on Thermal and Mechanical Properties of Multi-walled Carbon Nanotubes Reinforced Epoxy Composites. Journal of Composite Materials, 2009, 43, 2533-2541.	2.4	14
998	Novel Nonconductive Adhesives/Films With Carbon Nanotubes for High-Performance Interconnects. IEEE Transactions on Components and Packaging Technologies, 2009, 32, 754-758.	1.3	8
999	CARBON NANOTUBE-GRAFT-POLY (CITRIC ACID) CONTAINING SILVER AND PALLADIUM NANOPARTICLES. Nano, 2009, 04, 217-223.	1.0	8
1000	Alignment of Multiwall Carbon Nanotubes in Polymer Composites by Dielectrophoresis. Japanese Journal of Applied Physics, 2009, 48, 035002.	1.5	19
1001	SYNTHESIS AND CHARACTERIZATION OF A NEW NANOCOMPOSITE BY FILLING OF CNT WITH CoFe_2O_4 MAGNETIC NANOPARTICLES AND GRAFTING TO POLYMER. Nano, 2009, 04, 371-376.	1.0	2
1002	Size effects of the bending stiffness of nanowires. Journal of Applied Physics, 2009, 105, 074306.	2.5	46
1003	SYNTHESIS OF CARBON NANOSHEETS AND CARBON NANOPARTICLES BY RF-PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION. International Journal of Nanoscience, 2009, 08, 29-33.	0.7	3
1004	Proteins Induced Formation of Hydrothermal Nitrogen Doped Carbons. Materials Research Society Symposia Proceedings, 2009, 1219, 4051.	0.1	0
1005	Grafting of Polyaniline onto the Surface of Amino-Functionalized Multi-Walled Carbon Nanotube via Interfacial Polymerization. Materials Research Society Symposia Proceedings, 2009, 1240, 1.	0.1	1
1006	Mechanical Property Characterization of Multiscale Carbon Fibers and Carbon Nanofibers Reinforced Polymer Matrix Composite. , 2009, , .		1
1007	Fabrication of a vertically aligned carbon nanotube electrode and its modification by nanostructured MnO_2 for supercapacitors. Pure and Applied Chemistry, 2009, 81, 2317-2325.	1.9	25
1008	Ideal dipole approximation fails to predict electronic coupling and energy transfer between semiconducting single-wall carbon nanotubes. Journal of Chemical Physics, 2009, 130, 081104.	3.0	56
1009	Sintering Process and Mechanical Property of MWCNTs/HDPE Bulk Composite. Polymer-Plastics Technology and Engineering, 2009, 48, 821-826.	1.9	17
1010	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
1011	Carbon Nanotubes—Synthesis and Application. Transactions of the Indian Ceramic Society, 2009, 68, 163-172.	1.0	10
1012	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
1013	Nanoscale Carbon Materials for Contaminant Separation. , 2009, , 269-311.		1

#	ARTICLE	IF	CITATIONS
1014	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
1015	Carbon nanotube-assisted synthesis and high catalytic activity of CeO ₂ hollow nanobeads. Materials Chemistry and Physics, 2009, 113, 527-530.	4.0	31
1016	Catalyst-free growth of oriented single-walled carbon nanotubes on mica by ethanol chemical vapor deposition. Materials Letters, 2009, 63, 721-723.	2.6	8
1017	Adsorption of ciprofloxacin and its role for stabilizing multi-walled carbon nanotubes and characterization. Materials Letters, 2009, 63, 1830-1833.	2.6	16
1018	A General Strategy to Disperse and Functionalize Carbon Nanotubes Using Conjugated Block Copolymers. Advanced Functional Materials, 2009, 19, 479-483.	14.9	88
1019	Advances in Bioapplications of Carbon Nanotubes. Advanced Materials, 2009, 21, 139-152.	21.0	348
1020	A Graphene Hybrid Material Covalently Functionalized with Porphyrin: Synthesis and Optical Limiting Property. Advanced Materials, 2009, 21, 1275-1279.	21.0	1,007
1021	Production of Ultrahigh-Molecular-Weight Polyethylene/Pristine MWCNT Composites by Half-Titanocene Catalysts. Advanced Materials, 2009, 21, 902-905.	21.0	38
1022	Carbon-Nanotube-Based Electrical Brush Contacts. Advanced Materials, 2009, 21, 2054-2058.	21.0	73
1023	A Combined Process of In Situ Functionalization and Microwave Treatment to Achieve Ultrasmall Thermal Expansion of Aligned Carbon Nanotube-Polymer Nanocomposites: Toward Applications as Thermal Interface Materials. Advanced Materials, 2009, 21, 2421-2424.	21.0	178
1024	Orthogonal Transformations on Solid Substrates: Efficient Avenues to Surface Modification. Advanced Materials, 2009, 21, 3442-3468.	21.0	138
1025	Synthesis of High-Quality, Double-Walled Carbon Nanotubes in a Fluidized Bed Reactor. Chemical Engineering and Technology, 2009, 32, 73-79.	1.5	41
1026	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
1027	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
1028	Amperometric Detection of Hydrogen Peroxide Using Glassy Carbon Electrodes Modified with Chromium Hexacyanoferrate/Single-Walled Carbon Nanotube Nanocomposites. Electroanalysis, 2009, 21, 179-183.	2.9	9
1029	Electrochemistry and Adsorptive Stripping Voltammetric Determination of Amoxicillin on a Multiwalled Carbon Nanotubes Modified Glassy Carbon Electrode. Electroanalysis, 2009, 21, 1577-1586.	2.9	57
1030	Simultaneous Determination of Trace Zinc(II) and Cadmium(II) by Differential Pulse Anodic Stripping Voltammetry Using a MWCNTs-NaDBS Modified Stannum Film Electrode. Electroanalysis, 2009, 21, 2584-2589.	2.9	54
1031	Detection of Trace Heavy Metal Ions Using Carbon Nanotube-Modified Electrodes. Electroanalysis, 2009, 21, 1597-1603.	2.9	160

#	ARTICLE	IF	CITATIONS
1032	Electrochemical Sensing of NADH and Glutamate Based on Meldola Blue in 1,2,4,5-Tetraaminobenzene and 3,4-Ethylenedioxythiophene Polymer Films. <i>Electroanalysis</i> , 2009, 21, 2099-2108.	2.9	17
1033	Room Temperature Ionic Liquids (RTILs) and Multiwalled Carbon Nanotubes (MWCNTs) as Modifiers for Improvement of Carbon Paste Ion Selective Electrode Response; A Comparison Study with PVC Membrane. <i>Electroanalysis</i> , 2009, 21, 2175-2178.	2.9	52
1034	Functionalization of Single-Walled Carbon Nanotubes with Cubic Prussian Blue and Its Application for Amperometric Sensing. <i>Electroanalysis</i> , 2009, 21, 2325-2330.	2.9	44
1035	Carbon nanotube/poly(ethylene-co-vinyl acetate) composite electrode for capillary electrophoretic determination of esculin and esculetin in <i>Cortex Fraxini</i> . <i>Electrophoresis</i> , 2009, 30, 3419-3426.	2.4	39
1036	Modeling the structure-property relationships of nanoneedles: A journey toward nanomedicine. <i>Journal of Computational Chemistry</i> , 2009, 30, 275-284.	3.3	76
1037	A Miniature Glucose/O ₂ Biofuel Cell With a High Tolerance Against Ascorbic Acid. <i>Fuel Cells</i> , 2009, 9, 85-91.	2.4	56
1038	In situ Preparation of Polyimide Composites Based on Functionalized Carbon Nanotubes. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 96-102.	3.6	37
1039	Polymer Brushes by Nitroxide-Mediated Polymerization. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1043-1057.	3.9	117
1040	Comparison of Covalently and Noncovalently Functionalized Carbon Nanotubes in Epoxy. <i>Macromolecular Rapid Communications</i> , 2009, 30, 627-632.	3.9	69
1041	pH Tailoring Electrical and Mechanical Behavior of Polymer-Clay-Nanotube Aerogels. <i>Macromolecular Rapid Communications</i> , 2009, 30, 1669-1673.	3.9	36
1043	Selective Synthesis of [12]Cycloparaphenylene. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6112-6116.	13.8	447
1044	The effect of carbon nanotube on the physical properties of poly(butylene terephthalate) nanocomposite by simple melt blending. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2589-2600.	2.6	58
1045	Covalent functionalization of multiwalled carbon nanotubes with polybutadiene. <i>Journal of Applied Polymer Science</i> , 2010, 116, 1272-1277.	2.6	6
1046	Electrochemical oxidation and determination of ceftriaxone on a glassy carbon and carbon-nanotube-modified glassy carbon electrodes. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 407-416.	2.5	60
1047	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. <i>Journal of Solid State Electrochemistry</i> , 2009, 13, 1567-1575.	2.5	24
1048	Carbon-based nanoprobe for cell biology. <i>Microfluidics and Nanofluidics</i> , 2009, 7, 439-450.	2.2	15
1049	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
1050	Surfactant-assisted reflux synthesis, characterization and formation mechanism of carbon nanotube/europium hydroxide core-shell nanowires. <i>Applied Surface Science</i> , 2009, 255, 8270-8275.	6.1	16

#	ARTICLE	IF	CITATIONS
1051	d-Fructose detection based on the direct heterogeneous electron transfer reaction of fructose dehydrogenase adsorbed onto multi-walled carbon nanotubes synthesized on platinum electrode. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1184-1188.	10.1	76
1052	A third-generation hydrogen peroxide biosensor based on horseradish peroxidase immobilized on DNA functionalized carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2009, 25, 896-900.	10.1	42
1053	Fluidized bed catalytic chemical vapor deposition synthesis of carbon nanotubes—A review. <i>Chemical Engineering Journal</i> , 2009, 155, 37-48.	12.7	161
1054	Voltammetric oxidation and determination of cinnarizine at glassy carbon electrode modified with multi-walled carbon nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 72, 259-265.	5.0	43
1055	Processing and characterization of nanostructured Cu-carbon nanotube composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 523, 60-64.	5.6	86
1056	Multi-walled carbon nanotubes (MWCNTs) and room temperature ionic liquids (RTILs) carbon paste Er(III) sensor based on a new derivative of dansyl chloride. <i>Electrochimica Acta</i> , 2009, 55, 234-239.	5.2	57
1057	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
1058	Facile graft polystyrene onto multi-walled carbon nanotubes via <i>in situ</i> thermo-induced radical polymerization. <i>Journal of Nanoparticle Research</i> , 2009, 11, 1011-1016.	1.9	18
1059	Crucial Functionalizations of Carbon Nanotubes for Improved Drug Delivery: A Valuable Option?. <i>Pharmaceutical Research</i> , 2009, 26, 746-769.	3.5	151
1060	Growth of Ag nanocrystals on multiwalled carbon nanotubes and Ag-carbon nanotube interaction. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 3215-3218.	0.9	11
1061	Effect of Growth Temperature on Bamboo-shaped Carbon—Nitrogen (C—N) Nanotubes Synthesized Using Ferrocene Acetonitrile Precursor. <i>Nanoscale Research Letters</i> , 2009, 4, 197-203.	5.7	67
1062	Synthesis of Novel Porphyrin and its Complexes Covalently Linked to Multi-Walled Carbon Nanotubes and Study of their Spectroscopy. <i>Nanoscale Research Letters</i> , 2009, 4, 578-583.	5.7	16
1063	A Two-Step Hydrothermal Synthesis Approach to Monodispersed Colloidal Carbon Spheres. <i>Nanoscale Research Letters</i> , 2009, 4, 971-976.	5.7	78
1064	A Novel Route for Preparation of Hollow Carbon Nanospheres Without Introducing Template. <i>Nanoscale Research Letters</i> , 2009, 4, 1365-1370.	5.7	32
1065	Nanostructured 3-D collagen/nanotube biocomposites for future bone regeneration scaffolds. <i>Nano Research</i> , 2009, 2, 462-473.	10.4	53
1066	Minimizing purification-induced defects in single-walled carbon nanotubes gives films with improved conductivity. <i>Nano Research</i> , 2009, 2, 865.	10.4	13
1067	Preparation of biocompatible multi-walled carbon nanotubes as potential tracers for sentinel lymph nodes. <i>Polymer International</i> , 2010, 59, 169-174.	3.1	2
1068	Synthesis, characterization, and electrochemical properties of imidazole derivatives functionalized single-walled carbon nanotubes. <i>Journal of Physical Organic Chemistry</i> , 2009, 22, 331-336.	1.9	15

#	ARTICLE	IF	CITATIONS
1069	Joining and Interconnect Formation of Nanowires and Carbon Nanotubes for Nanoelectronics and Nanosystems. Small, 2009, 5, 1246-1257.	10.0	102
1070	Synthesis and properties of the amino- functionalized multiple- walled carbon nanotubes/polyimide nanocomposites. Polymer Composites, 2009, 30, 374-380.	4.6	19
1071	Synthesis and properties of water soluble single- walled carbon nanotube graft ionic polyacetylene nanocomposites. Polymer Composites, 2009, 30, 1817-1824.	4.6	16
1072	Influence of modified carbon nanotube on physical properties and crystallization behavior of poly(ethylene terephthalate) nanocomposite. Polymer Composites, 2010, 31, 858-869.	4.6	13
1073	Thermal and mechanical properties of polymer- nanocomposites based on ethylene methyl acrylate and multiwalled carbon nanotube. Polymer Composites, 2010, 31, 1168-1178.	4.6	14
1074	Phase separation of polymer- functionalized SWNTs within a PMMA/polystyrene blend. Journal of Polymer Science Part A, 2009, 47, 450-458.	2.3	14
1075	Carbon nanotubes decorated with terpyridine- ruthenium complexes. Journal of Polymer Science Part A, 2009, 47, 2551-2559.	2.3	20
1076	A non- PFT (polymerization filling technique) approach to poly(ethylene- co- norbornene)/MWNTs nanocomposites by <i>in situ</i> copolymerization with scandium half- sandwich catalyst. Journal of Polymer Science Part A, 2009, 47, 5709-5719.	2.3	16
1077	Nanotubes reveal all in solution. Nature Chemistry, 2009, 1, 182-183.	13.6	13
1078	Electrooptic properties of aqueous suspensions of nanotubes based on magnesium hydrosilicate. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2009, 106, 50-55.	0.6	3
1079	Nucleate boiling heat transfer in aqueous solutions with carbon nanotubes up to critical heat fluxes. International Journal of Multiphase Flow, 2009, 35, 525-532.	3.4	108
1080	Amperometric tyrosinase biosensor based on Fe ₃ O ₄ nanoparticles-coated carbon nanotubes nanocomposite for rapid detection of coliforms. Electrochimica Acta, 2009, 54, 2588-2594.	5.2	102
1081	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
1082	Simultaneous determination of adenine, guanine and thymine based on β -cyclodextrin/MWNTs modified electrode. Journal of Electroanalytical Chemistry, 2009, 632, 149-153.	3.8	128
1083	Oxidative dehydrogenation of 9,10-dihydroanthracene using multi-walled carbon nanotubes. Journal of Molecular Catalysis A, 2009, 302, 119-123.	4.8	36
1084	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
1085	Fabrication of amperometric xanthine biosensors based on direct chemistry of xanthine oxidase. Materials Science and Engineering C, 2009, 29, 2213-2216.	7.3	30
1086	Catalytic decomposition of acetylene over CoFe ₂ O ₄ /BaFe ₁₂ O ₁₉ core shell nanoparticles for the production of carbon nanotubes. Journal of Analytical and Applied Pyrolysis, 2009, 84, 117-123.	5.5	6

#	ARTICLE	IF	CITATIONS
1087	Electrocatalytic oxidation of formic acid and formaldehyde on nanoparticle decorated single walled carbon nanotubes. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 254-262.	9.4	89
1088	Highly dispersed Pt nanoparticles immobilized on 1,4-benzenediamine-modified multi-walled carbon nanotube for methanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 300-303.	9.4	25
1089	Theoretical investigation of [5,5], [9,0] and [10,10] closed SWCNTs. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 1249-1252.	2.7	67
1090	Vibrating carbon nanotube based bio-sensors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 42, 104-109.	2.7	165
1091	Ultrasound assisted twin screw extrusion of polymer/nanocomposites containing carbon nanotubes. <i>Polymer</i> , 2009, 50, 250-260.	3.8	169
1092	Dispersions of carbon nanotubes in sulfonated poly[bis(benzimidazobenzisoquinolinones)] and their proton-conducting composite membranes. <i>Polymer</i> , 2009, 50, 3600-3608.	3.8	28
1093	Fabrication of hybrid nanocomposites with polystyrene and multiwalled carbon nanotubes with well-defined polystyrene via multiple atom transfer radical polymerization. <i>Polymer</i> , 2009, 50, 4488-4495.	3.8	40
1094	The effect of arylferrocene ring substituents on the synthesis of multi-walled carbon nanotubes. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2222-2227.	1.8	10
1095	Solid phase extraction/spectrophotometric determination of salicylic acid using magnetic iron oxide nanoparticles as extractor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 58-63.	2.8	62
1096	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
1097	Incorporation of carbon nanotube into direct-patternable ZnO thin film formed by photochemical solution deposition. <i>Ceramics International</i> , 2009, 35, 131-135.	4.8	10
1098	Surface-enhanced oxidation and detection of Sunset Yellow and Tartrazine using multi-walled carbon nanotubes film-modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 74, 28-31.	5.0	88
1099	The incorporation of single-walled carbon nanotubes into polymerized high internal phase emulsions to create conductive foams with a low percolation threshold. <i>Composites Science and Technology</i> , 2009, 69, 656-662.	7.8	77
1100	Dielectric behavior of polyaniline/CNTs composite in microwave region. <i>Composites Science and Technology</i> , 2009, 69, 1932-1935.	7.8	43
1101	Perovskites with cotton-like morphology consisting of nanoparticles and nanorods: Their synthesis by the combustion method and their NO _x adsorption behavior. <i>Applied Catalysis A: General</i> , 2009, 361, 86-92.	4.3	13
1102	Ethylene glycol reflux synthesis of carbon nanotube/ceria core-shell nanowires. <i>Applied Surface Science</i> , 2009, 255, 5789-5794.	6.1	27
1103	Coating of carbon nanotubes on flexible substrate and its adhesion study. <i>Applied Surface Science</i> , 2009, 255, 7084-7089.	6.1	56
1104	Tracing exciton dynamics in molecular nanotubes with 2D electronic spectroscopy. <i>Chemical Physics Letters</i> , 2009, 469, 130-134.	2.6	36

#	ARTICLE	IF	CITATIONS
1105	First-principles study of the B- or N-doping effects on chemical bonding characteristics between magnesium and single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2009, 469, 145-148.	2.6	13
1106	Interaction of nucleic acid bases with single-walled carbon nanotube. <i>Chemical Physics Letters</i> , 2009, 480, 269-272.	2.6	55
1107	High sensitive simultaneous determination of catechol and hydroquinone at mesoporous carbon CMK-3 electrode in comparison with multi-walled carbon nanotubes and Vulcan XC-72 carbon electrodes. <i>Electrochimica Acta</i> , 2009, 54, 984-988.	5.2	147
1108	Unusual electrochemical response of ZnO nanowires-decorated multiwalled carbon nanotubes. <i>Electrochimica Acta</i> , 2009, 55, 511-515.	5.2	25
1109	Nanostructured materials for electrochemiluminescence (ECL)-based detection methods: Recent advances and future perspectives. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3191-3200.	10.1	321
1110	Evidence of sidewall covalent functionalization of single-walled carbon nanotubes and its advantages for composite processing. <i>Carbon</i> , 2009, 47, 411-419.	10.3	59
1111	Analytical investigation of the composition of plasma-induced functional groups on carbon nanotube sheets. <i>Carbon</i> , 2009, 47, 2174-2185.	10.3	93
1112	Carbon nanotube-based transducers for immunoassays. <i>Carbon</i> , 2009, 47, 2337-2343.	10.3	39
1113	Functionalization of multi-walled carbon nanotubes with furan and maleimide compounds through Diels-Alder cycloaddition. <i>Carbon</i> , 2009, 47, 3041-3049.	10.3	101
1114	The role of molybdenum in Fe-Mo-Al ₂ O ₃ catalyst for synthesis of multiwalled carbon nanotubes from butadiene-1,3. <i>Applied Catalysis A: General</i> , 2009, 363, 86-92.	4.3	18
1115	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
1116	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
1117	Synthesis, characterization and catalytic oxidation properties of multi-wall carbon nanotubes with a covalently attached copper(II) salen complex. <i>Applied Surface Science</i> , 2009, 255, 7610-7617.	6.1	55
1118	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
1119	Chemical functionalization of graphene. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 344205.	1.8	331
1120	Multifunctional Dendrimer-Modified Multiwalled Carbon Nanotubes: Synthesis, Characterization, and In Vitro Cancer Cell Targeting and Imaging. <i>Biomacromolecules</i> , 2009, 10, 1744-1750.	5.4	145
1121	The preferential electrocatalytic behaviour of graphite and multiwalled carbon nanotubes on enediol groups and their analytical implications in real domains. <i>Analyst</i> , 2009, 134, 657.	3.5	49
1122	Interaction of Na, Mg, Al, Si with carbon nanotube (CNT): NMR and IR study. <i>Russian Journal of Inorganic Chemistry</i> , 2009, 54, 1465-1473.	1.3	32

#	ARTICLE	IF	CITATIONS
1123	Electrochemical determination of ferulic acid in Chinese traditional medicine Xiao Yao Pills at electrode modified with carbon nanotube. Russian Journal of Electrochemistry, 2009, 45, 170-174.	0.9	21
1124	Superior Activity of Structurally Deprived Enzyme~Carbon Nanotube Hybrids in Cationic Reverse Micelles. Langmuir, 2009, 25, 4421-4428.	3.5	63
1125	TRANSPARENT CARBON NANOTUBE/POLY (3, 4~ETHYLENEDIOXYTHIOPHENE) COMPOSITE ELECTRICAL CONDUCTORS. Soft Materials, 2009, 7, 355-365.	1.7	16
1126	Electronic and Structural Factors in Modification and Functionalization of Clean and Passivated Semiconductor Surfaces with Aromatic Systems. Chemical Reviews, 2009, 109, 3991-4024.	47.7	84
1127	Carbon Nanotube~MoS₂ Composites as Solid Lubricants. ACS Applied Materials & Interfaces, 2009, 1, 735-739.	8.0	128
1128	Synthesis and Characterization of PMMA/MWNT Nanocomposites Prepared by in Situ Polymerization with Ni(acac) ₂ Catalyst. Macromolecules, 2009, 42, 8649-8654.	4.8	34
1129	Double-Wall Anodic Titania Nanotube Arrays for Water Photooxidation. Langmuir, 2009, 25, 8240-8247.	3.5	90
1130	Fabrication of SWNT/Silica Composites by the Sol~Gel Process. ACS Applied Materials & Interfaces, 2009, 1, 181-186.	8.0	30
1131	Optoelectronic Photoinduced Charge Transfer System with 1/4₃PhN-Ru₃ Cluster Functionalized Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 13403-13408.	3.1	6
1132	Carbon Nanotube Based Artificial Water Channel Protein: Membrane Perturbation and Water Transportation. Nano Letters, 2009, 9, 1386-1394.	9.1	104
1133	Ethene Adsorption and Decomposition on the Cu(410) Surface. Journal of Physical Chemistry C, 2009, 113, 20881-20889.	3.1	20
1134	A Simple Method for Preparing Carbon Nanotubes/Clay Hybrids in Water. Journal of Physical Chemistry C, 2009, 113, 8058-8064.	3.1	43
1135	Quantum Mechanical Quantification of Weakly Interacting Complexes of Peptides with Single-Walled Carbon Nanotubes. Journal of Chemical Theory and Computation, 2009, 5, 2879-2885.	5.3	38
1136	Multiwalled Carbon-Nanotube-Embedded Microcapsules and Their Electrochemical Behavior. Journal of Physical Chemistry C, 2009, 113, 3967-3972.	3.1	29
1137	Effect of chemical functionalization of multi-walled carbon nanotubes with 3-aminopropyltriethoxysilane on mechanical and morphological properties of epoxy nanocomposites. Composites Part A: Applied Science and Manufacturing, 2009, 40, 800-809.	7.6	173
1138	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
1139	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
1140	Aqueous suspensions of carbon nanotubes: Surface oxidation, colloidal stability and uranium sorption. Environmental Pollution, 2009, 157, 1088-1094.	7.5	274

#	ARTICLE	IF	CITATIONS
1141	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. <i>Talanta</i> , 2009, 78, 76-80.	5.5	63
1142	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
1143	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
1144	Solid phase extractionâ€“spectrophotometric determination of fluoride in water samples using magnetic iron oxide nanoparticles. <i>Talanta</i> , 2009, 80, 664-669.	5.5	63
1145	Solution-phase synthesis of single-crystalline Fe ₃ O ₄ magnetic nanobelts. <i>Journal of Alloys and Compounds</i> , 2009, 472, 271-275.	5.5	29
1146	Synthesis and characterization of Sm ³⁺ -doped Y(OH) ₃ and Y ₂ O ₃ nanowires and their NO reduction activity. <i>Journal of Alloys and Compounds</i> , 2009, 476, 335-340.	5.5	17
1147	Mechanical properties and microstructures of carbon nanotube-reinforced Al matrix composite fabricated by in situ chemical vapor deposition. <i>Journal of Alloys and Compounds</i> , 2009, 487, 258-262.	5.5	124
1148	Microcapsule carbon nanotube devices for therapeutic applications. <i>Nanotechnology</i> , 2009, 20, 025612.	2.6	18
1149	Nanostructured Pt decorated graphene and multi walled carbon nanotube based room temperature hydrogen gas sensor. <i>Nanoscale</i> , 2009, 1, 382.	5.6	335
1150	The optoelectronic properties of a photosystem Iâ€“carbon nanotube hybrid system. <i>Nanotechnology</i> , 2009, 20, 345701.	2.6	34
1151	JEM Spotlight: Applications of advanced nanomaterials for environmental monitoring. <i>Journal of Environmental Monitoring</i> , 2009, 11, 27-40.	2.1	67
1152	Covalent Layer-by-Layer Functionalization of Multiwalled Carbon Nanotubes by Click Chemistry. <i>Langmuir</i> , 2009, 25, 5814-5824.	3.5	135
1153	Simple co-electrodeposition of functionalized multi-walled carbon nanotubes/chitosan composite coating on mainspring for enhanced modulus of elasticity. <i>Nanotechnology</i> , 2009, 20, 015701.	2.6	9
1154	Rapid, Solventless, Bulk Preparation of Metal Nanoparticle-Decorated Carbon Nanotubes. <i>ACS Nano</i> , 2009, 3, 871-884.	14.6	233
1155	Carbon nanotube arrays and their composites for electrochemical capacitors and lithium-ion batteries. <i>Energy and Environmental Science</i> , 2009, 2, 932.	30.8	239
1156	Hierarchical Al ₂ O ₃ Nanobelts and Nanowires: Morphology Control and Growth Mechanism. <i>Crystal Growth and Design</i> , 2009, 9, 4230-4234.	3.0	33
1157	Single-Walled Carbon Nanotube Materials as ¹⁹ F-Weighted MRI Contrast Agents. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19369-19372.	3.1	56
1158	Review on carbon-derived, solid-state, micro and nano sensors for electrochemical sensing applications. <i>Diamond and Related Materials</i> , 2009, 18, 1401-1420.	3.9	212

#	ARTICLE	IF	CITATIONS
1159	Functional DNA directed assembly of nanomaterials for biosensing. Journal of Materials Chemistry, 2009, 19, 1788.	6.7	129
1160	Nanocapsules based on carbon nanotubes- <i>graft</i> -polyglycerol hybrid materials. Nanotechnology, 2009, 20, 485603.	2.6	26
1161	Inverse Gas Chromatography of As-Received and Modified Carbon Nanotubes. Langmuir, 2009, 25, 8340-8348.	3.5	52
1162	Carbon Nanotubes: Synthesis, Properties, and Applications. Particulate Science and Technology, 2009, 27, 107-125.	2.1	118
1163	Cobalt nanofibers encapsulated in a graphite shell by an electrospinning process. Journal of Materials Chemistry, 2009, 19, 7371.	6.7	120
1164	Production of Smooth and Pure Nickel Metal Nanofibers by the Electrospinning Technique: Nanofibers Possess Splendid Magnetic Properties. Journal of Physical Chemistry C, 2009, 113, 531-536.	3.1	141
1165	Ultrasound-assisted synthesis of carbon materials. Physical Chemistry Chemical Physics, 2009, 11, 4930.	2.8	63
1166	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
1167	Carbon Nanotube-Reinforced Thermotropic Liquid Crystal Polymer Nanocomposites. Materials, 2009, 2, 1955-1974.	2.9	52
1168	The synthesis of high coercivity cobalt-in-carbon nanotube hybrid structures and their optical limiting properties. Nanotechnology, 2009, 20, 285702.	2.6	33
1169	The effect of preparation conditions and biopolymer dispersants on the properties of SWNT buckypapers. Journal of Materials Chemistry, 2009, 19, 9131.	6.7	45
1170	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
1171	Effects of nitrogen-doping on the microstructure, bonding and electrochemical activity of carbon nanotubes. Diamond and Related Materials, 2009, 18, 433-437.	3.9	42
1172	Carbon nanotubes and nanotube composites for nonlinear optical devices. Journal of Materials Chemistry, 2009, 19, 7425.	6.7	217
1173	Ionically Self-Assembled Polyelectrolyte-Based Carbon Nanotube Fibers. Chemistry of Materials, 2009, 21, 3062-3071.	6.7	32
1174	Carbon nanotube labeled immunosensor for lateral flow diagnostics. , 2009, , .		0
1175	Tailoring carbon nanotube surfaces with glyconanorings: new bionanomaterials with specific lectin affinity. Chemical Communications, 2009, , 4121.	4.1	43
1176	Polymer grafted Janus multi-walled carbon nanotubes. Soft Matter, 2009, 5, 4272.	2.7	40

#	ARTICLE	IF	CITATIONS
1177	Photoinduced electron transfer of nanohybrids of carbon nanohorns with amino groups and tetrabenzoic acid porphyrin in aqueous media. <i>New Journal of Chemistry</i> , 2009, 33, 2261.	2.8	20
1178	Inorganic and hybrid nanostructures for optical limiting. <i>Journal of Optics</i> , 2009, 11, 024001.	1.5	178
1179	Simple Phenomenological Model for Phase Transitions in Confined Geometry. 2. Capillary Condensation/Evaporation in Cylindrical Mesopores. <i>Langmuir</i> , 2009, 25, 1393-1402.	3.5	62
1180	General Layer-By-Layer Approach To Composite Nanotubes and Their Enhanced Lithium-Storage and Gas-Sensing Properties. <i>Chemistry of Materials</i> , 2009, 21, 5264-5271.	6.7	35
1181	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
1182	Nonlinear optical properties of graphene oxide in nanosecond and picosecond regimes. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	304
1183	Electrochemical sensing of bovine serum albumin at self-assembled SWCNTs on gold. <i>Diamond and Related Materials</i> , 2009, 18, 516-519.	3.9	13
1185	Helical Polyacetylene: Asymmetric Polymerization in a Chiral Liquid-Crystal Field. <i>Chemical Reviews</i> , 2009, 109, 5354-5401.	47.7	354
1186	Advantages and risk related with carbon nanomaterials (CNMs) application for water remediation. Mini review. <i>Annales Universitatis Mariae Curie-Sklodowska Sectio AA "Chemia"</i> , 2009, 64, .	0.2	0
1187	Aligned Coaxial Nanowires of Carbon Nanotubes Partially Sheathed with Polyaniline for Chemical Sensors. <i>Chemistry Letters</i> , 2009, 38, 380-381.	1.3	1
1188	Reductive Alkylation and Arylation of Single-walled Carbon Nanotubes in Ethylenediamine via Benkeser Reaction. <i>Chemistry Letters</i> , 2009, 38, 220-221.	1.3	10
1189	Structure of Adsorbents, Ion Exchangers, Ion Conductors, Catalysts, and Permeable Materials. , 2009, , 63-102.		0
1190	Synthesis Methods of Catalyst Adsorbents, Ion Exchangers, and Permeable Materials. , 2009, , 103-135.		0
1192	Mass Nature of Heat and Its Applications II: Non-Fourier Heat Conduction in Carbon Nanotubes. , 2010, , .		0
1193	Characterization of multi-walled carbon nanotubes (MWNTs) synthesized by CCVD using zeolite template from acetylene. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 983-988.	1.1	5
1195	Prussian Blue Electrodeposited on Nano Ag-coated Multiwalled Carbon Nanotubes Composite for the Determination of Hydrogen Peroxide. <i>Analytical Sciences</i> , 2010, 26, 343-347.	1.6	11
1197	Effect of Surface-oxidized Structure of Single-walled Carbon Nanotubes on Heterogeneous Direct Electron-transfer Reaction of Cytochrome <i>c</i> . <i>Chemistry Letters</i> , 2010, 39, 976-977.	1.3	6
1198	Cyclic voltammetric investigation of Eu ³⁺ on a MWCNTs/SDS-modified glassy carbon (GC) electrode. <i>Russian Journal of Electrochemistry</i> , 2010, 46, 180-187.	0.9	5

#	ARTICLE	IF	CITATIONS
1199	Nanomaterials for in situ cell delivery and tissue regeneration [†] . <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 731-740.	13.7	103
1200	Molecular diagnostic and drug delivery agents based on aptamer-nanomaterial conjugates. <i>Advanced Drug Delivery Reviews</i> , 2010, 62, 592-605.	13.7	268
1201	Novel properties of graphene nanoribbons: a review. <i>Journal of Materials Chemistry</i> , 2010, 20, 8207.	6.7	369
1202	Synthesis and Electrophoretic Deposition of Single-Walled Carbon Nanotube Complexes with a Conjugated Polyelectrolyte. <i>Chemistry of Materials</i> , 2010, 22, 2741-2749.	6.7	39
1203	Molecular simulation of zinc oxide nanostructures confined in carbon nanotubes. <i>Molecular Simulation</i> , 2010, 36, 1045-1058.	2.0	4
1204	Recent advances of capillary electrophoresis in pharmaceutical analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 29-52.	3.7	140
1205	The poly(urethane-ionic liquid)/multi-walled carbon nanotubes composites. <i>Composites Science and Technology</i> , 2010, 70, 1697-1703.	7.8	36
1206	Theoretical study of structure and non-linear optical properties of Zn(II) porphyrin adsorbed on carbon nanotubes. <i>Computational and Theoretical Chemistry</i> , 2010, 959, 92-100.	1.5	15
1207	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
1208	Voltammetric monitoring photodegradation of EDTA based on carbon nanotubes-modified electrode. <i>Journal of Hazardous Materials</i> , 2010, 181, 742-746.	12.4	11
1209	Preparation and properties of functionalized multiwalled carbon nanotubes/polypropylene nanocomposite bipolar plates for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 263-270.	7.8	56
1210	Toxicity issues in the application of carbon nanotubes to biological systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 245-256.	3.3	481
1211	Effects of a bent structure on the linear viscoelastic response of diluted carbon nanotube suspensions. <i>Rheologica Acta</i> , 2010, 49, 1141-1155.	2.4	20
1212	Average local ionization energy: A review. <i>Journal of Molecular Modeling</i> , 2010, 16, 1731-1742.	1.8	328
1213	A novel one-step electrochemical codeposition of carbon nanotubes-DNA hybrids and tiron doped polypyrrole for selective and sensitive determination of dopamine. <i>Mikrochimica Acta</i> , 2010, 171, 109-116.	5.0	22
1214	Composites of polyvinyl alcohol and carbon nanotubes decorated with silver nanoparticles. <i>Fibers and Polymers</i> , 2010, 11, 1132-1136.	2.1	21
1215	Voltammetric determination of theophylline at a Nafion/multi-wall carbon nanotubes composite film-modified glassy carbon electrode. <i>Journal of Chemical Sciences</i> , 2010, 122, 919-926.	1.5	33
1216	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

#	ARTICLE	IF	CITATIONS
1217	Synthesis of vanadium oxide nanotubes via an ultrasonic method. Journal of Sol-Gel Science and Technology, 2010, 56, 327-332.	2.4	11
1218	Remarkable diversity of carbon-carbon bonds: structures and properties of fullerenes, carbon nanotubes, and graphene. Structural Chemistry, 2010, 21, 1155-1169.	2.0	136
1219	Preparation of carbon nanotubes by pyrolysis of dimethyl sulfide. Materials Characterization, 2010, 61, 427-432.	4.4	13
1220	A novel non-catalytic approach for fabrication of bamboo-like carbon nanotubes. Materials Letters, 2010, 64, 86-88.	2.6	7
1221	Fabrication, Characterization and Electrocatalysis of an Ordered Carbon Nanotube Electrode. Chinese Journal of Chemistry, 2003, 21, 665-669.	4.9	5
1222	Direct Electron Transfer between Glucose Oxidase and Multi-walled Carbon Nanotubes. Chinese Journal of Chemistry, 2003, 21, 1088-1091.	4.9	14
1223	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
1224	Interaction of Aromatic Derivatives with Single-Walled Carbon Nanotubes. ChemPhysChem, 2010, 11, 3439-3446.	2.1	5
1225	One-Step Hydrothermal Synthesis of Nitrogen-Doped Nanocarbons: Albumine Directing the Carbonization of Glucose. ChemSusChem, 2010, 3, 246-253.	6.8	124
1226	One- and Two-Dimensional Inorganic Crystals inside Inorganic Nanotubes. European Journal of Inorganic Chemistry, 2010, 2010, 4233-4243.	2.0	14
1227	Synthesis of MnO ₂ /MWNTs Nanocomposites Using a Sonochemical Method and Application for Hydrazine Detection. Electroanalysis, 2010, 22, 1123-1129.	2.9	25
1228	A Reusable Interface Constructed by 3-Aminophenylboronic Acid-Functionalized Multiwalled Carbon Nanotubes for Cell Capture, Release, and Cytosensing. Advanced Functional Materials, 2010, 20, 992-999.	14.9	83
1229	Vertically Aligned Single-Walled Carbon Nanotubes by Chemical Assembly - Methodology, Properties, and Applications. Advanced Materials, 2010, 22, 1430-1449.	21.0	84
1230	Synthetic Methodologies for Carbon Nanomaterials. Advanced Materials, 2010, 22, 1963-1966.	21.0	50
1231	Electric-Field Enhancement of Photovoltaic Devices: A Third Reason for the Increase in the Efficiency of Photovoltaic Devices by Carbon Nanotubes. Advanced Materials, 2010, 22, 2264-2267.	21.0	18
1233	A Carbon Nanohorn-Porphyrin Supramolecular Assembly for Photoinduced Electron-Transfer Processes. Chemistry - A European Journal, 2010, 16, 10752-10763.	3.3	45
1237	Carbon Nanomaterials in Biosensors: Should You Use Nanotubes or Graphene?. Angewandte Chemie - International Edition, 2010, 49, 2114-2138.	13.8	1,301
1238	Nanostructured Carbonaceous Materials from Molecular Precursors. Angewandte Chemie - International Edition, 2010, 49, 6496-6515.	13.8	144

#	ARTICLE	IF	CITATIONS
1239	A Modular and Size-Selective Synthesis of [n]Cycloparaphenylenes: A Step toward the Selective Synthesis of [n] Single-Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 10202-10205.	13.8	215
1240	Enhancement of dispersion of carbon nanotube and physical properties of poly(styrene-co-acrylonitrile)/multiwalled carbon nanotube nanocomposite via surface initiated ATRP. <i>Journal of Applied Polymer Science</i> , 2010, 116, 2930-2936.	2.6	3
1241	Preparation and properties of the single-walled carbon nanotube/cellulose nanocomposites using N-methylmorpholine-N-oxide monohydrate. <i>Journal of Applied Polymer Science</i> , 2010, 117, 3588-3594.	2.6	16
1242	Synthesis and identification of organosoluble polyamides bearing a triaryl imidazole pendent: Thermal, photophysical, chemiluminescent, and electrochemical characterization with a modified carbon nanotube electrode. <i>Reactive and Functional Polymers</i> , 2010, 70, 306-313.	4.1	52
1243	Modified multiwall carbon nanotubes paste electrode as a sensor for simultaneous determination of 6-thioguanine and folic acid using ferrocenedicarboxylic acid as a mediator. <i>Journal of Electroanalytical Chemistry</i> , 2010, 640, 75-83.	3.8	282
1244	Selective determination of dopamine in the presence of ascorbic acid at a multi-wall carbon nanotube-poly(3,5-dihydroxy benzoic acid) film modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2010, 642, 30-34.	3.8	38
1245	Carbon nanotube toughened aluminium oxide nanocomposite. <i>Journal of the European Ceramic Society</i> , 2010, 30, 865-873.	5.7	187
1246	Determination of Pb ²⁺ ions by a modified carbon paste electrode based on multi-walled carbon nanotubes (MWCNTs) and nanosilica. <i>Journal of Hazardous Materials</i> , 2010, 173, 415-419.	12.4	151
1247	Multi-walled carbon nanotubes-ionic liquid-carbon paste electrode as a super selectivity sensor: Application to potentiometric monitoring of mercury ion(II). <i>Journal of Hazardous Materials</i> , 2010, 183, 402-409.	12.4	691
1248	Characterization and photodegradation characteristics of organic dye for Pt-titania combined multi-walled carbon nanotube composite catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 321-326.	5.8	59
1249	Electrogenerated chemiluminescence of luminol at a carbon nanotube-perfluorosulfonate polymer (Nafion) modified gold electrode. <i>Journal of Luminescence</i> , 2010, 130, 1539-1545.	3.1	19
1250	Alcohol sensors based on SWNT as chemical sensors: Monte Carlo and Langevin dynamics simulation. <i>Microelectronics Journal</i> , 2010, 41, 142-149.	2.0	31
1251	Ho ³⁺ carbon paste sensor based on multi-walled carbon nanotubes: Applied for determination of holmium content in biological and environmental samples. <i>Materials Science and Engineering C</i> , 2010, 30, 555-560.	7.3	51
1252	Characterization of melt flow instabilities in polyethylene/carbon nanotube composites. <i>Polymer</i> , 2010, 51, 3753-3761.	3.8	40
1253	Heat flow choking in carbon nanotubes. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 1796-1800.	4.8	34
1254	Enhancement of hydrogen gas permeability in electrically aligned MWCNT-PMMA composite membranes. <i>Micron</i> , 2010, 41, 909-914.	2.2	57
1255	Fabrication and characterization of three-dimensional nanofiber membrane of PCL-MWCNTs by electrospinning. <i>Materials Science and Engineering C</i> , 2010, 30, 1014-1021.	7.3	198
1256	A carbon nanotubes based ATP apta-sensing platform and its application in cellular assay. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1897-1901.	10.1	70

#	ARTICLE	IF	CITATIONS
1257	Functionalization of carbon nanotubes with biodegradable supramolecular polypseudorotaxanes from grafted-poly(μ -caprolactone) and β -cyclodextrins. <i>European Polymer Journal</i> , 2010, 46, 145-155.	5.4	31
1258	Amino-functionalized carbon nanotubes as nucleophilic scavengers in solution phase combinatorial synthesis. <i>Tetrahedron Letters</i> , 2010, 51, 1434-1436.	1.4	20
1259	Sensitive fluorescent sensing for DNA assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 980-1003.	11.4	24
1260	Carbon nanotubes α -chitosan nanobiocomposite for immunosensor. <i>Thin Solid Films</i> , 2010, 519, 1160-1166.	1.8	39
1261	One-step synthesis of multiwalled carbon nanotubes-gold nanocomposites for fabricating amperometric acetylcholinesterase biosensor. <i>Sensors and Actuators B: Chemical</i> , 2010, 143, 524-529.	7.8	102
1262	Sensitive acetylcholinesterase biosensor based on assembly of β -cyclodextrins onto multiwall carbon nanotubes for detection of organophosphates pesticide. <i>Sensors and Actuators B: Chemical</i> , 2010, 146, 337-341.	7.8	87
1263	Trace determination of molybdenum by anodic adsorptive stripping voltammetry using a multi-walled carbon nanotubes modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2010, 148, 214-220.	7.8	18
1264	One-pot synthesis of one-dimensional array Pt nanoparticles on carbon nanotubes via a facile microwave polyol method. <i>Superlattices and Microstructures</i> , 2010, 47, 705-709.	3.1	9
1265	Solid-state electrochemiluminescence analysis with coreactant of the immobilized tris(2,2'-bipyridyl) ruthenium. <i>Analytical Biochemistry</i> , 2010, 402, 1-12.	2.4	24
1266	Amperometric immunosensor based on multiwalled carbon nanotubes/Prussian blue/nanogold-modified electrode for determination of β -fetoprotein. <i>Analytical Biochemistry</i> , 2010, 407, 65-71.	2.4	59
1267	A facile, green, and tunable method to functionalize carbon nanotubes with water-soluble azo initiators by one-step free radical addition. <i>Applied Surface Science</i> , 2010, 256, 3286-3292.	6.1	50
1268	Pyridine-thermal synthesis and high catalytic activity of CeO ₂ /CuO/CNT nanocomposites. <i>Applied Surface Science</i> , 2010, 256, 6795-6800.	6.1	45
1269	Direct electron transfer and electrocatalysis of hemoglobin in ZnO coated multiwalled carbon nanotubes and Nafion composite matrix. <i>Bioelectrochemistry</i> , 2010, 78, 106-112.	4.6	80
1270	The functionalization of multi-walled carbon nanotubes by in situ deposition of hydroxyapatite. <i>Biomaterials</i> , 2010, 31, 5182-5190.	11.4	83
1271	High surface-to-volume hybrid platelet reactor filled with catalytically grown vertically aligned carbon nanotubes. <i>Catalysis Today</i> , 2010, 150, 133-139.	4.4	12
1272	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
1273	Multi-walled carbon nanotubes reinforced Al ₂ O ₃ nanocomposites: Mechanical properties and interfacial investigations. <i>Composites Science and Technology</i> , 2010, 70, 1199-1206.	7.8	153
1274	Nanotechnology in concrete α A review. <i>Construction and Building Materials</i> , 2010, 24, 2060-2071.	7.2	1,378

#	ARTICLE	IF	CITATIONS
1275	A selective nitric oxide nanocomposite biosensor based on direct electron transfer of microperoxidase: Removal of interferences by co-immobilized enzymes. Biosensors and Bioelectronics, 2010, 26, 1080-1086.	10.1	50
1276	Selective-combustion purification of bulk carbonaceous solids to produce graphitic nanostructures. Carbon, 2010, 48, 501-508.	10.3	26
1277	Importance of Cr ₂ O ₃ layer for growth of carbon nanotubes on superalloys. Carbon, 2010, 48, 844-853.	10.3	11
1278	Charge-induced asymmetrical displacement of an aligned carbon nanotube buckypaper actuator. Carbon, 2010, 48, 1064-1069.	10.3	61
1279	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
1280	An easy method for the production of functional polypyrrole/MWCNT and polycarbazole/MWCNT composites using nucleophilic multi-walled carbon nanotubes. Carbon, 2010, 48, 4170-4177.	10.3	18
1281	Novel diblock copolymer-grafted multiwalled carbon nanotubes via a combination of living and controlled/living surface polymerizations. Journal of Polymer Science Part A, 2010, 48, 1104-1112.	2.3	22
1282	Synthesis and electrical properties of polyaniline/polyaniline grafted multiwalled carbon nanotube mixture via <i>in situ</i> static interfacial polymerization. Journal of Polymer Science Part A, 2010, 48, 1962-1972.	2.3	32
1283	The effect of different treatment methods of multiwalled carbon nanotubes on thermal and flexural properties of their epoxy nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1175-1184.	2.1	15
1284	Selective enhanced electrochemical response of DNA bases on carbon nanotube-gold nanocomposites modified gold electrode. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2263-2268.	1.8	4
1285	Structural Units and Their Periodicity in Carbon Nanotubes. Small, 2010, 6, 2526-2529.	10.0	4
1286	Heparin-based nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2010, 2, 77-87.	6.1	105
1288	Theoretical Studies of Substitutionally Doped Single-Walled Nanotubes. Journal of Nanotechnology, 2010, 2010, 1-42.	3.4	12
1289	Electrochemical behavior of dye-linked L-proline dehydrogenase on glassy carbon electrodes modified by multi-walled carbon nanotubes. Beilstein Journal of Nanotechnology, 2010, 1, 135-141.	2.8	9
1290	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
1291	Carbon Nanopipettes for Cell Surgery. Journal of the Association for Laboratory Automation, 2010, 15, 145-151.	2.8	2
1292	First-principles investigations of the magnetic properties of graphite boron nitride sheet induced by Fe doping. Journal of Physics Condensed Matter, 2010, 22, 205501.	1.8	3
1293	GPTS functionalized carbon nanotubes integrated with PZT sensors for detection of anti-goat IgG. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
1294	Charge transport properties of water dispersible multiwall carbon nanotube-polyaniline composites. Journal of Applied Physics, 2010, 107, 103719.	2.5	32
1295	Improved carbon nanotube supported Pt nanocatalysts with lyophilization method. , 2010, , .		0
1296	4-(N-pyridin-2-yl-benzamide nanotubes compatible with mouse stem cell and oral delivery in <i>Drosophila</i> . Nanotechnology, 2010, 21, 155102.	2.6	13
1297	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
1298	Microstructure and Properties of Polypropylene/Carbon Nanotube Nanocomposites. Materials, 2010, 3, 2884-2946.	2.9	229
1299	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
1300	Theoretical Description of Electromagnetic Nonbonded Interactions of Radical, Cationic, and Anionic NH ₂ BHNBH ₂ Inside of the B ₁₈ N ₁₈ Nanoring. Journal of Physical Chemistry C, 2010, 114, 15315-15330.	3.1	59
1301	Electrochemical Nucleation and Growth of Gold Nanoparticles on Single-Walled Carbon Nanotubes: New Mechanistic Insights. Journal of Physical Chemistry C, 2010, 114, 13241-13248.	3.1	77
1302	Study on stable dispersion of functionalized Fe-MWCNTs. Diamond and Related Materials, 2010, 19, 879-884.	3.9	0
1303	Carbon Nanotube-Inorganic Hybrids. Chemical Reviews, 2010, 110, 1348-1385.	47.7	762
1304	Site-selective synthesis of <i>in situ</i> Ni-filled multi-walled carbon nanotubes using Ni(salen) as a catalyst source. Nanotechnology, 2010, 21, 415605.	2.6	22
1305	Quantitative lateral flow immunosensor using carbon nanotubes as label. Analytical Methods, 2010, 2, 1819.	2.7	35
1306	Applications of Carbon Nanomaterials as Electrical Interconnects and Thermal Interface Materials. , 2010, , 87-138.		6
1307	Reinforced Thermoplastic Polyimide with Dispersed Functionalized Single Wall Carbon Nanotubes. ACS Applied Materials & Interfaces, 2010, 2, 669-676.	8.0	54
1308	Carbon Nanotube/Manganese Oxide Ultrathin Film Electrodes for Electrochemical Capacitors. ACS Nano, 2010, 4, 3889-3896.	14.6	686
1309	Noncovalent functionalization of multiwall carbon nanotubes by methylated- β -cyclodextrins modified by a triazole group. Chemical Communications, 2010, 46, 7382.	4.1	21
1310	The effect of surface modifications of carbon nanotubes on the electrical properties of inkjet-printed SWNT/PEDOT-PSS composite line patterns. Nanotechnology, 2010, 21, 385302.	2.6	28
1311	Reactivities of Sites on (5,5) Single-Walled Carbon Nanotubes with and without a Stone-Wales Defect. Journal of Chemical Theory and Computation, 2010, 6, 1351-1357.	5.3	126

#	ARTICLE	IF	CITATIONS
1312	Integration of Carbon Nanotubes to C-MEMS for On-chip Supercapacitors. IEEE Nanotechnology Magazine, 2010, 9, 734-740.	2.0	65
1313	Facile Decoration of Platinum Nanoparticles on Carbon-Nitride Nanotubes via Microwave-Assisted Chemical Reduction and Their Optimization for Field-Emission Application. Journal of Physical Chemistry C, 2010, 114, 5107-5112.	3.1	26
1314	A versatile, solvent-free methodology for the functionalisation of carbon nanotubes. Chemical Science, 2010, 1, 603.	7.4	36
1315	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
1316	Computational methods to predict the reactivity of nanoparticles through structure–property relationships. Expert Opinion on Drug Delivery, 2010, 7, 295-305.	5.0	64
1317	Enhancement of Chlorine Resistance in Carbon Nanotube Based Nanocomposite Reverse Osmosis Membranes. Desalination and Water Treatment, 2010, 15, 198-204.	1.0	67
1318	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
1319	Facile In Situ Synthesis of Multiwall Carbon Nanotube Supported Flowerlike Pt Nanostructures: An Efficient Electrocatalyst for Fuel Cell Application. Journal of Physical Chemistry C, 2010, 114, 10843-10849.	3.1	70
1320	Soluble P3HT-Grafted Carbon Nanotubes: Synthesis and Photovoltaic Application. Macromolecules, 2010, 43, 6699-6705.	4.8	98
1321	Fast Digestion Procedure for Determination of Catalyst Residues in La- and Ni-Based Carbon Nanotubes. Analytical Chemistry, 2010, 82, 4298-4303.	6.5	30
1322	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
1323	Nanostructured Coral-like Carbon as Pt Support for Fuel Cells. Journal of Physical Chemistry C, 2010, 114, 6976-6982.	3.1	22
1324	Anisotropic Carbon Nanotube Films Fabricated from a Lyotropic Liquid-Crystalline Polymer. Macromolecules, 2010, 43, 5496-5499.	4.8	19
1325	Effect of the Porous Microstructures of Poly(lactic-co-glycolic acid)/Carbon Nanotube Composites on the Growth of Fibroblast Cells. Soft Materials, 2010, 8, 239-253.	1.7	37
1326	Electro-active Shape Memory Properties of Poly(μ -caprolactone)/Functionalized Multiwalled Carbon Nanotube Nanocomposite. ACS Applied Materials & Interfaces, 2010, 2, 3506-3514.	8.0	142
1327	Functionalization of carbon nanotubes and other nanocarbons by azide chemistry. Nano-Micro Letters, 2010, 2, 213-226.	27.0	56
1328	Stability of nanoparticles in water. Nanomedicine, 2010, 5, 985-998.	3.3	72
1329	Carbon nanotubes: promising agents against free radicals. Nanoscale, 2010, 2, 373.	5.6	133

#	ARTICLE	IF	CITATIONS
1330	Effects of single wall carbon nanotubes and its functionalization with sodium hyaluronate on bone repair. Life Sciences, 2010, 87, 215-222.	4.3	46
1331	Non-isothermal crystallization of poly(μ -caprolactone)-grafted multi-walled carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1524-1530.	7.6	41
1332	Silicon π -carbon vs. carbon nanotubes at DFT: Aromaticity, polarizability, and structural network(s) at various lengths and widths. Computational Materials Science, 2010, 48, 144-149.	3.0	6
1333	Effect of defect and C60s density variation on tensile and compressive properties of peapod. Computational Materials Science, 2010, 50, 586-594.	3.0	12
1334	Electrospun poly(vinyl alcohol) nanofibers incorporating PEGylated multi-wall carbon nanotube. Synthetic Metals, 2010, 160, 1410-1414.	3.9	21
1335	Selective detection of dopamine in the presence of ascorbic acid using carbon nanotube modified screen-printed electrodes. Talanta, 2010, 80, 2149-2156.	5.5	63
1336	Can nitrones functionalize carbon nanotubes?. Chemical Communications, 2010, 46, 252-254.	4.1	28
1337	Carbon Nanostructure-Based Field-Effect Transistors for Label-Free Chemical/Biological Sensors. Sensors, 2010, 10, 5133-5159.	3.8	145
1338	Chemistry of carbon nanotubes in biomedical applications. Journal of Materials Chemistry, 2010, 20, 1036-1052.	6.7	235
1339	A theoretical investigation of the mechanical stability of single-walled carbon nanotube 3-D junctions. Carbon, 2010, 48, 1626-1635.	10.3	38
1340	Amperometric immunosensor for ricin by using on graphite and carbon nanotube paste electrodes. Talanta, 2010, 81, 703-708.	5.5	38
1341	Dendrimers and nanotubes: a fruitful association. Chemical Society Reviews, 2010, 39, 2034.	38.1	96
1342	Nano-Bio- Electronic, Photonic and MEMS Packaging. , 2010, , .		38
1343	Control of Optical Limiting of Carbon Nanotube Dispersions by Changing Solvent Parameters. Journal of Physical Chemistry C, 2010, 114, 6148-6156.	3.1	42
1344	PET-SWNT Nanocomposite Fibers through Melt Spinning. International Journal of Polymeric Materials and Polymeric Biomaterials, 2010, 59, 438-449.	3.4	30
1345	Vibrational properties and Raman spectra of single-wall carbon nanotubes with divacancy. Journal of Applied Physics, 2010, 107, .	2.5	4
1346	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
1347	Thermal and Tensile Properties of Epoxy Nanocomposites Reinforced by Silane-functionalized Multiwalled Carbon Nanotubes. Journal of Macromolecular Science - Physics, 2010, 49, 132-142.	1.0	10

#	ARTICLE	IF	CITATIONS
1348	Affinity of C ₆₀ Neat Fullerenes with Membrane Proteins: A Computational Study on Potassium Channels. ACS Nano, 2010, 4, 4158-4164.	14.6	63
1349	Recyclable and electrically conducting carbon nanotube composite films. Nanoscale, 2010, 2, 418-422.	5.6	17
1350	SPR imaging study of DNA wrapped single wall carbon nanotube (ssDNA-SWCNT) adsorption on a model biological (collagen) substrate. Soft Matter, 2010, 6, 5581.	2.7	9
1351	Surface Modification of Carbon Nanotube by Poly(ethylene glycol) for the Preparation of Poly(vinyl Tj ETQq1 1 0.784314 rgBT /Overlaid	2.2	7
1352	Synthesis of Single Crystalline Tin Nanorods and Their Application as Nanosoldering Materials. Journal of Physical Chemistry C, 2010, 114, 21938-21942.	3.1	22
1353	Bulk nickelâ€“carbon nanotube nanocomposites by laser deposition. Materials Science and Technology, 2010, 26, 1393-1400.	1.6	16
1354	Acute pulmonary response of mice to multi-wall carbon nanotubes. Inhalation Toxicology, 2010, 22, 340-347.	1.6	69
1355	Superior SWNT dispersion by amino acid based amphiphiles: designing biocompatible cationic nanohybrids. Chemical Communications, 2010, 46, 8386.	4.1	24
1356	Electrochemical properties of composites containing small carbon nano-onions and solid polyelectrolytes. Journal of Materials Chemistry, 2010, 20, 7761.	6.7	53
1357	One-step electrochemical deposition of Prussian Blueâ€“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
1358	Polypropylene nanocomposites based on C60-decorated carbon nanotubes: thermal properties, flammability, and mechanical properties. Journal of Materials Chemistry, 2011, 21, 7782.	6.7	80
1359	Single-walled carbon nanotubes shell decorating porous silicate materials: A general platform for studying the interaction of carbon nanotubes with photoactive molecules. Chemical Science, 2011, 2, 1682.	7.4	10
1360	Functionalization of Carboxylated Multi-Walled Carbon Nanotubes With 1, 4-Phenylendiamine, Phenylisocyanate and Phenylisothiocyanate. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 753-760.	2.1	18
1361	Magnetic carbon nanotubes: a new tool for shepherding mesenchymal stem cells by magnetic fields. Nanomedicine, 2011, 6, 43-54.	3.3	32
1362	High reaction activity of nitrogen-doped carbon nanotubes toward the electrooxidation of nitric oxide. Chemical Communications, 2011, 47, 7137.	4.1	35
1363	Competitive wetting of acetonitrile and dichloromethane in comparison to that of water on functionalized carbon nanotube surfaces. Physical Chemistry Chemical Physics, 2011, 13, 14668.	2.8	11
1364	Tuning the energy barrier of water exchange reactions on Al(iii) by interaction with the single-walled carbon nanotubes. Dalton Transactions, 2011, 40, 4183.	3.3	6
1365	Nucleic acid-functionalized nanomaterials for bioimaging applications. Journal of Materials Chemistry, 2011, 21, 16323.	6.7	46

#	ARTICLE	IF	CITATIONS
1366	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
1367	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
1368	Partially unzipped carbon nanotubes as a superior catalyst support for PEM fuel cells. Chemical Communications, 2011, 47, 9429.	4.1	34
1369	Functionalization of carbon nanotubes for polymer nanocomposites. , 2011, , 55-91.		3
1370	Effect of Curvature on the $\hat{I}\pm$ -Helix Breaking Tendency of Carbon Based Nanomaterials. Journal of Physical Chemistry C, 2011, 115, 8886-8892.	3.1	57
1371	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
1372	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
1373	Carbon Nanotubes in Nanocomposites and Hybrids with Hydroxyapatite for Bone Replacements. Journal of Tissue Engineering, 2011, 2011, 674287.	5.5	39
1374	Nitrogen-Promoted Self-Assembly of N-Doped Carbon Nanotubes and Their Intrinsic Catalysis for Oxygen Reduction in Fuel Cells. ACS Nano, 2011, 5, 1677-1684.	14.6	220
1375	DIFFERENT MULTIWALLED CARBON NANOTUBESâ€™ ENZYME SYSTEM AND ENZYMATIC ACTIVITY. Preparative Biochemistry and Biotechnology, 2011, 41, 243-251.	1.9	3
1376	Dispersion of single-walled carbon nanotubes with poly(pyridinium salt)s. Polymer Chemistry, 2011, 2, 1953.	3.9	15
1378	Carbon nanotube wires and cables: Near-term applications and future perspectives. Nanoscale, 2011, 3, 4542.	5.6	139
1379	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. Analytical Methods, 2011, 3, 636.	2.7	70
1380	Selective Dispersion of Single-Walled Carbon Nanotubes with Specific Chiral Indices by Poly(<i>N</i> -decyl-2,7-carbazole). Journal of the American Chemical Society, 2011, 133, 652-655.	13.7	135
1381	Carbon Nanotube-Based Sensors: Overview. , 2011, , 519-528.		2
1382	Applications of nanoscale carbon-based materials in heavy metal sensing and detection. Analyst, The, 2011, 136, 4383.	3.5	122
1383	Combined strategy for the dispersion/dissolution of single walled carbon nanotubes and cellulose in water. Journal of Materials Chemistry, 2011, 21, 2054.	6.7	42
1384	Polybenzoxazine-CNT Nanocomposites. , 2011, , 541-554.		1

#	ARTICLE	IF	CITATIONS
1385	Band engineering of oxygen doped single-walled carbon nanotubes. <i>Nanoscale</i> , 2011, 3, 2465.	5.6	19
1386	Construction of Biosensor Based on Glassy Carbon Electrode Modified by Composite Film of Multi-Walled Carbon Nanotubes and Poly(ethylenimine). <i>Materials Science Forum</i> , 0, 675-677, 235-238.	0.3	0
1387	Noncovalent Interactions of Derivatized Pyrenes with Metallic and Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 11010-11015.	3.1	16
1388	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
1389	Synthesis and Characterization of Superfine Nanostructure Manganese Dioxide Spontaneously Coated onto Carbon Nanotubes. <i>Advanced Materials Research</i> , 0, 364, 398-401.	0.3	1
1390	A review of water treatment membrane nanotechnologies. <i>Energy and Environmental Science</i> , 2011, 4, 1946.	30.8	1,714
1391	Methanol Electrooxidation on the Nickel Oxide Nanoparticlesâ•Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode Prepared Using Pulsed Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2011, 158, K225.	2.9	68
1392	Soft matter nanocomposites by grafting a versatile organogelator to carbon nanostructures. <i>Soft Matter</i> , 2011, 7, 10660.	2.7	11
1393	DNA-Conjugated Nanomaterials for Bioanalysis. , 2011, , 105-126.		1
1394	Polymeric Bionanocomposites as Promising Materials for Controlled Drug Delivery. <i>Advances in Polymer Science</i> , 2011, , 1-18.	0.8	5
1395	Effect of Post Production Processing on Dispersion of Carbon Nanofibers in Water. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 1599-1604.	3.7	1
1396	Multi-wall carbon nanotubes as a sensor and ferrocene dicarboxylic acid as a mediator for voltammetric determination of glutathione in hemolysed erythrocyte. <i>Analytical Methods</i> , 2011, 3, 2637.	2.7	82
1397	NANOSTRUCTURED ELECTRODE MATERIALS FOR LITHIUM BATTERIES. , 2011, , 85-126.		0
1398	V₂O₅-Anchored Carbon Nanotubes for Enhanced Electrochemical Energy Storage. <i>Journal of the American Chemical Society</i> , 2011, 133, 16291-16299.	13.7	890
1399	Open-Ended Aligned Carbon Nanotube Arrays Produced Using CO₂-Assisted Floating-Ferrocene Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2011, 115, 14093-14097.	3.1	20
1400	Enhanced Visible-Light Activity of Titania via Confinement inside Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2011, 133, 14896-14899.	13.7	102
1401	Lewis Acidity of Pt-Doped Buckybowls, Fullerenes, and Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7153-7163.	3.1	8
1402	Wall-Selective Chemical Alteration of Silicon Nanotube Molecular Carriers. <i>Journal of the American Chemical Society</i> , 2011, 133, 1545-1552.	13.7	27

#	ARTICLE	IF	CITATIONS
1403	Nanotechnology in Civil Infrastructure. , 2011, , .		51
1405	Size-dependent properties of amino-functionalized single walled carbon nanotubes. Computational and Theoretical Chemistry, 2011, 967, 231-234.	2.5	13
1406	Graphene-based nanomaterials for energy storage. Energy and Environmental Science, 2011, 4, 668-674.	30.8	1,169
1407	Non-covalent interactions between carbon nanotubes and conjugated polymers. Nanoscale, 2011, 3, 3545.	5.6	115
1408	Recognition Ability of DNA for Carbon Nanotubes Correlates with Their Binding Affinity. Langmuir, 2011, 27, 8282-8293.	3.5	90
1409	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
1410	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
1411	Separated Metallic and Semiconducting Single-Walled Carbon Nanotubes: Opportunities in Transparent Electrodes and Beyond. Langmuir, 2011, 27, 4339-4350.	3.5	48
1412	Synthesis and conductivity measurement of carbon spheres by catalytic CVD using non-magnetic metal complexes. Synthetic Metals, 2011, 161, 1590-1595.	3.9	19
1413	Copper nanoparticles entrapped in SWCNT-PPy nanocomposite on Pt electrode as NOx electrochemical sensor. Talanta, 2011, 85, 964-969.	5.5	12
1414	Single-walled carbon nanotubes based quenching of free FAM-aptamer for selective determination of ochratoxin A. Talanta, 2011, 85, 2517-2521.	5.5	144
1415	Characterization and use of functionalized carbon nanotubes for the adsorption of heavy metal anions. New Carbon Materials, 2011, 26, 57-62.	6.1	57
1416	Copolymer-Controlled Diameter-Selective Dispersion of Semiconducting Single-Walled Carbon Nanotubes. Chemistry of Materials, 2011, 23, 2237-2249.	6.7	62
1417	Nanographite Impurities within Carbon Nanotubes are responsible for their Stable and Sensitive Response Toward Electrochemical Oxidation of Phenols. Journal of Physical Chemistry C, 2011, 115, 5530-5534.	3.1	32
1418	Gold Nanoparticle-Functionalized Carbon Nanotubes for Light-Induced Electron Transfer Process. Journal of Physical Chemistry Letters, 2011, 2, 775-781.	4.6	21
1419	Three-Stage Transformation Pathway from Nanodiamonds to Fullerenes. Journal of Physical Chemistry A, 2011, 115, 8327-8334.	2.5	9
1420	Aggregation behavior of gemini surfactants and their interaction with macromolecules in aqueous solution. Physical Chemistry Chemical Physics, 2011, 13, 1939.	2.8	191
1421	Raman scattering study of iodine intercalated bundles of single-wall carbon nanotubes. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2011, 2, 025006.	1.5	1

#	ARTICLE	IF	CITATIONS
1422	Implantable Electrodes with Carbon Nanotube Coatings. , 0, , .		4
1423	Poly(butylene terephthalate) Nanocomposites Containing Carbon Nanotube. , 0, , .		2
1424	New Materials in Electrochemical Sensors for Pesticides Monitoring. , 2011, , .		1
1426	Progress in Organic Photovoltaic Fibers Research. , 2011, , .		4
1428	Processing Carbon Nanotubes. , 0, , .		2
1429	Defected and Substitutionally Doped Nanotubes: Applications in Biosystems, Sensors, Nanoelectronics, and Catalysis. , 0, , .		2
1430	Surface Modification Approaches for Electrochemical Biosensors. , 2011, , .		11
1432	Skeletal myotube formation enhanced by electrospun polyurethane carbon nanotube scaffolds. International Journal of Nanomedicine, 2011, 6, 2483.	6.7	64
1433	Electrochemical Biosensing with Carbon Nanotubes. , 2011, , .		0
1434	Nanomaterials for biosensing with electrochemiluminescence (ECL) detection. Frontiers in Bioscience - Landmark, 2011, 16, 1084.	3.0	35
1435	Carbon Nanotube-Based Thin Films: Synthesis and Properties. , 0, , .		11
1436	Voltammetric Analysis of Pesticides. , 0, , .		8
1437	Application of Room Temperature Ionic Liquids in Electrochemical Sensors and Biosensors. , 0, , .		20
1438	Carbon-Based Nanomedicine. , 2011, , 1-24.		0
1439	Polystyrene-MWCNT Based Nanocomposite Multifunctional Strain Sensor: Dynamic Monitoring of Civil Engineering Structures. , 2011, , .		1
1440	The production of a multi-walled carbon nanotube/hexamethylene diisocyanate nanocomposite coating on copper by electrophoretic deposition. Surface and Coatings Technology, 2011, 206, 1319-1326.	4.8	29
1441	Analytical and bioanalytical applications of carbon dots. TrAC - Trends in Analytical Chemistry, 2011, 30, 1327-1336.	11.4	546
1442	Thermal interface materials for automotive electronic control unit: Trends, technology and R&D challenges. Microelectronics Reliability, 2011, 51, 2031-2043.	1.7	113

#	ARTICLE	IF	CITATIONS
1443	A simple and rapid method to graft hydroxyapatite on carbon nanotubes. <i>Materials Science and Engineering C</i> , 2011, 31, 1477-1481.	7.3	35
1444	Comparing sensitivities of differently oriented multi-walled carbon nanotubes integrated on silicon wafer for electrochemical biosensors. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 327-333.	7.8	21
1445	Synthesis of MWCNT/nickel glycolate polymer core-shell nanostructures and their nonenzymatic electrocatalytic activity toward glucose. <i>Materials Chemistry and Physics</i> , 2011, 130, 10-13.	4.0	15
1446	Urchin-like self-supported carbon nanotubes with macroscopic shaping and fully accessible surface. <i>Materials Letters</i> , 2011, 65, 2482-2485.	2.6	2
1447	Wettability of carbon nanofiber layers on nickel foils. <i>Journal of Colloid and Interface Science</i> , 2011, 364, 530-538.	9.4	11
1448	Application of multi-walled carbon nanotubes modified carbon ionic liquid electrode for electrocatalytic oxidation of dopamine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 402-406.	5.0	19
1449	Preparation, morphology and properties of acylchloride-grafted multiwall carbon nanotubes/fluorinated polyimide composites. <i>Composites Science and Technology</i> , 2011, 71, 1914-1920.	7.8	21
1450	Fabrication and characterization of Al-matrix composites reinforced with amino-functionalized carbon nanotubes. <i>Composites Science and Technology</i> , 2011, 72, 103-111.	7.8	34
1451	Composite system based on biomolecules-functionalized multiwalled carbon nanotube and ionic liquid: Electrochemistry and electrocatalysis of tryptophane. <i>Electrochimica Acta</i> , 2011, 58, 105-111.	5.2	13
1452	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
1453	Simple detection of nucleic acids with a single-walled carbon-nanotube-based electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2011, 28, 257-262.	10.1	31
1454	Effects of the composition and molecular weight of maleimide polymers on the dispersibility of carbon nanotubes in chloroform. <i>Carbon</i> , 2011, 49, 5185-5195.	10.3	11
1455	Oxovanadium(IV) salophen complex covalently anchored to multi-wall carbon nanotubes (MWNTs) as heterogeneous catalyst for oxidation of cyclooctene. <i>Chemical Engineering Journal</i> , 2011, 173, 651-658.	12.7	35
1456	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
1457	Nanoparticles in Liquid Crystals and Liquid Crystalline Nanoparticles. <i>Topics in Current Chemistry</i> , 2011, 318, 331-393.	4.0	159
1458	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
1459	Debundling, selection and release of SWNTs using fluorene-based photocleavable polymers. <i>Chemical Communications</i> , 2011, 47, 7428.	4.1	43
1460	Nanotoxicology: The Molecular Science Point of View. <i>Chemistry - an Asian Journal</i> , 2011, 6, 340-348.	3.3	67

#	ARTICLE	IF	CITATIONS
1461	Metallic Impurities are Responsible for Electrocatalytic Behavior of Carbon Nanotubes Towards Sulfides. Chemistry - an Asian Journal, 2011, 6, 2304-2307.	3.3	31
1462	Effect of Backbone Chemical Structure of Polymers on Selective (n,m)Single-Walled Carbon Nanotube Recognition/Extraction Behavior. Chemistry - an Asian Journal, 2011, 6, 3281-3285.	3.3	7
1463	Solid-phase extractants for radionuclide preconcentration and separation. New possibilities. Radiochemistry, 2011, 53, 35-43.	0.7	42
1464	Carbon nanotubes: Potential uses in radionuclide concentration. Russian Journal of General Chemistry, 2011, 81, 1972-1979.	0.8	5
1465	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
1466	Adenosine, adenosine monophosphate, and adenosine triphosphate adsorption from aqueous solutions on the surface of multiwall carbon nanotubes. Colloid Journal, 2011, 73, 244-247.	1.3	0
1467	Voltammetric determination of nitrendipine on composite film modified electrode. Journal of Analytical Chemistry, 2011, 66, 969-973.	0.9	2
1468	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
1469	Emerging Applications of Carbon Nanotubes. Chemistry of Materials, 2011, 23, 646-657.	6.7	651
1470	Functionalization of Multiwalled Carbon Nanotubes with Cyclic Nitrones for Materials and Composites: Addressing the Role of CNT Sidewall Defects. Chemistry of Materials, 2011, 23, 1923-1938.	6.7	51
1472	Noncovalent Functionalization of SWNTs with Azobenzene-Containing Polymers: Solubility, Stability, and Enhancement of Photoresponsive Properties. Journal of Physical Chemistry C, 2011, 115, 4533-4539.	3.1	59
1473	Aptamer-conjugated nanomaterials and their applications. Advanced Drug Delivery Reviews, 2011, 63, 1361-1370.	13.7	188
1474	EPR Study of Electronic Structure of $[\text{CoF}_6]^{3-}$ and B18N18 Nano Ring Field Effects on Octahedral Complex. Journal of Cluster Science, 2011, 22, 673-692.	3.3	32
1475	A Cyclic Catalyst Pretreatment in CO ₂ for High Yield Production of Carbon Nanofibers with Narrow Diameter Distribution. Catalysis Letters, 2011, 141, 1621-1624.	2.6	2
1476	Dispersion of multiwalled carbon nanotubes (MWCNTs) by ionic liquid-based Gemini pyrrolidinium surfactants in aqueous solution. Colloid and Polymer Science, 2011, 289, 1815-1819.	2.1	18
1477	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
1478	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
1479	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

#	ARTICLE	IF	CITATIONS
1480	Force fluctuation on pulling a ssDNA from a carbon nanotube. <i>Biomechanics and Modeling in Mechanobiology</i> , 2011, 10, 221-227.	2.8	4
1481	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
1482	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
1483	Study of the surface chemistry and morphology of single walled carbon nanotubeâ€magnetite composites. <i>Journal of Solid State Chemistry</i> , 2011, 184, 655-666.	2.9	6
1484	A novel homogenous detection method based on the self-assembled DNAzyme labeled DNA probes with SWNT conjugates and its application in detecting pathogen. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4596-4600.	10.1	23
1485	Development of conducting polychloroprene rubber using imidazolium based ionic liquid modified multi-walled carbon nanotubes. <i>Composites Science and Technology</i> , 2011, 71, 1441-1449.	7.8	139
1486	Theoretical investigation of encapsulation processes of C60 into single-wall carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1412-1416.	2.1	5
1487	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
1488	Nucleate boiling heat transfer in nanofluids with carbon nanotubes up to critical heat fluxes. <i>Journal of Mechanical Science and Technology</i> , 2011, 25, 2647-2655.	1.5	10
1489	Nitrogen-doped carbon nanotubes as a metal catalyst support. <i>Applied Nanoscience (Switzerland)</i> , 2011, 1, 67-77.	3.1	142
1490	Kinetics studies on the accelerated curing of liquid crystalline epoxy resin/multiwalled carbon nanotube nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011, 49, 301-309.	2.1	23
1491	Preparation and orientation behavior of multiâ€walled carbon nanotubes grafted with a sideâ€chain azobenzene liquid crystalline polymer. <i>Polymer International</i> , 2011, 60, 93-101.	3.1	12
1492	Synthesis and postâ€polymerization modification of maleimideâ€containing polymers by â€thiolâ€eneâ€™ click and Dielsâ€Alder chemistries. <i>Polymer International</i> , 2011, 60, 1149-1157.	3.1	91
1493	Noncovalent modification of carbon nanotubes by conjugated polymer: A theoretical study. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 3897-3903.	2.0	1
1494	Water chain encapsulated in carbon nanotube revealed by density functional theory. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 4465-4471.	2.0	9
1495	Microstructure and incubation processes in composite liquid crystalline material (5CB) filled with multi walled carbon nanotubes. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2011, 42, 5-14.	0.9	31
1496	Tin Dioxide Sensing Layer Grown on Tubular Nanostructures by a Nonâ€Aqueous Atomic Layer Deposition Process. <i>Advanced Functional Materials</i> , 2011, 21, 658-666.	14.9	77
1497	Carbon Fiberâ€Bismaleimide Composites Filled with Nickelâ€Coated Singleâ€Walled Carbon Nanotubes for Lightningâ€Strike Protection. <i>Advanced Functional Materials</i> , 2011, 21, 2527-2533.	14.9	83

#	ARTICLE	IF	CITATIONS
1498	Strategies for Post-Synthesis Alignment and Immobilization of Carbon Nanotubes. <i>Advanced Materials</i> , 2011, 23, 953-970.	21.0	40
1500	Determination of Trace Metals by Anodic Stripping Voltammetry Using a Carbon Nanotube Tower Electrode. <i>Electroanalysis</i> , 2011, 23, 1252-1259.	2.9	78
1501	Graphite Electrode Coated with a 7,16-Dibenzyl-1,4,10,13-tetraoxa-7,16-diazacyclooctadecane-Multiwalled Carbon Nanotube Composite as Sensor For Detection of Samarium. <i>Electroanalysis</i> , 2011, 23, 1531-1535.	2.9	10
1502	Methylene Blue/Multiwall Carbon Nanotube Modified Electrode for the Amperometric Determination of Hydrogen Peroxide. <i>Electroanalysis</i> , 2011, 23, 2290-2296.	2.9	39
1503	Carbon Nanotube Mass Production: Principles and Processes. <i>ChemSusChem</i> , 2011, 4, 864-889.	6.8	329
1504	Synthesis and properties of poly(methyl methacrylate)/carbon nanotube composites covalently integrated through <i>in situ</i> radical polymerization. <i>Journal of Applied Polymer Science</i> , 2011, 119, 452-459.	2.6	9
1505	Multiwalled carbon nanotubes-reinforced poly(hydroxyaminoether) prepared by one pot grafting method. <i>Journal of Applied Polymer Science</i> , 2011, 120, 1758-1766.	2.6	4
1506	Morphology, crystallization, and mechanical properties of poly(ethylene terephthalate)/multiwalled carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2011, 120, 3460-3468.	2.6	20
1507	Determination of tryptophan and kynurenine in human plasma by liquid chromatography-electrochemical detection with multi-wall carbon nanotube-modified glassy carbon electrode. <i>Biomedical Chromatography</i> , 2011, 25, 938-942.	1.7	23
1508	Synthesis and Characterization of Red-Luminescent Graphene Oxide Functionalized with Silica-Coated Eu ³⁺ Complex Nanoparticles. <i>Chemistry - A European Journal</i> , 2011, 17, 7007-7012.	3.3	24
1509	Facile Preparation of Carbon Nanotube/Poly(ethyl 2-cyanoacrylate) Composite Electrode by Water-Vapor-Initiated Polymerization for Enhanced Amperometric Detection. <i>Chemistry - A European Journal</i> , 2011, 17, 12458-12464.	3.3	11
1510	Fluidized bed synthesis of carbon nanotubes - A review. <i>Chemical Engineering Journal</i> , 2011, 171, 841-869.	12.7	112
1511	A highly sensitive nanostructure-based electrochemical sensor for electrocatalytic determination of norepinephrine in the presence of acetaminophen and tryptophan. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2102-2106.	10.1	88
1512	Hybrid carbon nanostructured ensembles as chemiresistive hydrogen gas sensors. <i>Carbon</i> , 2011, 49, 227-236.	10.3	51
1513	Densification kinetics and matrix microstructure of carbon fiber/carbon nanofiber/pyrocarbon composites prepared by electrophoresis and thermal gradient chemical vapor infiltration. <i>Carbon</i> , 2011, 49, 242-248.	10.3	19
1514	Low degree of functionalization of Single-Walled Carbon Nanotubes probed by highly sensitive characterization techniques. <i>Carbon</i> , 2011, 49, 3010-3018.	10.3	13
1515	The method for surface functionalization of single-walled carbon nanotubes with fuming nitric acid. <i>Carbon</i> , 2011, 49, 3851-3856.	10.3	67
1516	The strain sensing and thermal-mechanical behavior of flexible multi-walled carbon nanotube/polystyrene composite films. <i>Carbon</i> , 2011, 49, 3928-3936.	10.3	57

#	ARTICLE	IF	CITATIONS
1517	The formation of electric circuits with carbon nanotubes and copper using tin solder. Carbon, 2011, 49, 4385-4391.	10.3	15
1518	Fermi level dependent optical transition energy in metallic single-walled carbon nanotubes. Carbon, 2011, 49, 4774-4780.	10.3	14
1519	Improvement of interfacial interaction via ATRP in polycarbonate/carbon nanotube nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 375, 55-60.	4.7	21
1520	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
1521	Wet-grinding assisted ultrasonic dispersion of pristine multi-walled carbon nanotubes (MWCNTs) in chitosan solution. Colloids and Surfaces B: Biointerfaces, 2011, 86, 189-197.	5.0	48
1522	In situ synthesis of polyoxadiazoles (POD) and carbon black (CB) as an approach to POD/CB nanocomposites. Composites Part B: Engineering, 2011, 42, 414-420.	12.0	4
1523	Structure–property relationship of SELF-sustained homogeneous ternary nanocomposites: Key issues to evaluate properties of rrP3HT wrapped MWNT dispersed in TPU. Composites Science and Technology, 2011, 71, 397-405.	7.8	12
1524	An amperometric uric acid biosensor based on multiwalled carbon nanotube–gold nanoparticle composite. Analytical Biochemistry, 2011, 413, 97-103.	2.4	112
1525	Nanoparticle-based electrochemical detection in conventional and miniaturized systems and their bioanalytical applications: A review. Analytica Chimica Acta, 2011, 690, 10-25.	5.4	127
1526	Effects on the field emission properties by variation in surface morphology of patterned photosensitive carbon nanotube paste using organic solvent. Applied Surface Science, 2011, 257, 2250-2253.	6.1	8
1527	Fabrication of multiwalled carbon nanotubes in the channels of iron loaded three dimensional mesoporous material by catalytic chemical vapour deposition technique. Applied Surface Science, 2011, 257, 2940-2943.	6.1	4
1528	Simultaneous extraction and determination of lead, cadmium and copper in rice samples by a new pre-concentration technique: Hollow fiber solid phase microextraction combined with differential pulse anodic stripping voltammetry. Electrochimica Acta, 2011, 56, 3139-3146.	5.2	82
1529	A novel nanocomposites sensor for epinephrine detection in the presence of uric acids and ascorbic acids. Electrochimica Acta, 2011, 56, 7261-7266.	5.2	63
1530	Sensitive electrochemical determination of luteolin in peanut hulls using multi-walled carbon nanotubes modified electrode. Food Chemistry, 2011, 127, 694-698.	8.2	41
1531	Dispersion, hybrid interconnection and heat dissipation properties of functionalized carbon nanotubes in epoxy composites for electrically conductive adhesives (ECAs). Microelectronics Reliability, 2011, 51, 812-818.	1.7	32
1532	Catalytic synthesis of a high aspect ratio carbon nanotubes bridging carbon felt composite with improved electrical conductivity and effective surface area. Applied Catalysis A: General, 2011, 392, 238-247.	4.3	14
1533	Pd nanoparticles deposited on poly(lactic acid) grafted carbon nanotubes: Synthesis, characterization and application in Heck–C coupling reaction. Applied Catalysis A: General, 2011, 399, 154-160.	4.3	50
1534	Bucky paper with improved mechanical stability made from vertically aligned carbon nanotubes for desulfurization process. Applied Catalysis A: General, 2011, 400, 230-237.	4.3	17

#	ARTICLE	IF	CITATIONS
1535	The in vitro biomineralization and cytocompatibility of polydopamine coated carbon nanotubes. Applied Surface Science, 2011, 257, 4849-4855.	6.1	69
1536	Organic-inorganic nanotube hybrids: Organosilica-nanotubes containing ethane, ethylene and acetylene groups. Journal of Organometallic Chemistry, 2011, 696, 2910-2917.	1.8	11
1537	Nanostructured membranes and electrodes with sulfonic acid functionalized carbon nanotubes. Journal of Power Sources, 2011, 196, 911-919.	7.8	47
1538	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
1539	Alkali doped polyvinyl alcohol/multi-walled carbon nano-tube electrolyte for direct methanol alkaline fuel cell. Journal of Membrane Science, 2011, 376, 225-232.	8.2	72
1540	Local electronic and electrical properties of functionalized graphene nano flakes. Physica B: Condensed Matter, 2011, 406, 1665-1672.	2.7	5
1541	Comparison of the electrochemical behaviour of buckypaper and polymer-intercalated buckypaper electrodes. Journal of Electroanalytical Chemistry, 2011, 652, 52-59.	3.8	12
1542	Preparation of semiconductor-enriched single-walled carbon nanotube dispersion using a neutral pH water soluble chitosan derivative. Journal of Colloid and Interface Science, 2011, 354, 461-466.	9.4	25
1543	One-dimensional conducting polymer nanocomposites: Synthesis, properties and applications. Progress in Polymer Science, 2011, 36, 671-712.	24.7	568
1544	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
1545	Organic-inorganic nanocomposite polymer electrolyte membranes for fuel cell applications. Progress in Polymer Science, 2011, 36, 945-979.	24.7	515
1546	Zeptogram scale mass sensing using single walled carbon nanotube based biosensors. Sensors and Actuators A: Physical, 2011, 168, 275-280.	4.1	45
1547	Molecular dynamics simulations of the interactions and dispersion of carbon nanotubes in polyethylene oxide/water systems. Polymer, 2011, 52, 288-296.	3.8	30
1548	Nanostructured films and composites from carbon nanotubes dispersed by ABC block terpolymers in selective solvent. Polymer, 2011, 52, 3065-3073.	3.8	14
1549	Effect of Electric Field Alignment of MWCNT in PMMA Matrix for Hydrogen Gas Purification. , 2011, , .		1
1550	Interaction of single-walled carbon nanotubes with poly(propyl ether imine) dendrimers. Journal of Chemical Physics, 2011, 134, 104507.	3.0	20
1552	Preparation of tin oxide/multiwalled carbon nanotube nanocomposites and its application for detection of partial discharge in SF ₆ gas. , 2011, , .		0
1553	The Effect of Deposition Rate on the Morphology of Fe Nanoparticles on Highly Oriented Pyrolytic Graphite, As Studied by X-ray Photoelectron Spectroscopy and Atomic Force Microscopy. Journal of Physical Chemistry C, 2011, 115, 1524-1534.	3.1	1

#	ARTICLE	IF	CITATIONS
1555	Thermo-Responsive Dispersion of Multi-Walled Carbon Nanotubes Modified with Poly(N-Isopropylacrylamide-Co-Acrylic Acid). Advanced Materials Research, 0, 194-196, 722-725.	0.3	0
1556	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
1557	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
1558	Design, fabrication, and evaluation of on-chip micro-supercapacitors. Proceedings of SPIE, 2011, , .	0.8	7
1559	Carbon nanotubes in neural interfacing applications. Journal of Neural Engineering, 2011, 8, 011001.	3.5	93
1560	Fabrication and electrochemical properties of free-standing single-walled carbon nanotube film electrodes. Chinese Physics B, 2011, 20, 028101.	1.4	8
1561	Structure Controlled Synthesis of Vertically Aligned Carbon Nanotubes Using Thermal Chemical Vapor Deposition Process. Journal of Heat Transfer, 2011, 133, .	2.1	15
1563	Next-Generation Nano-based Concrete Construction Products: A Review. , 2011, , 207-223.		36
1564	Recent Biotechnological Applications of Glyco-Nanomaterials. ACS Symposium Series, 2011, , 1-13.	0.5	2
1565	Mechanical Enhancement of Carbon Fiber/Epoxy Composites Based on Carbon Nano Fibers by Using Spraying Methodology. Applied Mechanics and Materials, 2012, 245, 203-208.	0.2	2
1566	Building up Multiwall Carbon Nanotubes Nanostructures inside Millimetric Channels of Ceramic Monoliths. Journal of Nano Research, 2012, 18-19, 271-279.	0.8	1
1567	Novel Platform Development Using an Assembly of Carbon Nanotube, Nanogold and Immobilized RNA Capture Element towards Rapid, Selective Sensing of Bacteria. Sensors, 2012, 12, 8135-8144.	3.8	34
1568	Material Science Chemistry of Electrochemical Microsensors and Applications for Biofilm Research. Key Engineering Materials, 2012, 521, 113-139.	0.4	4
1569	Light-weight nanocomposite materials with enhanced thermal transport properties. Nanotechnology Reviews, 2012, 1, 363-376.	5.8	22
1570	Pseudopolyrotaxane Structure Constructed by Polycaprolactone (PCL) Grafted on Multi-Walled Carbon Nanotubes and β -Cyclodextrins. Advanced Materials Research, 2012, 487, 668-671.	0.3	2
1571	Using Nanoscale Dispersed Particles to Assist in the Retention of Polyphosphinocarboxylic Acid (PPCA) Scale Inhibitor on Rock. , 2012, , .		7
1572	Size effects of carbon nanotubes and graphene on cellular uptake. Europhysics Letters, 2012, 100, 46002.	2.0	7
1573	Effects of Single-Walled Carbon Nanotubes on Fiber Diameter Distribution of Poly (Butylene) Terephthalate. Journal of Polymer Science Part B: Polymer Physics, 2012, 50, 1000-1008.	0.5	1

#	ARTICLE	IF	CITATIONS
1574	Fabrication and characterization of electrospun silver nanofibers with unmatched porosity. , 2012, , .		1
1575	Fabrication of hybrid nanocomposites of poly(acrylic acid)-grafted MWNTs and spherical aggregates of palladium nanoparticles with POSS. Composite Interfaces, 2012, 19, 583-592.	2.3	7
1576	Synthesis and Properties of Polyacrylamide-Based Conducting Gels with Enhanced Mechanical Strength. Journal of Macromolecular Science - Physics, 2012, 51, 2183-2190.	1.0	11
1577	Magnetic and electronic properties of $\hat{1}\pm$ -graphyne nanoribbons. Journal of Chemical Physics, 2012, 136, 244702.	3.0	75
1578	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
1579	Nanomaterial-Based Membranes for Gas Separation and Water Treatment. , 2012, , 662-695.		0
1580	Characterization and Dispersion of Multiwalled Carbon Nanotubes (MWCNTs) in Aqueous Suspensions: Surface Chemistry Aspects. Journal of Dispersion Science and Technology, 2012, 33, 1021-1029.	2.4	14
1581	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
1582	Carbon Nanotube- and Graphene-based Sensors for Environmental Applications. , 2012, , 621-645.		1
1583	Carbon Nanotube and Fullerene Emissions from Spark-Ignited Engines. Aerosol Science and Technology, 2012, 46, 156-164.	3.1	27
1584	Carbon nanotube structure, synthesis, and applications. , 0, , 1-37.		2
1585	Biosensors and Their Principles. , 0, , .		43
1586	Electrochemical Determination of Cadmium and Lead on Pristine Single-walled Carbon Nanotube Electrodes. Analytical Sciences, 2012, 28, 699-704.	1.6	38
1587	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
1588	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
1589	From ZnS nanoparticles, nanobelts, to nanotetrapods: the ethylenediamine modulated anisotropic growth of ZnS nanostructures. Nanoscale, 2012, 4, 2394.	5.6	29
1590	Energy and environmental applications of carbon nanotubes. Environmental Chemistry Letters, 2012, 10, 265-273.	16.2	125
1591	Demonstration of an Acid-Spun Single-Walled Nanotube Fiber Cathode. IEEE Transactions on Plasma Science, 2012, 40, 1871-1877.	1.3	22

#	ARTICLE	IF	CITATIONS
1592	Preparation and Characterization of Carbon Nano@Onion/PEDOT:PSS Composites. ChemPhysChem, 2012, 13, 4134-4141.	2.1	64
1593	Anomalous electrical transport properties of PVA@Ag composite films below room temperature. Polymer Composites, 2012, 33, 1941-1950.	4.6	4
1594	Nanocomposites of Carbon Nanotube (CNTs)/CuO with High Sensitivity to Organic Volatiles at Room Temperature. Procedia Engineering, 2012, 36, 235-245.	1.2	34
1595	Growth of Carbon Nanotubes on Carbon Fiber by Thermal CVD Using Ni Nanoparticles as Catalysts. Procedia Engineering, 2012, 36, 556-561.	1.2	18
1596	Multiwalled Carbon Nanotubes for Amperometric Array-Based Biosensors. BioNanoScience, 2012, 2, 185-195.	3.5	3
1597	Implications of passivated conductive fillers on dielectric behavior of nanocomposites. Macromolecular Research, 2012, 20, 1191-1196.	2.4	2
1598	Carbon nanotube formation using zeolite template and applications. Journal of Advanced Ceramics, 2012, 1, 179-193.	17.4	23
1599	Carbon Nanotubes: Artificial Nanomaterials to Engineer Single Neurons and Neuronal Networks. ACS Chemical Neuroscience, 2012, 3, 611-618.	3.5	103
1600	How long a functionalized carbon nanotube can passively penetrate a lipid membrane. Carbon, 2012, 50, 5301-5308.	10.3	26
1601	Hydrous RuO ₂ @carbon nanofiber electrodes with high mass and electrode-specific capacitance for efficient energy storage. Nanoscale, 2012, 4, 890-896.	5.6	77
1602	Polymer-dispersed MWCNT gel electrolytes for high performance of dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 6982.	6.7	53
1603	Toxicity of nanoparticles. , 2012, , 427-475.		8
1604	Investigation of ultraviolet optical properties of semiconducting-enriched and metal-enriched single-walled carbon nanotube networks using spectroscopic ellipsometry. Nanoscale, 2012, 4, 6532.	5.6	9
1605	Improvement of the mechanical and rheological properties of HDPE/PET/MWCNT nanocomposites. Composite Interfaces, 2012, 19, 71-81.	2.3	3
1606	The striking influence of SWNT@COOH on self-assembled gelation. Chemical Communications, 2012, 48, 1814.	4.1	23
1607	Effect of Iron Concentration on the Growth of Carbon Nanotubes on Clay Surface. ACS Applied Materials & Interfaces, 2012, 4, 1981-1989.	8.0	10
1608	Macroscopic Synthesis of Vertically Aligned Carbon Nanotubes Using Floating Catalyst Chemical Vapor Deposition Method. Japanese Journal of Applied Physics, 2012, 51, 015101.	1.5	1
1609	Positron Annihilation Spectroscopy of Polystyrene Filled with Carbon Nanomaterials. Macromolecules, 2012, 45, 933-940.	4.8	20

#	ARTICLE	IF	CITATIONS
1610	Jungle-Gym Structured Films of Single-Walled Carbon Nanotubes on a Gold Surface: Oxidative Treatment and Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9498-9506.	3.1	25
1611	Covalent Functionalization of Single-Walled Carbon Nanotubes with Thermoresponsive Core Cross-Linked Polymeric Micelles. <i>Macromolecules</i> , 2012, 45, 4698-4706.	4.8	33
1612	Control of the morphology and chemical properties of carbon spheres prepared from glucose by a hydrothermal method. <i>Journal of Materials Research</i> , 2012, 27, 1117-1123.	2.6	95
1613	Nitrogen physisorption and site blocking on single-walled carbon nanotubes. <i>Surface Science</i> , 2012, 606, 293-296.	1.9	2
1614	Electrochemistry of Nucleic Acids. <i>Chemical Reviews</i> , 2012, 112, 3427-3481.	47.7	583
1615	Effect of temperature on morphology, growth and structure of carbon nanostructures grown by radio frequency plasma enhanced chemical vapor deposition. , 2012, , .		0
1616	Highly concentrated, stable nitrogen-doped graphene for supercapacitors: Simultaneous doping and reduction. <i>Applied Surface Science</i> , 2012, 258, 3438-3443.	6.1	163
1617	Nitrogen-doping effects on the growth, structure and electrical performance of carbon nanotubes obtained by spray pyrolysis method. <i>Applied Surface Science</i> , 2012, 258, 4563-4568.	6.1	59
1618	Immobilization of double functionalized carbon nanotubes on glassy carbon electrodes for the electrochemical sensing of the biotin-avidin affinity. <i>Journal of Electroanalytical Chemistry</i> , 2012, 665, 90-94.	3.8	10
1619	Dispersion of multi-walled carbon nanotubes (MWCNTs) by ionic liquid-based phosphonium surfactants in aqueous solution. <i>Journal of Molecular Liquids</i> , 2012, 173, 42-46.	4.9	59
1620	Synthesis and growth mechanism of oriented amorphous SiO ₂ nanowires. <i>Materials Science in Semiconductor Processing</i> , 2012, 15, 428-431.	4.0	3
1621	Enhancement of proton exchange membrane fuel cell performance by doping microporous layers of gas diffusion layers with multiwall carbon nanotubes. <i>Journal of Power Sources</i> , 2012, 220, 79-83.	7.8	58
1622	Nanoparticles in metal complexes-based electrogenerated chemiluminescence for highly sensitive applications. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1664-1681.	18.8	82
1623	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
1624	Molecular dynamics simulations of carbon nanotube dispersions in water: Effects of nanotube length, diameter, chirality and surfactant structures. <i>Computational Materials Science</i> , 2012, 53, 133-144.	3.0	56
1625	High-Strength Laminated Copper Matrix Nanocomposites Developed from a Single-Walled Carbon Nanotube Film with Continuous Reticulate Architecture. <i>Advanced Functional Materials</i> , 2012, 22, 5209-5215.	14.9	40
1626	Thermal and mechanical properties of homogeneous ternary nanocomposites of regioregular poly(3-hexylthiophene)-wrapped multiwalled carbon nanotube dispersed in thermoplastic polyurethane: Dynamic and thermomechanical analysis. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2109-2120.	2.6	4
1627	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
1628	Synthesis and physicochemical properties of calcium hydroxylapatite/multi-walled carbon nanotubes nanocomposites. Russian Journal of Inorganic Chemistry, 2012, 57, 1051-1057.	1.3	2
1629	Stoneâ€“Wales Transformation in Double-Walled Carbon Nanotubes and the Role of Inner Tube. Journal of Physical Chemistry C, 2012, 116, 16815-16822.	3.1	9
1630	Microwave-Induced Chemical Functionalization of Carboxylated Multi-Walled Nanotubes With 2,3-diaminopyridine. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 183-190.	2.1	11
1631	Nanonet as a scaffold with targeted functionalities. Journal of Materials Chemistry, 2012, 22, 24983.	6.7	17
1633	Singlet Oxygen Involved Luminol Chemiluminescence Catalyzed by Graphene Oxide. Journal of Physical Chemistry C, 2012, 116, 21622-21628.	3.1	89
1634	Perspectives on carbon nanotube-mediated adverse immune effects. Advanced Drug Delivery Reviews, 2012, 64, 1700-1705.	13.7	51
1635	Selective voltammetric determination of Cu(II) based on multiwalled carbon nanotube and nano-porous Cu-ion imprinted polymer. Journal of Electroanalytical Chemistry, 2012, 683, 80-87.	3.8	56
1636	Hydrogen peroxide monitoring in Fenton reaction by using a ruthenium oxide hexacyanoferrate/multiwalled carbon nanotubes modified electrode. Journal of Electroanalytical Chemistry, 2012, 686, 1-6.	3.8	21
1637	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
1638	Functionalized carbon nanotube-induced viscosity reduction of an ionic liquid and performance improvement of dye-sensitized solar cells. Electrochimica Acta, 2012, 85, 1-8.	5.2	38
1639	Functionalization of magnetic cnt/fe composite nanofibers for cell separation. Procedia Engineering, 2012, 27, 1386-1391.	1.2	0
1640	Carbon nanotubes architectures in electroanalysis. Procedia Engineering, 2012, 32, 683-689.	1.2	26
1641	Fabrication of carbon nanotube-based pH sensor for paper-based microfluidics. Microelectronic Engineering, 2012, 100, 1-5.	2.4	43
1642	Fabrication of a new multi-walled carbon nanotube paste electrode for stripping voltammetric determination of Ag(i). Analyst, The, 2012, 137, 2431.	3.5	20
1643	Chlorophenyl pendant decorated graphene sheet as a potential antimicrobial agent: synthesis and characterization. Journal of Materials Chemistry, 2012, 22, 22481.	6.7	50
1644	Effects of vertically aligned carbon nanotubes on shear performance of laminated nanocomposite bonded joints. Science and Technology of Advanced Materials, 2012, 13, 045002.	6.1	25
1645	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
1646	Purification of Single-Wall Carbon Nanotubes by Controlling the Adsorbability onto Agarose Gels Using Deoxycholate. Journal of Physical Chemistry C, 2012, 116, 9816-9823.	3.1	28

#	ARTICLE	IF	CITATIONS
1647	Polyoxometalate-based crystalline tubular microreactor: redox-active inorganic-organic hybrid materials producing gold nanoparticles and catalytic properties. <i>Chemical Science</i> , 2012, 3, 705-710.	7.4	93
1648	Carbon nanotube interaction with extracellular matrix proteins producing scaffolds for tissue engineering. <i>International Journal of Nanomedicine</i> , 2012, 7, 4511.	6.7	71
1649	Electrocatalytic oxidation of captopril on a vinylferrocene modified carbon nanotubes paste electrode. <i>Analytical Methods</i> , 2012, 4, 1332.	2.7	21
1650	Carbon Nanotubes: A Review of Chemistry Principles and Reactions. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 138-151.	2.1	109
1651	Effect of catalyst confinement and pore size on Fischer-Tropsch synthesis over cobalt supported on carbon nanotubes. <i>Science China Chemistry</i> , 2012, 55, 1811-1818.	8.2	25
1652	Grinding characteristic of multi-walled carbon nanotubes-alumina composite particle. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 1009-1013.	1.0	5
1653	Wide-angle X-ray scattering as a quality test for carbon nanotubes. <i>Diamond and Related Materials</i> , 2012, 29, 18-22.	3.9	9
1654	Improved performance of carbon nanotube buckypaper and ionic-liquid-in-Nafion actuators for rapid response and high durability in the open air. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 515-521.	7.8	26
1655	Materials with Complex Behaviour II. <i>Advanced Structured Materials</i> , 2012, , .	0.5	3
1656	Impurities in graphenes and carbon nanotubes and their influence on the redox properties. <i>Chemical Science</i> , 2012, 3, 3347.	7.4	123
1658	Polymer Library Comprising Fluorene and Carbazole Homo- and Copolymers for Selective Single-Walled Carbon Nanotubes Extraction. <i>Macromolecules</i> , 2012, 45, 713-722.	4.8	80
1660	Sequence Specific Association of Tryptic Peptides with Multiwalled Carbon Nanotubes: Effect of Localization of Hydrophobic Residues. <i>Biomacromolecules</i> , 2012, 13, 1410-1419.	5.4	15
1661	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
1662	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
1663	Programmable self-assembly of carbon nanotubes assisted by reversible denaturation of a protein. <i>Nanotechnology</i> , 2012, 23, 465603.	2.6	7
1664	Patenting Nanomedicines. , 2012, , .		3
1665	High Performance PET/Carbon Nanotube Nanocomposites: Preparation, Characterization, Properties and Applications. , 0, , .		4
1667	Effect of field emission property of carbon-like nanofiber treated by using a fluorocarbon/oxygen plasma. <i>Surface and Interface Analysis</i> , 2012, 44, 573-577.	1.8	2

#	ARTICLE	IF	CITATIONS
1668	Mechanical, thermal, and rheological behavior of ethylene methyl acrylate/MWNT nanocomposites. <i>Polymer Engineering and Science</i> , 2012, 52, 277-288.	3.1	1
1669	A Copper-Carboxylate Layer-Framework with Pseudo-Kagom� Net. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1365-1369.	1.2	3
1670	Carbon Nanotubes in the Liquid Phase: Addressing the Issue of Dispersion. <i>Small</i> , 2012, 8, 1299-1313.	10.0	122
1671	Carbon Nanotube Rope with Electrical Stimulation Promotes the Differentiation and Maturity of Neural Stem Cells. <i>Small</i> , 2012, 8, 2869-2877.	10.0	137
1672	Characteristic Vibrational Modes and Electronic Structures of Carbon Nanotubes Containing Defects. <i>Journal of Physical Chemistry C</i> , 2012, 116, 292-297.	3.1	14
1673	pH-responsive reversible dispersion of biocompatible SWNT/graphene-amphiphile hybrids. <i>Journal of Materials Chemistry</i> , 2012, 22, 6623.	6.7	22
1674	From carbon nanotubes and silicate layers to graphene platelets for polymer nanocomposites. <i>Nanoscale</i> , 2012, 4, 4578.	5.6	181
1675	Computing Raman and infrared wavenumbers of nanostructures: application to silicon nanowires. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1214-1220.	2.5	2
1676	Ethylene-Norbornene Copolymers Grafted Carbon Nanotube Composites by In Situ Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 627-634.	2.2	9
1677	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
1678	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
1679	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
1680	Preparation, characterization and electromagnetic properties of polyaniline/carbon nanotubes/nickel ferrite nanocomposites. <i>Polymer Composites</i> , 2012, 33, 532-539.	4.6	21
1681	Determination of 6-Mercaptopurine in the presence of uric acid using modified multiwall carbon nanotubes-TiO ₂ as a voltammetric sensor. <i>Drug Testing and Analysis</i> , 2012, 4, 970-977.	2.6	45
1682	Nitrogen-Doped Carbon Hollow Spheres for Immobilization, Direct Electrochemistry, and Biosensing of Protein. <i>Electroanalysis</i> , 2012, 24, 1424-1430.	2.9	19
1683	Nicotinamide Adenine Dinucleotide Oxidation Studies at Multiwalled Carbon Nanotube/Polymer Composite Modified Glassy Carbon Electrodes. <i>Electroanalysis</i> , 2012, 24, 1011-1018.	2.9	9
1684	Extrusion Printing of Flexible Electrically Conducting Carbon Nanotube Networks. <i>Advanced Functional Materials</i> , 2012, 22, 4790-4800.	14.9	60
1685	Re-ordering Chaotic Carbon: Origins and Application of Textured Carbon. <i>Advanced Materials</i> , 2012, 24, 4112-4123.	21.0	25

#	ARTICLE	IF	CITATIONS
1686	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
1687	Synthesis and characterization of conducting poly(3â€acetylpyrrole)/carbon nanotube composites. Journal of Applied Polymer Science, 2012, 125, 3956-3962.	2.6	5
1688	â€Clickâ€on Tubes: a Versatile Approach towards Multimodal Functionalization of SWCNTs. Chemistry - A European Journal, 2012, 18, 8454-8463.	3.3	32
1689	Gel-nanocomposites: materials with promising applications. Soft Matter, 2012, 8, 2348-2365.	2.7	148
1690	Supramolecular Functionalization of Single-Walled Carbon Nanotubes (SWNTs) with a Photoisomerizable Conjugated Polymer. Macromolecules, 2012, 45, 5045-5050.	4.8	40
1691	Electrical percolation networks of carbon nanotubes in a shear flow. Physical Review E, 2012, 85, 011143.	2.1	24
1692	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. Analytical Methods, 2012, 4, 1825.	2.7	15
1693	Transforming collagen wastes into doped nanocarbons for sustainable energy applications. Green Chemistry, 2012, 14, 1689.	9.0	65
1694	Carbon Nanotubes Applications: Solar and Fuel Cells, Hydrogen Storage, Lithium Batteries, Supercapacitors, Nanocomposites, Gas, Pathogens, Dyes, Heavy Metals and Pesticides. Environmental Chemistry for A Sustainable World, 2012, , 3-46.	0.5	13
1695	Atomistic theory and simulation of the morphology and structure of ionic nanoparticles. Nanoscale, 2012, 4, 1051-1067.	5.6	15
1696	Uranyl sensor based on a N,Nâ€bis(salicylidene)-2-hydroxy-phenylmethanediamine and multiwall carbon nanotube electrode. Journal of Radioanalytical and Nuclear Chemistry, 2012, 293, 201-210.	1.5	14
1697	Effect of Multiwall Carbon Nanotubes on Electrical and Structural Properties of Polyaniline. Journal of Electronic Materials, 2012, 41, 1882-1885.	2.2	18
1698	Application of aromatization catalyst in synthesis of carbon nanotubes. Bulletin of Materials Science, 2012, 35, 33-40.	1.7	1
1699	The solvation study of carbon, silicon and their mixed nanotubes in water solution. Journal of Molecular Modeling, 2012, 18, 3379-3388.	1.8	18
1700	Field emission of ribonucleic acidâ€carbon nanotube films prepared by electrophoretic deposition. Carbon, 2012, 50, 845-850.	10.3	15
1701	Synthesis, morphology and physical properties of multi-walled carbon nanotube/biphenyl liquid crystalline epoxy composites. Carbon, 2012, 50, 896-905.	10.3	56
1702	Huge volume expansion and structural transformation of carbon nanotube aligned arrays during electrical breakdown in vacuum. Carbon, 2012, 50, 1635-1643.	10.3	4
1703	Deconvolution of the structural and chemical surface properties of carbon nanotubes by inverse gas chromatography. Carbon, 2012, 50, 3416-3421.	10.3	26

#	ARTICLE	IF	CITATIONS
1704	The effect of incorporating carbon nanotubes in titania films used for the photocathode protection of 304 stainless steel. Carbon, 2012, 50, 3641-3648.	10.3	28
1705	Electrochemistry of double-wall carbon nanotubes encapsulating C60 and their spectral characterization. Carbon, 2012, 50, 4401-4408.	10.3	9
1706	Determination of furan in food samples using two solid phase microextraction fibers based on sol-gel technique with gas chromatography-flame ionisation detector. Food Chemistry, 2012, 131, 698-704.	8.2	43
1707	Study of gas transport properties of multi-walled carbon nanotubes/polystyrene composite membranes. International Journal of Hydrogen Energy, 2012, 37, 3914-3921.	7.1	25
1708	Highly improved electrooxidation of formaldehyde on nickel/poly (o-toluidine)/Triton X-100 film modified carbon nanotube paste electrode. International Journal of Hydrogen Energy, 2012, 37, 2137-2146.	7.1	43
1709	Influence of ethanol in the presence of H ₂ on the catalytic growth of vertically aligned carbon nanotubes. Applied Catalysis A: General, 2012, 423-424, 7-14.	4.3	14
1710	Voltammetric behavior of theophylline and its determination at multi-wall carbon nanotube paste electrode. Colloids and Surfaces B: Biointerfaces, 2012, 97, 1-6.	5.0	88
1711	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
1712	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
1713	Electrospinning preparation, characterization and magnetic properties of cobalt-nickel ferrite (Co _{1-x} Ni _x Fe ₂ O ₄) nanofibers. Journal of Colloid and Interface Science, 2012, 376, 57-61.	9.4	61
1714	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
1715	Characterization of 2,(3)-tetra-(4-oxo-benzamide) phthalocyaninato cobalt (II)-Single walled carbon nanotube conjugate platforms and their use in electrocatalysis of amitrole. Electrochimica Acta, 2012, 68, 44-51.	5.2	20
1716	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. Electrochimica Acta, 2012, 71, 150-158.	5.2	44
1717	Enhanced efficiency in dye sensitized solar cells with nanostructured Pt decorated multiwalled carbon nanotube based counter electrode. Electrochimica Acta, 2012, 72, 199-206.	5.2	28
1718	Synthesis of active iron-based electrocatalyst for the oxygen reduction reaction and its unique electrochemical response in alkaline medium. Electrochimica Acta, 2012, 76, 430-439.	5.2	23
1719	Concentration-dependent effects of carbon nanoparticles in gram-negative bacteria determined by infrared spectroscopy with multivariate analysis. Environmental Pollution, 2012, 163, 226-234.	7.5	59
1720	Electrochemical determination of a hemorheologic drug, pentoxifylline at a multi-walled carbon nanotube paste electrode. Bioelectrochemistry, 2012, 83, 1-7.	4.6	34
1721	Polyindole/ carboxylated-multiwall carbon nanotube composites produced by in-situ and interfacial polymerization. Materials Chemistry and Physics, 2012, 135, 80-87.	4.0	33

#	ARTICLE	IF	CITATIONS
1722	Macroscopic shaping of carbon nanotubes with high specific surface area and full accessibility. <i>Materials Letters</i> , 2012, 79, 128-131.	2.6	29
1723	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
1724	Influence of reaction parameters on the attachment of a carbon nanofiber layer on Ni foils. <i>Surface and Coatings Technology</i> , 2012, 206, 3366-3373.	4.8	3
1725	Evaluation the pozzolanic reactivity of sonochemically fabricated nano natural pozzolan. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 119-124.	8.2	30
1726	Co-continuous nanostructured nanocomposites by reactive blending of carbon nanotube masterbatches. <i>Polymer</i> , 2012, 53, 984-992.	3.8	14
1727	Modifications of carbon for polymer composites and nanocomposites. <i>Progress in Polymer Science</i> , 2012, 37, 781-819.	24.7	256
1728	Sensitivity and selectivity determination of bisphenol A using SWCNT-CD conjugate modified glassy carbon electrode. <i>Journal of Hazardous Materials</i> , 2012, 199-200, 111-118.	12.4	116
1729	Composites of Graphene and Other Nanocarbons with Organogelators Assembled through Supramolecular Interactions. <i>Chemistry - A European Journal</i> , 2012, 18, 2890-2901.	3.3	52
1730	A Novel Hydrogen Peroxide Sensor Based on the Direct Electron Transfer of Catalase Immobilized on Nano-Sized NiO/MWCNTs Composite Film. <i>Electroanalysis</i> , 2012, 24, 357-367.	2.9	43
1731	Fabrication of hybrid ladderlike polysilsesquioxane-grafted multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3792-3798.	2.6	5
1732	Carbon nanomaterials: controlled growth and field-effect transistor biosensors. <i>Frontiers of Materials Science</i> , 2012, 6, 26-46.	2.2	14
1733	Quantum investigation of non-bonded interaction between the B15N15 ring and BH2NBH2 (radical). <i>Tj ETQq1 1 0.784314 rgBT /Overlo</i>	2.0	40
1734	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
1735	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 Î±-cyclodextrine. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 179-189.	2.5	31
1736	Electrochemical detection of phenolic compounds using composite film of multiwall carbon nanotube/surfactant/tyrosinase on a carbon paste electrode. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 473-479.	2.5	40
1737	Layer-by-layer self-assembled multilayer films of single-walled carbon nanotubes and tin disulfide nanoparticles with chitosan for the fabrication of biosensors. <i>Journal of Applied Polymer Science</i> , 2013, 128, 647-652.	2.6	24
1738	Morphology control of three-dimensional carbon nanotube macrostructures fabricated using ice-templating method. <i>Journal of Porous Materials</i> , 2013, 20, 1289-1297.	2.6	16
1739	Development of carbon nanotubes reinforced hydroxyapatite composite coatings on titanium by electrodeposition method. <i>Corrosion Science</i> , 2013, 73, 321-330.	6.6	102

#	ARTICLE	IF	CITATIONS
1740	Properties and Structural Studies of Multi-Wall Carbon Nanotubes-Phosphate Ester Hybrids. International Journal of Organic Chemistry, 2013, 03, 26-34.	0.7	2
1741	Efficient and reusable Co/nitrogen doped hollow carbon sphere catalysts for the aerobic oxidation of styrene. Applied Catalysis A: General, 2013, 466, 1-8.	4.3	42
1742	Preparation and characterization of composite membranes with ionic liquid polymer-functionalized multiwalled carbon nanotubes for alkaline fuel cells. RSC Advances, 2013, 3, 13477.	3.6	50
1743	Carbon nanomaterial based electrochemical sensors for biogenic amines. Mikrokimica Acta, 2013, 180, 935-956.	5.0	72
1744	Amperometric detection of nitrite based on Dawson-type vanodotungstophosphate and carbon nanotubes. Analytica Chimica Acta, 2013, 792, 35-44.	5.4	61
1745	Application of carbon nano-materials in desalination processes. Desalination and Water Treatment, 2013, 51, 627-636.	1.0	28
1746	Novel potentiometric sensor for the determination of Cd ²⁺ based on a new nano-composite. International Journal of Environmental Analytical Chemistry, 2013, 93, 578-591.	3.3	49
1747	Formation of interconnections between carbon nanotubes and copper using tin solder. , 2013, , .		0
1748	Formation of different promoted metallic phases in PtFe and PtSn catalysts supported on carbonaceous materials used for selective hydrogenation. Journal of Catalysis, 2013, 306, 11-29.	6.2	80
1749	Glucose Determination in Beverages Using Carbon Nanotube Modified Biosensor: An Experiment for the Undergraduate Laboratory. Journal of Chemical Education, 2013, 90, 1222-1226.	2.3	25
1750	Carbon-rich nanostructures: the conversion of acetylenes into materials. Journal of Physical Organic Chemistry, 2013, 26, 742-749.	1.9	68
1751	Nickel hexacyanoferrate nanoparticles/nano silver coated multiwalled carbon nanotubes nanocomposite for the detection of hydrogen peroxide. Journal of Analytical Chemistry, 2013, 68, 307-312.	0.9	5
1752	Immobilized MWCNT support osteogenic cell culture. Journal of Materials Science: Materials in Medicine, 2013, 24, 1543-1550.	3.6	1
1753	Fabrication of a new carbon paste electrode modified with multi-walled carbon nanotube for stripping voltammetric determination of bismuth(III). Electrochimica Acta, 2013, 103, 206-210.	5.2	36
1754	Multi-walled carbon nanotube modified carbon paste electrode as an electrochemical sensor for the determination of epinephrine in the presence of ascorbic acid and uric acid. Materials Science and Engineering C, 2013, 33, 3294-3302.	7.3	71
1755	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
1756	Electrochemical sensor for selective determination of N-acetylcysteine in the presence of folic acid using a modified carbon nanotube paste electrode. Materials Science and Engineering C, 2013, 33, 1078-1084.	7.3	16
1757	Chemical functionalization of Xanthan gum for the dispersion of double-walled carbon nanotubes in water. Carbon, 2013, 62, 149-156.	10.3	16

#	ARTICLE	IF	CITATIONS
1758	Pristine Carbon Nanotube-Embedded Supramolecular Hydrogels with Tunable Viscoelastic Properties. Chemistry - A European Journal, 2013, 19, 12486-12496.	3.3	24
1759	An electrochemical sensor based on carbon nanotubes and a new Schiff base for selective determination of dopamine in the presence of uric acid, folic acid, and acetaminophen. Ionics, 2013, 19, 1663-1671.	2.4	7
1760	Highly sensitive electrochemical detection of dopamine and uric acid on a novel carbon nanotube-modified ionic liquid-nanozeolite paste electrode. Ionics, 2013, 19, 1317-1327.	2.4	28
1761	Sensitive and selective electrochemical sensor for magnolol based on the enhancement effect of multiwalled carbon nanotubes. Ionics, 2013, 19, 1303-1307.	2.4	8
1762	Selective and sensitive voltammetric sensor based on modified multiwall carbon nanotubes paste electrode for simultaneous determination of L-cysteine and folic acid. Ionics, 2013, 19, 933-940.	2.4	26
1763	Functionalization of carboxylated multi-wall carbon nanotubes with 3,5-diphenyl pyrazole and an investigation of their toxicity. New Carbon Materials, 2013, 28, 199-207.	6.1	18
1764	System-based identification of toxicity pathways associated with multi-walled carbon nanotube-induced pathological responses. Toxicology and Applied Pharmacology, 2013, 272, 476-489.	2.8	55
1765	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
1766	Additive-Free Assemblies of Ramified Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2013, 117, 19245-19252.	3.1	3
1767	Synthesis and physicochemical characterization of nanocomposites of calcium hydroxylapatite-chitosan-multiwall carbon nanotubes. Russian Journal of Inorganic Chemistry, 2013, 58, 269-273.	1.3	5
1768	Adsorption of Chlorobenzene onto (5,5) Armchair Single-Walled Carbon Nanotube and Graphene Sheet: Toxicity versus Adsorption Strength. Journal of Physical Chemistry C, 2013, 117, 21217-21227.	3.1	39
1769	Application of nanoparticles in the potentiometric ion selective electrodes. Russian Journal of Electrochemistry, 2013, 49, 458-465.	0.9	27
1770	Microelectrode arrays based on carbon nanomaterials: emerging electrochemical sensors for biological and environmental applications. RSC Advances, 2013, 3, 18698.	3.6	34
1771	Detection of Trace Zinc by an Electrochemical Microsensor based on Carbon Nanotube Threads. Electroanalysis, 2013, 25, 1599-1604.	2.9	17
1772	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. Analytical Methods, 2013, 5, 6982.	2.7	10
1773	Effects of cerium on the selective catalytic reduction activity and structural properties of manganese oxides supported on multi-walled carbon nanotubes catalysts. Chinese Journal of Catalysis, 2013, 34, 1087-1097.	14.0	33
1774	Anodic stripping voltammetry of silver(I) using a carbon paste electrode modified with multi-walled carbon nanotubes. Mikrochimica Acta, 2013, 180, 347-354.	5.0	32
1775	Synthesis of magnetic carbon nanotubes: Functionalisation of carbon nanotubes with nickel/sulphur nanoparticles via self-assembly in near-critical acetone. Journal of Supercritical Fluids, 2013, 83, 1-5.	3.2	2

#	ARTICLE	IF	CITATIONS
1776	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
1777	Non bonded interaction between B _N N (stator) and (rotor) systems: A quantum rotation in IR region. <i>Chemical Physics</i> , 2013, 425, 29-45.	1.9	32
1779	Superior sensing performance of multi-walled carbon nanotube-based electrodes to detect unconjugated bilirubin. <i>Thin Solid Films</i> , 2013, 548, 546-550.	1.8	32
1780	A New Generation of B _N N Rings as a Supplement to Boron Nitride Tubes and Cages. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1670-1684.	2.5	38
1781	Fabrication of magnetic nanofibers via surface-initiated RAFT polymerization and coaxial electrospinning. <i>Reactive and Functional Polymers</i> , 2013, 73, 1447-1454.	4.1	12
1782	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
1783	Design and synthesis of hierarchical porous electrode with nanocomposites of MnO ₂ thin layer encapsulated carbon nanotubes and its superb charge storage characteristics. <i>Electrochimica Acta</i> , 2013, 113, 373-381.	5.2	8
1784	Stability and electronic structure of carbon capsules with superior gas storage properties: A theoretical study. <i>Chemical Physics</i> , 2013, 426, 23-30.	1.9	8
1785	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
1786	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
1787	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
1788	N-Substituted carbazole heterocycles and derivatives as multipurpose chemical species: at the interface of chemical engineering, polymer and materials science. <i>Reviews in Chemical Engineering</i> , 2013, 29, .	4.4	22
1789	Preparation and properties of the polyimide thin films reinforced by acylchloride-functionalized multiple-walled carbon nanotubes. <i>Journal of Composite Materials</i> , 2013, 47, 3041-3051.	2.4	1
1790	Carbon Nanotube Enhanced Aerospace Composite Materials. <i>Solid Mechanics and Its Applications</i> , 2013, , .	0.2	12
1791	Polyvinyl alcohol (PVA)â€“cellulose nanofibril (CNF)â€“multiwalled carbon nanotube (MWCNT) hybrid organic aerogels with superior mechanical properties. <i>RSC Advances</i> , 2013, 3, 20816.	3.6	74
1792	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
1793	Morphological investigation and magnetic properties of nickel zinc ferrite 1D nanostructures synthesized via thermal decomposition method. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	14
1794	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

#	ARTICLE	IF	CITATIONS
1795	Self-assembly of multiwall carbon nanotubes on sulfonated poly (arylene ether ketone) as a proton exchange membrane. Journal of Polymer Research, 2013, 20, 1.	2.4	13
1796	Graphene “ Properties and Characterization. , 2013, , 39-82.		7
1797	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
1798	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
1799	Ionic liquid combined with carbon nanotubes: A soft material for the preconcentration of PAHs. Talanta, 2013, 104, 169-172.	5.5	25
1800	Electrochemical immunosensor for CD8+ T-cells based on a functionalized multi-walled carbon nanotubes-modified electrode. Analytical Methods, 2013, 5, 5248.	2.7	2
1801	X-RAY PHOTOELECTRON SPECTROSCOPY AND SCANNING ELECTROCHEMICAL MICROSCOPY STUDIES OF BRANCHED MULTIWALLED CARBON NANOTUBE PAPER MODIFIED BY ELECTROCHEMICAL GRAFTING AND CLICK CHEMISTRY. International Journal of Nanoscience, 2013, 12, 1350017.	0.7	1
1802	Synthesis and physicochemical characteristics of calcium hydroxyapatite/multiwall carbon nanotubes/collagen nanocomposites. Russian Journal of Inorganic Chemistry, 2013, 58, 1177-1182.	1.3	2
1803	“Bucky gel“™ of multiwalled carbon nanotubes as electrodes for high performance, flexible electric double layer capacitors. Nanotechnology, 2013, 24, 465704.	2.6	28
1804	Raman spectra of carbon nanotubes with monovacancy. Physica Scripta, 2013, 88, 065705.	2.5	2
1805	Determination of ultra-trace amounts of cadmium by ET-AAS after column preconcentration with a new sorbent of modified MWCNTs. Environmental Monitoring and Assessment, 2013, 185, 4097-4105.	2.7	11
1806	In situ synthesis of vertical 3-D copper-core/carbon-sheath nanowalls in microfluidic devices. RSC Advances, 2013, 3, 1388-1396.	3.6	7
1807	Coordination nanotubes self-assembled from cucurbit[7]uril and lanthanide cations. CrystEngComm, 2013, 15, 3943.	2.6	46
1808	Bioscience and Medical Technology: From the Earth to Space and Back. Journal of Aerospace Engineering, 2013, 26, 451-458.	1.4	1
1809	Environmentally friendly nanofillers as reinforcements for composites. , 2013, , 41-73.		0
1810	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
1811	Electron transport properties of air-exposed one-dimensional uneven peanut-shaped C60 polymer films. Diamond and Related Materials, 2013, 33, 12-15.	3.9	3
1812	Ionic Liquid Integrated Multiwalled Carbon Nanotube in a Poly(vinylidene fluoride) Matrix: Formation of a Piezoelectric Î²-Polymorph with Significant Reinforcement and Conductivity Improvement. ACS Applied Materials & Interfaces, 2013, 5, 747-760.	8.0	111

#	ARTICLE	IF	CITATIONS
1813	Emerging chirality in nanoscience. Chemical Society Reviews, 2013, 42, 2930-2962.	38.1	468
1814	Water solubilized single-walled carbon nanotubes from stirring reaction. Materials Letters, 2013, 93, 85-87.	2.6	1
1815	Mechanisms of toxicity by carbon nanotubes. Toxicology Mechanisms and Methods, 2013, 23, 178-195.	2.7	65
1816	Carbon nanomaterials for electronics, optoelectronics, photovoltaics, and sensing. Chemical Society Reviews, 2013, 42, 2824-2860.	38.1	1,105
1817	Synthesis of coal-derived single-walled carbon nanotube from coal by varying the ratio of Zr/Ni as bimetallic catalyst. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	18
1818	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
1819	Formation of carbon nanotubes catalyzed by rare earth oxides. New Carbon Materials, 2013, 28, 191-198.	6.1	4
1820	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
1822	Labeling of human hepatocellular carcinoma cells by hexamethylene diamine modified fluorescent carbon dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 209-213.	3.9	12
1823	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
1824	Microwave-accelerated three components cyclocondensation in the synthesis of 2,3-dihydroquinazolin-4(1H)-ones promoted by Cu-CNTs. Journal of Molecular Catalysis A, 2013, 371, 135-140.	4.8	53
1825	Nanohybridization of Low-Dimensional Nanomaterials: Synthesis, Classification, and Application. Critical Reviews in Solid State and Materials Sciences, 2013, 38, 1-56.	12.3	20
1826	Single-Walled Carbon Nanotube Surface Control of Complement Recognition and Activation. ACS Nano, 2013, 7, 1108-1119.	14.6	110
1827	In situ synthesis of silver nanoparticle decorated vertical nanowalls in a microfluidic device for ultrasensitive in-channel SERS sensing. Lab on A Chip, 2013, 13, 1501.	6.0	74
1828	Structure and Morphology Control in Crystalline Polymer-Carbon Nanotube Nanocomposites. Macromolecules, 2013, 46, 2877-2891.	4.8	197
1829	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
1830	In situ synthesis of polyisoprene-grafted single-walled carbon nanotube composites. Polymer Journal, 2013, 45, 834-838.	2.7	8
1831	Isolation of water soluble carbon nanotubes with network structure possessing multipodal junctions and its magnetic property. RSC Advances, 2013, 3, 7306.	3.6	33

#	ARTICLE	IF	CITATIONS
1832	Nanomaterials for Biosensors and Implantable Biodevices. , 2013, , 27-48.		19
1833	Two-Dimensional Nanostructure-Reinforced Biodegradable Polymeric Nanocomposites for Bone Tissue Engineering. Biomacromolecules, 2013, 14, 900-909.	5.4	262
1834	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
1835	Multiwalled Carbon Nanotubes Modified by NTAâ€Copper Complex for Labelâ€Free Electrochemical Immunosensor Detection. Electroanalysis, 2013, 25, 636-643.	2.9	16
1836	Factors affecting the dispersion of MWCNTs in electrically conducting SEBS nanocomposites. European Polymer Journal, 2013, 49, 1471-1478.	5.4	39
1837	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
1838	Targeted and pHâ€Responsive Delivery of Doxorubicin to Cancer Cells Using Multifunctional Dendrimerâ€Modified Multiâ€Walled Carbon Nanotubes. Advanced Healthcare Materials, 2013, 2, 1267-1276.	7.6	105
1839	Synthesis of gas barrier starch by dispersion of functionalized multiwalled carbon nanotubes. Carbohydrate Polymers, 2013, 94, 663-668.	10.2	54
1840	Effective Solubilization of Single-Walled Carbon Nanotubes in THF Using PEGylated Corannulene Dispersant. ACS Applied Materials & Interfaces, 2013, 5, 3500-3503.	8.0	12
1841	Nucleic Acidâ€Modified Nanostructures as Programmable Atom Equivalents: Forging a New â€Table of Elementsâ€. Angewandte Chemie - International Edition, 2013, 52, 5688-5698.	13.8	148
1842	Platinumâ€TM (TM = Fe, Co) alloy nanoparticles dispersed nitrogen doped (reduced graphene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 34 PEMFC applications. Nanoscale, 2013, 5, 5109.	5.6	145
1843	The production of functionalized multiwall carbon nanotube/amino acid-based poly(amideâ€imide) composites containing a pendant dopamine moiety. Carbon, 2013, 56, 27-37.	10.3	71
1844	Preparation of carbon nanotube-supported \pm -Fe ₂ O ₃ @CuO nanocomposite: a highly efficient and magnetically separable catalyst in cross-coupling of aryl halides with phenols. Catalysis Science and Technology, 2013, 3, 2025.	4.1	47
1845	Universal water-soluble cyclodextrin polymerâ€carbon nanomaterials with supramolecular recognition. Carbon, 2013, 61, 154-163.	10.3	51
1846	Electrocatalytic oxidation and the mechanism of dopamine on a MWNT-modified glassy carbon electrode. Russian Journal of Electrochemistry, 2013, 49, 200-202.	0.9	4
1847	Carbonaceous Impurities in Carbon Nanotubes are Responsible for Accelerated Electrochemistry of Cytochrome c. Analytical Chemistry, 2013, 85, 6195-6197.	6.5	20
1848	Carbon Nanotubes Instruct Physiological Growth and Functionally Mature Syncytia: Nongenetic Engineering of Cardiac Myocytes. ACS Nano, 2013, 7, 5746-5756.	14.6	105
1849	A green luminescent 1-D helical tubular dipyrazol-bridged cadmium(ii) complex: a coordination tube included in a supramolecular tube. Dalton Transactions, 2013, 42, 10503.	3.3	27

#	ARTICLE	IF	CITATIONS
1850	Multi-walled carbon nanotubes modified with (3-aminopropyl)triethoxysilane for effective carbon dioxide adsorption. International Journal of Greenhouse Gas Control, 2013, 14, 65-73.	4.6	91
1851	Multi-walled carbon nanotube modified carbon paste electrode as a sensor for the amperometric detection of l-tryptophan in biological samples. Journal of Colloid and Interface Science, 2013, 402, 223-229.	9.4	91
1852	Supramolecular Interactions of High Molecular Weight Poly(2,7-carbazole)s with Single-Walled Carbon Nanotubes. Macromolecules, 2013, 46, 3850-3860.	4.8	45
1853	Enhancement of cytochrome c catalytic behaviour by affecting the heme environment using functionalized carbon-based nanomaterials. Process Biochemistry, 2013, 48, 1010-1017.	3.7	47
1854	Conversion of Industrial Bio-Waste into Useful Nanomaterials. ACS Sustainable Chemistry and Engineering, 2013, 1, 619-626.	6.7	30
1856	Mechanical Dispersion Methods for Carbon Nanotubes in Aerospace Composite Matrix Systems. Solid Mechanics and Its Applications, 2013, , 99-154.	0.2	3
1857	Purification of carbon nanotubes by high temperature chlorine gas treatment. Physical Chemistry Chemical Physics, 2013, 15, 5615.	2.8	31
1858	Multi-walled carbon nanotube/poly(glycine) modified carbon paste electrode for the determination of dopamine in biological fluids and pharmaceuticals. Colloids and Surfaces B: Biointerfaces, 2013, 110, 458-465.	5.0	69
1859	Chemically Modified Multiwalled Carbon Nanotubes as Efficient Material for Construction of New Al(III) Ion Selective Carbon Paste Electrode. IEEE Sensors Journal, 2013, 13, 321-327.	4.7	4
1860	Electrical and rheological properties of MWCNT/polycarbonate nanocomposites. Polymer Bulletin, 2013, 70, 1709-1721.	3.3	8
1861	Solid-state electrochemiluminescence of two iridium(III) complexes. Journal of Electroanalytical Chemistry, 2013, 702, 25-30.	3.8	12
1862	Effect of CNT alignment on the strain sensing capability of carbon nanotube composites. Smart Materials and Structures, 2013, 22, 075006.	3.5	72
1863	Realizing Comparable Oxidative and Cytotoxic Potential of Single- and Multiwalled Carbon Nanotubes through Annealing. Environmental Science & Technology, 2013, 47, 130726133045005.	10.0	24
1864	Highly selective differential pulse voltammetric determination of phenazopyridine using MgCr ₂ O ₄ nanoparticles decorated MWCNTs-modified glassy carbon electrode. Colloids and Surfaces B: Biointerfaces, 2013, 111, 270-276.	5.0	13
1865	Electrochemical Aptasensor of Human Cellular Prion Based on Multiwalled Carbon Nanotubes Modified with Dendrimers: A Platform for Connecting Redox Markers and Aptamers. Analytical Chemistry, 2013, 85, 7704-7712.	6.5	89
1866	Effects of Al Doping and Double-Antisite Defect on the Adsorption of HCN on a BC ₂ N Nanotube: Density Functional Theory Studies. Journal of Physical Chemistry C, 2013, 117, 2427-2432.	3.1	219
1867	Effect of catalytic site position: Nickel nanocatalyst selectively loaded inside or outside carbon nanotubes for methane dry reforming. Fuel, 2013, 108, 430-438.	6.4	120
1868	Starch-based nano-biocomposites. Progress in Polymer Science, 2013, 38, 1590-1628.	24.7	455

#	ARTICLE	IF	CITATIONS
1869	Chapter 2. Actuators and Infrared Sensors Based on Carbon Nanotube-Polymer Composites. RSC Nanoscience and Nanotechnology, 2013, , 22-50.	0.2	2
1870	Synthesis and characterization of bi-functionalized graphene and expanded graphite using n-butyl lithium and their use for efficient water soluble dye adsorption. Journal of Materials Chemistry A, 2013, 1, 8144.	10.3	38
1871	Defining the lower and upper limit of the effective modulus of CNT/polypropylene composites through integration of modeling and experiments. Composite Structures, 2013, 95, 80-87.	5.8	58
1872	Influence of the support and promotion on the structure and catalytic performance of copper-cobalt catalysts for carbon monoxide hydrogenation. Fuel, 2013, 103, 1111-1122.	6.4	57
1873	A dispersability study on poly(thiophen-3-yl-acetic acid) and PEDOT multi-walled carbon nanotube composites using an analytical centrifuge. Journal of Colloid and Interface Science, 2013, 390, 62-69.	9.4	14
1874	One-step electrochemically co-assembled redox-active [Ru(bpy) ₂ (tatap)] ²⁺ -BSA-SWCNTs hybrid film for non-redox protein biosensors. Biosensors and Bioelectronics, 2013, 39, 106-111.	10.1	12
1875	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
1876	Quantitative study on the interaction of Ag ⁺ and Pd ²⁺ with CNT-graft-PCA (polycitric acid) in aqueous solution. Journal of Molecular Liquids, 2013, 180, 39-44.	4.9	8
1877	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
1878	Biofunctional magnetic nanotube probe for recognition and separation of specific bacteria from a mixed culture. RSC Advances, 2013, 3, 14634.	3.6	18
1879	Functionalization and Toxicity Effect of Multi-walled Carbon Nanotubes with Urea Derivatives via Microwave Irradiation. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 568-578.	2.1	10
1880	CHAPTER 8. Molecular Gels as Templates for Nanostructured Materials. RSC Soft Matter, 0, , 255-303.	0.4	3
1881	Modification of multiwall carbon nanotube by thiol-ene click chemistry. Polymer Bulletin, 2013, 70, 3563-3574.	3.3	13
1882	Two forms and two faces, multiple states and multiple uses: Properties and applications of the self-assembling fungal hydrophobins. Biopolymers, 2013, 100, 601-612.	2.4	50
1883	Carbon spheres obtained via citric acid catalysed hydrothermal carbonisation of cellulose. Materials Research Innovations, 2013, 17, 546-551.	2.3	34
1884	ELASTOMER COMPOSITES BASED ON CARBON NANOTUBES AND IONIC LIQUID. Rubber Chemistry and Technology, 2013, 86, 367-400.	1.2	40
1885	Percolated pore networks of oxygen plasma-activated multi-walled carbon nanotubes for fast response, high sensitivity capacitive humidity sensors. Nanotechnology, 2013, 24, 085501.	2.6	33
1886	Preparation and Characterization of Polyesteramide Compositied by Carbon Nanotube. Key Engineering Materials, 0, 562-565, 764-769.	0.4	0

#	ARTICLE	IF	CITATIONS
1887	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
1888	Production and Characterization of MWCNTs Produced by Non-Stationary Current Regimes in Molten LiCl. <i>Applied Mechanics and Materials</i> , 2013, 328, 772-777.	0.2	1
1889	Carbon Nanotubes: A Review on Structure and Their Interaction with Proteins. <i>Journal of Chemistry</i> , 2013, 2013, 1-18.	1.9	420
1890	Mechanical properties of 3-glycidoxypolytrimethoxysilane functionalized multi-walled carbon nanotubes/epoxy composites cured by electron beam irradiation. <i>Journal of Composite Materials</i> , 2013, 47, 1685-1694.	2.4	7
1891	Nonionic Electrophoretic Sorting of SWCNTs into Metallic and Semiconducting Tubes. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1505, 1.	0.1	0
1892	Future Prospect of Nanoelectronic Devices. <i>Lecture Notes in Electrical Engineering</i> , 2013, , 171-279.	0.4	1
1893	Aqueous Solution Surface Chemistry of Carbon Nanotubes. , 2013, , .		2
1894	Selected Advances in Nanoelectronic Devices. <i>Lecture Notes in Electrical Engineering</i> , 2013, , .	0.4	5
1895	Core-Shell Microgels as Nanoreactors. , 2013, , 113-130.		0
1896	A GENERAL ANISOTROPIC ETCHING STRATEGY FOR THE FABRICATION OF TUBE-LIKE OR MESOPOROUS SINGLE CRYSTAL TiO ₂ . <i>Functional Materials Letters</i> , 2013, 06, 1350051.	1.2	0
1897	Preparation and characterization of carbon nanotube filled poly (2-hydroxyethylmethacrylate) nanocomposites. <i>High Performance Polymers</i> , 2013, 25, 97-103.	1.8	11
1898	Experimental study on the mechanical reliability of carbon nanotubes. , 2013, , .		1
1899	Laser desorption/ionization mass spectrometric analysis of folic acid, vancomycin and Triton [®] X-100 on variously functionalized carbon nanotubes. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2631-2638.	1.5	7
1900	Differential Toxic Responses Between Pristine and Functionalized Multiwall Nanotubes Involve Induction of Autophagy Accumulation in Murine Lung. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2013, 76, 1282-1292.	2.3	27
1901	Use of Mercury Film Glassy Carbon Electrode Modified with Multiwalled Carbon Nanotubes in Electrochemical Analysis of DNA. <i>Electroanalysis</i> , 2013, 25, 1256-1262.	2.9	4
1902	Surface electronic structure of nitrogen-doped semiconducting single-walled carbon nanotube networks. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	7
1903	Carbon nanotubes/polyamide 6.6 nanostructured composites crystallization kinetic study. <i>Journal of Thermoplastic Composite Materials</i> , 2013, 26, 893-911.	4.2	7
1904	High Sensitive Sensor Based on Carbon Nanotube Electrode for Determination of Lanthanum in the Presence of Calcon Carboxylic Acid. <i>Analytical Letters</i> , 2013, 46, 156-170.	1.8	4

#	ARTICLE	IF	CITATIONS
1905	Estimation and Reduction of Macroscopic Nonuniformity in CNT Thin Film Resistors. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 888-893.	2.1	0
1906	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
1907	Benzoxazine resin and their nanostructured composites cure kinetic by DSC. Journal of Materials Research, 2013, 28, 3094-3099.	2.6	11
1908	The Degradation of Polyesteramide Carbon Nanotube Composites. Key Engineering Materials, 0, 562-565, 785-789.	0.4	0
1909	Effective lateral stiffness enhancement of high-aspect-ratio carbon nanotube probe. International Journal of Nanomanufacturing, 2013, 9, 87.	0.3	3
1910	Conductivity modulation of carbon nanotubes through hybridization with quantum dots and gold nanoparticles. EPJ Applied Physics, 2013, 64, 20401.	0.7	4
1911	Thermo-Active Elastomer Composite for Optical Heating in Microfluidic Systems. Small, 2013, 9, 654-659.	10.0	1
1912	Microenvironment Effects in Electrocatalysis: Ionic-Liquid-Like Coating on Carbon Nanotubes Enhances the Pd-Electrocatalytic Alcohol Oxidation. Chemistry - A European Journal, 2013, 19, 2384-2391.	3.3	33
1913	The Range Values for the Design Parameters of Nanoengineered Concrete Components. Characteristics, Properties, Amounts and Effects on the Concrete Behaviour. Advanced Engineering Forum, 0, 8-9, 277-284.	0.3	1
1914	Functionalization of Carbon Nanotubes and Polymer Compatibility Studies. Journal of Materials Science Research, 2013, 3, .	0.1	3
1915	The Effect of Fire Retardants on the Flammability, Mechanical Properties, and Wettability of Co-Extruded PP-Based Wood-Plastic Composites. BioResources, 2013, 9, .	1.0	12
1916	Adhesion to Carbon Nanotube Conductive Scaffolds Forces Action-Potential Appearance in Immature Rat Spinal Neurons. PLoS ONE, 2013, 8, e73621.	2.5	53
1917	An In Vitro Evaluation of the Biological Effects of Carbon Nanotube-Coated Dental Zirconia. ISRN Dentistry, 2013, 2013, 1-6.	1.5	13
1918	Recent Trends in the Development of Electrochemical Biosensors for Organophosphorus Pesticides Determination. , 0, , .		1
1919	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
1920	Allotropic Carbon Nanoforms as Advanced Metal-Free Catalysts or as Supports. Advances in Chemistry, 2014, 2014, 1-20.	1.1	12
1921	Antibacterial activity and cytotoxicity of multi-walled carbon nanotubes decorated with silver nanoparticles. International Journal of Nanomedicine, 2014, 9, 4621.	6.7	61
1922	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

#	ARTICLE	IF	CITATIONS
1923	Chemi- vs physisorption in the radical functionalization of single-walled carbon nanotubes under microwaves. Beilstein Journal of Nanotechnology, 2014, 5, 537-545.	2.8	11
1924	Estudo da cin�tica de decomposi��o de comp��sitos nanoestruturados de poli (sulfeto de fenileno) refor�ados com nanotubos de carbono. Polimeros, 2014, 24, 720-725.	0.7	4
1925	Sensors Based on Carbon Nanotube Arrays and Graphene for Water Monitoring. , 2014, , 3-19.		1
1926	Advanced Nano-biocomposites Based on Starch. , 2014, , 1-75.		14
1928	Molecular dynamics simulation on the interaction between single-walled carbon nanotubes and binaphthyl core-based chiral phenylene dendrimers. Journal of Materials Research, 2014, 29, 2156-2161.	2.6	9
1929	Design and Applications of Nanomaterials for Sensors. Challenges and Advances in Computational Chemistry and Physics, 2014, , .	0.6	6
1930	Microstructure and mechanical properties of CNT/Ag nanocomposites fabricated by spark plasma sintering. Journal of Experimental Nanoscience, 2014, 9, 588-596.	2.4	25
1932	Alignment and Surface Modification of Multiwall Carbon Nanotubes Polymeric Composites. Advanced Materials Research, 0, 881-883, 872-881.	0.3	2
1933	Fabrication of SWCNT-Ag Nanoparticle Hybrid Included Self-Assemblies for Antibacterial Applications. PLoS ONE, 2014, 9, e106775.	2.5	20
1934	Pulmonary response of mice to a sequential exposure of side-stream cigarette smoke and multi-walled carbon nanotubes. Inhalation Toxicology, 2014, 26, 327-332.	1.6	3
1935	Carbon Nanotubes Reinforced Composites for Biomedical Applications. BioMed Research International, 2014, 2014, 1-14.	1.9	39
1936	Determination of Nickel in Water, Food, and Biological Samples by Electrothermal Atomic Absorption Spectrometry After Preconcentration on Modified Carbon Nanotubes. Journal of AOAC INTERNATIONAL, 2014, 97, 225-231.	1.5	12
1937	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
1938	CNT Membrane as a Free Standing Electrode for PEM Fuel Cell. Journal of the Electrochemical Society, 2014, 161, F1146-F1153.	2.9	7
1940	Carboxylation of multiwalled carbon nanotube enhanced its biocompatibility with L02 cells through decreased activation of mitochondrial apoptotic pathway. Journal of Biomedical Materials Research - Part A, 2014, 102, 665-673.	4.0	60
1941	Simultaneous Detection of Heavy Metals by Anodic Stripping Voltammetry Using Carbon Nanotube Thread. Electroanalysis, 2014, 26, 488-496.	2.9	103
1942	Effect of oxygen adsorption on the electrochemical oxidative corrosion of single-walled carbon nanotubes. RSC Advances, 2014, 4, 53833-53836.	3.6	4
1943	Self�assembled apatite on multiwalled carbon nanotubes substrates support osteogenic cell function. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 543-550.	3.4	3

#	ARTICLE	IF	CITATIONS
1944	Preparation and Electrochemical Characterization of an Enzyme Electrode Based on Catalase Immobilized onto a Multiwall Carbon Nanotubeâ€¢Thionine Film. Journal of the Chinese Chemical Society, 2014, 61, 903-909.	1.4	7
1945	Preparation and characterization of 2â€¢hydroxyethyl methacrylateâ€¢chitosan functionalized multiwall carbon nanotubes nanocomposites. Polymer Composites, 2014, 35, 495-500.	4.6	8
1946	Modulation of chemical interactions across graphene layers and metastable domains in carbon materials. Mendelev Communications, 2014, 24, 327-328.	1.6	8
1947	Anomaly in the electric resistivity of one-dimensional uneven peanut-shaped C60 polymer film at a low temperature. Applied Physics Letters, 2014, 104, .	3.3	6
1948	Synthesis of carbon nanotubes/polyacrylamide nanocomposites with improved load-carrying capacity and antiwear ability. High Performance Polymers, 2014, 26, 970-977.	1.8	4
1949	Influence of Processing Parameters on the Mechanical Behavior of CNTs/Epoxy Nanocomposites. Lecture Notes in Mechanical Engineering, 2014, , 77-88.	0.4	1
1950	pH-controlled morphological structure and electrochemical performances of polyaniline/nickel hexacyanoferrate nanogranules during electrochemical deposition. Journal of Solid State Electrochemistry, 2014, 18, 2885-2892.	2.5	11
1951	Low temperature synthesis of carbon nanotube-reinforced aluminum metal composite powders using cryogenic milling. Journal of Materials Research, 2014, 29, 2644-2656.	2.6	17
1952	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
1953	Nanostructured carbon-based materials for Gas sensor applications. , 2014, , .		1
1954	Enhanced Electrical Properties of PVDF-TrFE Nanocomposite for Actuator Application. Key Engineering Materials, 0, 605, 335-339.	0.4	5
1955	DNAzyme conjugated nanomaterials for biosensing applications. Reviews in Analytical Chemistry, 2014, 33, .	3.2	6
1956	Comparative electrochemistry of haemoglobin on the long and ball milling shortened carbon nanotubes. Journal of Experimental Nanoscience, 2014, 9, 249-260.	2.4	0
1957	Removal of Heavy Metals from Wastewater Using Carbon Nanotubes. Separation and Purification Reviews, 2014, 43, 311-338.	5.5	240
1958	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
1959	Synthesis of gold encapsulated in spherical carbon capsules with a mesoporous shell structure. A robust catalyst in a nanoreactor. Catalysis Communications, 2014, 53, 77-82.	3.3	24
1960	Biotemplate synthesis of carbon nanostructures using bamboo as both the template and the carbon source. Materials Research Bulletin, 2014, 51, 366-371.	5.2	18
1961	Low-dimensional carbonaceous nanofiller induced polymer crystallization. Progress in Polymer Science, 2014, 39, 555-593.	24.7	140

#	ARTICLE	IF	CITATIONS
1962	Hydroxylation of multi-walled carbon nanotubes reduces their cytotoxicity by limiting the activation of mitochondrial mediated apoptotic pathway. Journal of Materials Science: Materials in Medicine, 2014, 25, 1033-1044.	3.6	18
1963	Hollow graphitic carbon nanospheres: synthesis and properties. Journal of Materials Science, 2014, 49, 1947-1956.	3.7	15
1964	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
1965	Electrocatalytic properties of functionalized carbon nanotubes with titanium dioxide and benzofuran derivative/ionic liquid for simultaneous determination of isoproterenol and serotonin. Electrochimica Acta, 2014, 130, 634-641.	5.2	36
1966	Carbon Nanomaterials: A Review. , 2014, , 709-769.		40
1967	Dispersion of single-walled carbon nanotubes in aqueous solution with a thermo-responsive pentablock terpolymer. Colloid and Polymer Science, 2014, 292, 281-289.	2.1	9
1968	Synthesis, characterization and photoluminescence properties of graphene oxide functionalized with azo molecules. Journal of Chemical Sciences, 2014, 126, 75-83.	1.5	14
1969	A new nano-composite electrode as a copper (II) selective potentiometric sensor. Journal of the Iranian Chemical Society, 2014, 11, 1373-1380.	2.2	12
1970	A novel voltammetric sensor based on gold nanoparticles involved in p-aminothiophenol functionalized multi-walled carbon nanotubes: Application to the simultaneous determination of quercetin and rutin. Electrochimica Acta, 2014, 119, 24-31.	5.2	243
1971	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
1972	Using hydrogen activated by microwave plasma vs. molecular hydrogen for hydrogen storage in tungsten disulfide inorganic nanotubes. International Journal of Hydrogen Energy, 2014, 39, 9837-9841.	7.1	9
1973	A novel horseradish peroxidase biosensor towards the detection of dopamine: A voltammetric study. Enzyme and Microbial Technology, 2014, 57, 8-15.	3.2	45
1974	A carbon nanotubes based fluorescent aptasensor for highly sensitive detection of adenosine deaminase activity and inhibitor screening in natural extracts. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 164-168.	2.8	25
1975	Facile in-situ preparation of polyaniline/graphene nanocomposites using methanesulfonic acid. Polymer, 2014, 55, 2928-2935.	3.8	6
1976	Fabrication of polyaniline/silver nanoparticles/multi-walled carbon nanotubes composites for flexible microelectronic circuits. Synthetic Metals, 2014, 192, 15-22.	3.9	43
1977	Amperometric urea biosensor based on covalently immobilized urease on an electrochemically polymerized film of polyaniline containing MWCNTs. Synthetic Metals, 2014, 194, 1-6.	3.9	51
1978	Tunable Epoxidation of Single-Walled Carbon Nanotubes by Isolated Methyl(trifluoromethyl)dioxirane. European Journal of Organic Chemistry, 2014, 2014, 1666-1671.	2.4	23
1979	Effects of dielectric barrier discharge in air on morphological and electrical properties of graphene nanoplatelets and multi-walled carbon nanotubes. Journal of Physics and Chemistry of Solids, 2014, 75, 858-868.	4.0	11

#	ARTICLE	IF	CITATIONS
1980	Soil Chemical Insights Provided through Vibrational Spectroscopy. <i>Advances in Agronomy</i> , 2014, 126, 1-148.	5.2	168
1981	A novel electrospun nerve conduit enhanced by carbon nanotubes for peripheral nerve regeneration. <i>Nanotechnology</i> , 2014, 25, 165102.	2.6	52
1982	Surface functionalization of multiwalled carbon nanotubes with chitosan and magnesium oxide nanoparticles by microwave-assisted synthesis. <i>Polymer Composites</i> , 2014, 35, 2050-2055.	4.6	10
1983	Investigation of yttria-doped alumina nanocomposites reinforced by multi-walled carbon nanotubes. <i>Ceramics International</i> , 2014, 40, 9327-9335.	4.8	26
1984	Determination of sulfonamides in milk samples by HPLC with amperometric detection using a glassy carbon electrode modified with multiwalled carbon nanotubes. <i>Journal of Separation Science</i> , 2014, 37, 382-389.	2.5	20
1985	Physicochemical and sorption properties of multi-walled carbon nanotubes decorated with silver nanoparticles. <i>Chemical Engineering Journal</i> , 2014, 250, 295-302.	12.7	11
1986	Enhanced performance of the wired-bilirubin oxidase oxygen cathode with incorporation of carboxylated single-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2014, 115, 599-606.	5.2	6
1987	Methylene blue covalently attached to single stranded DNA as electroactive label for potential bioassays. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 784-790.	7.8	28
1988	Effect of carbon nanotubes on properties of cement mortars. <i>Construction and Building Materials</i> , 2014, 50, 116-129.	7.2	218
1989	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
1990	Single Crystal to Single Crystal Polymerization of a Self-Assembled Diacetylene Macrocyclic Affords Columnar Polydiacetylenes. <i>Crystal Growth and Design</i> , 2014, 14, 993-1002.	3.0	53
1991	Carbon nanotube-based fluorescence sensors. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014, 19, 20-34.	11.6	71
1992	The mechanism of transforming diamond nanowires to carbon nanostructures. <i>Nanotechnology</i> , 2014, 25, 035601.	2.6	5
1993	Functional Hydrogels and Their Applications. <i>Chemical Reviews</i> , 2014, 114, 1973-2129.	47.7	1,548
1994	The effects of catalyst on the morphology and physicochemical properties of nitrogen-doped carbon nanotubes. <i>Materials Letters</i> , 2014, 116, 289-292.	2.6	28
1995	Coupling of Carbon and Peptide Nanotubes. <i>Journal of the American Chemical Society</i> , 2014, 136, 2484-2491.	13.7	73
1996	New insight into the shape-controlled synthesis and microwave shielding properties of iron oxide covered with reduced graphene oxide. <i>RSC Advances</i> , 2014, 4, 62413-62422.	3.6	22
1997	Augmentation of properties on sparingly loaded nanocomposites via functionalized single-walled carbon nanotubes using a covalent approach. <i>RSC Advances</i> , 2014, 4, 62947-62950.	3.6	12

#	ARTICLE	IF	CITATIONS
1998	Realizing one-dimensional quantum and high-frequency transport features in aligned single-walled carbon nanotube ropes. <i>Journal of Applied Physics</i> , 2014, 116, 024306.	2.5	2
1999	Regulated Dielectric Loss of Polymer Composites from Coating Carbon Nanotubes with a Cross-Linked Silsesquioxane Shell through Free-Radical Polymerization. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18635-18643.	8.0	37
2000	Filtration of sodium chloride from seawater using carbon hollow tube composed of carbon nanotubes. <i>International Journal of Smart and Nano Materials</i> , 2014, 5, 194-206.	4.2	3
2001	Oxidative corrosion potential vs. pH diagram for single-walled carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 27224.	3.6	21
2002	Platinum-decorated chemically modified reduced graphene oxide“multiwalled carbon nanotube sandwich composite as cathode catalyst for a proton exchange membrane fuel cell. <i>RSC Advances</i> , 2014, 4, 26140.	3.6	35
2003	Effects of the chemical structure of polyfluorene on selective extraction of semiconducting single-walled carbon nanotubes. <i>Nanoscale</i> , 2014, 6, 5879.	5.6	28
2004	Carbon Materials as Catalyst Supports and Catalysts in the Transformation of Biomass to Fuels and Chemicals. <i>ACS Catalysis</i> , 2014, 4, 3393-3410.	11.2	523
2005	Surface-immobilization of molecules for detection of chemical warfare agents. <i>Analyst, The</i> , 2014, 139, 4154-68.	3.5	12
2006	Spiers Memorial Lecture : Advances of carbon nanomaterials. <i>Faraday Discussions</i> , 2014, 173, 9-46.	3.2	24
2007	Synthesis and characterization of MWCNT-graft-polyisoprene via ARGET ATRP. <i>RSC Advances</i> , 2014, 4, 26468.	3.6	18
2008	Electronic structure and bandgap engineering of CdTe nanotubes and designing the CdTe nanotube“fullerene hybrid nanostructures for photovoltaic applications. <i>RSC Advances</i> , 2014, 4, 14673.	3.6	18
2009	Properties assessment of multiwalled carbon nanotubes: A comparative study. <i>Synthetic Metals</i> , 2014, 197, 159-167.	3.9	15
2010	Spectroscopic Studies on Pure and Histidine-Functionalized Multiwalled Carbon Nanotubes. <i>Spectroscopy Letters</i> , 2014, 47, 642-648.	1.0	10
2011	Study of Mechanical and Crystalline Behavior of Polyamide 6/Hytrel/Carbon Nanotubes (CNT) based Polymer Composites. , 2014, 6, 805-811.		28
2012	Carbon Nanotubes Rubber Composites. , 2014, , 1-6.		1
2013	Poly(2,6“di(thiophene“2“yl)“3,5bis(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
2014	Biomarker analysis for nanotoxicology. , 2014, , 689-695.		6
2015	Toward hard yet tough ceramic coatings. <i>Surface and Coatings Technology</i> , 2014, 258, 1-16.	4.8	168

#	ARTICLE	IF	CITATIONS
2016	Iron-Oxide-Supported Nanocarbon in Lithium-Ion Batteries, Medical, Catalytic, and Environmental Applications. <i>ACS Nano</i> , 2014, 8, 7571-7612.	14.6	157
2017	Biodistribution and toxicological study of PEGylated single-wall carbon nanotubes in the zebrafish (<i>Danio rerio</i>) nervous system. <i>Toxicology and Applied Pharmacology</i> , 2014, 280, 484-492.	2.8	26
2018	n-Type Carbon Nanotubes/Silver Telluride Nanohybrid Buckypaper with a High-Thermoelectric Figure of Merit. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4940-4946.	8.0	60
2019	Norbornene/ <i>n</i> -Butyl methacrylate copolymerization over \pm -Diimine nickel and palladium catalysts supported on multiwalled carbon nanotubes. <i>Journal of Polymer Science Part A</i> , 2014, 52, 3213-3220.	2.3	7
2020	Preparation and characterization of water soluble and conducting poly(sodium 4-styrenesulfonate) doped poly(3,4-ethylenedioxythiophene)/multi-walled carbon nanotubes core-shell nanocomposites by in situ polymerization. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 3233-3241.	2.2	4
2021	Molecularly imprinted electrochemical biosensor based on Fe@Au nanoparticles involved in 2-aminoethanethiol functionalized multi-walled carbon nanotubes for sensitive determination of cefexime in human plasma. <i>Biosensors and Bioelectronics</i> , 2014, 60, 277-285.	10.1	181
2023	First-principles study on electronic and magnetic properties of twisted graphene nanoribbon and Möbius strips. <i>Carbon</i> , 2014, 71, 150-158.	10.3	23
2024	Electrochemical oxidation of adenine using platinum electrodes modified with carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 59, 181-185.	2.7	9
2025	Synthesis of carbon nanosheet from barley and its use as non-enzymatic glucose biosensor. <i>Journal of Pharmaceutical Analysis</i> , 2014, 4, 351-359.	5.3	7
2026	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
2027	Analytical applications of nanomaterials in electrogenerated chemiluminescence. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5573-5587.	3.7	81
2028	Carbon nanotubes adsorb U atoms differently in their inner and outer surfaces. <i>RSC Advances</i> , 2014, 4, 30074.	3.6	10
2029	Structure and Properties of Y ₂ O ₃ -Doped Al ₂ O ₃ -MWCNT Nanocomposites Prepared by Pressureless Sintering and Hot-Pressing. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 2110-2119.	2.5	10
2030	Synthesis of Nanopesticides by Encapsulating Pesticide Nanoparticles Using Functionalized Carbon Nanotubes and Application of New Nanocomposite for Plant Disease Treatment. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 4833-4838.	5.2	130
2031	Semiconducting single-walled carbon nanotubes sorting with a removable solubilizer based on dynamic supramolecular coordination chemistry. <i>Nature Communications</i> , 2014, 5, 5041.	12.8	103
2032	Effect of carbon-nanotube length on friction and wear of polyamide 6,6 nanocomposites. <i>Wear</i> , 2014, 320, 103-110.	3.1	30
2033	Thermochemistry, Morphology, and Optical Characterization of Germanium Allotropes. <i>Chemistry of Materials</i> , 2014, 26, 3263-3271.	6.7	23
2034	Synthesis of branched, nano channeled, ultrafine and nano carbon tubes from PET wastes using the arc discharge method. <i>Waste Management</i> , 2014, 34, 2139-2145.	7.4	55

#	ARTICLE	IF	CITATIONS
2035	A new aptamer/SWNTs IDE-SPQC sensor for rapid and specific detection of Group A Streptococcus. Sensors and Actuators B: Chemical, 2014, 198, 431-437.	7.8	14
2036	Functionalization of carbon nanotube by carboxyl group under radial deformation. Chemical Physics, 2014, 428, 117-120.	1.9	22
2037	Influence of the concentration and nature of carbon nanotubes on the mechanical properties of AA5083 aluminium alloy matrix composites. Carbon, 2014, 77, 44-52.	10.3	64
2038	Improvement of carbon nanotube stability by high temperature oxygen/chlorine gas treatment. Carbon, 2014, 76, 275-284.	10.3	10
2039	Single-electron transfer living radical copolymerization of SWCNT-g-PMMA via graft from approach. Polymer, 2014, 55, 2959-2966.	3.8	14
2040	Site-Specific Structural Variations Accompanying Tubular Assembly of the HIV-1 Capsid Protein. Journal of Molecular Biology, 2014, 426, 1109-1127.	4.2	49
2041	Carboxyl-tailed ionic liquid promoted aqueous dispersion of multi-walled carbon nanotubes. High Performance Polymers, 2014, 26, 274-282.	1.8	7
2042	Visualizing Individual Carbon Nanotubes with Optical Microscopy. Journal of the American Chemical Society, 2014, 136, 8536-8539.	13.7	11
2043	Preparation, Characterization, and Bioelectrocatalytic Properties of Hemoglobin Incorporated Multiwalled Carbon Nanotubesâ€Polyâ€L</sc>â€lysine Composite Film Modified Electrodes Towards Bromate. Electroanalysis, 2014, 26, 996-1003.	2.9	5
2044	Functional Gels Based on Chemically Modified Graphenes. Advanced Materials, 2014, 26, 3992-4012.	21.0	276
2045	Utilization of highly purified single wall carbon nanotubes dispersed in polymer thin films for an improved performance of an electrochemical glucose sensor. Materials Science and Engineering C, 2014, 40, 299-307.	7.3	21
2046	Influence of encapsulated electron active molecules of single walled-carbon nanotubes on superstrate-type Cu(In,Ga)Se ₂ solar cells. Materials Chemistry and Physics, 2014, 144, 49-54.	4.0	5
2047	Nanostructures: a platform for brain repair and augmentation. Frontiers in Systems Neuroscience, 2014, 8, 91.	2.5	92
2048	Novel Membrane Materials for Reverse Osmosis Desalination. Hydrology Current Research, 2014, 05, .	0.4	3
2049	Nanoparticle-Mediated Systemic Delivery of siRNA for Treatment of Cancers and Viral Infections. Theranostics, 2014, 4, 872-892.	10.0	195
2050	Study on ringing artefacts of carbon nanotube probes of atomic force microscopy. International Journal of Nanomanufacturing, 2014, 10, 215.	0.3	0
2051	SEM and TEM Characterization of Polymer CNT Nanocomposites. , 2014, , 167-185.		2
2052	Carbon Nanotubes: A New Methodology for Enhanced Squeeze Lifetime CNTs. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
2053	Carbon nanotubes and graphenes as adsorbents for adsorption of lead ions from water: a review. Journal of Water Supply: Research and Technology - AQUA, 2015, 64, 641-659.	1.4	31
2054	The Effect of Electrode Gap Distance on the Synthesis of Carbon Materials by Using Solution Plasma Process. Jom, 2015, 67, 2550-2556.	1.9	10
2055	- Role of Top and Interlayer Metal Nanoparticle Grafting on CNTs: Improved Raman Scattering and Electron Emission Investigations. , 2015, , 84-107.		1
2056	Facile Isolation of Adsorbent-Free Long and Highly-Pure Chirality-Selected Semiconducting Single-Walled Carbon Nanotubes Using A Hydrogen-bonding Supramolecular Polymer. Scientific Reports, 2015, 5, 18066.	3.3	25
2057	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
2058	Giant Optical Activity of Quantum Dots, Rods and Disks with Screw Dislocations. Scientific Reports, 2015, 5, 14712.	3.3	49
2060	Effects of Carboxylated Multiwalled Carbon Nanotubes on the Function of Macrophages. Journal of Nanomaterials, 2015, 2015, 1-8.	2.7	4
2062	Environmental Consequences of Engineered Nanomaterials: An Awareness Campaign to Promote Safe Nanotechnology and Dispel Related Misconceptions. , 2015, , .		2
2063	Electrocatalytic Interface Based on Novel Carbon Nanomaterials for Advanced Electrochemical Sensors. ChemCatChem, 2015, 7, 2744-2764.	3.7	59
2064	Assessments of Surface Coverage after Nanomaterials are Drop Cast onto Electrodes for Electroanalytical Applications. ChemElectroChem, 2015, 2, 1003-1009.	3.4	22
2065	Purification of Carbon Nanotube Sheets. Advanced Engineering Materials, 2015, 17, 674-688.	3.5	22
2066	Selective Synthesis of Single- and Multi-Walled Supramolecular Nanotubes by Using Solvophobic/Solvophilic Controls: Stepwise Radial Growth via "Coil-on-Tube" Intermediates. Angewandte Chemie - International Edition, 2015, 54, 11168-11172.	13.8	31
2068	TiO ₂ -modified Carbon Paste Electrode as a Sensor for the Assay of Weak Organic Acids/Bases and Complex Matrix Samples. Electroanalysis, 2015, 27, 2699-2707.	2.9	3
2069	Carboxylation of multiwalled carbon nanotube attenuated the cytotoxicity by limiting the oxidative stress initiated cell membrane integrity damage, cell cycle arrestment, and death receptor mediated apoptotic pathway. Journal of Biomedical Materials Research - Part A, 2015, 103, 2770-2777.	4.0	20
2073	Allotropes of Carbon Nanotubes with MWCNTs. Journal of Nanomedicine & Nanotechnology, 2015, 06, .	1.1	0
2074	Reinforcement of Polyethylene Terephthalate via Addition of Carbon-Based Materials. , 2015, , 41-64.		2
2075	Nanocomposites Based on Thermoplastic Polymers and Functional Nanofiller for Sensor Applications. Materials, 2015, 8, 3377-3427.	2.9	75
2076	Electrochemical Biosensors for Direct Determination of Organophosphorus Pesticides: A Review. Current Analytical Chemistry, 2015, 12, 37-42.	1.2	20

#	ARTICLE	IF	CITATIONS
2077	A Microwave-Based Chemical Factory in the Lab: From Milligram to Multigram Preparations. <i>Journal of Chemistry</i> , 2015, 2015, 1-8.	1.9	24
2078	Highly Sensitive Electrochemical Sensor for the Determination of 8-Hydroxy-2'-deoxyguanosine Incorporating SWCNTs-Nafion Composite Film. <i>Journal of Sensors</i> , 2015, 2015, 1-11.	1.1	14
2080	Regulating the Architectures of Hydrogen-Bonded Frameworks through Topological Enforcement. <i>Journal of the American Chemical Society</i> , 2015, 137, 3386-3392.	13.7	49
2081	Effect of side-chain halogenation on the interactions of conjugated polymers with SWNTs. <i>Polymer Chemistry</i> , 2015, 6, 4742-4748.	3.9	7
2082	Broad Family of Carbon Nanoallotropes: Classification, Chemistry, and Applications of Fullerenes, Carbon Dots, Nanotubes, Graphene, Nanodiamonds, and Combined Superstructures. <i>Chemical Reviews</i> , 2015, 115, 4744-4822.	47.7	1,519
2084	Toward Controlled Growth of Helicity-Specific Carbon Nanotubes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2232-2237.	4.6	7
2085	Stripping voltammetric determination of nicardipine using β -cyclodextrin incorporated carbon nanotube-modified glassy carbon electrode. <i>Journal of Analytical Chemistry</i> , 2015, 70, 615-620.	0.9	16
2086	Carbon Nanotube-Based Poly(ethylene oxide) Nanocomposites. , 2015, , 299-334.		2
2087	Hybrids of Copolymers of Fluorene and C ₆₀ -Carrying Carbazole with Semiconducting Single-Walled Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2015, 21, 3359-3366.	3.3	3
2088	A Fractal Analysis of the Detection of Biomarkers for Different Diseases on Biosensor Surfaces. , 2015, , 597-652.		1
2089	Simultaneous Reinforcement and Toughening of Carbon Nanotube/Cellulose Conductive Nanocomposite Films by Interfacial Hydrogen Bonding. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 317-324.	6.7	76
2090	Low temperature synthesized carbon nanotube superstructures with superior CO ₂ and hydrogen storage capacity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5148-5161.	10.3	84
2091	Multidimensional carbon allotropes as electrochemical detectors in capillary and microchip electrophoresis. <i>Electrophoresis</i> , 2015, 36, 179-194.	2.4	48
2092	Peptide-Induced Affinity Binding of Carbonic Anhydrase to Carbon Nanotubes. <i>Langmuir</i> , 2015, 31, 397-403.	3.5	33
2093	Over-oxidation of multi-walled carbon nanotubes and formation of fluorescent carbon nanoparticles. <i>Materials Letters</i> , 2015, 145, 37-40.	2.6	4
2094	Density functional theory study of potassium atom adsorbing on the interior and exterior of a series of carbon nanotubes. <i>Computational and Theoretical Chemistry</i> , 2015, 1056, 37-40.	2.5	1
2095	Electrochemical sensing of hydrogen peroxide using a cobalt(III) complex supported on carbonaceous nanomaterials. <i>Journal of Electroanalytical Chemistry</i> , 2015, 740, 37-44.	3.8	16
2096	Comparative kinetic study of functionalized carbon nanotubes and magnetic biochar for removal of Cd ²⁺ ions from wastewater. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 446-457.	2.7	54

#	ARTICLE	IF	CITATIONS
2097	Simple, effective fabrication of layered carbon nanotube/graphene hybrid field emitters by electrophoretic deposition. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, 011802.	1.2	7
2098	Highly dispersible surface-unzipped multi-walled carbon nanotubes as binder-free electrodes for supercapacitor applications. <i>Current Applied Physics</i> , 2015, 15, S21-S26.	2.4	15
2099	Culture Medium-Associated Physicochemical Insights on the Cytotoxicity of Carbon Nanomaterials. <i>Chemical Research in Toxicology</i> , 2015, 28, 290-295.	3.3	19
2100	Î⁶-Cycloparaphenylene Transition Metal Complexes: Synthesis, Structure, Photophysical Properties, and Application to the Selective Monofunctionalization of Cycloparaphenylenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 1356-1361.	13.7	91
2101	Effect of MWCNT functionalization on thermal and electrical properties of PHBV/MWCNT nanocomposites. <i>Journal of Materials Research</i> , 2015, 30, 55-65.	2.6	123
2102	Ultrasensitive electrochemiluminescent determination of perphenazine at tris(1,10-phenanthroline)ruthenium(II)/Nafion bulk modified carbon nanotube ceramic electrode via solid-phase microextraction. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 137-143.	7.8	12
2103	Photolysis of Phenylalanine in the Presence of Oxidized Carbon Nanotubes. <i>Langmuir</i> , 2015, 31, 164-170.	3.5	6
2104	The redox-active nanomaterial toolbox for cancer therapy. <i>Cancer Letters</i> , 2015, 359, 9-19.	7.2	55
2105	Multiwall carbon nanotube-modified electrode as a nanosensor for electrochemical studies and stripping voltammetric determination of an antimalarial drug. <i>RSC Advances</i> , 2015, 5, 14407-14415.	3.6	27
2106	A new approach to the synthesis of titania nano-powders enriched with very high contents of carbon nanotubes by electro-spinning. <i>Materials Chemistry and Physics</i> , 2015, 153, 338-345.	4.0	13
2107	Ga and In promoters in bimetallic Pt based catalysts to improve the performance in the selective hydrogenation of citral. <i>Applied Catalysis A: General</i> , 2015, 497, 58-71.	4.3	21
2108	Synthesis of Nanostructured Carbon through Ionothermal Carbonization of Common Organic Solvents and Solutions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5507-5512.	13.8	70
2109	Assemblies of single-walled carbon nanotubes generated by covalent cross-linking with organic linkers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6747-6750.	10.3	22
2110	Detection of biological objects using dynamic characteristics of double-walled carbon nanotubes. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 681-695.	3.1	9
2111	Capillary-bridgeâ€derived particles with negative Gaussian curvature. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2664-2669.	7.1	19
2112	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
2113	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
2114	The effects of central metals on the photophysical and nonlinear optical properties of reduced graphene oxideâ€metal(ⁱ) phthalocyanine hybrids. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7149-7157.	2.8	42

#	ARTICLE	IF	CITATIONS
2115	Macroscopic Carbon Nanotube-based 3D Monoliths. <i>Small</i> , 2015, 11, 3263-3289.	10.0	83
2116	Single-walled carbon nanotubes as near-infrared optical biosensors for life sciences and biomedicine. <i>Biotechnology Journal</i> , 2015, 10, 447-459.	3.5	79
2117	Platinum decorated on partially exfoliated multiwalled carbon nanotubes as high performance cathode catalyst for PEMFC. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9435-9443.	7.1	18
2118	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
2119	Effect of multi-walled carbon nanotube additive on the microstructure and properties of pitch-derived carbon foams. <i>Journal of Materials Science</i> , 2015, 50, 7583-7590.	3.7	28
2120	Synthesis of molecular biomimetics. , 2015, , 3-31.		2
2121	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. <i>Materials Science and Engineering C</i> , 2015, 57, 328-337.	7.3	79
2122	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
2123	Application of multi-walled carbon nanotubes modified with boron oxide nanoparticles in electrochemistry. <i>Ionics</i> , 2015, 21, 3087-3095.	2.4	8
2124	Thermal effects on mass detection sensitivity of carbon nanotube resonators in nonlinear oscillation regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 74, 39-44.	2.7	14
2125	Superstructured Assembly of Nanocarbons: Fullerenes, Nanotubes, and Graphene. <i>Chemical Reviews</i> , 2015, 115, 7046-7117.	47.7	448
2126	Effect of Induction on the Dispersion of Semiconducting and Metallic Single-Walled Carbon Nanotubes Using Conjugated Polymers. <i>Macromolecules</i> , 2015, 48, 5155-5161.	4.8	35
2127	Enhanced Radio Frequency Biosensor for Food Quality Detection Using Functionalized Carbon Nanofillers. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 11939-11947.	8.0	25
2128	Nanocomposites of Polyhydroxyalkanoates Reinforced with Carbon Nanotubes: Chemical and Biological Properties. <i>Advanced Structured Materials</i> , 2015, , 79-108.	0.5	13
2129	Uncovering Cortical Modularity by Nanotechnology. , 2015, , 339-366.		0
2130	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
2131	Modified structural and optical characteristics of Au-NPs-MWCNTs nanohybrids. <i>Superlattices and Microstructures</i> , 2015, 81, 248-264.	3.1	15
2132	High performance field emission of carbon nanotube film emitters with a triangular shape. <i>Carbon</i> , 2015, 89, 404-410.	10.3	45

#	ARTICLE	IF	CITATIONS
2133	Mechanisms of Drug Release in Nanotherapeutic Delivery Systems. <i>Chemical Reviews</i> , 2015, 115, 3388-3432.	47.7	412
2134	Determination of trace amounts of antimony(III) based on differential pulse voltammetric method with multi-walled carbon-nanotube-modified carbon paste electrode. <i>Ionics</i> , 2015, 21, 565-570.	2.4	18
2135	High energy density titanium doped-vanadium oxide-vertically aligned CNT composite electrodes for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8413-8432.	10.3	64
2136	MnFe ₂ O ₄ @CNT-N as novel electrochemical nanosensor for determination of caffeine, acetaminophen and ascorbic acid. <i>Sensors and Actuators B: Chemical</i> , 2015, 218, 128-136.	7.8	83
2137	Hybrid Metallic Nanoparticles: Enhanced Bioanalysis and Biosensing via Carbon Nanotubes, Graphene, and Organic Conjugation. , 2015, , 137-166.		5
2138	Hierarchical Composites Containing Carbon Nanotubes. , 2015, , 319-356.		0
2139	Sensory properties of hybrid composites based on poly(3,4-ethylenedioxythiophene)-porous silicon-carbon nanotubes. <i>Nanoscale Research Letters</i> , 2015, 10, 187.	5.7	32
2140	Simultaneous determination of hydrazine and hydroxylamine based on fullerene-functionalized carbon nanotubes/ionic liquid nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2015, 214, 132-137.	7.8	52
2141	Carbon nanotube/polymer composite electrodes for flexible, attachable electrochemical DNA sensors. <i>Biosensors and Bioelectronics</i> , 2015, 71, 414-419.	10.1	48
2142	H-Bonded Supramolecular Polymer for the Selective Dispersion and Subsequent Release of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2015, 137, 4328-4331.	13.7	111
2143	Synergy in hybrid polymer/nanocarbon composites. A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 73, 204-231.	7.6	257
2144	Chemical-free graphene by unzipping carbon nanotubes using cryo-milling. <i>Carbon</i> , 2015, 89, 217-224.	10.3	34
2145	One-pot synthesis of cobalt-coordinated N-doped carbon catalysts via co-synthesis of ionic liquids and cobalt porphyrins. <i>Chemical Communications</i> , 2015, 51, 16637-16640.	4.1	16
2146	Heteroatom substituted and decorated graphene: preparation and applications. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 32077-32098.	2.8	64
2147	Size dependent electronic band structures of $\hat{1}^2$ - and $\hat{1}^3$ -graphyne nanotubes. <i>RSC Advances</i> , 2015, 5, 80118-80121.	3.6	31
2148	Charging-induced asymmetric spin distribution in an asymmetric (9,0) carbon nanotube. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28860-28865.	2.8	6
2149	Microstructure and transmission electron microscopy characterization of electroless Ni-B thin films deposited on MWCNTs. <i>Surface and Coatings Technology</i> , 2015, 282, 107-114.	4.8	17
2150	Deagglomeration of multi-walled carbon nanotubes via an organic modifier: structure and mechanism. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25365-25378.	2.8	14

#	ARTICLE	IF	CITATIONS
2151	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
2152	In Situ Fabrication of Nano Transistors by Selective Deposition of a Gate Dielectric around Carbon Nanotubes. ACS Applied Materials & Interfaces, 2015, 7, 24094-24102.	8.0	5
2153	MWCNT/perylene bisimide water dispersions for miniaturized temperature sensors. RSC Advances, 2015, 5, 65023-65029.	3.6	13
2154	Carbon nanotube-assisted capturing of bacterial pathogens. RSC Advances, 2015, 5, 91246-91253.	3.6	4
2155	Different Technical Applications of Carbon Nanotubes. Nanoscale Research Letters, 2015, 10, 358.	5.7	123
2156	E-DNA Sensor of <i>Mycobacterium tuberculosis</i> Based on Electrochemical Assembly of Nanomaterials (MWCNTs/PPy/PAMAM). Analytical Chemistry, 2015, 87, 9257-9264.	6.5	110
2157	Band-edge modulated ZnO pomegranates-on-paper photodetector. Journal of Materials Chemistry C, 2015, 3, 3702-3707.	5.5	9
2158	Effect of dispersion method on the deterioration, interfacial interactions and re-agglomeration of carbon nanotubes in titanium metal matrix composites. Materials and Design, 2015, 88, 138-148.	7.0	73
2159	Potential Application and Molecular Mechanisms of Soy Protein on the Enhancement of Graphite Nanoplatelet Dispersion. Journal of Physical Chemistry C, 2015, 119, 26760-26767.	3.1	13
2160	Enhanced dielectric properties in polyvinyl alcohol “ Multiwall carbon nanotube composites. Materials Chemistry and Physics, 2015, 167, 286-294.	4.0	41
2161	Copper Nanoparticle/Multiwalled Carbon Nanotube Composite Films with High Electrical Conductivity and Fatigue Resistance Fabricated via Flash Light Sintering. ACS Applied Materials & Interfaces, 2015, 7, 25413-25423.	8.0	64
2162	Mechanical behavior and fracture toughness of epoxy composites reinforced with combination of fibrous and spherical nanofillers. Polymer Composites, 2015, 36, 2147-2156.	4.6	9
2163	Handbook of Polymer Nanocomposites. Processing, Performance and Application. , 2015, , .		61
2164	Electrochemical determination of luteolin in Chrysanthemum using multi-walled carbon nanotubes“ionic liquid composite electrode. Analytical Methods, 2015, 7, 894-900.	2.7	15
2165	p-Phosphonic acid calix[8]arene assisted dispersion and stabilisation of pea-pod C₆₀@multi-walled carbon nanotubes in water. Chemical Communications, 2015, 51, 2399-2402.	4.1	19
2166	Resistance-Based Biosensor of Multi-Walled Carbon Nanotubes. Journal of Immunoassay and Immunochemistry, 2015, 36, 142-148.	1.1	4
2167	Electronic properties of 1-graphyne nanotubes. Carbon, 2015, 84, 246-253.	10.3	68
2168	Electroanalytical method for determination of shikonin based on the enhancement effect of cyclodextrin functionalized carbon nanotubes. Chinese Chemical Letters, 2015, 26, 613-618.	9.0	37

#	ARTICLE	IF	CITATIONS
2169	Seebeck Effect and Mechanical Properties of Carbon Nanotube-Carbon Fiber/Cement Nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 383-391.	2.1	50
2170	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
2171	Development of a novel MWCNTs-triazene-modified carbon paste electrode for potentiometric assessment of Hg(II) in the aquatic environments. Materials Science and Engineering C, 2015, 47, 273-280.	7.3	30
2172	Adsorption of synthetic organic contaminants by carbon nanotubes: A critical review. Water Research, 2015, 68, 34-55.	11.3	261
2174	Electrochemical aptasensor for mucin 1 based on dual signal amplification of poly(o-phenylenediamine) carrier and functionalized carbon nanotubes tracing tag. Biosensors and Bioelectronics, 2015, 64, 485-492.	10.1	70
2175	Application of Carbon Nanotubes for Plant Genetic Transformation. Springer Proceedings in Physics, 2015, , 233-255.	0.2	5
2176	Preparation, characterization, and kinetic study of end opened carbon nanotubes incorporated polyacrylonitrile electrospun nanofibers for the adsorption of pyrene from aqueous solution. Chemical Engineering Journal, 2015, 259, 348-356.	12.7	37
2177	Ionic liquid modified multi-walled carbon nanotubes as lubricant additive. Tribology International, 2015, 81, 38-42.	5.9	70
2178	Influence of carrier gas flow rate on carbon nanotubes growth by TCVD with Cu catalyst. Journal of Saudi Chemical Society, 2016, 20, 432-436.	5.2	19
2179	Novel Magnetic Nanocomposites Comprising Reduced Graphene Oxide/FeO/Gelatin Utilized in Ultrasensitive Non-Enzymatic Biosensing. International Journal of Electrochemical Science, 2016, 11, 10256-10269.	1.3	31
2180	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
2181	Synthesis of Polydopamine Functionalized Reduced Graphene Oxide-Palladium Nanocomposite for Laccase Based Biosensor. Bioinorganic Chemistry and Applications, 2016, 2016, 1-10.	4.1	8
2182	Catalytic Synthesis of Substrate-Free, Aligned and Tailored High Aspect Ratio Multiwall Carbon Nanotubes in an Ultrasonic Atomization Head CVD Reactor. Journal of Nanomaterials, 2016, 2016, 1-10.	2.7	6
2183	Preparation of Pd/Bacterial Cellulose Hybrid Nanofibers for Dopamine Detection. Molecules, 2016, 21, 618.	3.8	32
2184	Nanomaterials for Cardiac Myocyte Tissue Engineering. Nanomaterials, 2016, 6, 133.	4.1	45
2185	Synthesis and applications of carbon nanomaterials for energy generation and storage. Beilstein Journal of Nanotechnology, 2016, 7, 149-196.	2.8	118
2186	Otimiza��o do processo de dispers��o de nanotubos de carbono em poliuretano termorr��gido. Polimeros, 2016, 26, 81-91.	0.7	5
2187	Carbon-Based Nanomedicine. , 2016, , 139-162.		0

#	ARTICLE	IF	CITATIONS
2188	Functionalization of MWCNTs with Ferrocene- <i>poly(p-phenylene)</i> and Effect on Electrochemical Properties: Application as a Sensing Platform. <i>Electroanalysis</i> , 2016, 28, 2533-2542.	2.9	5
2189	Triazine-Carbon Nanotubes: New Platforms for the Design of Flavin Receptors. <i>Chemistry - A European Journal</i> , 2016, 22, 8879-8888.	3.3	2
2190	A quantum chemistry study of curvature effects on boron nitride nanotubes/nanosheets for gas adsorption. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19944-19949.	2.8	19
2191	Electro-oxidation and Determination of Tripelelennamine Hydrochloride at MWCNT-CTAB Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2016, 28, 523-532.	2.9	6
2192	Role of Process Control Agent in the Synthesis of Multi-Walled Carbon Nanotubes Reinforced Titanium Metal Matrix Powder Mixtures. <i>Advanced Engineering Materials</i> , 2016, 18, 294-303.	3.5	27
2193	Effective Enhancement of Humidity Sensing Characteristics of Novel Thermally Treated MWCNTs/Polyvinylpyrrolidone Film Caused by Interfacial Effect. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600153.	3.7	10
2194	Design und Synthese von Kohlenstoffnanoröhrensegmenten. <i>Angewandte Chemie</i> , 2016, 128, 5222-5245.	2.0	95
2195	Cell Sources and Nanotechnology for Neural Tissue Engineering. , 2016, , 207-226.		0
2196	Unravelling the Structural Changes in α -Helical Peptides on Interaction with Convex, Concave, and Planar Surfaces of Boron-Nitride-Based Nanomaterials. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28246-28260.	3.1	14
2197	Influence of blending protocol on the thermal and electrical properties of HDPE/LLDPE/CNT nanocomposites. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
2198	Body armour materials: from steel to contemporary biomimetic systems. <i>RSC Advances</i> , 2016, 6, 115145-115174.	3.6	76
2200	Kapitel XV. Die Kohlenstoffgruppe (Ä»TetreleÄ«). , 2016, , 994-1215.		0
2201	Nematic phase formation in suspensions of carbon nanotubes. <i>Series in Sof Condensed Matter</i> , 2016, , 775-796.	0.1	0
2202	Highly purified CNTs: an exceedingly efficient catalyst support for PEM fuel cell. <i>RSC Advances</i> , 2016, 6, 32258-32271.	3.6	16
2203	Cu and Cu-Based Nanoparticles: Synthesis and Applications in Catalysis. <i>Chemical Reviews</i> , 2016, 116, 3722-3811.	47.7	2,051
2204	Adsorptive removal of antibiotics from aqueous solution using carbon materials. <i>Chemosphere</i> , 2016, 153, 365-385.	8.2	465
2205	Synergetic effects on the mechanical and fracture properties of epoxy composites with multiscale reinforcements: Carbon nanotubes and short carbon fibers. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	6
2206	Applications of Carbon Nanotubes in Bio-Nanotechnology. , 2016, , 379-408.		1

#	ARTICLE	IF	CITATIONS
2207	An efficient approach to the preparation of polyethylene magnetic nanocomposites. <i>Polymer</i> , 2016, 97, 131-137.	3.8	22
2208	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
2209	Modification of Electrode Surfaces with Metallo Phthalocyanine Nanomaterial Hybrids. , 2016, , 225-275.		8
2210	Exposing residual catalyst in a carbon nanotube sponge. <i>RSC Advances</i> , 2016, 6, 45103-45111.	3.6	9
2211	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
2212	Effect of surface modification on multi-walled carbon nanotubes for catalytic oxidative dehydrogenation using CO ₂ as oxidant. <i>Chemical Engineering Journal</i> , 2016, 301, 115-122.	12.7	18
2213	Carbon Nanotube Networks. , 2016, , 445-458.		0
2214	Mechanistic basis of light induced cytotoxicity of photoactive nanomaterials. <i>NanoImpact</i> , 2016, 3-4, 81-89.	4.5	13
2215	Hydroxylation of multi-walled carbon nanotubes: Enhanced biocompatibility through reduction of oxidative stress initiated cell membrane damage, cell cycle arrestment and extrinsic apoptotic pathway. <i>Environmental Toxicology and Pharmacology</i> , 2016, 47, 124-130.	4.0	10
2216	Highly conductive polymethyl(methacrylate)/multi-wall carbon nanotube composites by modeling a three-dimensional percolated microstructure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 91, 133-139.	7.6	21
2217	Ionic liquids-noncovalently functionalized multi-walled carbon nanotubes decorated with palladium nanoparticles: A promising electrocatalyst for ethanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12358-12368.	7.1	20
2218	AOT assisted preparation of ordered, conducting and dispersible core-shell nanostructured polythiophene “MWCNT nanocomposites. <i>Polymer</i> , 2016, 103, 206-213.	3.8	22
2219	Design and preparation of silica tube/poly(aryl ether ketone) composites with low dielectric constant. <i>RSC Advances</i> , 2016, 6, 72999-73005.	3.6	5
2220	mRNAs and miRNAs in whole blood associated with lung hyperplasia, fibrosis, and bronchioloalveolar adenoma and adenocarcinoma after multiwalled carbon nanotube inhalation exposure in mice. <i>Journal of Applied Toxicology</i> , 2016, 36, 161-174.	2.8	36
2221	Electronic Properties of Carbon Nanotubes and Their Applications in Electrochemical Sensors and Biosensors. , 2016, , 653-664.		0
2222	Electronic Properties of Carbon Nanotubes and Their Applications in Electrochemical Sensors and Biosensors. , 2016, , 653-664.		0
2223	Nanoparticles application in high sensitive aptasensor design. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 85, 85-97.	11.4	66
2224	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

#	ARTICLE	IF	CITATIONS
2225	Influence of Polymer Electronics on Selective Dispersion of Single-Walled Carbon Nanotubes. Chemistry - A European Journal, 2016, 22, 14560-14566.	3.3	37
2226	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
2227	The effect of 3d-metal dopants on the electronic structure of carbon nanotubes. Russian Journal of Inorganic Chemistry, 2016, 61, 726-730.	1.3	0
2228	Graphene-Based Elastomer Nanocomposites: Functionalization Techniques, Morphology, and Physical Properties. Advances in Polymer Science, 2016, , 267-318.	0.8	9
2229	Functional Supramolecular Polypeptides Involving π - π Stacking and Strong Hydrogen-Bonding Interactions: A Conformation Study toward Carbon Nanotubes (CNTs) Dispersion. Macromolecules, 2016, 49, 5374-5385.	4.8	52
2230	Effect of magnetic field on quantum state energies of an electron confined in the core of a double walled carbon nanotube. Physica B: Condensed Matter, 2016, 498, 55-58.	2.7	3
2231	Carbon nanoarchitectures by design: pre-organizing squaric acid with urea. Asia-Pacific Journal of Chemical Engineering, 2016, 11, 866-873.	1.5	9
2232	Physicochemical, Electronic, and Mechanical Properties of Nanoparticles. , 2016, , 77-123.		1
2233	9 Carbon Nanotubes: Update and New Pathways. , 2016, , 93-150.		0
2234	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
2235	Robust Denaturation of Villin Headpiece by MoS ₂ Nanosheet: Potential Molecular Origin of the Nanotoxicity. Scientific Reports, 2016, 6, 28252.	3.3	33
2236	A three-dimensional vertically aligned carbon nanotube/polyaniline composite as a supercapacitor electrode. RSC Advances, 2016, 6, 110592-110599.	3.6	15
2237	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
2238	Nanocarbon synthesis by high-temperature oxidation of nanoparticles. Scientific Reports, 2016, 6, 24109.	3.3	15
2239	Trivacancy defects and their effects on the electronic and vibrational properties of single-walled carbon nanotubes. , 2016, , .		0
2240	Synthesis and Characterization of Fe-doped Aluminosilicate Nanotubes with Enhanced Electron Conductive Properties. Journal of Visualized Experiments, 2016, , .	0.3	1
2241	Thermal analysis of polyethylene-X% carbon nanotubes. Nanoscale Research Letters, 2016, 11, 97.	5.7	12
2242	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

#	ARTICLE	IF	CITATIONS
2243	Review“Nanocarbon-Based Multi-Functional Biointerfaces: Design and Applications. ECS Journal of Solid State Science and Technology, 2016, 5, M3045-M3053.	1.8	4
2244	Tethered anthracene pair as molecular tweezers for post-production separation of single-walled carbon nanotubes. Chemical Physics Letters, 2016, 657, 190-194.	2.6	2
2245	Effective separation of single-walled carbon nanotubes and their very different electrochemical behaviours. Chemical Communications, 2016, 52, 9287-9290.	4.1	11
2246	Nano composite system based on fullerene-functionalized carbon nanotubes for simultaneous determination of levodopa and acetaminophen. Measurement: Journal of the International Measurement Confederation, 2016, 91, 162-167.	5.0	27
2247	The method development for analysis of MoO ₃ in Urtica dioica (Nettle) by adsorptive stripping voltammetry in anodic area in the presence of Calcon as liquid complexing agent. Journal of Molecular Liquids, 2016, 219, 883-889.	4.9	0
2248	Epitaxial crystallization of precisely fluorine substituted polyethylene induced by carbon nanotube and reduced graphene oxide. Polymer, 2016, 83, 205-213.	3.8	11
2249	Study on the interaction of metallocene catalysts with the surface of carbon nanotubes and its influence on the catalytic properties. 1. Investigation of possible complex structures and the influence on structural and electronic properties. Journal of Organometallic Chemistry, 2016, 818, 154-162.	1.8	3
2250	Molybdenum nitride/nitrogen-doped multi-walled carbon nanotubes hybrid nanocomposites as novel electrochemical sensor for detection l-cysteine. Sensors and Actuators B: Chemical, 2016, 237, 581-590.	7.8	47
2251	Novel Polymeric Nanoformulation of Mancozeb “ An Eco-Friendly Nanomaterial. International Journal of Nanoscience, 2016, 15, 1650016.	0.7	25
2252	Design and Synthesis of Carbon Nanotube Segments. Angewandte Chemie - International Edition, 2016, 55, 5136-5158.	13.8	300
2253	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
2254	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
2255	Strengthening Mechanisms in Multiwalled Carbon Nanotubes Reinforced Co“W Pulse Electrodeposited Coatings. Materials and Manufacturing Processes, 2016, 31, 48-52.	4.7	8
2256	Capacitive Deionization for Desalination Using Nanostructured Electrodes. Analytical Letters, 2016, 49, 1641-1655.	1.8	25
2257	Improving the filler dispersion of polychloroprene/carboxylated multi-walled carbon nanotubes composites by non-covalent functionalization of carboxylated ionic liquid. Composites Science and Technology, 2016, 123, 171-178.	7.8	45
2258	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
2259	Development of new potentiometric sensors for the determination of proganil hydrochloride in serum and urine. Chinese Chemical Letters, 2016, 27, 857-863.	9.0	13
2260	Isomorphic substitution of aluminium by iron into single-walled alumino-silicate nanotubes: A physico-chemical insight into the structural and adsorption properties of Fe-doped imogolite. Microporous and Mesoporous Materials, 2016, 224, 229-238.	4.4	25

#	ARTICLE	IF	CITATIONS
2261	Recent development of carbon electrode materials and their bioanalytical and environmental applications. <i>Chemical Society Reviews</i> , 2016, 45, 715-752.	38.1	249
2262	Towards high-efficiency nanoelectrocatalysts for oxygen reduction through engineering advanced carbon nanomaterials. <i>Chemical Society Reviews</i> , 2016, 45, 1273-1307.	38.1	589
2263	Development of Voltammetric Method for the Determination of an Anticancer Drug, 5-Fluorouracil, at a Multiwalled Carbon Nanotubes Paste Electrode. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 814-820.	0.6	6
2264	Enhanced catalytic activity of the surface modified TiO ₂ -MWCNT nanocomposites under visible light. <i>Journal of Colloid and Interface Science</i> , 2016, 465, 93-105.	9.4	28
2265	Thermoset-Thermoplastic Nanostructured Blends. , 2016, , 1-13.		2
2266	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
2267	Layer-by-layer assembled (high-energy carbon nanotube/conductive carbon nanotube) _n nanocomposites for high volumetric capacitance supercapacitor electrodes. <i>RSC Advances</i> , 2016, 6, 21844-21853.	3.6	14
2268	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
2269	Carbon nanotube dispersion in nematic liquid crystals: An overview. <i>Progress in Materials Science</i> , 2016, 80, 38-76.	32.8	157
2270	Solvent-free synthesis of trisphenols as starting precursors for the synthesis of calix[4]arenes using sulfonated multi-walled carbon nanotubes. <i>New Journal of Chemistry</i> , 2016, 40, 3400-3412.	2.8	11
2271	Identifying and understanding the effect of milling energy on the synthesis of carbon nanotubes reinforced titanium metal matrix composites. <i>Carbon</i> , 2016, 99, 384-397.	10.3	77
2272	Tailored nanoparticles and wires of Sn, Ge and Pb inside carbon nanotubes. <i>Carbon</i> , 2016, 101, 352-360.	10.3	9
2273	Multi-stimuli-responsive self-healing metallo-supramolecular polymer nanocomposites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3324-3334.	10.3	73
2274	Structure, Synthesis, and Application of Nanoparticles. , 2016, , 19-76.		12
2275	Selective dispersion of single-walled carbon nanotubes with electron-rich fluorene-based copolymers. <i>RSC Advances</i> , 2016, 6, 25733-25740.	3.6	15
2276	Gold-coated carbon nanotube electrode arrays: Immunosensors for impedimetric detection of bone biomarkers. <i>Biosensors and Bioelectronics</i> , 2016, 77, 580-588.	10.1	52
2277	Nano-Bioelectronics. <i>Chemical Reviews</i> , 2016, 116, 215-257.	47.7	530
2278	Molecular simulation of adsorption and separation of pure noble gases and noble gas mixtures on single wall carbon nanotubes. <i>Computational Materials Science</i> , 2016, 114, 160-166.	3.0	23

#	ARTICLE	IF	CITATIONS
2279	Nanomaterials towards fabrication of cholesterol biosensors: Key roles and design approaches. Biosensors and Bioelectronics, 2016, 75, 196-205.	10.1	94
2280	Efficient adsorption of organic dyes on a flexible single-wall carbon nanotube film. Journal of Materials Chemistry A, 2016, 4, 1191-1194.	10.3	48
2281	Nanocomposites. Advanced Structured Materials, 2016, , 65-115.	0.5	0
2282	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
2283	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
2284	How carbo-benzenes fit molecules in their inner core as do biologic ion carriers?. Structural Chemistry, 2016, 27, 249-259.	2.0	6
2285	Characterization of Carbon Nanotube Based Composites under Consideration of Defects. Advanced Structured Materials, 2016, , .	0.5	11
2286	Fabrication and magnetic properties of electrospun cobalt nanofibers. Materials and Design, 2016, 89, 543-548.	7.0	14
2287	Noninvasive cellular internalization of silver molecules by chitosan nanoneedles: a novel nanocarrier. Journal of Biomolecular Structure and Dynamics, 2016, 34, 971-982.	3.5	3
2288	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
2289	Aptamer-based nanobiosensors. Biosensors and Bioelectronics, 2016, 76, 2-19.	10.1	333
2290	Electrochemiluminescence sensor for melamine based on a $\text{Ru}(\text{bpy})_3^{3+}$ /doped silica nanoparticles/carboxylic acid functionalized multi-walled carbon nanotubes/Nafion composite film modified electrode. Talanta, 2016, 146, 844-850.	5.5	23
2291	Promising PLA-functionalized MWCNT composites to use in nanotechnology. Polymer Composites, 2016, 37, 3066-3072.	4.6	10
2292	Architectures of nano-biointerfaces: relevance to future biosensing, environment and energy applications. International Journal of Parallel, Emergent and Distributed Systems, 2017, 32, 3-16.	1.0	0
2293	Carbon nanotubes: Their role in engineering applications and challenges ahead. Inorganic and Nano-Metal Chemistry, 2017, 47, 188-196.	1.6	4
2294	Effect of the vinyl modification of multi-walled carbon nanotubes on the performances of waste poly(ethylene terephthalate)-based nanocomposites. Journal of Composite Materials, 2017, 51, 491-505.	2.4	12
2295	MWCNT-reinforced polyarylene ether nitrile nanocomposites. High Performance Polymers, 2017, 29, 441-449.	1.8	5
2296	A non-enzymatic glucose sensor based on NiO nanoparticles/functionalized SBA 15/MWCNT-modified carbon paste electrode. Ionics, 2017, 23, 1553-1562.	2.4	58

#	ARTICLE	IF	CITATIONS
2297	Modification of carbon nanotubes with fluorinated ionic liquid for improving processability of fluoro-ethylene-propylene. <i>European Polymer Journal</i> , 2017, 87, 398-405.	5.4	17
2298	Encapsulation of Nanomaterials and Production of Nanofertilizers and Nanopesticides: Insecticides for Agri-food Production and Plant Disease Treatment. <i>Soil Biology</i> , 2017, , 481-498.	0.8	2
2299	Carbon nanotube-based nanocomposites and their applications. <i>Journal of Adhesion Science and Technology</i> , 2017, 31, 1977-1997.	2.6	105
2300	Novel immunochromatographic assay on cotton thread based on carbon nanotubes reporter probe. <i>Talanta</i> , 2017, 167, 379-384.	5.5	42
2301	Periodicity of band gaps of chiral $\hat{\pm}$ -graphyne nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7919-7922.	2.8	11
2302	Promotion of Water Channels for Enhanced Ion Transport in 14 nm Diameter Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11009-11015.	8.0	20
2303	The influence of catalyst factors for sustainable production of hydrocarbons via Fischer-Tropsch synthesis. <i>Reviews in Chemical Engineering</i> , 2017, 33, .	4.4	19
2304	Nanotechnology-based membrane-separation process for drinking water purification. , 2017, , 355-389.		7
2305	Microstructure and mechanical properties of carbon nanotubes reinforced titanium matrix composites fabricated via spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 688, 505-523.	5.6	123
2306	Polybenzoxazine Nanocomposites. , 2017, , 767-800.		6
2307	3.31 Carbon Nanotube-Based Sensors: Overview â†. , 2017, , 690-702.		1
2308	Multiwalled carbon nanotubesâ€zinc oxide nanocomposites as low temperature toluene gas sensor. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	26
2309	Electrocatalytic Oxidation of Bisphenol A at Oxidized Multi-walled Carbon Nanotube Modified Carbon Paste Electrode. <i>Analytical Chemistry Letters</i> , 2017, 7, 52-64.	1.0	11
2310	Surface functionalized carbon nanotube with polyvinylidene fluoride: Preparation, characterization, current-voltage and ferroelectric hysteresis behaviour of polymer nanocomposite films. <i>AIIP Advances</i> , 2017, 7, .	1.3	24
2311	Electrochemiluminescence DNA biosensor based onâthe use of gold nanoparticle modified graphite-like carbon nitride. <i>Mikrochimica Acta</i> , 2017, 184, 2587-2596.	5.0	17
2312	Improving the strengthening efficiency of carbon nanotubes in titanium metal matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 696, 10-25.	5.6	87
2313	Dependency of Nanodiamond Particle Size and Outermost-Surface Composition on Organo-Modification: Evaluation by Formation of Organized Molecular Films and Nanohybridization with Organic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14379-14390.	8.0	13
2314	Dispersion state and rheological characteristics of carbon nanotube suspensions. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 52, 369-375.	5.8	13

#	ARTICLE	IF	CITATIONS
2315	Process Principles for Large-Scale Nanomanufacturing. Annual Review of Chemical and Biomolecular Engineering, 2017, 8, 201-226.	6.8	10
2316	Nanotechnology-Based Solution for Offshore Zinc Removal Water Treatment Technology. , 2017, , .		1
2317	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
2318	Decoration of tricarboxylic and monocarboxylic aryl diazonium functionalized multi-wall carbon nanotubes with iron nanoparticles. Journal of Materials Science, 2017, 52, 9648-9660.	3.7	29
2319	Methylcellulose stabilized multi-walled carbon nanotubes dispersion for sustainable cement composites. Construction and Building Materials, 2017, 146, 76-85.	7.2	47
2320	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
2321	Homogenization for Dispersion and Reduction in Length of Carbon Nanotubes. Transactions of the Indian Institute of Metals, 2017, 70, 2629-2639.	1.5	8
2322	Self-assembly Thin Films for Sensing. , 2017, , 141-164.		2
2323	Electrochemical detection of Epinephrine using Polyaniline nanocomposite films doped with TiO ₂ and RuO ₂ Nanoparticles on Multi-walled Carbon Nanotube. Electrochimica Acta, 2017, 243, 331-348.	5.2	74
2324	Construction of molecule-selective mixed matrix membranes with confined mass transfer structure. Chinese Journal of Chemical Engineering, 2017, 25, 1563-1580.	3.5	27
2325	Synthesis, characterization and photoluminescence properties of tetra(aminophenyl) porphyrin covalently linked to multi-walled carbon nanotubes. Journal of Chemical Sciences, 2017, 129, 699-706.	1.5	19
2326	Fabrication of graphene nanosheetâ€“multiwalled carbon nanotubeâ€“polyaniline modified carbon paste electrode for the simultaneous electrochemical determination of terbutaline sulphate and guaifenesin. New Journal of Chemistry, 2017, 41, 7061-7072.	2.8	29
2327	Surface modification by self-assembled monolayer and carbon nanotubes. Emerging Materials Research, 2017, 6, 15-20.	0.7	3
2328	General Oriented Formation of Carbon Nanotubes from Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 8212-8221.	13.7	777
2329	Paperâ€“Based Electrodes for Flexible Energy Storage Devices. Advanced Science, 2017, 4, 1700107.	11.2	361
2330	Enhanced NADH Oxidation Using Polytyramine/Carbon Nanotube Modified Electrodes for Ethanol Biosensing. Electroanalysis, 2017, 29, 1985-1993.	2.9	13
2331	Bottom-up synthesis of fully sp ² hybridized three-dimensional microporous graphitic frameworks as metal-free catalysts. Journal of Materials Chemistry A, 2017, 5, 12080-12085.	10.3	44
2332	Ultrafast carbon nanotube growth by microwave irradiation. Diamond and Related Materials, 2017, 77, 65-71.	3.9	20

#	ARTICLE	IF	CITATIONS
2333	Large π -Extension of Carbon Nanorings by Incorporating Hexa-peri-hexabenzocoronenes. Synlett, 2017, 28, 1671-1677.	1.8	11
2334	The electronic properties of chiral silicon nanotubes. Superlattices and Microstructures, 2017, 109, 457-462.	3.1	18
2335	Dependence of electron binding energies of semiconducting double walled carbon nanotube on magnetic field and inter-wall distance. Computational Condensed Matter, 2017, 10, 31-34.	2.1	0
2336	Negative differential resistance and switching behavior in single wall bamboo-shape carbon nanotubes based molecular device: A first-principles study nanoscale device design. Materials Research Bulletin, 2017, 91, 148-154.	5.2	7
2337	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
2338	Application of Carbon-Based Nanomaterials as Biosensor. , 2017, , 87-127.		7
2339	Raman spectroscopy enabled investigation of carbon nanotubes quality upon dispersion in aqueous environments. Biointerphases, 2017, 12, 011004.	1.6	14
2340	Preparation and properties of dual-matrix carbon nanotube-reinforced aluminum composites. Composites Part A: Applied Science and Manufacturing, 2017, 99, 84-93.	7.6	71
2341	Charge-induced electrochemical actuation of armchair carbon nanotube bundles. Carbon, 2017, 118, 278-284.	10.3	12
2342	Perylene bisimide metal complexes as new MWCNTs dispersants: Role of the metal ion in stability and temperature sensing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 516, 32-38.	4.7	4
2343	Geometrically nonlinear dynamic behavior on detection sensitivity of carbon nanotube-based mass sensor using finite element method. Finite Elements in Analysis and Design, 2017, 126, 39-49.	3.2	11
2344	High-Performance Field-Emission Properties of Boron Nitride Nanotube Field Emitters. ACS Applied Materials & Interfaces, 2017, 9, 1562-1568.	8.0	28
2345	A microporous Cd-MOF based on a hexavalent silicon-centred connector and luminescence sensing of small molecules. New Journal of Chemistry, 2017, 41, 1137-1141.	2.8	17
2346	Keratoconus. Essentials in Ophthalmology, 2017, , .	0.1	13
2347	Carbon Nanomaterials: An Upcoming Therapy for Corneal Biomechanic Enhancement. Essentials in Ophthalmology, 2017, , 253-262.	0.1	0
2348	Cross-reactivities of mammalian MAPKs antibodies in rotifer and copepod: Application in mechanistic studies in aquatic ecotoxicology. Marine Pollution Bulletin, 2017, 124, 614-623.	5.0	16
2349	A novel method for the rapid detection of microbes in blood using pleurocidin antimicrobial peptide functionalized piezoelectric sensor. Journal of Microbiological Methods, 2017, 133, 69-75.	1.6	32
2350	Electrochemical Capacitors. Springer Handbooks, 2017, , 563-589.	0.6	5

#	ARTICLE	IF	CITATIONS
2351	N-Doped porous carbon nanotubes: synthesis and application in catalysis. Chemical Communications, 2017, 53, 929-932.	4.1	43
2352	Adsorptive anodic stripping differential pulse voltammetric determination of CellCept at Fe ₃ O ₄ nanoparticles decorated multi-walled carbon nanotubes modified glassy carbon electrode. Analytical Biochemistry, 2017, 520, 1-8.	2.4	12
2353	In situ Raman spectroelectrochemical study of potential-induced molecular encapsulation of Î²-carotene inside single-walled carbon nanotubes. Journal of Electroanalytical Chemistry, 2017, 800, 156-161.	3.8	6
2354	On-Surface Synthesis and Characterization of Honeycombene Oligophenylene Macrocycles. ACS Nano, 2017, 11, 134-143.	14.6	39
2355	Interfacial Reaction During High Energy Ball Milling Dispersion of Carbon Nanotubes into Ti6Al4V. Journal of Materials Engineering and Performance, 2017, 26, 6047-6056.	2.5	11
2356	Investigation of Hybrid Conjugated/Nonconjugated Polymers for Sorting of Single-Walled Carbon Nanotubes. Macromolecules, 2017, 50, 8002-8009.	4.8	13
2357	Transverse Vibration of Tapered Single-Walled Carbon Nanotubes Embedded in Viscoelastic Medium. Brazilian Journal of Physics, 2017, 47, 657-671.	1.4	0
2358	Far-red fluorescent carbon nano-onions as a biocompatible platform for cellular imaging. RSC Advances, 2017, 7, 45676-45681.	3.6	50
2359	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
2360	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
2361	Electronic transport properties and first-principles study of Î³-graphyne, and Î³-BN graphyne monolayers. Superlattices and Microstructures, 2017, 111, 1162-1171.	3.1	4
2362	New insights into the spectral, thermal and morphological analysis of time dependent structural changes during open end functionalization of single walled carbon nanotubes. New Journal of Chemistry, 2017, 41, 12159-12171.	2.8	12
2363	Recent strategies for the removal of iron from water: A review. Journal of Water Process Engineering, 2017, 19, 291-304.	5.6	135
2364	Energetic Basis of Single-Wall Carbon Nanotube Enantiomer Recognition by Single-Stranded DNA. Journal of Physical Chemistry C, 2017, 121, 17479-17487.	3.1	12
2365	Cost-effective synthesis of bamboo-structure carbon nanotubes from coal for reversible lithium storage. RSC Advances, 2017, 7, 34770-34775.	3.6	37
2366	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
2367	Polymeric monolith column composited with multiwalled carbon nanotubesâ€”cyclodextrin for the selective extraction of psoralen and isopsoralen. Journal of Separation Science, 2017, 40, 3718-3724.	2.5	7
2368	Modification of thin-film polyamide membrane with multi-walled carbon nanotubes by interfacial polymerization. Applied Water Science, 2017, 7, 4341-4350.	5.6	33

#	ARTICLE	IF	CITATIONS
2369	Palladium Stabilized by Amino-Vinyl Silica Functionalized Magnetic Carbon Nanotube: Application in Suzuki–Miyaura and Heck–Mizoroki Coupling Reactions. <i>Catalysis Letters</i> , 2017, 147, 2674-2687.	2.6	30
2370	Different modified multi-walled carbon nanotube–based anodes to improve the performance of microbial fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22786-22795.	7.1	52
2371	Confinement effect of carbon nanotubes on the product distribution of selective hydrogenation of cinnamaldehyde. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1315-1321.	14.0	37
2372	Carbon Nanotube Thread Electrochemical Cell: Detection of Heavy Metals. <i>Analytical Chemistry</i> , 2017, 89, 9654-9663.	6.5	41
2373	Hybrid cathode catalyst with synergistic effect between carbon composite catalyst and Pt for ultra-low Pt loading in PEMFCs. <i>Catalysis Today</i> , 2017, 295, 65-74.	4.4	26
2374	Electrochemical sensor based on multiwalled carbon nanotube and gold nanoparticle modified electrode for the sensitive detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 513-522.	7.8	192
2375	Adsorption of ethylene on Cu(410): A transfer-matrix and Monte Carlo study. <i>Surface Science</i> , 2017, 664, 201-206.	1.9	2
2376	Recent Advances of Carbon Nanotubes–based Electrochemical Immunosensors for the Detection of Protein Cancer Biomarkers. <i>Electroanalysis</i> , 2017, 29, 662-675.	2.9	35
2377	CNT based photoelectrodes for PEC generation of hydrogen: A review. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 3994-4006.	7.1	39
2378	Hybrid composites using natural polymer blends and carbon nanostructures. , 2017, , 57-74.		0
2379	Effect of carbon nanotubes on friction and wear of a piston ring and cylinder liner system under dry and lubricated conditions. <i>Friction</i> , 2017, 5, 147-154.	6.4	39
2380	Electromagnetic Interference Shielding of Polymer/Nanodiamond, Polymer/Carbon Nanotube, and Polymer/Nanodiamond–Carbon Nanotube Nanobifiller Composite: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 347-363.	1.9	23
2381	Chemical Blowing Approach for Ultramicroporous Carbon Nitride Frameworks and Their Applications in Gas and Energy Storage. <i>Advanced Functional Materials</i> , 2017, 27, 1604658.	14.9	92
2382	Functionalized multi-wall carbon nanotubes as an efficient additive for electrochemical DNA sensor. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 652-659.	7.8	41
2383	Thermal effects on nonlinear vibration of a carbon nanotube-based mass sensor using finite element analysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 125-136.	2.7	14
2384	Carbon nanotube using spray pyrolysis: Recent scenario. <i>Journal of Alloys and Compounds</i> , 2017, 691, 970-982.	5.5	39
2385	High electrocatalytic oxidation of folic acid at carbon paste electrode bulk modified with iron nanoparticle-decorated multiwalled carbon nanotubes and its application in food and pharmaceutical analysis. <i>Ionics</i> , 2017, 23, 201-212.	2.4	14
2386	Carbon nanotubes from renewable feedstocks: A move toward sustainable nanofabrication. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	47

#	ARTICLE	IF	CITATIONS
2387	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
2388	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
2389	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
2390	Memorizing UV exposure energy in resistance "A smart patch based on conductive polymer. , 2017, , .		2
2391	Observing Fluid Flow Through Carbon Nanotube Arrays and Nanoporous Membranes. , 2017, , .		0
2392	Facilitating Fluid Flow Through Carbon Nanotube Arrays Using 3D Printing. , 2017, , .		0
2393	Enhanced competitive adsorption of CO ₂ and H ₂ on graphyne: A density functional theory study. AIP Advances, 2017, 7, .	1.3	15
2394	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
2395	High Performance Polymer Nanocomposites for Structural Applications. , 2017, , 159-194.		7
2396	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
2397	Flexible humidity sensor based on PEDOT films. , 2017, , .		4
2398	Chemically modified multiwalled carbon nanotube carbon paste electrode for copper determination. Arabian Journal of Chemistry, 2017, 10, S2934-S2943.	4.9	23
2399	High-performance mixed-matrix membranes with altered interfacial and surface chemistry through benign reinforcement of functionalized carbon nanotubes of different configurations. EXPRESS Polymer Letters, 2017, 11, 565-580.	2.1	2
2400	Construction of a New Modified Nano-Composite Tm ³⁺ - Carbon Paste Electrode Based on N, N'-bis (pyridine-2-carboxamido)-2- aminobenzylamine. International Journal of Electrochemical Science, 2017, , 8315-8326.	1.3	4
2401	Modelos de percolação elétrica aplicados para compósitos poliméricos condutores. Polimeros, 2017, 27, 1-13.	0.7	9
2402	The Utilization of Multiple-Walled Carbon Nanotubes in Polymer Modified Bitumen. Materials, 2017, 10, 416.	2.9	47
2403	Polymeric Nanocomposite Membranes for Next Generation Pervaporation Process: Strategies, Challenges and Future Prospects. Membranes, 2017, 7, 53.	3.0	93
2404	Synthesis of Multi-Walled Carbon Nanotubes from Plastic Waste Using a Stainless-Steel CVD Reactor as Catalyst. Nanomaterials, 2017, 7, 284.	4.1	36

#	ARTICLE	IF	CITATIONS
2405	Grand Challenges in Translational Materials Research. <i>Frontiers in Materials</i> , 2017, 4, .	2.4	3
2406	Structural Derivative and Electronic Property of Armchair Carbon Nanotubes from Carbon Clusters. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-11.	2.7	6
2407	Recycling of polymer-polymer composites. , 2017, , 263-277.		16
2408	Electrochemical Determination of Caffeine in Oolong Tea Based on Polyelectrolyte Functionalized Multi-Walled Carbon Nanotube. <i>International Journal of Electrochemical Science</i> , 2017, 12, 2552-2562.	1.3	15
2409	Fabrication of a New Modified Tm ³⁺ - Carbon Paste Sensor Using Multi-Walled Carbon Nanotubes (MWCNTs) and Nanosilica Based on 4-Hydroxy Salophen. <i>International Journal of Electrochemical Science</i> , 2017, , 2647-2657.	1.3	8
2410	A Highly Selective and Sensitive Detection of Ellagic Acid by Using Ethylenediamine Ligand Based Cobalt (II) Complex Modified Glassy Carbon Electrode. <i>International Journal of Electrochemical Science</i> , 2017, 12, 6829-6841.	1.3	12
2411	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. <i>Arabian Journal of Chemistry</i> , 2018, 11, 149-158.	4.9	76
2412	CNT Applications in Drug and Biomolecule Delivery. , 2018, , 61-64.		12
2413	Synthesis and Chemical Modification of Graphene. , 2018, , 107-119.		0
2414	Graphene Applications in Sensors. , 2018, , 125-132.		0
2416	Medical and Pharmaceutical Applications of Graphene. , 2018, , 149-150.		2
2417	Graphene Applications in Specialized Materials. , 2018, , 151-154.		0
2418	Miscellaneous Applications of Graphene. , 2018, , 155-155.		0
2419	Basic Electrochromics of CPs. , 2018, , 251-282.		0
2420	Batteries and Energy Devices. , 2018, , 575-600.		0
2421	Brief, General Overview of Applications. , 2018, , 43-44.		0
2422	CNT Applications in Batteries and Energy Devices. , 2018, , 49-52.		1
2423	A p-type multi-wall carbon nanotube/Te nanorod composite with enhanced thermoelectric performance. <i>RSC Advances</i> , 2018, 8, 8739-8746.	3.6	24

#	ARTICLE	IF	CITATIONS
2424	The effects of carbon materials with different dimensionalities on the flow instabilities of LLDPE (linear low density polyethylene). <i>Polymer</i> , 2018, 142, 144-154.	3.8	7
2425	Indirect functionalization of multiwalled carbon nano tubes through non-covalent interaction of functional polyesters. <i>Polymer</i> , 2018, 141, 213-220.	3.8	26
2426	Polyethylene glycol functionalized carbon nanotubes/gelatin-chitosan nanocomposite: An approach for significant drug release. <i>Bioactive Materials</i> , 2018, 3, 236-244.	15.6	63
2427	Rh-Based Nanocatalysts for Heterogeneous Reactions. <i>ChemNanoMat</i> , 2018, 4, 451-466.	2.8	25
2428	Multi-wall Carbon Nanotubes Decorated with Bismuth Oxide Nanocrystals Using Infrared Irradiation and Diazonium Chemistry. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 1402-1413.	3.7	10
2429	Room temperature amine sensors enabled by sidewall functionalization of single-walled carbon nanotubes. <i>RSC Advances</i> , 2018, 8, 5578-5585.	3.6	30
2430	Nanostructured Electrochemical Biosensors for Label-Free Detection of Water- and Food-Borne Pathogens. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 6055-6072.	8.0	115
2431	Decoration of Polyfluorene-Wrapped Carbon Nanotubes via Strain-Promoted Azide-Alkyne Cycloaddition. <i>Macromolecules</i> , 2018, 51, 755-762.	4.8	22
2432	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
2433	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
2434	Filtered carbon nanotubes-based electrodes for rapid sensing and monitoring of L-tyrosine in plasma and whole blood samples. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 762-767.	7.8	32
2435	Tip and inner walls modification of single-walled carbon nanotubes (3.5Ånm diameter) and preparation of polyamide/modified CNT nanocomposite reverse osmosis membrane. <i>Journal of Experimental Nanoscience</i> , 2018, 13, 11-26.	2.4	12
2436	Quantification of DNA/SWCNT Solvation Differences by Aqueous Two-Phase Separation. <i>Langmuir</i> , 2018, 34, 1834-1843.	3.5	13
2437	Nanodispersion in transparent polymer matrix with high melting temperature contributing to the hybridization of heat-resistant organo-modified nanodiamond. <i>Polymer Bulletin</i> , 2018, 75, 4145-4163.	3.3	16
2438	Influence of surface-functionalized multi-walled carbon nanotubes on CdS nanohybrids for effective photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 294-303.	20.2	78
2439	Evaluation of the methods of dispersion of carbon nanotubes (CNTs) in titanium and its alloys: Literature review. , 2018, , .		3
2440	Direct growth of carbon nanofiber forest on nickel foam without any external catalyst. <i>Diamond and Related Materials</i> , 2018, 81, 70-76.	3.9	21
2441	Synergetically Improving the Strength and the Toughness of Epoxy Based Composites with Multiscale Reinforcements for Direct Extrusion Fabrication. <i>Polymer Science - Series A</i> , 2018, 60, 239-248.	1.0	0

#	ARTICLE	IF	CITATIONS
2442	Theoretical studies and molecular dynamics simulations on ion transport properties in nanochannels and nanopores. Chinese Physics B, 2018, 27, 024702.	1.4	1
2443	Heteroatom-doped carbonaceous electrode materials for high performance energy storage devices. Sustainable Energy and Fuels, 2018, 2, 1398-1429.	4.9	59
2444	Functionalization of polyfluorene-wrapped carbon nanotubes <i>via</i> copper-mediated azide-alkyne cycloaddition. Polymer Chemistry, 2018, 9, 2873-2879.	3.9	23
2445	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
2446	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
2447	Inorganic Membranes for Hydrogen Separation. Separation and Purification Reviews, 2018, 47, 229-266.	5.5	65
2448	Effective lubricant additive of nano-Ag/MWCNTs nanocomposite produced by supercritical CO2 synthesis. Tribology International, 2018, 118, 180-188.	5.9	49
2449	The development of collagen based composite scaffolds for bone regeneration. Bioactive Materials, 2018, 3, 129-138.	15.6	310
2450	Designer carbon nanotubes for contaminant removal in water and wastewater: A critical review. Science of the Total Environment, 2018, 612, 561-581.	8.0	237
2451	Scalable synthesis of sub-100 nm hollow carbon nanospheres for energy storage applications. Nano Research, 2018, 11, 1822-1833.	10.4	29
2452	Intercalation of rigid molecules between carbon nanotubes for adsorption enhancement of typical pharmaceuticals. Chemical Engineering Journal, 2018, 332, 102-108.	12.7	34
2453	An electrodeposition approach to obtaining carbon nanotubes embedded copper powders for the synthesis of copper matrix composites. Journal of Alloys and Compounds, 2018, 735, 1357-1362.	5.5	28
2455	Field emission behavior of boron nitride nanotubes. Nanotechnology, 2018, 29, 085203.	2.6	8
2456	Nanoparticles of Ce, Sr, Co in and out the multi-walled carbon nanotubes applied for dry reforming of methane. Applied Catalysis A: General, 2018, 550, 297-307.	4.3	41
2457	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
2458	Nanotechnology-based recent approaches for sensing and remediation of pesticides. Journal of Environmental Management, 2018, 206, 749-762.	7.8	214
2459	Improving strength and high electrical conductivity of multi-walled carbon nanotubes/copper composites fabricated by electrodeposition and powder metallurgy. Journal of Alloys and Compounds, 2018, 735, 905-913.	5.5	29
2460	A Review of Natural Rubber Nanocomposites Based on Carbon Nanotubes. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2018, 21, 293-310.	1.1	29

#	ARTICLE	IF	CITATIONS
2461	Mechanical and thermal properties of cellulose nanofiber composites with nanodiamond as nanocarbon filler. <i>Nanocomposites</i> , 2018, 4, 127-136.	4.2	13
2462	Lyotropic Liquid Crystals Incorporated with Different Kinds of Carbon Nanomaterials or Biomolecules. , 2018, , .		0
2463	Methyltrimethoxysilane silica aerogel composite with carboxyl-functionalised multi-wall carbon nanotubes. <i>International Journal of Nanotechnology</i> , 2018, 15, 587.	0.2	3
2465	Biomedical Applications and Toxicological Aspects of Functionalized Carbon Nanotubes. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2018, 35, 293-330.	2.2	39
2466	Effect of Preloaded Ferrocene in Co-pyrolysis of Kerosene/Ferrocene on CNT Synthesis. <i>Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy</i> , 2018, 97, 180-185.	0.2	4
2467	A Novel of Multi-wall Carbon Nanotubes/Chitosan Electrochemical Sensor for Determination of Cupric ion. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 322, 042018.	0.6	2
2468	Development of Nanocomposite-Based Strain Sensor with Piezoelectric and Piezoresistive Properties. <i>Sensors</i> , 2018, 18, 3789.	3.8	21
2469	Carbon Nanotubes for Quantum Dot Photovoltaics with Enhanced Light Management and Charge Transport. <i>ACS Photonics</i> , 2018, 5, 4854-4863.	6.6	4
2471	Carbon Nanostructures as a Multi-Functional Platform for Sensing Applications. <i>Chemosensors</i> , 2018, 6, 60.	3.6	28
2472	Effect of bimodal surface modification of graphyne on enhanced H ₂ storage: Density functional theory study. <i>AIP Advances</i> , 2018, 8, 115034.	1.3	8
2473	Study of the Enzyme-Free Glucose Biosensor Based on Ni ²⁺ @ Poly (Neutral Red) Hybrid Nanocomposites (Ni ²⁺ @PNR HN)/MWCNTs/Nafion Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2018, , 1754-1772.	1.3	2
2474	Perspective of catalysts for (Tri) reforming of natural gas and flue gas rich in CO ₂ . <i>Applied Catalysis A: General</i> , 2018, 568, 23-42.	4.3	32
2475	The Porous Carbon Nanotube-Cellulose Papers as Current Collector and Electrode for Lithium Ion Battery and Supercapacitor Applications. , 2018, , .		0
2476	Trigraphene and its Derivates: A Novel Carbon Allotrope. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 1279-1282.	1.9	7
2477	Abnormal Anionic Porphyrin Sensing Effect for HER2 Gene Related DNA Detection via Impedance Difference between MWCNTs and Single-Stranded DNA or Double-Stranded DNA. <i>Molecules</i> , 2018, 23, 2688.	3.8	3
2478	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
2479	Pillar[5]arene-Decorated Single-Walled Carbon Nanotubes. <i>ACS Omega</i> , 2018, 3, 13935-13943.	3.5	14
2480	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. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401878528.	1.6	41

#	ARTICLE	IF	CITATIONS
2481	The effect of multi-walled carbon nanotubes on the rheological properties and hydration process of cement pastes. <i>Construction and Building Materials</i> , 2018, 189, 947-954.	7.2	29
2482	A Novel Strategy to Achieve Enhanced Reinforcement and Decreased Damping in CNT-Nanocomposites. <i>Proceedings (mdpi)</i> , 2018, 2, 427.	0.2	0
2483	Nanobiosensors for Detection of Micropollutants. <i>Environmental Chemistry for A Sustainable World</i> , 2018, , 125-158.	0.5	8
2484	Preparation of novel multi-walled carbon nanotubes nanocomposite adsorbent via RAFT technique for the adsorption of toxic copper ions. <i>Science of the Total Environment</i> , 2018, 640-641, 303-314.	8.0	37
2485	Multicolor Ultralowâ€Threshold Random Laser Assisted by Verticalâ€Graphene Network. <i>Advanced Optical Materials</i> , 2018, 6, 1800382.	7.3	35
2486	Engineering copper nanoparticles synthesized on the surface of carbon nanotubes for anti-microbial and anti-biofilm applications. <i>Nanoscale</i> , 2018, 10, 15529-15544.	5.6	61
2487	Preparation of Fe ₃ O ₄ /MWCNT nano-hybrid and its application as phenol sensor. <i>Materials Research Express</i> , 2018, 5, 075003.	1.6	5
2488	Recent developments in the synthesis and applications of graphene-family materials functionalized with cyclodextrins. <i>Chemical Communications</i> , 2018, 54, 8547-8562.	4.1	41
2489	Scanning Techniques for Nanobioconjugates of Carbon Nanotubes. <i>Scanning</i> , 2018, 2018, 1-19.	1.5	7
2490	Selective Incorporation of Aqueous-Phase SWNTs into Pine Cones: A Unique Route to Creating Versatile Carbon Precursors for Electrode Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12426-12435.	6.7	8
2491	Carbon Nanotube Tube Filled Polymer Nanocomposites and Their Applications in Tissue Engineering. , 2018, , 391-414.		8
2492	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. <i>Chemical Reviews</i> , 2018, 118, 7409-7531.	47.7	490
2493	A Review Paper on â€Graphene Field Emission for Electron Microscopyâ€ <i>Applied Sciences (Switzerland)</i> , 2018, 8, 868.	2.5	15
2494	Synthesis and Size-Dependent Properties of [12], [16], and [24]Carbon Nanobelts. <i>Journal of the American Chemical Society</i> , 2018, 140, 10054-10059.	13.7	131
2495	Comparative studies of electrochemical properties of carbon nanotubes and nanostructured boron carbide. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
2496	Coreâ€Multishell Heterostructure with Excellent Heat Dissipation for Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30762-30773.	8.0	108
2497	Single-Walled Carbon Nanotube's End-Cap Engineeringâ€Molecular Seeds for Controlled Synthesis of Chirality-Pure SWCNT. , 2018, , .		1
2498	â€Clickâ€generation of a conjugated polymer library for SWNT dispersion. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2053-2058.	2.3	10

#	ARTICLE	IF	CITATIONS
2499	Decoration of polyfluorene-wrapped carbon nanotube thin films <i>via</i> strain-promoted azide-alkyne cycloaddition. Polymer Chemistry, 2018, 9, 4460-4467.	3.9	20
2500	Effects of double-atom vacancies on the electronic properties of graphyne: a DFT investigation. Physical Chemistry Chemical Physics, 2018, 20, 22739-22743.	2.8	8
2501	Characterizing the sensitivity of bonds to the curvature of carbon nanotubes. Journal of Molecular Modeling, 2018, 24, 249.	1.8	25
2502	Interdependencies between graphitization of carbon nanotubes and strengthening mechanisms in titanium matrix composites. Materialia, 2018, 3, 122-138.	2.7	41
2503	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
2504	Stem Cells Controlling, Imaging and Labeling by Functional Nanomaterials. Nano LIFE, 2018, 08, 1841007.	0.9	3
2505	The effect of polymer particle size on three-dimensional percolation in core-shell networks of PMMA/MWCNTs nanocomposites: Properties and mathematical percolation model. Composites Science and Technology, 2018, 165, 1-8.	7.8	21
2506	Synthesis of a functionalized multi-walled carbon nanotube decorated ruskin michelle-like ZnO nanocomposite and its application in the development of a highly sensitive hydroquinone sensor. Inorganic Chemistry Frontiers, 2018, 5, 1950-1961.	6.0	33
2507	The effect of MWCNT on dynamic mechanical properties and crystallinity of in situ polymerized polyamide 12 nanocomposite. Polymers for Advanced Technologies, 2018, 29, 2134-2146.	3.2	7
2508	2D graphdiyne materials: challenges and opportunities in energy field. Science China Chemistry, 2018, 61, 765-786.	8.2	123
2509	Process-Structure-Property Relationship in Polymer Nanocomposites. , 2018, , 25-100.		7
2510	Carbon nanotube membranes for water purification: Developments, challenges, and prospects for the future. Separation and Purification Technology, 2019, 209, 307-337.	7.9	243
2511	Carbonized Polymer Nanostructures for Biosensing. , 2019, , .		1
2512	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
2513	Advanced Compressible and Elastic 3D Monoliths beyond Hydrogels. Advanced Functional Materials, 2019, 29, 1904472.	14.9	69
2514	Stretchable and Resilient Conductive Films on Polydimethylsiloxane from Reactive Polymer-Single-Walled Carbon Nanotube Complexes for Wearable Electronics. ACS Applied Nano Materials, 2019, 2, 4968-4973.	5.0	7
2515	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
2516	Theoretical Insight into Configurational Selectivity of Functionalized Single-Walled Carbon Nanotubes Based on the Clar Sextet Theory. Journal of Physical Chemistry C, 2019, 123, 18629-18637.	3.1	7

#	ARTICLE	IF	CITATIONS
2517	Ultrasensitive ciprofloxacin assay based on the use of a fluorescently labeled aptamer and a nanocomposite prepared from carbon nanotubes and MoSe ₂ . <i>Mikrochimica Acta</i> , 2019, 186, 507.	5.0	13
2518	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
2519	Size-dependent melting thermodynamic properties of selenium nanowires in theory and experiment. <i>CrystEngComm</i> , 2019, 21, 430-438.	2.6	11
2520	Dispersion, sedimentation and aggregation of multi-walled carbon nanotubes as affected by single and binary mixed surfactants. <i>Royal Society Open Science</i> , 2019, 6, 190241.	2.4	25
2521	Artificial Multienzyme Scaffolds: Pursuing <i>in Vitro</i> Substrate Channeling with an Overview of Current Progress. <i>ACS Catalysis</i> , 2019, 9, 10812-10869.	11.2	115
2522	A review on recent advancements in electrochemical biosensing using carbonaceous nanomaterials. <i>Mikrochimica Acta</i> , 2019, 186, 773.	5.0	103
2523	Modification of MWNTs by the combination of Li-TFSI and MAPP: Novel strategy to high performance PP/MWNTs nanocomposites. <i>Composites Part B: Engineering</i> , 2019, 176, 107268.	12.0	9
2524	Cathodoluminescence of a 2 inch ultraviolet-light-source tube based on the integration of AlGaIn materials and carbon nanotube field emitters. <i>Journal of Materials Chemistry C</i> , 2019, 7, 11540-11548.	5.5	18
2525	Static and Cyclic Flexural Behaviors of Edge-Oxidized Graphene Oxide Cement Composites. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	10
2526	Covalently β -aminobutyric acid-functionalized carbon nanotubes: improved compatibility with PHBV matrix. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	6
2527	In situ Fabrication of Multi-Walled Carbon Nanotubes/Silica Hybrid Colloidosomes by Pickering Emulsion Templating Using Trialkoxysilanes of Opposite Polarity. <i>Polymers</i> , 2019, 11, 1480.	4.5	10
2528	Interdisciplinary Chemistry Based on Integration of Liquid Crystals and Conjugated Polymers: Development and Progress. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1509-1655.	3.2	68
2529	Field-Effect Transistor Biosensors for Biomedical Applications: Recent Advances and Future Prospects. <i>Sensors</i> , 2019, 19, 4214.	3.8	155
2530	Effective carbon nanotubes/graphene hybrid films for electron field emission application. <i>Vacuum</i> , 2019, 169, 108917.	3.5	18
2531	Enhanced compressive performance of concrete via 3D-printing reinforcement. <i>Journal of Zhejiang University: Science A</i> , 2019, 20, 675-684.	2.4	7
2532	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
2533	Surface characterization and London dispersive surface free energy of functionalized single-walled carbon nanotubes with a blend of polytetrafluoroethylene by inverse gas chromatography. <i>Surface and Interface Analysis</i> , 2019, 51, 516-524.	1.8	8
2534	Doping engineering of thermoelectric transport in BNC heteronanotubes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1904-1911.	2.8	10

#	ARTICLE	IF	CITATIONS
2535	Palladium nanoparticles decorated SnO ₂ wrapped MWCNT nanocomposites as a highly efficient H ₂ O ₂ electrocatalyst. New Journal of Chemistry, 2019, 43, 175-181.	2.8	9
2536	Carbon nanotubes synthesis using siliceous breccia as a catalyst source. Diamond and Related Materials, 2019, 97, 107433.	3.9	13
2537	Fabrication of novel metanil yellow/multi wall carbon nanotubes-chitosan/modified glassy carbon electrode and its application for sensitive determination of persulfate. Journal of Electroanalytical Chemistry, 2019, 847, 113192.	3.8	22
2538	Enhancement of CO ₂ Desorption from Reinforced 2-(2-Aminoethylamine) Ethanol Aqueous Solution by Multi-walled Carbon Nanotubes. Energy & Fuels, 2019, 33, 6577-6584.	5.1	10
2539	Engineered Nanomaterial Assisted Signal Amplification Strategies for Enhancing Analytical Performance of Electrochemical Biosensors. Electroanalysis, 2019, 31, 1615-1629.	2.9	102
2540	Nano-Delivery Materials: Review of Development and Application in Drug/Gene Transport. Key Engineering Materials, 0, 803, 158-166.	0.4	3
2541	Highly stable nitrogen-doped carbon nanotubes derived from carbon dots and metal-organic frameworks toward excellent efficient electrocatalyst for oxygen reduction reaction. Nano Energy, 2019, 63, 103788.	16.0	74
2542	Diazirine-functionalized Nanostructured Platform for Enzymes Photografting and Electrochemical Biosensing. Electroanalysis, 2019, 31, 1526-1534.	2.9	4
2543	Recent Advances in Carbonaceous Photocatalysts with Enhanced Photocatalytic Performances: A Mini Review. Materials, 2019, 12, 1916.	2.9	93
2544	Agricultural wastes preparation, management, and applications in civil engineering: a review. Journal of Material Cycles and Waste Management, 2019, 21, 1039-1051.	3.0	58
2545	Novel Copper(II)-Selective Potentiometric Sensor Based on a Folic Acid-Functionalized Carbon Nanotube Material. Analytical Letters, 2019, 52, 2524-2545.	1.8	10
2546	Carbon Nanotube Energy Applications. , 2019, , 695-728.		4
2547	Synthesis and spectroscopic studies of carbon nanosheets (CNSs) produced by pyrolysis of phthalazinium betaines at relatively lower temperature. Chemical Papers, 2019, 73, 2007-2017.	2.2	0
2548	Biosensors for monitoring pharmaceutical nanocontaminants and drug resistant bacteria in surface water, subsurface water and wastewater effluent for reuse. , 2019, , 525-559.		1
2549	Multifunctionalized octamethoxy-[8]cycloparaphenylene: facile synthesis and analysis of novel photophysical and photoinduced electron transfer properties. Organic Chemistry Frontiers, 2019, 6, 1885-1890.	4.5	18
2550	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
2551	Multi walled carbon nanotubes supported CuO-Au hybrid nanocomposite for the effective application towards the electrochemical determination of Acetaminophen and 4-Aminophenol. Synthetic Metals, 2019, 252, 29-39.	3.9	58
2552	Reactive, Aqueous-Dispersible Polyfluorene-Wrapped Carbon Nanotubes Modulated with an Acidochromic Switch via Azide-Alkyne Cycloaddition. ACS Applied Polymer Materials, 2019, 1, 797-803.	4.4	15

#	ARTICLE	IF	CITATIONS
2553	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
2554	Soft-nanocomposite lubricants of supramolecular gel with carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 7654-7663.	10.3	37
2555	Adverse Effect of PTFE Stir Bars on the Covalent Functionalization of Carbon and Boron Nitride Nanotubes Using Billups's Birch Reduction Conditions. <i>ACS Omega</i> , 2019, 4, 5098-5106.	3.5	9
2556	Carbon Nanomaterials for the Adsorptive Desulfurization of Fuels. <i>Journal of Nanotechnology</i> , 2019, 2019, 1-13.	3.4	30
2557	Developing strong and tough carbon nanotube films by a proper dispersing strategy and enhanced interfacial interactions. <i>Carbon</i> , 2019, 149, 117-124.	10.3	13
2558	Chiral $\hat{1}^3$ -graphyne nanotubes with almost equivalent bandgaps. <i>Journal of Chemical Physics</i> , 2019, 150, 054706.	3.0	11
2559	Melt-Processed Poly(Ether Ether Ketone)/Carbon Nanotubes/Montmorillonite Nanocomposites with Enhanced Mechanical and Thermomechanical Properties. <i>Materials</i> , 2019, 12, 525.	2.9	22
2560	Biomaterials and scaffolds for the treatment of spinal cord injury. , 2019, , 117-139.		4
2561	Carbon's Carbon Allotropic Hybrids and Composites: Synthesis, Properties, And Applications. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 3921-3948.	3.7	26
2562	Advantages and Limitations of CNT-Polymer Composites in Medicine and Dentistry. , 2019, ,		1
2563	Smart SWCNT ECG Electrodes for Continuous and Long-term Monitoring. , 2019, ,		0
2564	Humic acid assisted stabilization of dispersed single-walled carbon nanotubes in cementitious composites. <i>Nanotechnology Reviews</i> , 2019, 8, 513-522.	5.8	12
2565	Chemistry, Biology, and Surface Engineering of Sustainable Nanostructural Materials. , 2019, , 25-52.		0
2566	Determination of Heavy Metals in Herbal Food Supplements using Bismuth/Multi-walled Carbon Nanotubes/Nafion modified Graphite Electrodes sourced from Waste Batteries. <i>Scientific Reports</i> , 2019, 9, 18491.	3.3	30
2567	Flexible Ag/FMWCNT Electrode Fabricated Through Benign Reducing Agent for Sensor Application. <i>Journal of the Electrochemical Society</i> , 2019, 166, D916-D922.	2.9	2
2568	Multi-walled Carbon Nanotubes Reinforced-Based Magnesium Metal Matrix Composites Prepared by Powder Metallurgy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 578, 012041.	0.6	4
2569	Nanobiosensor approaches for pollutant monitoring. <i>Environmental Chemistry Letters</i> , 2019, 17, 975-990.	16.2	26
2570	Review on carbon nanomaterials as typical candidates for orthopaedic coatings. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	18

#	ARTICLE	IF	CITATIONS
2571	Column Characterization and Selection Systems in Reversed-Phase High-Performance Liquid Chromatography. Chemical Reviews, 2019, 119, 3674-3729.	47.7	191
2572	Carbon nanotubes as a player to improve mechanical shock wave absorption. Composites Part B: Engineering, 2019, 164, 67-71.	12.0	26
2573	Molecules under Pressure: The Case of [C ₆₀]Cycloparaphenylenes. Chemistry of Materials, 2019, 31, 6443-6452.	6.7	5
2574	Tuning microwave absorption properties of multi-walled carbon nanotubes by surface functional groups. Journal of Materials Science, 2019, 54, 2417-2426.	3.7	42
2575	Cytocompatible carbon nanotube reinforced polyethylene glycol composite hydrogels for tissue engineering. Materials Science and Engineering C, 2019, 98, 1133-1144.	7.3	41
2576	Khaki-coloured niobium oxide nanochains with enhanced lithium storage performances. International Journal of Nanomanufacturing, 2019, 15, 127.	0.3	1
2577	Carbon Nanotubes and Their Polymer Nanocomposites. , 2019, , 145-175.		15
2578	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
2579	Ultrasonic energy-assisted preparation of β -cyclodextrin-carbon nanofiber composite: Application for electrochemical sensing of nitrofurantoin. Ultrasonics Sonochemistry, 2019, 52, 391-400.	8.2	45
2580	Simultaneous determination of β -agonists on hexagonal boron nitride nanosheets/multi-walled carbon nanotubes nanocomposite modified glassy carbon electrode. Materials Science and Engineering C, 2019, 96, 669-676.	7.3	86
2581	Confined hetero double helix structure induced by graphene nanoribbon. 2D Materials, 2019, 6, 034001.	4.4	5
2582	Repurposed Leather with Sensing Capabilities for Multifunctional Electronic Skin. Advanced Science, 2019, 6, 1801283.	11.2	119
2583	Superior activity of Pd nanoparticles confined in carbon nanotubes for hydrogen production from formic acid decomposition at ambient temperature. Journal of Colloid and Interface Science, 2019, 538, 474-480.	9.4	45
2584	Investigation of structural, electrical properties and dielectric relaxation of CNT doped Cu-Se-Ge-In chalcogenide glassy alloy. Materials Research Express, 2019, 6, 015202.	1.6	12
2585	Enhanced ferromagnetic properties of N ₂ plasma-treated carbon nanotubes. Journal of Materials Science, 2019, 54, 2307-2314.	3.7	10
2586	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
2587	Covalent functionalization of MWCNT with PHBV chains: Evaluation of the functionalization and production of nanocomposites. Polymer Composites, 2019, 40, 288-295.	4.6	17
2588	Electrochemical preparation of Fe ₃ O ₄ /MWCNT-polyaniline nanocomposite film for development of urea biosensor and its application in milk sample. Journal of Food Measurement and Characterization, 2020, 14, 163-175.	3.2	37

#	ARTICLE	IF	CITATIONS
2589	Core-Double Shell Nano-hybrids Designed by Multi-walled Carbon Nanotubes, Polyaniline and Polythiophenes in PBDT-DTNT:PC61BM Solar Cells. Journal of Electronic Materials, 2020, 49, 435-443.	2.2	3
2590	Preparation, thermal and mechanical properties of poly (etherâ€imide) composite reinforced with carbon nanotube buckypaper. Journal of Applied Polymer Science, 2020, 137, 48330.	2.6	9
2591	A series of novel highâ€temperatureâ€resistant multiwall carbon nanotubes dispersants: Polyphenylene sulfones with pyrene groups in main chain. Journal of Applied Polymer Science, 2020, 137, 48379.	2.6	1
2592	Characterization tools and techniques of hydrogels. , 2020, , 481-517.		13
2593	Direct growth of multiwall carbon nanotube on metal catalyst by chemical vapor deposition: In situ nucleation. Surface and Coatings Technology, 2020, 381, 125109.	4.8	20
2594	Advances in controlled release pesticide formulations: Prospects to safer integrated pest management and sustainable agriculture. Journal of Hazardous Materials, 2020, 385, 121525.	12.4	242
2596	Fabrication and Thermal Dissipation Properties of Carbon Nanofibers Derived from Electrospun Poly(amic Acid) Carboxylate Salt Nanofibers. Macromolecular Materials and Engineering, 2020, 305, 1900519.	3.6	2
2597	Flexible poly(styreneâ€bâ€â€ethyleneâ€coâ€â€butylene)â€bâ€â€styrene) nanocomposites for electromagnetic interference shielding. Journal of Applied Polymer Science, 2020, 137, 48542.	2.6	6
2598	Construction of flexible enzymatic electrode based on gradient hollow fiber membrane and multi-wall carbon tubes meshes. Biosensors and Bioelectronics, 2020, 152, 112001.	10.1	35
2599	Enhanced Charge Transport and Corrosion Protection Properties of Polyanilineâ€Carbon Nanotube Composite Coatings on Mild Steel. Journal of Electronic Materials, 2020, 49, 341-352.	2.2	18
2600	Interphase structures and properties of carbon nanotube-reinforced polymer nanocomposite fibers. , 2020, , 71-102.		2
2601	Hydrogenation Dynamics Process of Single-Wall Carbon Nanotube Twisted. Chemical Physics Letters, 2020, 739, 136960.	2.6	4
2602	Adsorptive removal of lanthanum based on hydrothermally synthesized iron oxide-titanium oxide nanoparticles. Environmental Science and Pollution Research, 2020, 27, 5408-5417.	5.3	12
2603	Technological challenges and progress in nanomaterials plasma surface modification â€ A review. Materials Science and Engineering Reports, 2020, 139, 100521.	31.8	60
2604	The Application of Carbon Nanotube/Grapheneâ€Based Nanomaterials in Wastewater Treatment. Small, 2020, 16, e1902301.	10.0	109
2605	Polymer Nanocompositeâ€based Coatings for Corrosion Protection. Chemistry - an Asian Journal, 2020, 15, 3915-3941.	3.3	58
2606	Solution Processable High Performance Multiwall Carbon Nanotubeâ€Si Heterojunctions. Advanced Electronic Materials, 2020, 6, 2000617.	5.1	3
2607	Inorganic nanoparticles in clinical trials and translations. Nano Today, 2020, 35, 100972.	11.9	138

#	ARTICLE	IF	CITATIONS
2608	Development and characterization of Cu/MWCNT composite prepared by electrodeposition technique. AIP Conference Proceedings, 2020, , .	0.4	1
2609	A Review on the Flammability Properties of Carbon-Based Polymeric Composites: State-of-the-Art and Future Trends. Polymers, 2020, 12, 1518.	4.5	53
2610	Structural and morphological studies of conducting polymer nanocomposites. AIP Conference Proceedings, 2020, , .	0.4	2
2611	Photoinduced electron transfer from carbon nanotubes to fullerenes: C60 versus C70. Physical Chemistry Chemical Physics, 2020, 22, 19542-19548.	2.8	15
2612	Strain induced structural transformation, mechanical and phonon stability in silicene derived 2D-SiB. Journal of Industrial and Engineering Chemistry, 2020, 90, 399-406.	5.8	5
2613	Effects of Water and Different Solutes on Carbonâ€Nanotube Lowâ€Voltage Fieldâ€Effect Transistors. Small, 2020, 16, e2002875.	10.0	4
2614	Dry Reforming of Methane over CNT-Supported CeZrO2, Ni and Ni-CeZrO2 Catalysts. Catalysts, 2020, 10, 741.	3.5	10
2615	Immobilization of Tris(1,10â€phenanthroline)ruthenium on Acetylene Carbon Black for Regenerable Electrochemiluminescence Sensors Free from Ionic Exchanger. ChemElectroChem, 2020, 7, 3761-3766.	3.4	4
2616	Morphological, optical and AC electrical properties of polyaniline emeraldine salt/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422 T	1.8	0
2617	Fabrication and evaluation of mechanical properties of polycrystalline diamond reinforced with carbon-nanotubes by HPHT sintering. Ceramics International, 2020, 46, 21527-21532.	4.8	6
2618	Tight-binding method for the electronic and optical properties of C and BN nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114671.	3.5	1
2619	Nanomaterials application in greenhouse structures, crop processing machinery, packaging materials and agro-biomass conversion. Materials Science for Energy Technologies, 2020, 3, 690-699.	1.8	7
2620	Multifunctional properties of acetaminophen immobilized polymer nanohybrid composites. SN Applied Sciences, 2020, 2, 1.	2.9	0
2621	Non-Carbon 2D Materials-Based Field-Effect Transistor Biosensors: Recent Advances, Challenges, and Future Perspectives. Sensors, 2020, 20, 4811.	3.8	16
2622	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
2623	In Situ Growth of Carbon Nanotubes on Ti Powder for Strengthening of Ti Matrix Composite via Nanotubeâ€Particle Dual Morphology. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 5932-5944.	2.2	4
2624	3D Graphene Materials: From Understanding to Design and Synthesis Control. Chemical Reviews, 2020, 120, 10336-10453.	47.7	319
2625	All-Carbon Conductors for Electronic and Electrical Wiring Applications. Frontiers in Materials, 2020, 7, .	2.4	30

#	ARTICLE	IF	CITATIONS
2626	Stable Dispersions of Single-Wall Carbon Nanotubes Using Self-Assembled Amphiphilic Copolymer Surfactants for Fabricating Wafer-Scale Devices. ACS Applied Nano Materials, 2020, 3, 8829-8839.	5.0	12
2627	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
2628	Modeling of Mechanical Properties of Clay-Reinforced Polymer Nanocomposites Using Deep Neural Network. Materials, 2020, 13, 4266.	2.9	14
2629	Nanostructures based detection of pharmaceuticals and other contaminants of emerging concern. , 2020, , 75-114.		0
2630	The Electric Field Responses of Inorganic Ionogels and Poly(ionic liquid)s. Molecules, 2020, 25, 4547.	3.8	11
2631	Iron-Potassium on Single-Walled Carbon Nanotubes as Efficient Catalyst for CO ₂ Hydrogenation to Heavy Olefins. ACS Catalysis, 2020, 10, 6389-6401.	11.2	90
2632	Fabrication Techniques for Carbon Nanotubes Based ECG Electrodes: A Review. IETE Journal of Research, 0, , 1-20.	2.6	7
2633	Moxifloxacin Hydrochloride Electrochemical Detection at Gold Nanoparticles Modified Screen-Printed Electrode. Sensors, 2020, 20, 2797.	3.8	19
2634	Efficient Direct-Methanol Fuel Cell Based on Graphene Quantum Dots/Multi-Walled Carbon Nanotubes Composite. Electroanalysis, 2020, 32, 1977-1982.	2.9	35
2635	Enhanced Thermoelectric Performance in Black Phosphorus Nanotubes by Band Modulation through Tailoring Nanotube Chirality. Small, 2020, 16, e2001820.	10.0	13
2636	Unraveling the mystery of ultrafine bubbles: Establishment of thermodynamic equilibrium for sub-micron bubbles and its implications. Journal of Colloid and Interface Science, 2020, 570, 173-181.	9.4	12
2637	Experimental and Modeling Studies of 2D Clay/PE Nanocomposites for High Voltage Applications. ECS Journal of Solid State Science and Technology, 2020, 9, 093002.	1.8	4
2638	Carbon nanotube film based multifunctional composite materials: an overview. Functional Composites and Structures, 2020, 2, 022002.	3.4	30
2639	Graphene-Templated Cobalt Nanoparticle Embedded Nitrogen-Doped Carbon Nanotubes for Efficient Visible-Light Photocatalysis. Crystal Growth and Design, 2020, 20, 4627-4639.	3.0	30
2640	Low-dimensional carbon-based nanomaterials for energy conversion and storage applications. , 2020, , 15-68.		2
2641	Detection of Redox Properties of (6,5)-Enriched Single-Walled Carbon Nanotubes Using Potassium Permanganate (KMnO ₄). Journal of Carbon Research, 2020, 6, 30.	2.7	5
2642	Electrochemical determination of L-arginine in leukemic blood samples based on a polyaniline-multiwalled carbon nanotube-magnetite nanocomposite film modified glassy carbon electrode. Instrumentation Science and Technology, 2020, 48, 400-416.	1.8	13
2643	Prediction of the [4 + 2]- and [5 + 4]-cycloaddition reactions in zig-zag carbon nanotubes via an ambimodal transition state: density functional theory calculations. RSC Advances, 2020, 10, 11111-11120.	3.6	4

#	ARTICLE	IF	CITATIONS
2644	Light sources for photonanotechnology. , 2020, , 1-21.		2
2645	Preparation and thermal dissipation of hollow carbon fibers from electrospun polystyrene/poly(amic) Tj ETQq1 1 0.784314 rgBT /Overl	5.4	8
2646	Development of nano cement concrete by top-down and bottom-up nanotechnology concept. , 2020, , 183-213.		6
2647	Field Emission Cathodes to Form an Electron Beam Prepared from Carbon Nanotube Suspensions. Micromachines, 2020, 11, 260.	2.9	12
2648	Role of nanomaterials in soil and water quality management. , 2020, , 491-503.		7
2649	Nanocomposite materials for nano-electronic-based Internet of things sensors and energy device signaling. , 2020, , 243-290.		2
2650	A Wired Laccase Oxygen Cathode with Carboxylated Single-Walled Carbon Nanotubes Incorporated. Bulletin of the Korean Chemical Society, 2020, 41, 765-772.	1.9	0
2651	Carbon-based nanocomposites in solid-state hydrogen storage technology: An overview. International Journal of Energy Research, 2020, 44, 11044-11058.	4.5	41
2652	Nanocomposite films for absorption and decomposition of sick-building syndrome gases. , 2020, , 251-272.		0
2653	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
2654	Modification of a pencil graphite electrode with multiwalled carbon nanotubes capped gold nanoparticles for electrochemical determination of tramadol. Journal of Electroanalytical Chemistry, 2020, 862, 113996.	3.8	42
2655	Self-Assembly Prepared Millimeter Length Ferromagnetic Carbon Nanotubes with Spin Nontrivial Electronic Transport Properties. ACS Applied Electronic Materials, 2020, 2, 491-498.	4.3	5
2656	A State of the Art Review of Dispersion and Inspection Techniques for Carbon Nanotubes (CNTs) into Matrix Composites. Materials Transactions, 2020, 61, 14-26.	1.2	4
2657	Stretchable and tough conductive hydrogels for flexible pressure and strain sensors. Journal of Materials Chemistry B, 2020, 8, 3437-3459.	5.8	372
2658	Overview of nanoparticles and their surface modification. , 2020, , 29-64.		1
2659	Tuning Second-Order Nonlinear Optical Properties of Cross-Linked Carbon Nanotube via External Electric Field. Journal of Physical Chemistry C, 2020, 124, 3778-3783.	3.1	10
2660	Structural and electronic properties of $\hat{1}^{\pm}$, $\hat{1}^2$, $\hat{1}^3$, and 6,6,18-graphdiyne sheets and nanotubes. RSC Advances, 2020, 10, 16709-16717.	3.6	12
2661	Electrodeposition of Hydroxyapatite-Multiwalled Carbon Nanotube Nanocomposite on Ti6Al4V. Advances in Polymer Technology, 2020, 2020, 1-10.	1.7	12

#	ARTICLE	IF	CITATIONS
2662	Electronic Properties of Graphyne and Graphdiyne in Tight-binding Model. ECS Journal of Solid State Science and Technology, 2020, 9, 031003.	1.8	18
2663	Electrocatalytic Behavior and Determination of Amitriptyline Drug with MWCNT@Cellulose Composite Modified Glassy Carbon Electrode. Materials, 2020, 13, 1708.	2.9	8
2664	Interfacial/intragranular reinforcement of titanium-matrix composites produced by a novel process involving core-shell structured powder. Carbon, 2020, 164, 378-390.	10.3	21
2665	A new strategy to access Co/N co-doped carbon nanotubes as oxygen reduction reaction catalysts. Chinese Chemical Letters, 2021, 32, 535-538.	9.0	17
2666	Multiwall carbon nanotube-nematic liquid crystal composite system: preparation and characterization. Journal of Dispersion Science and Technology, 2021, 42, 707-714.	2.4	11
2667	Nanocellulose-based sustainable microwave absorbers to stifle electromagnetic pollution. , 2021, , 237-258.		10
2668	Size-dependent structural behaviors of crumpled graphene sheets. Carbon, 2021, 174, 148-157.	10.3	28
2669	Atomistic modelling of carbon nanotube networks and analysis of inter filler distance. Materials Today: Proceedings, 2021, 39, 1791-1795.	1.8	0
2670	Biomoleculeâ€Directed Carbon Nanotube Selfâ€Assembly. Advanced Healthcare Materials, 2021, 10, e2001162.	7.6	24
2671	Recent Advances in Carbon Nanotube Utilizations in Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2004765.	14.9	37
2672	Towards the development of the emerging process of CO ₂ heterogenous hydrogenation into high-value unsaturated heavy hydrocarbons. Chemical Society Reviews, 2021, 50, 10764-10805.	38.1	161
2673	Nanotechnology-based materials as emerging trends for dental applications. Reviews on Advanced Materials Science, 2021, 60, 173-189.	3.3	36
2674	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
2676	Novel nanoparticle-based treatment approaches. , 2021, , 281-343.		0
2678	Carbon-based catalysts for Fischerâ€Tropsch synthesis. Chemical Society Reviews, 2021, 50, 2337-2366.	38.1	188
2679	Carbon Nanomaterials. , 2021, , 784-809.		1
2680	Palladium nanoparticles on amino-modified silica-catalyzed Câ€C bond formation with carbonyl insertion. Journal of the Iranian Chemical Society, 2021, 18, 1891-1903.	2.2	1
2681	Design and development of polyaniline/nanocarbon nanocomposites. , 2021, , 77-102.		0

#	ARTICLE	IF	CITATIONS
2682	Modern Approaches to Augmenting the Brain Functions. Contemporary Clinical Neuroscience, 2021, , 57-89.	0.3	0
2683	Chemical functionalization of few walled carbon nanotubes produced by chemical vapour deposition technique. Materials Today: Proceedings, 2021, 46, 4187-4189.	1.8	1
2684	Development of MWCNT decorated with green synthesized AgNps-based electrochemical sensor for highly sensitive detection of BPA. Journal of Applied Electrochemistry, 2021, 51, 447-462.	2.9	41
2685	A comprehensive review on carbon nano-tube synthesis using chemical vapor deposition. Materials Today: Proceedings, 2021, 46, 11250-11253.	1.8	14
2686	Applications of Carbon Nanomaterials as Electrical Interconnects and Thermal Interface Materials. , 2021, , 31-60.		0
2687	Carbon Nanomaterials for Biomedical Application. Advances in Experimental Medicine and Biology, 2021, 1309, 257-276.	1.6	4
2688	Current advances in drug delivery of nanoparticles for respiratory disease treatment. Journal of Materials Chemistry B, 2021, 9, 1745-1761.	5.8	19
2689	Kinetics of Carbon Nanotube Aerogel Synthesis using Floating Catalyst Chemical Vapor Deposition. Industrial & Engineering Chemistry Research, 2021, 60, 2187-2196.	3.7	12
2690	Novel voltammetric tumor necrosis factor-alpha (TNF- α) immunosensor based on gold nanoparticles involved in thiol-functionalized multi-walled carbon nanotubes and bimetallic Ni/Cu-MOFs. Analytical and Bioanalytical Chemistry, 2021, 413, 2481-2492.	3.7	57
2691	Ultrasensitive Wearable Strain Sensors based on a VACNT/PDMS Thin Film for a Wide Range of Human Motion Monitoring. ACS Applied Materials & Interfaces, 2021, 13, 8871-8879.	8.0	55
2692	Chemical-free and scalable process for the fabrication of a uniform array of liquid-gated CNTFET, evaluated by KCl electrolyte. Scientific Reports, 2021, 11, 3979.	3.3	2
2693	Evolving scientific aptitude of poly(ethylene glycol) filled with carbonaceous nanofillers. Journal of Plastic Film and Sheeting, 2021, 37, 490-509.	2.2	4
2694	Vapor Phase Modification for Selective Enrichment of Grafted Styrene/Acrylonitrile onto Carbon Nanotubes Via ATRP. Processes, 2021, 9, 459.	2.8	4
2695	Dynamic impact protective body armour: A comprehensive appraisal on panel engineering design and its prospective materials. Defence Technology, 2021, 17, 2027-2049.	4.2	41
2696	Polymer Nanocomposites in Sensor Applications: A Review on Present Trends and Future Scope. Chinese Journal of Polymer Science (English Edition), 2021, 39, 665-691.	3.8	26
2697	Simultaneous formation of CuO nanoflowers and semi-spherical nanoparticles onto MWCNT surface. Emergent Materials, 2021, 4, 403-411.	5.7	7
2698	Parts per trillion detection of heavy metals in as-is tap water using carbon nanotube microelectrodes. Analytica Chimica Acta, 2021, 1155, 338353.	5.4	30
2699	A review of BioFETs basic principles and materials for biomedical applications. Biomedical Engineering Letters, 2021, 11, 85-96.	4.1	29

#	ARTICLE	IF	CITATIONS
2700	Transformation of Nanodiamonds to Onion-like Carbons by Ambient Electrospray Deposition. Journal of Physical Chemistry C, 2021, 125, 10998-11006.	3.1	5
2701	Electrical and mechanical properties of high electrical conductivity CNT/Cu yarns with Br doping and Cu encapsulation. Nano Select, 0, , .	3.7	1
2702	Carbon Nanotube Microelectrode Set: Detection of Biomolecules to Heavy Metals. Analytical Chemistry, 2021, 93, 7439-7448.	6.5	8
2703	Gold-Carbon Nanocomposites for Environmental Contaminant Sensing. Micromachines, 2021, 12, 719.	2.9	11
2704	Graphene preparation and graphite exfoliation. Turkish Journal of Chemistry, 2021, 45, 493-519.	1.2	45
2705	Computational Investigations of Fixed-Free and Fixed-Fixed Types Single-Wall Carbon Nanotube Mass Sensing Biosensor. Advances in Materials Science and Engineering, 2021, 2021, 1-13.	1.8	1
2706	Carbon nanotube/polypropylene/polycarbonate conductive nanocomposite films: Preparation and characterization. Journal of Applied Polymer Science, 2021, 138, 51276.	2.6	1
2707	An Atomistic Study of the Thermoelectric Signatures of CNT Peapods. Journal of Physical Chemistry C, 2021, 125, 13721-13731.	3.1	5
2708	Estimating the Reducing Power of Carbon Nanotubes and Granular Activated Carbon Using Various Compounds. Water (Switzerland), 2021, 13, 1959.	2.7	0
2709	Well-Defined Segment of Carbon Nanotube with Bright Red Emission for Three-Photon Fluorescence Cerebrovascular Imaging. Advanced Optical Materials, 2021, 9, 2100482.	7.3	18
2710	Boosting solar driven hydrogen evolution rate of CdS nanorods adorned with MoS2 and SnS2 nanostructures. Colloids and Interface Science Communications, 2021, 43, 100437.	4.1	9
2711	Nanoengineering of new cost-effective nanosensor based on functionalized MWCNT and Ag nanoparticles for sensitive detection of BPA in drinking water. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	3
2712	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
2713	Ultraviolet-Cathodoluminescent 330 nm light source from a 2-inch wide CNT electron-beam emission under DC electric field. Current Applied Physics, 2021, 28, 72-77.	2.4	2
2714	Electro catalytic oxidation reactions for harvesting alternative energy over non noble metal oxides: Are we a step closer to sustainable energy solution?. Advanced Powder Technology, 2021, 32, 2663-2689.	4.1	21
2715	Supertetrahedraphene: A novel quasi 2D carbon allotrope with controllable thickness and electronic properties. Chemical Physics, 2021, 548, 111257.	1.9	3
2716	Covalent conjugation of single-walled carbon nanotube with CYP101 mutant for direct electrocatalysis. Analytical Biochemistry, 2021, 626, 114204.	2.4	4
2717	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

#	ARTICLE	IF	CITATIONS
2718	Fe-based Fenton-like catalysts for water treatment: Preparation, characterization and modification. Chemosphere, 2021, 276, 130177.	8.2	182
2719	Structure and properties of nanocarbons-encapsulated WC synthesized by solution plasma process in palm oils. Materials Express, 2021, 11, 1602-1607.	0.5	1
2721	High electrical conductivity and oxidation reduction reaction activity of tungsten carbide/carbon nanocomposite synthesized from palm oil by solution plasma process. Materials Express, 2021, 11, 1587-1593.	0.5	1
2722	A Review on Fracture Analysis of CNT/Graphene Reinforced Composites for Structural Applications. Archives of Computational Methods in Engineering, 2022, 29, 545-582.	10.2	7
2723	Carbon Nanotubes (CNTs) from Synthesis to Functionalized (CNTs) Using Conventional and New Chemical Approaches. Journal of Nanomaterials, 2021, 2021, 1-31.	2.7	45
2724	Enzyme modified CNTs for biosensing application: Opportunities and challenges. Colloids and Interface Science Communications, 2021, 44, 100506.	4.1	13
2725	The shape tunable gelatin/carbon nanotube wet-gels for complex three-dimensional cellular structures with high elasticity. Carbon, 2021, 184, 811-820.	10.3	5
2726	Van der Waals heterostructures with one-dimensional atomic crystals. Progress in Materials Science, 2021, 122, 100856.	32.8	29
2727	Highly-energy efficient oxidation of MWCNT with nanosecond pulsed dielectric barrier discharge plasma. Applied Surface Science, 2021, 563, 150139.	6.1	10
2728	Carbon in lithium-ion and post-lithium-ion batteries: Recent features. Synthetic Metals, 2021, 280, 116864.	3.9	15
2729	A review of the publication and patent landscape of anode materials for lithium ion batteries. Journal of Energy Storage, 2021, 43, 103231.	8.1	10
2730	An innovative sensor for the electrochemical determination of the new melatonergic antidepressant drug agomelatine. Measurement: Journal of the International Measurement Confederation, 2021, 186, 110160.	5.0	7
2731	Sorting and decoration of semiconducting single-walled carbon nanotubes <i>via</i> the quaternization reaction. RSC Advances, 2021, 11, 2898-2904.	3.6	3
2732	Edge State Induced Spintronic Properties of Graphene Nanoribbons: A Theoretical Perspective. Advances in Sustainability Science and Technology, 2021, , 165-198.	0.6	0
2733	The Electrical Properties of Single-walled Carbon Nanotubes. Journal of Physics: Conference Series, 2021, 1748, 052005.	0.4	0
2734	Carbon-based nanostructures and nanomaterials. , 2021, , 103-130.		1
2739	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
2740	Chemical Vapor Deposition of Organized Architectures of Carbon Nanotubes for Applications. , 2007, , 188-211.		3

#	ARTICLE	IF	CITATIONS
2741	Biomolecule-Nanomaterial Interactions: Effect on Biomolecular Structure, Function, and Stability. , 2009, , 97-114.		1
2742	Polyprismanes. Flights of Fun and Fancy. , 2008, , 185-226.		2
2743	Basic Electrochromics of CPs. , 1999, , 43-76.		1
2744	Nanotechnology in Wastewater and the Capacity of Nanotechnology for Sustainability. Environmental Chemistry for A Sustainable World, 2020, , 1-45.	0.5	4
2745	Lanthanum Hydroxide Nanoparticles/Multi-Wall Carbon Nanotubes Nanocomposites. Springer Proceedings in Materials, 2020, , 25-34.	0.3	3
2746	Advanced Nano-biocomposites Based on Starch. , 2015, , 1467-1553.		4
2747	Introducing Carbon Nanotubes (CNTs). , 2018, , 3-10.		2
2748	CNT Applications in Microelectronics, "Nanoelectronics," and "Nanobioelectronics", 2018, , 65-72.		1
2749	CNT Applications in Displays and Transparent, Conductive Films/Substrates. , 2018, , 73-75.		1
2750	Graphene Applications in Electronics, Electrical Conductors, and Related Uses. , 2018, , 141-146.		4
2751	Characterization Methods. , 2018, , 403-488.		2
2752	Microwave- and Conductivity-Based Technologies. , 2018, , 655-669.		3
2753	CNT Applications in Sensors and Actuators. , 2018, , 53-60.		3
2754	Multi-Walled Carbon Nanotubes. , 2013, , 147-188.		37
2755	Challenges and Emerging Issues in Patenting Nanomedicines. , 2012, , 25-48.		3
2756	Properties and Applications of Carbon Nanotubes. , 2001, , 315-330.		13
2757	Microelectrode Arrays: Architecture, Challenges and Engineering Solutions. Series in Bioengineering, 2017, , 41-59.	0.6	8
2758	Background: Carbon Nanotubes for Targeted Drug Delivery. SpringerBriefs in Applied Sciences and Technology, 2019, , 1-9.	0.4	4

#	ARTICLE	IF	CITATIONS
2759	Carbon-based Nanozymes. Nanostructure Science and Technology, 2020, , 171-193.	0.1	3
2760	Carbon-based Nanomaterials in Analytical Chemistry. RSC Detection Science, 2018, , 1-36.	0.0	10
2761	Nanomaterial-based biosensors for DNA methyltransferase assay. Journal of Materials Chemistry B, 2020, 8, 3488-3501.	5.8	21
2762	A Novel Molecularly Imprinting Biosensor Including Graphene Quantum Dots/Multi-Walled Carbon Nanotubes Composite for Interleukin-6 Detection and Electrochemical Biosensor Validation. ECS Journal of Solid State Science and Technology, 2020, 9, 121010.	1.8	87
2763	Carbon Microtubes and Conical Carbon Nanotubes. , 2008, , .		1
2764	Present Status of Hard-Yet-Tough Ceramic Coatings. Advances in Materials Science and Engineering, 2015, , 1-46.	0.4	1
2766	Functionalization and Characterization of MWCNT Produced by Different Methods. Acta Physica Polonica A, 2016, 129, 405-408.	0.5	23
2767	Study of Carbon Foams Synthesized by the Pyrolysis of Wastes Coconut Shells of African Palm at Different Conditions and use of Immersion Calorimetry as a Tool for Characterization. Oriental Journal of Chemistry, 2013, 29, 877-887.	0.3	5
2768	Insertion of Short Amino-Functionalized Single-Walled Carbon Nanotubes into Phospholipid Bilayer Occurs by Passive Diffusion. PLoS ONE, 2012, 7, e40703.	2.5	67
2769	The Effect of DNA-Dispersed Single-Walled Carbon Nanotubes on the Polymerase Chain Reaction. PLoS ONE, 2014, 9, e94117.	2.5	25
2770	Carbon Nanotubes and Related Structures. Defence Science Journal, 2008, 58, 437-450.	0.8	7
2771	Carbon Nanotubes: Detection of Chemical and Biological Warfare Agents. Defence Science Journal, 2008, 58, 617-625.	0.8	14
2772	Stabilizing effect of methylcellulose on the dispersion of multi-walled carbon nanotubes in cementitious composites. Nanotechnology Reviews, 2020, 9, 93-104.	5.8	6
2773	High Concentration Aqueous Mixtures of Single Walled Nanotubes. Materials Research Society Symposia Proceedings, 2003, 772, 911.	0.1	1
2774	Anodic Stripping Voltammetry Determination of Lead ions using Highly Sensitive Modified Electrodes Based on Multi-walled Carbon Nanotube. Journal of Chemistry and Biochemistry, 2014, 2, .	0.3	9
2775	Nanotechnology in Concrete Materials: A Synopsis. , 2012, , .		32
2776	Determination of Magnesium in Blood Serum by Using Carbon Paste Ion Selective Electrode Based on Multi-Walled Carbon Nanotubes and Nano Silicon. , 2017, 1, 001-006.		3
2777	Production and Identification of Vanadium Oxide Nanotubes. Indian Journal of Science and Technology, 2015, 8, 455.	0.7	42

#	ARTICLE	IF	CITATIONS
2778	Study of molten $\text{Li}^{+2}\text{Co}^{+3}$ electrolysis as a method for production of carbon nanotubes. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 28, 111.	0.6	6
2779	Recent Development of Supramolecular Sensors Constructed by Hybridization of Organic Macrocycles with Nanomaterials. Current Organic Chemistry, 2020, 24, 265-290.	1.6	13
2780	Analysis of Functional Group Sited on Multi-Wall Carbon Nanotube Surface. Open Materials Science Journal, 2011, 5, 242-247.	0.2	159
2781	Effect of Multi-Walled Carbon Nanotubes on MUC5AC and MUC5B Expression in Airway Epithelial Cells. Korean Journal of Otorhinolaryngology-Head and Neck Surgery, 2015, 58, 552.	0.2	4
2782	Research on Fabrication and Structure of Ag Nanoparticle/Carbon Nanotubes Composites. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2009, 24, 122-124.	1.3	1
2783	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
2784	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
2785	Nanomaterials, Novel Preparation Routes, and Characterizations. Advances in Environmental Engineering and Green Technologies Book Series, 2015, , 1-40.	0.4	1
2786	Carbon Nanomaterials. Advances in Chemical and Materials Engineering Book Series, 2019, , 1-33.	0.3	2
2787	Can amino-functionalized carbon nanotubes carry functional nerve growth factor?. Neural Regeneration Research, 2014, 9, 285.	3.0	20
2788	Preparation and Photonic Properties of CNT/TiO ₂ Composites Derived from MWCNT and Organic Titanium Compounds. Journal of the Korean Ceramic Society, 2009, 46, 234-241.	2.3	7
2789	Electrochemical Preparation of TiO ₂ /CNT Electrodes with a TNB Electrolyte and Their Photoelectrocatalytic Effects. Journal of the Korean Ceramic Society, 2009, 46, 357-364.	2.3	4
2790	Electro-chemical Preparation of TiO ₂ /CNT Electrodes with TNB Electrolyte and Their Photoelectrocatalytic Effect. Journal of the Korean Ceramic Society, 2009, 46, 554-560.	2.3	2
2791	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
2792	Synthesis, Structural and Photophysical Properties of $\text{Gd}^{+2}\text{O}^{+3}\text{Eu}^{+3}$ Nanostructures Prepared by a Microwave Sintering Process. Advances in Chemical Engineering and Science, 2014, 04, 374-388.	0.5	22
2793	Carbon Nanotubes as Nanosensor for Differential Electrolytic Micropotentiometry. American Journal of Analytical Chemistry, 2014, 05, 879-890.	0.9	4
2794	Dispersion and Performance Properties of Carbon Nanotubes (CNTs) Based Polymer Composites: A Review. Journal of Encapsulation and Adsorption Sciences, 2012, 02, 69-78.	0.3	49
2795	Nano-Sized Elements in Electrochemical Biosensors. Materials Sciences and Applications, 2014, 05, 752-766.	0.4	3

#	ARTICLE	IF	CITATIONS
2796	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
2797	Functionalization of Shortened SWCNTs Using Esterification. Bulletin of the Korean Chemical Society, 2004, 25, 1301-1302.	1.9	31
2798	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
2799	Electrochemical Determination of Artemisinin Using a Multi-wall Carbon Nanotube Film-modified Electrode. Bulletin of the Korean Chemical Society, 2008, 29, 1386-1390.	1.9	7
2800	Polymeric Nano-half-shells prepared by Simple Solvent Evaporation Method. Bulletin of the Korean Chemical Society, 2009, 30, 1-3.	1.9	9
2801	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
2802	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
2803	Functionalization of carbon nanotubes and other nanocarbons by azide chemistry. Nano-Micro Letters, 2010, 2, 213.	27.0	3
2804	Electrochemical Characteristics of CNT/TiO ₂ Nanocomposites Electrodes for Cancer Cell Sensor. Journal of the Korean Electrochemical Society, 2008, 11, 105-108.	0.1	2
2805	Parametric study on synthesis of carbon nanotubes by the vertical spray pyrolysis method. Carbon Letters, 2011, 12, 102-106.	5.9	9
2806	Macroscopic Synthesis of Vertically Aligned Carbon Nanotubes Using Floating Catalyst Chemical Vapor Deposition Method. Japanese Journal of Applied Physics, 2012, 51, 015101.	1.5	2
2807	Carbon Nanotube Based Amperometric Biosensor for the Quantitative Detection of Cholesterol. IOSR Journal of Biotechnology and Biochemistry, 2017, 03, 10-20.	0.1	6
2808	A stabilization of the electrospun, modified polyacrylonitril with functionalized single-walled carbon nanotubes. Journal of Engineered Fibers and Fabrics, 2021, 16, 155892502110462.	1.0	0
2809	Synthesis, processing and finite element analysis of CNT based polymer composites. AIP Conference Proceedings, 2021, , .	0.4	0
2810	Physical and chemical properties of carbon nanotubes in view of mechanistic neuroscience investigations. Some outlook from condensed matter, materials science and physical chemistry. Materials Science and Engineering C, 2021, 131, 112480.	7.3	16
2812	Silicon-Based Nanowires. , 2003, , 413-462.		0
2813	Cylindrical-Wave Method in Theory of Pristine and Metal-Doped Nanotubes and Nanowires. , 2003, , 409-452.		0
2814	Review of Polymer Composities with Carbon Nanotubes. , 2003, , 413-454.		0

#	ARTICLE	IF	CITATIONS
2815	Carbon Nanofiber and Carbon Nanotube/ Polymer Composite Fibers and Films. , 2005, , .		0
2816	Plasma Deposition of Ultra-Thin Functional Films on Nanoscale Materials. , 2005, , .		0
2817	Electrical Conductivity of Single Molecules. Nanoscience and Technology, 2006, , 159-181.	1.5	0
2819	Controlled Synthesis of Carbon Nanotubes Using Chemical Vapor Deposition Methods. , 2006, , 79-106.		0
2820	Applications of Carbon Nanotubes in Bio-Nanotechnology. , 2007, , 439-475.		0
2821	Chapter 44. Nano and Mesoporous Materials: A Study by HREM. , 2007, , 727-744.		0
2822	Controlled Processes for Growth of Carbon Nanotube Structures. , 2007, , 1-13-1-13.		0
2825	Pharmacological Applications of Biocompatible Carbon Nanotubes and Their Emerging Toxicology Issues. Carbon Materials, 2008, , 283-316.	1.2	1
2826	Processing of Biosensing Materials and Biosensors. , 2008, , 401-453.		0
2827	Nanotechnology in Stem Cell Biology and Technology. , 2008, , .		1
2828	Transporting and Separating Molecules Using Tailored Nanotube Membranes. , 2008, , 693-708.		0
2830	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
2831	The Fundamentals of Hard and Superhard Nanocomposites and Heterostructures. , 2010, , 13-46.		0
2832	Toughness and Toughening of Hard Nanocomposite Coatings. , 2010, , 99-145.		1
2833	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
2835	Carbon-Nanotube-Based LbL Assembly. , 2010, , 1-33.		0
2836	Overview on the Major Research Activities on Carbon Nanotubes being done in America, Europe and Asia. , 2011, , 247-333.		0
2837	Direct Growth of CNT on Cu Foils for Conductivity Enhancement and Their Field Emission Property Characterization. Applied Science and Convergence Technology, 2011, 20, 155-163.	0.9	0

#	ARTICLE	IF	CITATIONS
2839	Boiling Heat Transfer Coefficients of Nanofluids Containing Carbon Nanotubes up to Critical Heat Fluxes. Transactions of the Korean Society of Mechanical Engineers, B, 2011, 35, 665-676.	0.1	1
2840	Probing Cells with Nanotechnology. , 2011, , 1032-1057.		0
2841	5 Carbon Nanotube-Based Electrochemical Bios. , 2012, , 394-432.		0
2842	Electrochemical Construction and Optical Properties of Ordered Micro/ Nano-Structured Arrays Based on Colloidal Monolayer. , 2012, , 305-353.		0
2843	Biomedicine Applications of Nanomaterials. , 2012, , 565-592.		0
2844	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
2845	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
2846	Wetting in Carbon Inorganic and Organic Nanotubes and Nanochannels. , 2013, , .		0
2847	Applications of Nanomaterials in Construction Industry. Advances in Chemical and Materials Engineering Book Series, 2014, , 164-175.	0.3	0
2848	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
2849	Classes of CPs: Part 2. , 1999, , 393-429.		0
2853	Carbon Nanotubes: A New Methodology for Enhanced Squeeze Lifetime CNTs. , 2014, , .		0
2855	Polyelectrolyte Films with Incorporated Carbon Nanotubes. , 0, , 3683-3689.		0
2856	Nanostructured Materials: Synthesis in Supercritical Fluids. , 0, , 3290-3300.		0
2857	Preparation, Properties, and Processibility of Nanocomposites Based on Poly(ethylene-Co-Methyl) Tj ETQqO O O rgBT /Overlock 10 Tf 50		
2858	Learning Synergism in Nanotechnology and Chemical Engineering by Case Study. , 2015, , 179-272.		0
2859	A Study on the Influence of Boiling Heat Transfer of Nanofluid with Particle Length and Mixing Ratio of Carbon Nanotube. Korean Journal of Air-Conditioning and Refrigeration Engineering, 2015, 27, 1-7.	0.1	2
2860	Fabrication of Electrospun Cobalt Nanofiber. Journal of Sensor Science and Technology, 2015, 24, 35-40.	0.2	3

#	ARTICLE	IF	CITATIONS
2861	Application of Starch Nanocomposites in the Food Industry. RSC Green Chemistry, 2015, , 352-402.	0.1	0
2862	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
2863	Membranes in Power Generation: A Review of Current Uses and Emerging Applications. , 2015, , 504-523.		0
2865	Role of Top and Interlayer Metal Nanoparticle Grafting on CNTs: Improved Raman Scattering and Electron Emission Investigations. , 2015, , 58-81.		0
2866	Electromechanical Properties and Applications of Carbon Nanotube Nanocantilevers. , 2016, , 195-220.		0
2867	Nanomaterials: Conducting Polymers and Sensing. , 0, , 5311-5335.		0
2868	DNA and Carbon-Based Nanomaterials: Preparation and Properties of Their Composites. , 2016, , 90-133.		0
2870	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
2871	Structural derivative and electronic properties of zigzag carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 093601.	0.5	2
2872	Applications of Nanomaterials in Construction Industry. , 2017, , 846-858.		0
2873	Nanomaterials: Conducting Polymers and Sensing. , 2017, , 1035-1059.		0
2874	Carbon Nanotube Y-Junctions. , 2017, , 277-308.		0
2875	Basic Electrochemistry of CPs. , 2018, , 283-309.		0
2876	Miscellaneous CNT Applications. , 2018, , 89-90.		0
2877	CNT Applications in Specialized Materials. , 2018, , 45-48.		0
2878	Structural Aspects and Morphology of CPs. , 2018, , 389-402.		0
2879	Electronic Structure and Conduction Models of Graphene. , 2018, , 101-106.		0
2880	Electrochromics. , 2018, , 601-624.		1

#	ARTICLE	IF	CITATIONS
2881	Classes of CPs: Part 1. , 2018, , 489-507.		0
2882	Electro-Optic and Optical Devices. , 2018, , 671-684.		2
2883	Conduction Models and Electronic Structure of CNTs. , 2018, , 11-16.		0
2884	Miscellaneous Applications. , 2018, , 695-715.		0
2885	CNT Applications in the Environment and in Materials Used in Separation Science. , 2018, , 81-87.		0
2886	Graphene Applications in Displays and Transparent, Conductive Films/Substrates. , 2018, , 147-148.		0
2887	Classes of CPs: Part 2. , 2018, , 509-545.		0
2888	Introducing Conducting Polymers (CPs). , 2018, , 159-174.		0
2889	Syntheses and Processing of CPs. , 2018, , 311-388.		0
2890	Physical, Mechanical, and Thermal Properties of CNTs. , 2018, , 33-36.		0
2891	CNT Applications in Electrical Conductors, “Quantum Nanowires,” and Potential Superconductors. , 2018, , 77-79.		1
2892	Toxicology of CNTs. , 2018, , 37-39.		0
2893	Synthesis, Purification, and Chemical Modification of CNTs. , 2018, , 17-31.		0
2894	Introducing Graphene. , 2018, , 93-99.		0
2896	Conduction Models and Electronic Structure of CPs. , 2018, , 175-249.		1
2897	Brief, General Overview of Applications. , 2018, , 123-124.		0
2898	Electrochemomechanical, Chemomechanical, and Related Devices. , 2018, , 685-693.		0
2899	Displays, Including Light-Emitting Diodes (LEDs) and Conductive Films. , 2018, , 625-654.		0

[illegible]

#	ARTICLE	IF	CITATIONS
2921	Study the Effects of Supramolecular Interaction on Diffusion Kinetics in Hybrid Hydrogels of Zwitterionic Polymers and CNTs. <i>Macromolecular Chemistry and Physics</i> , 0, , 2100348.	2.2	3
2923	Overall control of field emission from carbon nanotube paste-emitters through macro-geometries for high-performance electron source applications. <i>Carbon</i> , 2022, 189, 519-529.	10.3	10
2925	Effects of synthesis route on the performance of mesoporous ceria-alumina and ceria-zirconia-alumina supported nickel catalysts in steam and autothermal reforming of diesel. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 4568-4583.	7.1	5
2926	Natural rubber-based polymer blends and composites. , 2022, , 19-37.		0
2927	Simultaneous, Selective and Highly Sensitive Voltammetric Determination of Lead, Cadmium, and Zinc via Modified Pencil Graphite Electrodes. <i>Electroanalysis</i> , 0, , .	2.9	2
2928	Stochastic Microsensors Based on Carbon Nanotubes for Molecular Recognition of the Isocitrate Dehydrogenases 1 and 2. <i>Nanomaterials</i> , 2022, 12, 460.	4.1	2
2929	Superior fast switching of surface-stabilized liquid crystal switchable devices employing graphene dispersion. , 2022, , 185-199.		0
2930	Mechanical properties of recycled nanomaterials. , 2022, , 317-337.		0
2931	Environmental Applications of Sorbents, High-Flux Membranes of Carbon-Based Nanomaterials. <i>Adsorption Science and Technology</i> , 2022, 2022, .	3.2	6
2932	Impact of channel parameters on threshold voltage at variable temperatures of Double-gate CNTFET. <i>Superlattices and Microstructures</i> , 2022, 164, 107168.	3.1	1
2934	Carbon nanomaterials: Application as sensors for diagnostics. , 2022, , 211-248.		3
2935	Electric Properties of Multiwalled Carbon Nanotubes Dispersed in Liquid Crystals and Their Influence on Freedericksz Transitions. <i>Nanomaterials</i> , 2022, 12, 1119.	4.1	7
2936	Selective dispersion of semiconducting single-walled carbon nanotubes with aromatic polyimides. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 0, , 1-10.	2.1	0
2937	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
2938	The hybrids of perylene tetracarboxylic acid functionalized multi-walled carbon nanotubes and chitosan for electrochemical chiral sensing of tryptophan enantiomers. <i>Bioelectrochemistry</i> , 2022, 146, 108110.	4.6	25
2939	Study of Mechanical and Optical Properties of Aligned Multiwall Carbon Nanotubes in Poly(methyl) Tj ETQq1 1 0.784314 rgBj /Overlock	1.0	10
2940	Carbon Nanotube Based Metalâ€“Organic Framework Hybrids From Fundamentals Toward Applications. <i>Small</i> , 2022, 18, e2104628.	10.0	33
2941	Multi-walled carbon nanotubes (MWCNTs)-reinforced ceramic nanocomposites for aerospace applications: a review. <i>Journal of Materials Science</i> , 2022, 57, 3923-3953.	3.7	31

#	ARTICLE	IF	CITATIONS
2942	Investigation on fusion of Boron Nitride reinforced aluminium composite by cryogenic milling. Materials Today: Proceedings, 2022, , .	1.8	0
2946	The use of carbon nanotubes material in sensing applications for H1-antihistamine drugs. , 2022, , 335-346.		2
2947	Interaction of amino acids, peptides, and proteins with two-dimensional carbon materials. Theoretical and Computational Chemistry, 2022, , 191-210.	0.4	1
2948	Electropolymerized Aniline-Based Stainless Steel Fiber Coatings Modified by Multi-Walled Carbon Nanotubes for Electroanalysis of 4-Chlorophenol. Materials, 2022, 15, 3436.	2.9	0
2949	Computer and experimental study of field-induced conductivity modulation in liquid crystalâ€“carbon nanotubes system. Molecular Crystals and Liquid Crystals, 0, , 1-8.	0.9	0
2950	Application of Nanomaterial Modified Aptamer-Based Electrochemical Sensor in Detection of Heavy Metal Ions. Foods, 2022, 11, 1404.	4.3	16
2951	Effect of dual-modified CNTs on strength and chloride resistance of cementitious systems. Advances in Cement Research, 0, , 1-44.	1.6	0
2952	The Modified Glassy Carbon Electrode by MWCNTs-PLL to Detect Both Paracetamol and Ibuprofen in Human Biological Fluid. Journal of the Electrochemical Society, 2022, 169, 057525.	2.9	1
2953	Multiwall carbon nanotubes-based composites â€“ mechanical characterization using the nanoindentation technique. International Journal of Materials Research, 2022, 97, 1235-1238.	0.3	2
2954	Soil toxicity and remediation techniques. , 2022, , 411-429.		0
2955	Remediation of pesticide residues from contaminated water using various nanomaterials and nanocomposites. , 2022, , 229-251.		0
2956	Nanocomposites of Carbon Nanotubes for Electrochemical Energy Storage Applications. Advances in Material Research and Technology, 2022, , 245-265.	0.6	1
2957	High-Performance Field Electron Emitters Fabricated Using a Free-Standing Carbon Nanotube Film. IEEE Journal of the Electron Devices Society, 2022, 10, 402-407.	2.1	3
2958	Field-Effect Transistor-Based Biosensors for Environmental and Agricultural Monitoring. Sensors, 2022, 22, 4178.	3.8	21
2959	The emergence of graphene research topics through interactions within and beyond. Quantitative Science Studies, 2022, 3, 457-484.	3.3	0
2960	Tunable β -phase of polyvinylidene fluoride to enhance piezoelectric coefficient. Journal of Polymer Research, 2022, 29, .	2.4	0
2961	Epoxy Nanocomposites with Carbon Nanotubes. ACS Symposium Series, 0, , 169-200.	0.5	1
2962	Scientific zero to one: Some common properties of highly-influential papers. Malaysian Journal of Library and Information Science, 2021, 26, 1-32.	0.4	0

#	ARTICLE	IF	CITATIONS
2963	Functionalized multiwall carbon nanotube-molybdenum disulphide nanocomposite based electrochemical ultrasensitive detection of neurotransmitter epinephrine. Materials Chemistry and Physics, 2022, 290, 126656.	4.0	11
2964	A robust and scalable electron transparent multi-stacked graphene gate for effective electron-beam convergence in field emission digital X-ray sources. Applied Surface Science, 2022, 604, 154524.	6.1	2
2965	Design of Graphene and nanotubes from aromatic compounds: a theoretical study. Journal of Molecular Modeling, 2022, 28, .	1.8	0
2966	Frost-resistant and ultrasensitive strain sensor based on a tannic acid-nanocellulose/sulfonated carbon nanotube-reinforced polyvinyl alcohol hydrogel. International Journal of Biological Macromolecules, 2022, 219, 199-212.	7.5	16
2967	Surface morphology and mechanical properties of poly (vinylidene fluoride) reinforced with carbon nanotubes. AIP Conference Proceedings, 2022, , .	0.4	0
2968	Potential Applications of Carbon Nanotubes for Environmental Protection. , 2022, , 194-212.		0
2970	Fabrication of DNA-based Biosensors Driven by Electrostatic Attractions on Electrodes Modified with Reduced Graphene Oxide and Multi-walled Carbon Nanotubes. ChemNanoMat, 2022, 8, .	2.8	2
2971	A comprehensive overview of carbon dioxide capture: From materials, methods to industrial status. Materials Today, 2022, 60, 227-270.	14.2	13
2972	Novel Research on the Use of Multi-Wall Carbon Nanotubes Functionalized with Copper Oxide Nanoparticles in the Adsorptive Desulphurization of Crude Oil: Laboratory Research. ECS Journal of Solid State Science and Technology, 2022, 11, 091012.	1.8	3
2973	Sensors Based on the Carbon Nanotube Field-Effect Transistors for Chemical and Biological Analyses. Biosensors, 2022, 12, 776.	4.7	11
2974	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
2975	Advanced Applications of Carbon Nanotubes in Engineering Technologies. , 2022, , 2001-2038.		0
2977	Single-chirality of single-walled carbon nanotubes (SWCNTs) through chromatography and its potential biological applications. New Journal of Chemistry, 2023, 47, 992-1022.	2.8	1
2978	Synthesis and characterization of poly(vinylidene fluoride) reinforced with multi walled carbon nanotubes. AIP Conference Proceedings, 2022, , .	0.4	0
2979	Electronic Transport and Electrical Properties of Carbon Nanotubes. , 2022, , 173-211.		0
2981	Carbon nanotubes enhanced bimorph effect of U-shaped flexure cantilever beam actuators made from polyethylene terephthalate and polymethyl methacrylate. Materials Research Express, 2022, 9, 125007.	1.6	0
2982	Non-negligible roles of charge transfer excitons in ultrafast excitation energy transfer dynamics of a double-walled carbon nanotube. Journal of Chemical Physics, 2023, 158, .	3.0	2
2983	Optimized Heat Transfer Rate in Cu/CNT Nano Composite Prepared by Electrodeposition Technique. , 2023, 2, 011001.		0

#	ARTICLE	IF	CITATIONS
2984	Applications of Fluorescent Carbon Dots as Photocatalysts: A Review. Catalysts, 2023, 13, 179.	3.5	15
2985	Synthesis, Characterization and Bioassay of Nanocarbendazim – An Ecofriendly Benzimidazole Fungicide. Biosciences, Biotechnology Research Asia, 2022, 19, 963-969.	0.5	0
2986	Synthesis of azetidines by cycloaddition of imines to ketenes-I. , 2023, , 91-123.		0
2987	Graphene and carbon nanotubes-based polymer nanocomposites. , 2023, , 205-218.		3
2988	Nanofluids for CO2 capture. , 2023, , 89-135.		1
2989	Fundamentals and functionalization of CNTs and other carbon nanomaterials. , 2023, , 77-90.		0
2990	Tailoring of physical properties of glassy selenium (g-Se) by using multi-walled carbon nanotubes (MWCNTs). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 290, 116310.	3.5	3
2991	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
2992	PANI-wrapped BaFe12O19 and SrFe12O19 with rGO composite materials for electromagnetic interference shielding applications. Heliyon, 2023, 9, e13648.	3.2	8
2993	PVK-grafted multiwalled carbon nanotube materials with enhanced mobility for electronic devices. Applied Surface Science Advances, 2023, 13, 100376.	6.8	3
2995	Click-Functionalization of Silanized Carbon Nanotubes: From Inorganic Heterostructures to Biosensing Nanohybrids. Molecules, 2023, 28, 2161.	3.8	0
2996	Nanobiohybrid Materials for Development of Biosensors. , 2023, , 27-72.		0
2997	Notable electrical and mechanical properties of polyacrylamide (PAM) with graphene oxide (GO) and single-walled carbon nanotubes (SWCNTs). International Polymer Processing, 2023, .	0.5	0
2998	Functionalized nanofiber-based drug delivery systems and biosensing devices. , 2023, , 211-251.		2
2999	Gold coated vertically aligned carbon nanotubes as electrode for electrochemical capacitors. Thin Solid Films, 2023, 777, 139894.	1.8	0
3000	Electrocatalytic barium-oxide decorated MWCNT amperometric sensor for the quantification of anesthetic drug Procaine. Colloids and Surfaces B: Biointerfaces, 2023, 227, 113363.	5.0	1
3002	Carbon Nanotubes as an Alternative to Copper Wires in Electrical Machines: A Review. Energies, 2023, 16, 3665.	3.1	1
3003	Experimental and simulation study of the effects of multi-walled carbon nanotubes in clayey soils. Applied Nanoscience (Switzerland), 2023, 13, 6249-6257.	3.1	1

#	ARTICLE	IF	CITATION
3004	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
3005	Functionalization of dielectric BaTiO ₃ and semiconducting ZnO nanoparticles on rGO layers and their polymer composites: Applications in EMI shielding. Synthetic Metals, 2023, 297, 117387.	3.9	10
3006	Nanocomposite thin-film structures based on a polyelectrolyte complex of chitosan and chitosan succinamide with SWCNT. Letters on Materials, 2023, 13, 132-137.	0.7	2
3007	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
3008	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
3009	A Novel Nano-Composite Tb ³⁺ Carbon Paste Electrode. International Journal of Electrochemical Science, 2010, 5, 967-977.	1.3	29
3010	Response Surface Optimization of MWCNT modified Carbon Paste Electrode for Zn(II) Determination. International Journal of Electrochemical Science, 2015, 10, 7303-7319.	1.3	1
3011	Size- and Chirality-Dependent Structural and Mechanical Properties of Single-Walled Phenine Nanotubes. Materials, 2023, 16, 4706.	2.9	0
3012	Effect of multiwalled carbon nanotubes (MWCNTs) distribution on physiomechanical characteristics of alumina (Al ₂ O ₃) matrix nanocomposite. Diamond and Related Materials, 2023, 136, 109975.	3.9	0
3013	Polymer Composites With High Thermal Conductivity for HVDC Cable Insulation: A Review. IEEE Transactions on Dielectrics and Electrical Insulation, 2023, 30, 2444-2459.	2.9	3
3014	La ³⁺ Carbon Nanotube (CNT) Based Electrode Using a New (1-[(2-[2-(2-hydroxy-1-naphthyl)-3-(2-[[[E]-1-(2-hydroxy-1-naphthyl)methylidene]amino}ethyl)-1-imidazolidinyl]ethyl)imino)methyl]-2-na International Journal of Electrochemical Science, 2010, 5, 1743-1753.	1.3	17
3015	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
3016	Fabrication of a Tb ³⁺ Carbon Paste Ion Selective Electrode by Using Nanosilica and Multi-Walled Carbon Nanotubes (MWCNTs). International Journal of Electrochemical Science, 2015, 10, 2791-2800.	1.3	12
3017	FFT Continuous Cyclic Voltammetry Triglyceride Dual Enzyme Biosensor Based on MWCNTs-CeO ₂ Nanoparticles. International Journal of Electrochemical Science, 2010, 5, 1422-1433.	1.3	14
3018	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
3019	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
3020	Effect of Multi Walled Carbon Nanotubes as Counter Electrode on Dye Sensitized Solar Cells. International Journal of Electrochemical Science, 2014, 9, 2029-2037.	1.3	18
3021	Direct Electrochemistry of Catalase in Multiwall Carbon Nanotube/dodecyl Trimethylammonium Bromide Film Covered With a Layer of Nafion on a Glassy Carbon Electrode. International Journal of Electrochemical Science, 2011, 6, 581-595.	1.3	15

#	ARTICLE	IF	CITATIONS
3022	MWCNTs-Ionic Liquids-Ionophore-Graphite Nanocomposite Based Sensor for Selective Determination of Ytterbium(III) Ion. International Journal of Electrochemical Science, 2010, 5, 1103-1112.	1.3	34
3023	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
3024	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
3025	Flow Injection Glutamate Biosensor Based on Carbon Nanotubes and Pt-Nanoparticles Using FFT Continuous Cyclic Voltammetry. International Journal of Electrochemical Science, 2010, 5, 1713-1725.	1.3	10
3026	Er ³⁺ Carbon Paste Electrode Based on New Nano-composite. International Journal of Electrochemical Science, 2010, 5, 367-376.	1.3	19
3027	A Modified Ho ³⁺ Carbon Paste Electrode Based on Multi-walled Carbon Nanotubes (MWCNTs) and Nanosilica. International Journal of Electrochemical Science, 2009, 4, 906-913.	1.3	41
3028	Improvement of a Lu Carbon Paste Electrode Based on MWCNT/Nanosilica/Binder/Ionophore Nanocomposite. International Journal of Electrochemical Science, 2015, 10, 8124-8136.	1.3	9
3029	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
3030	Flow Injection Phosphate Biosensor Based on PyOx-MWCNTs Film on a Glassy Carbon Electrode Using FFT Continuous Cyclic Voltammetry. International Journal of Electrochemical Science, 2010, 5, 1225-1235.	1.3	12
3031	Glucose Biosensor Based on MWCNTs-Gold Nanoparticles in a Nafion Film on the Glassy Carbon Electrode Using Flow Injection FFT Continuous Cyclic Voltammetry. International Journal of Electrochemical Science, 2010, 5, 1213-1224.	1.3	68
3032	Improvement of Carbon Paste Ion Selective Electrode Response by Using Room Temperature Ionic Liquids (RTILs) and Multi-Walled Carbon Nanotubes (MWCNTs). International Journal of Electrochemical Science, 2009, 4, 435-443.	1.3	97
3033	Nanocomposite Carbon Paste Sensor for Selective Determination of Lu(III) Ion. International Journal of Electrochemical Science, 2011, 6, 3704-3713.	1.3	10
3034	Construction of a Fe ³⁺ Carbon Paste Electrode Based on Multiwalled Carbon Nanotubes (MWCNTs)/Nanosilica. International Journal of Electrochemical Science, 2014, 9, 8320-8329.	1.3	3
3035	Praseodymium Selective Carbon Paste Electrode based on Carbon Nanotubes and Ionic Liquids. International Journal of Electrochemical Science, 2011, 6, 3694-3703.	1.3	20
3036	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
3037	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
3038	Voltammetric Determination of N-Acetylcysteine Using Modified Multiwall Carbon Nanotubes Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 6141-6150.	1.3	64
3039	Fluoxetine Determination by PVC membrane and Nano-Composite Carbon Paste Electrodes. International Journal of Electrochemical Science, 2011, 6, 2299-2311.	1.3	11

#	ARTICLE	IF	CITATIONS
3040	Electrocatalytic Detection of Isoproterenol at a Ferrocene-Multiwall Carbon Nanotubes Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 2596-2608.	1.3	23
3041	Biogenic amine sensors using organic Î€-conjugated materials as active sensing components and their commercialization potential. Journal of Materials Chemistry C, 2023, 11, 9749-9767.	5.5	2
3042	Nano-Composite Carbon Paste Electrode and PVC membrane Sensor for Potentiometric Determination of Erythromycin. International Journal of Electrochemical Science, 2011, 6, 1968-1980.	1.3	13
3043	A Nano-composite Carbon Paste Lanthanum(III) Sensor. International Journal of Electrochemical Science, 2011, 6, 1981-1990.	1.3	10
3044	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
3045	Template free synthesis of CuO nanocomposite for catalytic hydrogenation of CO2. Journal of Environmental Management, 2023, 344, 118592.	7.8	0
3046	Band-Gap Behaviors of Graphyne-/Graphdiyne-Derived Chiral Nanotubes. Journal of Physical Chemistry C, 0, , .	3.1	0
3047	Carbon Nanorings and Nanobelts: Material Syntheses, Molecular Architectures, and Applications. Advanced Functional Materials, 2023, 33, .	14.9	3
3048	The structural stability, electronic properties regulation and feasibility of controllable preparation of a C0.5/(BN)0.5 heterojunction single-walled nanotube. Heliyon, 2023, 9, e19382.	3.2	0
3049	A review on synthetic methods and applications of carbon supported copper nanomaterials. Materials Today Communications, 2023, 37, 107169.	1.9	0
3050	A comprehensive review of fabrication techniques and their impact on mechanical behaviour and osteoregenerative applications of bioactive inorganic substituents. Materials Research Letters, 2023, 11, 821-855.	8.7	1
3051	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
3053	Densification effect on field emission characteristics of CNT film emitters for electron emission devices. Nanotechnology, 2024, 35, 065701.	2.6	1
3054	Research on power system de-carbonization technology based on carbon flow analysis. , 2023, , .		0
3055	Novel heterogeneous Fe-based catalysts for carbon dioxide hydrogenation to long chain Î±-olefins-A review. Environmental Research, 2024, 242, 117715.	7.5	0
3056	Applications of Graphene-Based Nanomaterials as Contrast Agents in Biomedical Imaging Technologies: A Review. , 0, , .		0
3057	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
3058	Determination of promethazine in forensic samples using multi-walled carbon nanotube-gold nanoparticle electrochemical sensor. Analytical Methods, 2024, 16, 817-829.	2.7	0

#	ARTICLE	IF	CITATIONS
3059	Enhancing Sensitivity and Selectivity: Morphological Modification and Chemical Functionalization within Confined Structures. International Journal of Precision Engineering and Manufacturing, 2024, 25, 875-895.	2.2	0
3060	Rheology in Product Development: An Insight into 3D Printing of Hydrogels and Aerogels. Gels, 2023, 9, 986.	4.5	0
3062	Electro-oxidation of pyrene on glassy carbon electrode modified with fMWCNTs/CuO nanocomposite. Materials Research Express, 2024, 11, 025004.	1.6	0
3063	Fabrication of three dimensional graphene/carbon nanotube/copper foam field emitter by electrophoretic deposition and its emission properties. Chemical Physics Letters, 2024, 838, 141101.	2.6	0
3064	Carbon-based Materials for Li-ion Battery. Batteries and Supercaps, 2024, 7, .	4.7	0
3065	Amplifying Nanoparticle Reinforcement through Low Volume Topologically Controlled Chemical Coupling. ACS Macro Letters, 2024, 13, 280-287.	4.8	0
3066	Review on synthesis and characterization of metal nanoparticles doped carbon nanofillers based nanohybrids reinforced polyaniline nanocomposites. Polymer-Plastics Technology and Materials, 2024, 63, 1011-1035.	1.3	0
3067	Hydrogen storage efficiency of Fe doped carbon nanotubes: molecular simulation study. RSC Advances, 2024, 14, 9763-9780.	3.6	0