Carbon nanotubes: properties and application

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Citation Report

#	Article	IF	CITATIONS
1	Neutron Spectroscopy of Carbon nano-Materials. Materials Research Society Symposia Proceedings, 2004, 840, Q2.3.1.	0.1	0
2	Coulomb interactions and the problem of stability of inorganic nanotubes. Doklady Physical Chemistry, 2004, 399, 293-297.	0.2	2
3	Coulomb interactions and the problem of stability of inorganic nanotubes. Doklady Physical Chemistry, 2004, 399, 293-297.	0.2	2
4	Biomolecule-Functionalized Carbon Nanotubes: Applications in Nanobioelectronics. ChemPhysChem, 2004, 5, 1084-1104.	1.0	675
5	Nanotube and nanowire transistors. , 0, , .		0
6	Transformation Mechanism from Carbon Nanotubes to n-diamond. Journal of Materials Research, 2005, 20, 1485-1489.	1.2	5
7	Status of ion track technology—Prospects of single tracks. Radiation Measurements, 2005, 40, 191-202.	0.7	83
8	Predicting the elastic properties of single-walled carbon nanotubes. Journal of the Mechanics and Physics of Solids, 2005, 53, 1929-1950.	2.3	76
9	Using oxidized carbon nanotubes as matrix for analysis of small molecules by MALDI-TOF MS. Journal of the American Society for Mass Spectrometry, 2005, 16, 883-892.	1.2	154
10	A simple purification for single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 309-312.	1.3	56
11	Synthesis and characterization of multi-walled carbon nanotubes reinforced polyamide 6 via in situ polymerization. Polymer, 2005, 46, 5125-5132.	1.8	209
12	Simulation of silicon etching through a fluorocarbon layer. Vacuum, 2005, 79, 119-123.	1.6	4
13	Amorphous carbon nanostructures from chlorination of ferrocene. Carbon, 2005, 43, 978-985.	5.4	37
14	Investigation of the Initial Stages of Defect Formation in Carbon Nanotubes under Irradiation with Argon Ions. Physics of the Solid State, 2005, 47, 772.	0.2	4
15	Multi-Walled Carbon Nanotube Coatings Using Electrophoretic Deposition (EPD). Journal of the American Ceramic Society, 2005, 88, 980-982.	1.9	156
16	Uniform Carbon and Carbon/Cobalt Nanostructures by Solid-State Thermolysis of Polyphenylene Dendrimer/Cobalt Complexes. Advanced Materials, 2005, 17, 2957-2960.	11.1	52
17	Growth of carbon nanotubes by open-air laser-induced chemical vapor deposition. Carbon, 2005, 43, 437-446.	5.4	61
18	Electrical and mechanical properties of polyimide–carbon nanotubes composites fabricated by in situ polymerization. Polymer, 2005, 46, 7418-7424.	1.8	303

#	Article	IF	CITATIONS
19	Electronic and vibrational properties of chemically modified single-wall carbon nanotubes. Surface Science Reports, 2005, 58, 1-1.	3.8	177
20	New framework nanostructures of carbon atoms in sp 2 and sp 3 hybridized states. Journal of Structural Chemistry, 2005, 46, 961-967.	0.3	6
21	Molecular Dynamics Study of the Mechanical and Electronic Properties of Carbon Nanotubes. Small, 2005, 1, 399-402.	5.2	16
22	Density-functional study of the mechanical and electronic properties of narrow carbon nanotubes under axial stress. Physical Review B, 2005, 72, .	1.1	31
23	n-diamond from catalysed carbon nanotubes: synthesis and crystal structure. Journal of Physics Condensed Matter, 2005, 17, L513-L519.	0.7	12
24	Thermal Oxidation Profiling of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2005, 17, 6819-6834.	3.2	132
25	The Effect of Hydrogen, Helium and Their Mixtures on the Synthesis of Carbon Nanotubes in a DC Arcâ€Discharger. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 155-169.	1.0	3
26	Improvement of the Elastic Modulus of Micromachined Structures using Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2005, 875, 1.	0.1	0
27	Carbon Nanotube Synthesis: A Review. International Journal of Chemical Reactor Engineering, 2005, 3, .	0.6	68
28	Exploration Study of Multifunctional Metallic Nanocomposite Utilizing Single-Walled Carbon Nanotubes for Micro/Nano Devices. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2005, 219, 67-72.	0.1	5
29	Nano-Welding by Scanning Probe Microscope. Journal of the American Chemical Society, 2005, 127, 8268-8269.	6.6	44
30	Carbon Nanotubes for Biomedical Applications. IEEE Transactions on Nanobioscience, 2005, 4, 180-195.	2.2	348
31	Mechanical Properties of Continuously Spun Fibers of Carbon Nanotubes. Nano Letters, 2005, 5, 1529-1533.	4.5	178
32	Conductivity landscape of highly oriented pyrolytic graphite surfaces containing ribbons and edges. Physical Review B, 2005, 72, .	1.1	78
33	Carbon Nanotube Based Memory Using CMOS Production Techniques. , 2006, , .		3
34	Morphological and Tribological Characterization of Rough Surfaces by Atomic Force Microscopy. Nanoscience and Technology, 2006, , 261-298.	1.5	3
35	Enhanced conductivity in graphene layers and at their edges. Applied Physics Letters, 2006, 88, 062111.	1.5	61
36	A Customized Radiation Sensor for Ionization Collection. IEEE Sensors Journal, 2006, 6, 1523-1530.	2.4	1

#	Article	IF	CITATIONS
37	Water soluble multi-walled carbon nanotubes prepared via nitroxide-mediated radical polymerization. Journal of Materials Chemistry, 2006, 16, 4619.	6.7	48
38	Voltammetric Determination of Lâ€Dopa Using a Carbon Nanotubesâ€Nafion Modified Glassy Carbon Electrode. Analytical Letters, 2006, 39, 2569-2579.	1.0	12
39	Carbon Nanotube Production and Applications: Basis of Nanotechnology. , 2006, , 219-245.		0
40	Multiwalled Carbon Nanotubes for Liquid-Phase Oxidation. Functionalization, Characterization, and Catalytic Activity. Industrial & amp; Engineering Chemistry Research, 2006, 45, 2206-2212.	1.8	173
41	Describing Binary Mixture Diffusion in Carbon Nanotubes with the Maxwellâ^'Stefan Equations. An Investigation Using Molecular Dynamics Simulations. Industrial & Engineering Chemistry Research, 2006, 45, 2084-2093.	1.8	67
42	A comparison of different methods of Young's modulus determination for single-wall carbon nanotubes (SWCNT) using molecular dynamics (MD) simulations. Computational Materials Science, 2006, 38, 271-281.	1.4	84
43	Functionalized carbon nanotubes as emerging nanovectors for the delivery of therapeutics. Biochimica Et Biophysica Acta - Biomembranes, 2006, 1758, 404-412.	1.4	477
44	Brief Review: Basic Properties and Applications of Carbon Nanotubes. Microscopy Today, 2006, 14, 22-29.	0.2	1
45	Surface modification of multiwalled carbon nanotubes via nitroxide-mediated radical polymerization. Journal of Polymer Science Part A, 2006, 44, 4656-4667.	2.5	90
46	Deformation mechanisms for carbon and boron nitride nanotubes. Inorganic Materials, 2006, 42, 1336-1341.	0.2	11
47	Poly(imide siloxane) and carbon nanotube mixed matrix membranes for gas separation. Desalination, 2006, 192, 330-339.	4.0	304
48	Mechanical properties of single-walled carbon nanotubes based on higher order Cauchy–Born rule. International Journal of Solids and Structures, 2006, 43, 1276-1290.	1.3	131
49	The effect of processing conditions on carbon nanostructures formed on an iron-based catalyst. Carbon, 2006, 44, 2273-2280.	5.4	43
50	Highly insulating silicone composites with a high carbon nanotube content. Carbon, 2006, 44, 3373-3375.	5.4	27
51	Preconcentration and determination of nicosulfuron, thifensulfuron-methyl and metsulfuron-methyl in water samples using carbon nanotubes packed cartridge in combination with high performance liquid chromatography. Analytica Chimica Acta, 2006, 559, 200-206.	2.6	122
52	Optical properties and photonic devices of doped carbon nanotubes. Analytica Chimica Acta, 2006, 568, 161-170.	2.6	41
53	Nanowire growth on Si wafers by oxygen implantation and annealing. Applied Surface Science, 2006, 252, 5572-5574.	3.1	22
54	Using multi-walled carbon nanotubes as solid phase extraction adsorbents to determine dichlorodiphenyltrichloroethane and its metabolites at trace level in water samples by high performance liquid chromatography with UV detection. Journal of Chromatography A, 2006, 1125,	1.8	160

#	Article	IF	CITATIONS
55	Large-scale aligned carbon nanotubes films. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 33, 235-239.	1.3	10
56	Aspects of tube and pipe manufacturing processes: Meter to nanometer diameter. Journal of Materials Processing Technology, 2006, 179, 5-10.	3.1	55
57	Micromechanical analysis of the effective elastic properties of carbon nanotube reinforced composites. Mechanics of Materials, 2006, 38, 884-907.	1.7	425
58	Influence of activated polymer on the etching rate of silicon in CF4+H2 plasma. Vacuum, 2006, 81, 230-233.	1.6	3
59	Carbon nanostructures based on IR-pyrolyzed polyacrylonitrile. Polymer Science - Series A, 2006, 48, 633-637.	0.4	44
60	chapter 5 Synthesis, Properties and Biomedical Applications of Magnetic Nanoparticles. Handbook of Magnetic Materials, 2006, 16, 403-482.	0.6	67
61	Quantum-chemical modeling of the atomic and electronic structure of thin diamond-like nanocrystallites. Theoretical and Experimental Chemistry, 2006, 42, 207-210.	0.2	0
62	Comparison of the Enrichment Efficiency of Multiwalled Carbon Nanotubes, C18 Silica, and Activated Carbon as the Adsorbents for the Solid Phase Extraction of Atrazine and Simazine in Water Samples. Mikrochimica Acta, 2006, 152, 215-224.	2.5	52
63	Adsorption on the carbon nanotubes. Frontiers of Physics in China, 2006, 1, 317-322.	1.0	9
64	The World of Carbon Nanotubes: An Overview of CVD Growth Methodologies. Chemical Vapor Deposition, 2006, 12, 315-325.	1.4	105
65	High-Strength Mats from Electrospun Poly(p-Phenylene Biphenyltetracarboximide) Nanofibers. Advanced Materials, 2006, 18, 668-671.	11.1	152
66	Transmission electron microscope imaging of single-walled carbon nanotube interactions and mechanics on nitride grids. Nanotechnology, 2006, 17, 4706-4712.	1.3	8
67	Effect of rapid thermal annealing (RTA) on thermal properties of carbon nanofibre (CNF) arrays. Journal Physics D: Applied Physics, 2006, 39, 4878-4885.	1.3	14
68	Microstructure and thermal characteristic of Si-coated multi-walled carbon nanotubes. Nanotechnology, 2006, 17, 3817-3821.	1.3	31
69	SPIN IN CARBON NANOTUBE-BASED OSCILLATORS. International Journal of Nanoscience, 2006, 05, 47-55.	0.4	7
70	Equal Channel Angular Pressing of Carbon Nanotube Reinforced Metal Matrix Nanocomposites. Key Engineering Materials, 2006, 326-328, 325-328.	0.4	16
71	Dispersion of Carbon Nanotubes in Polycarbonate and Its Effect on the Composite Properties. Materials Science Forum, 2006, 514-516, 1125-1130.	0.3	8
72	Metallic Carbon Nanotube Interconnects, Part I: a Fluid Model and a 3D Integral Formulation. , 2006, ,		8

#	Article	IF	CITATIONS
73	THE EFFECT OF SINGLE WALL CARBON NANOTUBES ON THE DIPOLE ORIENTATION AND PIEZOELECTRIC PROPERTIES OF POLYMERIC NANOCOMPOSITES. Nano, 2006, 01, 77-85.	0.5	13
74	A density functional study of nitrogen adsorption in single-wall carbon nanotubes. Nanotechnology, 2007, 18, 095707.	1.3	10
75	Field emission from metal-coated nanocrystalline graphitic films. Journal of Vacuum Science & Technology B, 2007, 25, 536.	1.3	2
76	Studies of nanotube-based resonant oscillators through multiscale modeling and simulation. Physical Review B, 2007, 75, .	1.1	11
77	van der Waals–London dispersion interactions for optically anisotropic cylinders: Metallic and semiconducting single-wall carbon nanotubes. Physical Review B, 2007, 76, .	1.1	59
78	Calculating van der Waals-London dispersion spectra and Hamaker coefficients of carbon nanotubes in water from ab initio optical properties. Journal of Applied Physics, 2007, 101, 054303.	1.1	39
79	Carbon Nanotube Based Memory Development and Testing. , 2007, , .		12
80	Wave propagation in single- and double-walled carbon nanotubes filled with fluids. Journal of Applied Physics, 2007, 101, 034319.	1.1	66
82	Investigating the Influence of Oxygen/Carbon Ratio on Fabrication of Composite Carbon Nanotubes by Self-Assembly Surface Treatment. Solid State Phenomena, 2007, 121-123, 407-412.	0.3	0
83	A Flow Sensor for Liquids Based on Single-Walled Carbon Nanotube Thin Films. Solid State Phenomena, 2007, 121-123, 75-79.	0.3	2
84	Carbon Nanotube Reinforced Metal Matrix Nanocomposites via Equal Channel Angular Pressing. Materials Science Forum, 2007, 534-536, 245-248.	0.3	8
85	Molecular Dynamics Simulation for Compressive Mechanics Properties of SWCNT with Random Distributed Vacancies. Solid State Phenomena, 2007, 121-123, 1161-1164.	0.3	0
86	Multi-Scale Modelling Scheme for Carbon Nanotube Reinforced Metal Matrix Composites. Key Engineering Materials, 2007, 345-346, 1261-1264.	0.4	4
87	Fabrication CNTs/SiO2 Laminated Structure from Aqueous Tape Casting. Key Engineering Materials, 2007, 351, 227-232.	0.4	0
89	Comparison of Multiwalled Carbon Nanotubes and a Conventional Absorbent on the Enrichment of Sulfonylurea Herbicides in Water Samples. Analytical Sciences, 2007, 23, 189-192.	0.8	52
90	A Simple Route to Coat Multiwalled Carbon Nanotubes with Silica. Chemistry Letters, 2007, 36, 1098-1099.	0.7	16
91	Reinforcement of Polyamide 6 with Nanoparticles. Macromolecular Symposia, 2007, 258, 119-128.	0.4	19
92	Toxicity Studies of Carbon Nanotubes. Advances in Experimental Medicine and Biology, 2007, 620, 181-204.	0.8	137

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93	Functionalization of carbon nanotubes by atomic nitrogen formed in a microwave plasma Ar + N2and subsequent poly(ε-caprolactone) grafting. Journal of Materials Chemistry, 2007, 17, 157-159.	6.7	79
94	Nanobiotechnology: An Engineer's Foray into Biology. Advances in Computers, 2007, 71, 39-102.	1.2	1
95	Application of multi-walled carbon nanotubes as substrate for the on-line preconcentration, speciation and determination of vanadium by ETAAS. Journal of Analytical Atomic Spectrometry, 2007, 22, 1290.	1.6	57
96	Orientated assembly of single-walled carbon nanotubes and applications. Journal of Materials Chemistry, 2007, 17, 3863.	6.7	68
97	Vertically aligned carbon nanotubes synthesized by the thermal pyrolysis with an ultrasonic evaporator. Diamond and Related Materials, 2007, 16, 600-608.	1.8	18
98	Important parameters for the catalytic nanoparticles formation towards the growth of carbon nanotube aligned arrays. Diamond and Related Materials, 2007, 16, 1082-1086.	1.8	14
99	The effect of growth temperature and iron precursor on the synthesis of high purity carbon nanotubes. Diamond and Related Materials, 2007, 16, 542-549.	1.8	20
100	A Review of Carbon Nanotube Synthesis via Fluidized-Bed Chemical Vapor Deposition. Industrial & Engineering Chemistry Research, 2007, 46, 997-1012.	1.8	271
101	Mechanical Properties and Flameâ€Retardant Behavior of Ethylene Vinyl Acetate/Highâ€Density Polyethylene Coated Carbon Nanotube Nanocomposites. Advanced Functional Materials, 2007, 17, 2787-2791.	7.8	98
102	High Performance Fibres from â€`Dog Bone' Carbon Nanotubes. Advanced Materials, 2007, 19, 3721-3726.	11.1	226
103	How Carbon Nanotube Crushing can Improve Flame Retardant Behaviour in Polymer Nanocomposites?. Macromolecular Rapid Communications, 2007, 28, 260-264.	2.0	107
104	Creep Resistant Polymer Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. Macromolecular Rapid Communications, 2007, 28, 955-961.	2.0	100
105	Thermal oxidative cutting of multi-walled carbon nanotubes. Carbon, 2007, 45, 2341-2350.	5.4	78
106	A local field emission study of partially aligned carbon-nanotubes by atomic force microscope probe. Carbon, 2007, 45, 2957-2971.	5.4	88
107	The parameter space for the direct spinning of fibres and films of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 40-43.	1.3	42
108	Consolidation of 1vol.% carbon nanotube reinforced metal matrix nanocomposites via equal channel angular pressing. Journal of Materials Processing Technology, 2007, 187-188, 318-320.	3.1	71
109	Sensors for organic vapor detection based on composites of carbon nonotubes functionalized with polymers. Sensors and Actuators B: Chemical, 2007, 124, 360-367.	4.0	61
110	Atomic structure, electronic properties, and thermal stability of diamond-like nanowires and nanotubes. Inorganic Materials, 2007, 43, 349-357.	0.2	18

#	Article	IF	CITATIONS
111	Towards cost-efficient EMI shielding materials using carbon nanostructure-based nanocomposites. Nanotechnology, 2007, 18, 345701.	1.3	156
112	Nylon 610/functionalized multiwalled carbon nanotubes composites by in situ interfacial polymerization. Materials Letters, 2007, 61, 2251-2254.	1.3	32
113	Meshless method for nonlinear heat conduction analysis of nano-composites. Heat and Mass Transfer, 2007, 43, 1097-1106.	1.2	9
114	Facile fabrication and optical properties of novel Pb(OH)Cl nanotubes. Journal of Nanoparticle Research, 2007, 9, 283-287.	0.8	9
115	Trace analysis of triasulfuron and bensulfuron-methyl in water samples using a carbon nanotubes packed cartridge in combination with high-performance liquid chromatography. Mikrochimica Acta, 2007, 157, 93-98.	2.5	30
116	Thermal Analysis of CNT-Based Nano-Composites by Element Free Galerkin Method. Computational Mechanics, 2007, 39, 719-728.	2.2	22
117	Multiscale modeling and simulation of nanotube-based torsional oscillators. Nanoscale Research Letters, 2007, 2, 54-59.	3.1	8
118	Effect of interface on the thermal conductivity of carbon nanotube composites. International Journal of Thermal Sciences, 2007, 46, 842-847.	2.6	76
119	Carbon nanotubes – Production and industrial applications. Materials & Design, 2007, 28, 1477-1489.	5.1	441
120	Electron microscopy characterization of nanostructured carbon obtained from chlorination of metallocenes and metal carbides. Micron, 2007, 38, 335-345.	1.1	11
121	Production of aluminum-matrix carbon nanotube composite using high pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 490, 300-304.	2.6	164
122	Simulation of structural, elastic, and electronic properties of new cubic crystals of carbon and BN nanotubes. Journal of Structural Chemistry, 2008, 49, 994-1000.	0.3	1
123	Disordered multiwalled carbon nanotube mat for light spot position detecting. Applied Physics A: Materials Science and Processing, 2008, 91, 229-233.	1.1	11
124	Direct spinning of carbon nanotube fibres from liquid feedstock. International Journal of Material Forming, 2008, 1, 59-62.	0.9	40
125	Design and Analysis of Nanotube-Based Memory Cells. Nanoscale Research Letters, 2008, 3, .	3.1	17
126	Antistatic Epoxy Coatings With Carbon Nanotubes Obtained by Cationic Photopolymerization. Macromolecular Rapid Communications, 2008, 29, 396-400.	2.0	77
127	Functionalizedâ€multiwalled carbon nanotubes as a preconcentrating probe for rapid monitoring of cationic dyestuffs in environmental water using APâ€MALDI/MS. Journal of Separation Science, 2008, 31, 3603-3611.	1.3	10
128	A transmission line model for metallic carbon nanotube interconnects. International Journal of Circuit Theory and Applications, 2008, 36, 31-51.	1.3	65

#	Article	IF	CITATIONS
129	Turning PMMA Nanofibers into Graphene Nanoribbons by In Situ Electron Beam Irradiation. Advanced Materials, 2008, 20, 3284-3288.	11.1	77
130	Effect of electrically inert particulate filler on electrical resistivity of polymer/multi-walled carbon nanotube composites. Polymer, 2008, 49, 3826-3831.	1.8	135
131	Fabrication process of carbon nanotube/light metal matrix composites by squeeze casting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 495, 282-287.	2.6	124
132	Mechanical calibration of MEMS springs with sub-micro-Newton force resolution. Sensors and Actuators A: Physical, 2008, 143, 136-142.	2.0	15
133	Co-production of hydrogen and multi-wall carbon nanotubes from ethanol decomposition over Fe/Al2O3 catalysts. Applied Catalysis B: Environmental, 2008, 84, 433-439.	10.8	61
134	Oxidized multiwalled carbon nanotubes for quantitative determination of cationic surfactants in water samples using atmospheric pressure matrix-assisted laser desorption/ionization mass spectrometry. Analytica Chimica Acta, 2008, 628, 198-203.	2.6	32
135	An investigation of carbon nanotube jet grinding. Chemical Engineering and Processing: Process Intensification, 2008, 47, 2195-2202.	1.8	7
136	Carbon nanotube mediated microscale membrane extraction. Journal of Chromatography A, 2008, 1211, 43-48.	1.8	38
137	Large-scale synthesis of carbon nanofibers on Ni–Fe–Al hydrotalcite derived catalysts. Applied Catalysis A: General, 2008, 338, 136-146.	2.2	51
138	Formation of carbon nanotubes on iron/cobalt oxides supported on zeolite-Y: Effect of zeolite textural properties and particle morphology. Microporous and Mesoporous Materials, 2008, 110, 128-140.	2.2	45
139	Synthesis of carbon nanostructured materials using LPG. Microporous and Mesoporous Materials, 2008, 116, 593-600.	2.2	21
140	Electrospun nanofiber belts made from high performance copolyimide. Nanotechnology, 2008, 19, 015604.	1.3	50
141	Nanotechnology and Water Treatment: Applications and Emerging Opportunities. Critical Reviews in Microbiology, 2008, 34, 43-69.	2.7	579
142	Environmental Applications of Carbon-Based Nanomaterials. Environmental Science & Technology, 2008, 42, 5843-5859.	4.6	1,337
143	IR study on surface chemical properties of catalytic grown carbon nanotubes and nanofibers. Journal of Zhejiang University: Science A, 2008, 9, 720-726.	1.3	44
144	Assemblies of carbon and boron-nitrogen nanotubes and fullerenes: Structure and properties. Russian Journal of Inorganic Chemistry, 2008, 53, 2083-2102.	0.3	8
145	A REVIEW OF PURIFICATION TECHNIQUES FOR CARBON NANOTUBES. Nano, 2008, 03, 127-143.	0.5	77
146	Spectral mixing formulations for van der Waals–London dispersion interactions between multicomponent carbon nanotubes. Journal of Applied Physics, 2008, 104, 53513.	1.1	12

#	Article	IF	CITATIONS
147	Direct Measurement of the Wetting Behavior of Individual Carbon Nanotubes by Polymer Melts: The Key to Carbon Nanotubeâ^'Polymer Composites. Nano Letters, 2008, 8, 2744-2750.	4.5	64
148	Modeling of the carbon nanotube chemical vapor deposition process using methane and acetylene precursor gases. Nanotechnology, 2008, 19, 165607.	1.3	18
149	First-principles studies of diamond polytypes. Diamond and Related Materials, 2008, 17, 356-364.	1.8	61
150	Synthesis and Characterization of Coreâ^'Shell Structural MWNTâ^'Zirconia Nanocomposites. Nano Letters, 2008, 8, 4070-4074.	4.5	69
151	Electric field induced reversible tuning of resistance of thin gold films. Journal of Applied Physics, 2008, 104, 103707.	1.1	11
152	Synthesis of multiwall carbon nanotubes by using mesoporous aluminosilicates. Studies in Surface Science and Catalysis, 2008, , 961-964.	1.5	1
153	Aggregation Kinetics of Multiwalled Carbon Nanotubes in Aquatic Systems: Measurements and Environmental Implications. Environmental Science & Technology, 2008, 42, 7963-7969.	4.6	401
154	Friction and sliding wear of "nanomodified―rubbers and their coatings: Some new developments. Tribology and Interface Engineering Series, 2008, 55, 304-324.	0.0	3
155	Molecular dynamics (MD) simulations of the dependence of C–C bond lengths and bond angles on the tensile strain in single-wall carbon nanotubes (SWCNT). Computational Materials Science, 2008, 41, 450-456.	1.4	32
156	Electronic properties of nano-graphene sheets calculated using quantum chemical DFT. Computational Materials Science, 2008, 44, 41-45.	1.4	62
157	Overview of Carbon Nanotubes as off-chip interconnects. , 2008, , .		2
158	Nano-thermal interface material with CNT nano-particles for heat dissipation application. , 2008, , .		1
159	Highly resilient field emission from aligned single-walled carbon nanotube arrays chemically attached to n-type silicon. Journal of Materials Chemistry, 2008, 18, 5753.	6.7	19
160	A Nanogripper Employing Aligned Multiwall Carbon Nanotubes. IEEE Nanotechnology Magazine, 2008, 7, 389-393.	1.1	16
161	Growth Mechanism of Synthetic Imogolite Nanotubes. Chemistry of Materials, 2008, 20, 4484-4488.	3.2	53
162	On-chip deposition of carbon nanotubes using CMOS microhotplates. Nanotechnology, 2008, 19, 025607.	1.3	47
163	Skin-Core Micro-Structure and Surface Orientation of Carbon Nanotube Composites by Injection Molding Process. Solid State Phenomena, 2008, 136, 51-56.	0.3	7
164	A composite of polyelectrolyte-grafted multi-walled carbon nanotubes and <i>in situ</i> polymerized polyaniline for the detection of low concentration triethylamine vapor. Nanotechnology, 2008, 19, 015503.	1.3	46

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165	Turning electrospun poly(methyl methacrylate) nanofibers into graphitic nanostructures by in situ electron beam irradiation. Journal of Applied Physics, 2008, 103, 046105.	1.1	9
166	Thermoelectric power in carbon nanotubes and quantum wires of nonlinear optical, optoelectronic, and related materials under strong magnetic field: Simplified theory and relative comparison. Journal of Applied Physics, 2008, 103, .	1.1	18
167	Potential of Modified Multiwalled Carbon Nanotubes with 1-(2-Pyridylazo)-2-naphtol as a New Solid Sorbent for the Preconcentration of Trace Amounts of Cobalt(II) Ion. Analytical Sciences, 2008, 24, 1135-1139.	0.8	43
168	Oxygen/Carbon Ratio Effects on Surface-Modified Carbon Nanotubes. Journal of Nano Research, 0, 2, 77-84.	0.8	6
169	Polycarbonate-Carbon Nanofibers Composites: An Electron Spin Resonance Study. Polymers and Polymer Composites, 2008, 16, 519-526.	1.0	0
170	Electron mobility variations in surface-charged indium tin oxide thin films. Physical Review B, 2009, 80, .	1.1	24
171	Enhanced field emission of vertically aligned core-shelled carbon nanotubes with molybdenum oxide encapsulation. Journal of Applied Physics, 2009, 105, .	1.1	10
172	The role of surface species in chemical vapor deposited carbon nanotubes. Nanotechnology, 2009, 20, 115605.	1.3	10
173	SYNTHESIS AND CHARACTERIZATION OF CARBON NANOTUBES REINFORCED POLYMER NANOCOMPOSITES. International Journal of Nanoscience, 2009, 08, 237-242.	0.4	2
174	NOVEL STRUCTURES FOR CARBON NANOTUBE FIELD EFFECT TRANSISTORS. International Journal of Modern Physics B, 2009, 23, 3871-3880.	1.0	3
175	Damage Monitoring of Carbon Fiber Reinforced Laminates Using Resistance Measurements. Improving Sensitivity Using Carbon Nanotube Doped Epoxy Matrix System. Journal of Intelligent Material Systems and Structures, 2009, 20, 1025-1034.	1.4	77
176	Imaging carbon nanoparticles and related cytotoxicity. Journal of Physics: Conference Series, 2009, 151, 012030.	0.3	18
177	Electrical transport measurements of the side-contacts and embedded-end-contacts of platinum leads on the same single-walled carbon nanotube. Nanotechnology, 2009, 20, 195202.	1.3	12
178	TPPS[sub 4] Nanotubes Architecture for Nanorobots with Application in Cerebral Aneurysm. , 2009, , .		2
179	Carbon Nanotubes—Synthesis and Application. Transactions of the Indian Ceramic Society, 2009, 68, 163-172.	0.4	10
180	Non-destructive testing of a carbon-nanotube-reinforced composite using HTS-SQUID and electromagnetic techniques. Superconductor Science and Technology, 2009, 22, 095001.	1.8	7
181	Dynamic Mechanical Analysis of Bulk Carbon Nanotube Materials. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	0
182	Preparation and Thermal Properties of Phosphorus-Containing Copolyester Nanocomposites with Carbon Nanotube. Advanced Materials Research, 2009, 87-88, 282-287.	0.3	0

#	Article	IF	CITATIONS
183	Ultrathin Films of Singleâ€Walled Carbon Nanotubes for Electronics and Sensors: A Review of Fundamental and Applied Aspects. Advanced Materials, 2009, 21, 29-53.	11.1	994
184	Toxicity and imaging of multi-walled carbon nanotubes in human macrophage cells. Biomaterials, 2009, 30, 4152-4160.	5.7	189
185	Influence of carbon nanotubes structure on the mechanical behavior of cement composites. Composites Science and Technology, 2009, 69, 1985-1990.	3.8	380
186	Synthesis of carbon nanotubes on diamond-like carbon by the hot filament plasma-enhanced chemical vapor deposition method. Micron, 2009, 40, 612-616.	1.1	5
187	Carbon nanotube in different shapes. Materials Today, 2009, 12, 12-18.	8.3	224
188	Electrically conductive thermoplastic/metal hybrid materials for direct manufacturing of electronic components. Polymer Engineering and Science, 2009, 49, 1511-1524.	1.5	15
189	Effect of the type of carbon nanotubes on tribological properties of polyamide 6. Polymer Engineering and Science, 2009, 49, 896-902.	1.5	52
190	Potential applicability of CNT and CNT/composites to implement ASEC concept: A review article. Solar Energy, 2009, 83, 1379-1389.	2.9	42
191	Structural, cohesive and electronic properties of Ti5Si3 nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1217-1221.	1.3	4
192	Photo-oxidation behaviour of polyethylene/multi-wall carbon nanotube composite films. Polymer Degradation and Stability, 2009, 94, 162-170.	2.7	51
193	The fluidized bed jet grinding of carbon nanotubes with a nozzle/target configuration. Powder Technology, 2009, 190, 372-384.	2.1	7
194	The effect of arylferrocene ring substituents on the synthesis of multi-walled carbon nanotubes. Journal of Organometallic Chemistry, 2009, 694, 2222-2227.	0.8	10
195	Analysis of the structure and chemical properties of some commercial carbon nanostructures. Carbon, 2009, 47, 1779-1798.	5.4	311
196	Optimizing catalyst nanoparticle distribution to produce densely-packed carbon nanotube growth. Carbon, 2009, 47, 1989-2001.	5.4	27
197	Evaluation of mild acid oxidation treatments for MWCNT functionalization. Carbon, 2009, 47, 2970-2975.	5.4	531
198	Image contrast enhancement in field-emission scanning electron microscopy of single-walled carbon nanotubes. Applied Surface Science, 2009, 255, 4341-4346.	3.1	7
199	Synthesis and Catalytic Performance of Pd Nanoparticle/Functionalized CNF Composites by a Two-Step Chemical Vapor Deposition of Pd(allyl)(Cp) Precursor. Chemistry of Materials, 2009, 21, 2360-2366.	3.2	40
200	Cure Rate and Mechanical Properties of a DGEBF Epoxy Resin Modified with Carbon Nanotubes. Journal of Reinforced Plastics and Composites, 2009, 28, 937-949.	1.6	29

ARTICLE IF CITATIONS # Structural characterization of a mechanically milled carbon nanotube/aluminum mixture. Composites 201 3.8 156 Part A: Applied Science and Manufacturing, 2009, 40, 1482-1489. Magnetite nanoparticles by organic-phase synthetic route for carbon nanotube growth. Synthetic 2.1 Metals, 2009, 159, 343-346. Fabrication and characterization of carbon nanotubes immobilized in porous polymeric membranes. 203 6.7 21 Journal of Materials Chemistry, 2009, 19, 3713. Cleaning and Functionalization of Polymer Surfaces and Nanoscale Carbon Fillers by UV/Ozone 1.2 Treatment: A Review. Journal of Composite Materials, 2009, 43, 1537-1564. Molecular Momentum Transport at Fluid-Solid Interfaces in MEMS/NEMS: A Review. International 206 1.8 261 Journal of Molecular Sciences, 2009, 10, 4638-4706. Water-dispersible "carbon nanopods―with controllable graphene layer orientation. Chemical 2.2 Communications, 2009, , 4554. Superhydrophobic carbon nanotube/amorphous carbon nanosphere hybrid film. Diamond and Related 208 1.8 21 Materials, 2009, 18, 1235-1238. Synthesis and Characterization of a Composite Based on Carbon Nanotubes and Selenium. International Journal of Green Nanotechnology: Materials Science and Engineering, 2009, 1, M34-M42. Van der Waals-London dispersion interaction framework for experimentally realistic carbon 211 0.1 10 nanotube systems. International Journal of Materials Research, 2010, 101, 27-42. Simulation of novel superhard carbon materials based on fullerenes and nanotubes. Journal of Superhard Materials, 2010, 32, 67-87. Influence of a Fe/activated carbon catalyst and reaction parameters on methane decomposition during 213 1.0 5 the synthesis of carbon nanotubes. Chemical Papers, 2010, 64, . Synthesis of Carbon Nanostructures by CVD Method. Advanced Structured Materials, 2010, , 23-49. 0.3 Density functional theory calculations and molecular dynamics simulations of the adsorption of 215 5.7 152 biomolecules on graphene surfaces. Biomaterials, 2010, 31, 1007-1016. Raman and FT-IR studies on dye-assisted dispersion and flocculation of single walled carbon nanotubes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 175-178. Preparation and characterization of PC/SBR heterogeneous cation exchange membrane filled with 217 102 4.1 carbon nano-tubes. Journal of Membrane Science, 2010, 362, 550-559. Microstructure and tensile behavior of Al and Al-matrix carbon nanotube composites processed by 44 high pressure torsion of the powders. Journal of Materials Science, 2010, 45, 4652-4658. Synthesis, characteristic, and flammability of modified carbon nanotube/poly(ethylene-co-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 10 219 1.7 13 6668-6676. The production of carbon nanotubes from carbon dioxide: challenges and opportunities. Journal of 1.8 Natural Gas Chemistry, 2010, 19, 453-460.

#	Article	IF	CITATIONS
221	Activated carbon catalyzing the formation of carbon nanotubes. Materials Research Bulletin, 2010, 45, 1234-1239.	2.7	6
222	A crossâ€linking model for estimating Young's modulus of artificial bone tissue grown on carbon nanotube scaffold. Journal of Biomedical Materials Research - Part A, 2010, 94A, 594-602.	2.1	12
223	Bulk Nanostructured Materials: Nonâ€Mechanical Synthesis. Advanced Engineering Materials, 2010, 12, 666-676.	1.6	6
225	Comparison of C ₁₈ silica and multiâ€walled carbon nanotubes as the adsorbents for the solidâ€phase extraction of Chlorpyrifos and Phosalone in water samples using HPLC. Journal of Separation Science, 2010, 33, 1044-1051.	1.3	35
226	Quantitative study of catalytic activity and catalytic deactivation of Fe–Co/Al2O3 catalysts for multi-walled carbon nanotube synthesis by the CCVD process. Applied Catalysis A: General, 2010, 382, 1-9.	2.2	17
227	Polymer nanocomposites based on functionalized carbon nanotubes. Progress in Polymer Science, 2010, 35, 837-867.	11.8	1,482
228	A novel purification method of carbon nanotubes by high-temperature treatment with tetrachloromethane. Separation and Purification Technology, 2010, 71, 331-336.	3.9	22
229	Spark plasma sintering: A powerful tool to develop new silicon nitride-based materials. Journal of the European Ceramic Society, 2010, 30, 2937-2946.	2.8	115
230	Effect of chitosan as a functionalization agent on the performance and separation properties of polyimide/multi-walled carbon nanotubes mixed matrix flat sheet membranes. Journal of Membrane Science, 2010, 364, 309-317.	4.1	124
231	Pulsed laser deposition of carbon nanotube and polystyrene–carbon nanotube composite thin films. Optics and Lasers in Engineering, 2010, 48, 1291-1295.	2.0	21
232	Molecular dynamics simulation study of neon adsorption on single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 261-265.	1.3	10
233	Solvothermal one-step synthesis of MWCNTs/Ni0.5Zn0.5Fe2O4 magnetic composites. Journal of Magnetism and Magnetic Materials, 2010, 322, 2006-2009.	1.0	21
234	Thermoelectric power in ultrathin films, quantum wires and carbon nanotubes under classically large magnetic field: Simplified theory and relative comparison. Physica B: Condensed Matter, 2010, 405, 472-498.	1.3	6
235	Multi wall carbon nanotubes induce oxidative stress and cytotoxicity in human embryonic kidney (HEK293) cells. Toxicology, 2010, 272, 11-16.	2.0	139
236	Optical properties of single-wall carbon nanotube films deposited on Si/SiO2 wafers. Thin Solid Films, 2010, 518, 3954-3959.	0.8	32
237	Gas sensors based on multiwall carbon nanotubes decorated with tin oxide nanoclusters. Sensors and Actuators B: Chemical, 2010, 145, 411-416.	4.0	81
238	Synthesis, characterization and electrochemical impedance spectroscopy of VOx-NTs/PPy composites. Solid State Communications, 2010, 150, 1807-1811.	0.9	14
239	Wear characteristic of aluminum-based composites containing multi-walled carbon nanotubes. Wear, 2010, 270, 12-18.	1.5	157

#	Article	IF	CITATIONS
240	Light radiation through a transparent cathode plate with single-walled carbon nanotube field emitters. Applied Surface Science, 2010, 256, 6838-6842.	3.1	4
241	Synthesis and characterisation of carbon nanotubes grown on silica fibres by injection CVD. Carbon, 2010, 48, 277-286.	5.4	61
242	Diameter- and length-dependent self-organizations of multi-walled carbon nanotubes on spherical alumina microparticles. Carbon, 2010, 48, 1159-1170.	5.4	63
243	Dynamics of catalyst particle formation and multi-walled carbon nanotube growth in aerosol-assisted catalytic chemical vapor deposition. Carbon, 2010, 48, 3807-3816.	5.4	57
244	Adsorption behavior of ternary mixtures of noble gases inside single-walled carbon nanotube bundles. Chemical Physics Letters, 2010, 497, 213-217.	1.2	22
245	Dissolution of MWCNTs by using polyoxadiazoles, and highly effective reinforcement of their composite films. Journal of Polymer Science Part A, 2010, 48, 5172-5179.	2.5	23
246	Techno-economics of carbon nanotubes produced by open air arc discharge method. International Journal of Engineering, Science and Technology, 2010, 2, .	0.3	20
247	Hydrogen Storage Using Carbon Nanotubes. , 0, , .		3
248	Advances in nanoparticle reinforcement in structural adhesives. , 2010, , 151-182.		11
249	Study on Mechanical Properties and Physical Properties of Copper Based Electrical Contact Materials Reinforced by CNT. Advanced Materials Research, 2010, 139-141, 67-71.	0.3	0
250	A Note on Reinforcement of Polymer Matrix Composites Using Carbon Residues Derived From Woody Biomass. Journal of Composite Materials, 2010, 44, 1883-1892.	1.2	2
251	A method to obtain a Ragone plot for evaluation of carbon nanotube supercapacitor electrodes. Journal of Materials Research, 2010, 25, 1500-1506.	1.2	35
252	Effect of Raw Multi-Wall Carbon Nanotubes on Morphology and Separation Properties of Polyimide Membranes. Separation Science and Technology, 2010, 45, 2287-2297.	1.3	36
253	Vertical Aligned CNT Growth on Metals for Direct Use With Electrical Conductance. Materials Research Society Symposia Proceedings, 2010, 1258, 1.	0.1	0
254	Water-Dispersible Multi-Walled Carbon Nanotubes and Novel Hybrid Nanostructures. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2010, 40, 216-224.	0.6	9
255	CORE-TUBE MORPHOLOGY OF MULTIWALL CARBON NANOTUBES. International Journal of Modern Physics B, 2010, 24, 288-294.	1.0	4
256	DIRECT GROWTH OF VERTICALLY ALIGNED CARBON NANOTUBES ON CU FOILS FOR APPLICATIONS IN LITHIUM ION BATTERIES. Surface Review and Letters, 2010, 17, 87-91.	0.5	5
957	Large-Scale Synthesis of Carbon Nanomaterials by Catalytic Chemical Vapor Deposition: A Review of	1.3	47

#	Article	IF	CITATIONS
258	Role of Metal–Semiconductor Contact in Nanowire Field-Effect Transistors. IEEE Nanotechnology Magazine, 2010, 9, 237-242.	1.1	12
259	Carbon Nanotubes: The Minuscule Wizards. Advanced Structured Materials, 2010, , 1-22.	0.3	2
260	Thermally Conductive Nanocomposites. , 2010, , 277-314.		11
261	Towards free-standing graphene/carbon nanotube composite films via acetylene-assisted thermolysis of organocobalt functionalized graphene sheets. Chemical Communications, 2010, 46, 8279.	2.2	85
262	Single-Conductor Transmission-Line Model of Multiwall Carbon Nanotubes. IEEE Nanotechnology Magazine, 2010, 9, 82-92.	1.1	164
263	Diameter modulation by fast temperature control in laser-assisted chemical vapor deposition of single-walled carbon nanotubes. Nanotechnology, 2010, 21, 395601.	1.3	17
264	Electrical and thermomechanical properties of segregated nanocomposites based on PVC and multiwalled carbon nanotubes. Journal of Non-Crystalline Solids, 2010, 356, 635-641.	1.5	51
265	Chitosan/MWCNT composites prepared by thermal induced phase separation. Journal of Alloys and Compounds, 2010, 495, 592-595.	2.8	40
266	Totally symmetric vibrations of armchair carbon nanotubes. Computational Materials Science, 2010, 49, S231-S234.	1.4	4
267	Conductive bio-Polymer nano-Composites (CPC): Chitosan-carbon nanotube transducers assembled via spray layer-by-layer for volatile organic compound sensing. Talanta, 2010, 81, 908-915.	2.9	101
268	Synthesis Methods of Carbon Nanotubes and Related Materials. Materials, 2010, 3, 3092-3140.	1.3	215
269	Fullerene-multiwalled carbon nanotube complexes for bulk heterojunction photovoltaic cells. Applied Physics Letters, 2010, 96, 143303.	1.5	30
270	Electrochemical Tailoring of Catalyst Nanoparticles for CNT Spatial-Dimension Control. Journal of the Electrochemical Society, 2010, 157, K47.	1.3	9
271	Crosstalk analysis in Carbon Nanotube interconnects and its impact on gate oxide reliability. , 2010, , .		13
272	Thermally conductive adhesives in electronics. , 2011, , 15-52.		7
273	Research on transport property of carbon nanotube based device. , 2011, , .		0
274	Carbon nanotubes functionalization process for developing ceramic matrix nanocomposites. Journal of Materials Chemistry, 2011, 21, 6063.	6.7	13
275	Electrical resistance response evaluation of semiconducting single-walled carbon nanotube film for X-ray sensing. , 2011, , .		1

#	Article	IF	CITATIONS
276	Functionalization of carbon nanotubes for polymer nanocomposites. , 2011, , 55-91.		3
277	Impact of parameters variability on the electrical performance of carbon nanotube interconnects. , 2011, , .		1
278	Preparation and Characterization of CdSe-Decorated Multiwalled Carbon Nanotube Composites. Japanese Journal of Applied Physics, 2011, 50, 01BJ12.	0.8	0
279	Single-Walled Aluminosilicate Nanotubes with Organic-Modified Interiors. Journal of Physical Chemistry C, 2011, 115, 7676-7685.	1.5	72
280	Industrial compatible re-growth of vertically aligned multiwall carbon nanotubes by ultrafast pure oxygen purification process. Diamond and Related Materials, 2011, 20, 746-751.	1.8	12
281	Gas flow rate and synthesis time dependence of MWCNT growth by chemical vapour deposition. , 2011, ,		3
282	Carbon nanotube-mediated wireless cell permeabilization: drug and gene uptake. Nanomedicine, 2011, 6, 1709-1718.	1.7	31
283	Synergistic effect of hybrid carbon nantube–graphene oxide as a nanofiller in enhancing the mechanical properties of PVA composites. Journal of Materials Chemistry, 2011, 21, 10844.	6.7	191
284	Dispersion of denatured carbon nanotubes by using a dimethylformamide solution. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2011, 2, 035015.	0.7	34
285	Water Desalination Using Carbon-Nanotube-Enhanced Membrane Distillation. ACS Applied Materials & Interfaces, 2011, 3, 110-114.	4.0	259
286	Shear-induced anisotropy of concentrated multiwalled carbon nanotube suspensions using x-ray scattering. Journal of Rheology, 2011, 55, 1033-1058.	1.3	19
287	Biomolecular modification of carbon nanotubes for studies of cell adhesion and migration. Nanotechnology, 2011, 22, 494019.	1.3	2
288	Carbon nanotube enhanced membrane distillation for online preconcentration of trace pharmaceuticals in polar solvents. Analyst, The, 2011, 136, 2643.	1.7	17
289	Facile synthesis of water-soluble multi-wall carbon nanotubes and polyaniline composites and their application in detection of small metabolites by matrix assisted laser desorption/ionization mass spectrometry. Chemical Communications, 2011, 47, 11017.	2.2	27
290	Physics and applications of aligned carbon nanotubes. Advances in Physics, 2011, 60, 553-678.	35.9	128
291	Synthesis and characterization of MWCNTs/Co1â^'xZnxFe2O4 magnetic nanocomposites and their use in hydrogels. Journal of Alloys and Compounds, 2011, 509, 4053-4059.	2.8	21
292	Fabrication of a novel nanocomposite based on sol–gel process for hollow fiber-solid phase microextraction of aflatoxins: B1 and B2, in cereals combined with high performane liquid chromatography–diode array detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3034-3040.	1.2	58
293	Facile synthesis and characterization of carbon nanotubes/silver nanohybrids coated with polyaniline. Synthetic Metals, 2011, 161, 2078-2082.	2.1	35

#	ARTICLE	IF	CITATIONS
294	Boosting electrical conductivity in a gel-derived material by nanostructuring with trace carbon nanotubes. Nanoscale, 2011, 3, 2898.	2.8	22
295	Field emission from single and few-layer graphene flakes. Applied Physics Letters, 2011, 98, .	1.5	94
296	Reactive Nanocomposite Foams. Frontiers in Forests and Global Change, 2011, 30, 45-62.	0.6	19
297	Study of Carbon Nanotube Based on Higher Order Cauchy-Born Rule. , 0, , .		3
298	Carbon Nanotubes - A Potential Material for Affinity Biosensors. , 2011, , .		3
299	About Grafting of Single-Walled Carbon Nanotubes on the Oligo-N-Vinyl Carbazole and Copolymer Involving N-Vinylcarbazole and Hexylthiophene. , 0, , .		1
300	Carbon Nanotubes as Conductive Filler in Segregated Polymer Composites - Electrical Properties. , 0, , .		15
301	Functionalization of Carbon Nanotubes. , 0, , .		43
302	Water dispersibility of gluconate functionalised multiwalled carbon nanotubes and facile strategy for construction of hybrid nanostructures. Materials Technology, 2011, 26, 80-86.	1.5	0
303	Mechanical and Electrical Properties of Multiwalled <scp>CNT</scp> â€Alumina Nanocomposites Prepared by a Sequential Twoâ€Step Processing of Ultrasonic Spray Pyrolysis and Spark Plasma Sintering. Journal of the American Ceramic Society, 2011, 94, 3774-3779.	1.9	62
304	Annealing treatment and carbon nanotubes concentration effects on the optical and vibrational properties of single walled carbon nanotubes functionalized with short oligo-N-vinyl carbazole. Materials Chemistry and Physics, 2011, 126, 417-423.	2.0	10
305	Aligned carbon nanotube-polystyrene composites prepared by in situ polymerisation of stacked layers. Composites Science and Technology, 2011, 71, 1606-1611.	3.8	23
306	Tuning the localization of functionalized MWCNTs in SAN/PC blends by a reactive component. Composites Science and Technology, 2011, 72, 41-48.	3.8	69
307	Recent applications of carbon nanotubes in hydrogen production and storage. Fuel, 2011, 90, 3123-3140.	3.4	144
308	Fabrication of transparent, flexible and conductive films using as-grown few-walled carbon nanotubes. Current Applied Physics, 2011, 11, S73-S77.	1.1	3
309	Thermal oscillations of structurally distinct single-walled carbon nanotubes. Physical Review B, 2011, 84, .	1.1	7
310	Structure and properties of Si nanostructures on highly oriented pyrolitic graphite surface. Journal of Surface Investigation, 2011, 5, 554-558.	0.1	0
311	The structure and properties of the Si nanostructures on an HOPG surface. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 12-16.	0.1	0

#	Article	IF	CITATIONS
312	Effective electron emitters by molybdenum oxide-coated carbon nanotubes core–shell nanostructures. Journal of Materials Science, 2011, 46, 4858-4863.	1.7	5
313	Release potential of single-wall carbon nanotubes produced by super-growth method during manufacturing and handling. Journal of Nanoparticle Research, 2011, 13, 1265-1280.	0.8	26
314	Influence of temperature, pressure, nanotube's diameter and intertube distance on methane adsorption in homogeneous armchair open-ended SWCNT triangular arrays. Theoretical Chemistry Accounts, 2011, 128, 231-240.	0.5	31
315	Micropreconcentration units based on carbon nanotubes (CNT). Analytical and Bioanalytical Chemistry, 2011, 399, 75-89.	1.9	51
316	Homogenization of aligned "fuzzy fiber―composites. International Journal of Solids and Structures, 2011, 48, 2668-2680.	1.3	46
317	Recent applications of carbon-based nanomaterials in analytical chemistry: Critical review. Analytica Chimica Acta, 2011, 691, 6-17.	2.6	381
318	Carbon nanotubes as adsorbents in environmental pollution management: A review. Chemical Engineering Journal, 2011, 170, 395-410.	6.6	925
319	Growth of Vertically Aligned Carbon Nanotubes by DCPECVD System and the Effects of C2H2 Concentration and Plasma Current on the Growth Behavior of CNTs. Arabian Journal for Science and Engineering, 2011, 36, 97-103.	1.1	3
320	Real-time detection of the interaction between anticancer drug daunorubicin and cancer cells by Au-MCNT nanocomposites modified electrodes. Science China Chemistry, 2011, 54, 812-815.	4.2	7
321	Silver nanowire-based transparent, flexible, and conductive thin film. Nanoscale Research Letters, 2011, 6, 75.	3.1	439
322	Durability and inflammogenic impact of carbon nanotubes compared with asbestos fibres. Particle and Fibre Toxicology, 2011, 8, 15.	2.8	87
323	High strength electrospun fibers. Polymers for Advanced Technologies, 2011, 22, 295-303.	1.6	26
324	Preparation and orientation behavior of multiâ€walled carbon nanotubes grafted with a sideâ€chain azobenzene liquid crystalline polymer. Polymer International, 2011, 60, 93-101.	1.6	12
325	Semiconducting Singleâ€Walled Carbon Nanotubes as Radical Photoinitiators. Macromolecular Chemistry and Physics, 2011, 212, 1469-1473.	1.1	12
326	Is It Worth the Effort to Reinforce Polymers With Carbon Nanotubes?. Macromolecular Theory and Simulations, 2011, 20, 350-362.	0.6	52
327	Tailored Assembly of Carbon Nanotubes and Graphene. Advanced Functional Materials, 2011, 21, 1338-1354.	7.8	207
328	Carbon Nanotubes for Sustainable Energy Applications. ChemSusChem, 2011, 4, 913-925.	3.6	86
329	Acetyleneâ€Enhanced Growth of Carbon Nanotubes on Ceramic Microparticles for Multiâ€Scale Hybrid Structures. Chemical Vapor Deposition, 2011, 17, 98-106.	1.4	15

#	Article	IF	CITATIONS
330	Cellular response of RAW 264.7 to spray oated multiâ€walled carbon nanotube films with various surfactants. Journal of Biomedical Materials Research - Part A, 2011, 96A, 413-421.	2.1	8
332	Highlyâ€Ordered Covalent Anchoring of Carbon Nanotubes on Electrode Surfaces by Diazonium Salt Reactions. Angewandte Chemie - International Edition, 2011, 50, 3457-3461.	7.2	35
333	On the fatigue life prediction of CFRP laminates using the Electrical Resistance Change method. Composites Science and Technology, 2011, 71, 630-642.	3.8	107
334	Hybrid effect of carbon nanotube and nano-clay on physico-mechanical properties of cement mortar. Construction and Building Materials, 2011, 25, 145-149.	3.2	338
335	Field emission property of printed CNTs-mixed ZnO nanoneedles. Applied Surface Science, 2011, 257, 6332-6335.	3.1	9
336	Pressure-dependent mechanical stability of simple cubic carbon. Physica B: Condensed Matter, 2011, 406, 2654-2657.	1.3	6
337	An overview of electrode materials in microbial fuel cells. Journal of Power Sources, 2011, 196, 4427-4435.	4.0	688
338	Preparation and characterization of mechanical properties of carbon nanotube/45S5Bioglass composites for biologic applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 1553-1557.	2.6	16
339	Adsorption and separation of binary mixtures of noble gases on single-walled carbon nanotube bundles. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 851-856.	1.3	18
340	Carbon Nanotubes as Supports for Palladium and Bimetallic Catalysts for Use in Hydrogenation Reactions. Platinum Metals Review, 2011, 55, 154-169.	1.5	101
342	Influence of catalyst thickness and temperature gradient on MWCNT growth and morphology in TCVD process. , 2011, , .		1
343	Self-Aligned Growth and Optimization of Carbon Nanotube. Advanced Materials Research, 0, 179-180, 316-319.	0.3	0
344	Synthesis of Carbon Nanostructures and CaCO ₃ Nanoparticles by Arc Discharge in Mineral Water. Journal of Nano Research, 2011, 15, 57-67.	0.8	5
345	Quantum diffusion in bilateral doped chains. Chinese Physics B, 2011, 20, 076701.	0.7	1
346	Simulation on Optoelectronic Properties of Carbon Nanotube Based Device. Advanced Materials Research, 2011, 179-180, 345-349.	0.3	0
347	The Effects of Different Defects on Vibration Properties of Single-Walled Carbon Nanotubes. Advanced Materials Research, 2011, 225-226, 1133-1136.	0.3	5
348	Effect of Loading Concentration on the Electrical and Hardness Properties of MWCNT/Epoxy Nanocomposites. Key Engineering Materials, 0, 471-472, 157-161.	0.4	0
349	Synthesis, Properties, and Applications of Low-Dimensional Carbon-Related Nanomaterials. Journal of Nanomaterials, 2011, 2011, 1-21.	1.5	101

#	Article	IF	CITATIONS
350	Self-Aligned Growth of Single-Walled Carbon Nanotube Bridging Two Electrodes. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 445-451.	1.0	2
351	Thermal Conductivity of Polymer/Carbon Nanotube Composites. Materials Science Forum, 0, 714, 99-113.	0.3	7
352	Phonon relaxation and heat conduction in one-dimensional Fermi-Pasta-Ulam β lattices by molecular dynamics simulations. Chinese Physics B, 2012, 21, 014401.	0.7	1
353	Strong photoluminescence from diameter-modulated single-walled carbon nanotubes. Applied Physics Letters, 2012, 101, 043123.	1.5	1
354	Polarons in Suspended Carbon Nanotubes. Physical Review Letters, 2012, 108, 076805.	2.9	4
355	Morphology and mechanical properties of MWNT/PMIA nanofibers by electrospinning. Textile Reseach Journal, 2012, 82, 1390-1395.	1.1	10
356	Ballistic Helmets: Their Design, Materials, and Performance Against Traumatic Brain Injury. , 2012, , .		0
357	Glassy carbon electrodes modified with multiwalled carbon nanotubes for the determination of ascorbic acid by square-wave voltammetry. Beilstein Journal of Nanotechnology, 2012, 3, 388-396.	1.5	25
358	Field Emission Device Made from Multiwalled Carbon Nanotube Sheet. Materials Research Society Symposia Proceedings, 2012, 1407, 163.	0.1	0
359	Cellulose Nanocrystal-Assisted Dispersion of Luminescent Single-Walled Carbon Nanotubes for Layer-by-Layer Assembled Hybrid Thin Films. Langmuir, 2012, 28, 12463-12471.	1.6	123
360	Improving the Degree of Functionalization and Solubility of Single-Walled Carbon Nanotubes via Covalent Multiple Functionalization. Journal of Inorganic and Organometallic Polymers and Materials, 2012, 22, 1182-1188.	1.9	7
361	Preconcentration procedure trace amounts of palladium using modified multiwalled carbon nanotubes sorbent prior to flame atomic absorption spectrometry. Arabian Journal of Chemistry, 2012, 5, 461-466.	2.3	37
362	Optimized delay and power performances for multi-walled CNT in global VLSI interconnects. , 2012, , .		3
363	Broadband thermoacoustic spectroscopy of single walled carbon nanotubes. , 2012, , .		6
364	DWCNT-Doped Silica Gel Exhibiting Both Ionic and Electronic Conductivities. Journal of Physical Chemistry C, 2012, 116, 11306-11314.	1.5	12
365	Suspending Multi-Walled Carbon Nanotubes by Humic Acids from a Peat Soil. Environmental Science & Technology, 2012, 46, 3891-3897.	4.6	40
366	A Critical Review of Glucose Biosensors Based on Carbon Nanomaterials: Carbon Nanotubes and Graphene. Sensors, 2012, 12, 5996-6022.	2.1	451
368	Impact of Surface Functionalization on Bacterial Cytotoxicity of Single-Walled Carbon Nanotubes. Environmental Science & Technology, 2012, 46, 6297-6305.	4.6	119

#	Article	IF	CITATIONS
369	Simulation on electrical field distribution of dielectrophoresis for carbon nanotube. , 2012, , .		0
370	Mechanics of thermophoretic and thermally induced edge forces in carbon nanotube nanodevices. Journal of the Mechanics and Physics of Solids, 2012, 60, 1676-1687.	2.3	55
371	The effect of milling conditions on microstructures and mechanical properties of Al/MWCNT composites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1061-1072.	3.8	134
372	On the electrical properties of multi scale reinforced composites for damage accumulation monitoring. Composites Part B: Engineering, 2012, 43, 2687-2696.	5.9	52
373	Effective mechanical properties of "fuzzy fiber―composites. Composites Part B: Engineering, 2012, 43, 2577-2593.	5.9	64
374	A review – Synthesis of carbon nanotubes from plastic wastes. Chemical Engineering Journal, 2012, 195-196, 377-391.	6.6	195
375	Decorating multi-walled carbon nanotubes with Au nanoparticles by amphiphilic ionic liquid self-assembly. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 408, 1-7.	2.3	12
376	Improved electrocatalytic effect of carbon nanomaterials by covalently anchoring with CoTAPP via diazonium salt reactions. Electrochemistry Communications, 2012, 22, 141-144.	2.3	43
377	Preparation and structure of multiwalled carbon nanotubes. Inorganic Materials, 2012, 48, 249-251.	0.2	0
378	Effect of doping on single-walled carbon nanotubes network of different metallicity. Nanoscale Research Letters, 2012, 7, 548.	3.1	32
379	Determination of phenolic compounds in water and urine samples using solid-phase microextraction based on sol–gel technique prior to GC-FID. Analytical Methods, 2012, 4, 4316.	1.3	25
380	Functionalized Carbon Nanotubes and Their Enhanced Polymers. , 2012, , 439-478.		5
381	Nanotoxicology. Frontiers of Nanoscience, 2012, 4, 443-485.	0.3	1
382	Effect of ball-milling time on mechanical properties of carbon nanotubes reinforced aluminum matrix composites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 2161-2168.	3.8	249
383	Integration of CNT-Based Chemical Sensors and Biosensors in Microfluidic Systems. Springer Series on Chemical Sensors and Biosensors, 2012, , 59-101.	0.5	1
384	Assessment of hydrogen storage by physisorption in porous materials. Energy and Environmental Science, 2012, 5, 8294.	15.6	75
385	Nanoadsorbents for Remediation of Aquatic Environment: Local and Practical Solutions for Global Water Pollution Problems. Critical Reviews in Environmental Science and Technology, 2012, 42, 1233-1295.	6.6	135
386	Enhanced electron emission from tetrahedral amorphous carbon capped carbon nanotube core-shelled structure. Diamond and Related Materials, 2012, 21, 37-41.	1.8	3

		CITATION RE	PORT	
#	Article		IF	CITATIONS
388	A method for coating carbon nanotubes with titanium. New Carbon Materials, 2012, 27,	401-408.	2.9	18
389	Metal-doped carbon nanotubes interacting with vitamin C. Physical Chemistry Chemical F 14, 16737.	hysics, 2012,	1.3	5
390	Nonequilibrium molecular dynamics simulation of water transport through carbon nanoti membranes at low pressure. Journal of Chemical Physics, 2012, 137, 044102.	ıbe	1.2	58
391	Electrospun carbon nanofibrous mats surface-decorated with Pd nanoparticles via the su CO2 method for sensing of H2. RSC Advances, 2012, 2, 10195.	bercritical	1.7	6
392	Vibration analysis of viscoelastic carbon nanotubes. Micro and Nano Letters, 2012, 7, 130)8-1312.	0.6	15
393	Direct Growth of Aligned Carbon Nanotubes on Quartz Fibers for Structural Epoxy Comp Industrial & Engineering Chemistry Research, 2012, 51, 4927-4933.	osites.	1.8	11
394	Inkjet printing of conductive materials: a review. Circuit World, 2012, 38, 193-213.		0.7	371
395	Carbon Nanotube Embedded Multi-Functional Polymer Nanocomposites. , 0, , .			2
396	In vivo Toxicity Studies of Pristine Carbon Nanotubes: A Review. , 0, , .			3
397	Manifestations of electron interactions in photogalvanic effect in chiral nanotubes. Physic B, 2012, 85, .	cal Review	1.1	1
398	Optimisation of reaction conditions for the synthesis of singleâ€walled carbon nanotube response surface methodology. Canadian Journal of Chemical Engineering, 2012, 90, 489	s using -505.	0.9	18
399	Strengthening mechanisms in carbon nanotube reinforced bioglass composites. Frontiers Science and Engineering, 2012, 6, 126-131.	of Chemical	2.3	14
400	Surface modifications for the effective dispersion of carbon nanotubes in solvents and pc Carbon, 2012, 50, 3-33.	lymers.	5.4	608
401	The use of semiconducting single-walled carbon nanotube films to measure X-ray dose. C 50, 2197-2201.	arbon, 2012,	5.4	9
402	One-step synthesis of a graphene-carbon nanotube hybrid decorated by magnetic nanopa Carbon, 2012, 50, 2764-2771.	articles.	5.4	64
403	Using bent carbon nanotubes for the fabrication of electromechanical switches. Carbon, 3635-3640.	2012, 50,	5.4	9
404	Growth of carbon nanotubes on low-cost bamboo charcoal for Pb(II) removal from aqueo solution. Chemical Engineering Journal, 2012, 184, 193-197.	us	6.6	27
405	Application of modified multiwalled carbon nanotubes as solid sorbent for separation and preconcentration of trace amounts of manganese ions. Arabian Journal of Chemistry, 201	2, 5, 187-191.	2.3	15

#	Article	IF	CITATIONS
406	Supported Pt-particles on multi-walled carbon nanotubes with controlled surface chemistry. Materials Letters, 2012, 66, 64-67.	1.3	6
407	Carbon nanotube enhanced membrane distillation for simultaneous generation of pure water and concentrating pharmaceutical waste. Separation and Purification Technology, 2012, 90, 239-245.	3.9	58
408	Resistance measurement of isolated single-walled carbon nanotubes. Measurement: Journal of the International Measurement Confederation, 2012, 45, 1297-1300.	2.5	6
409	High-performance nanocomposites based on polyetherketones. Progress in Materials Science, 2012, 57, 1106-1190.	16.0	222
410	Carbon Nanotube Interconnects: Process Variation via Polynomial Chaos. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 140-148.	1.4	31
411	Carbon nanotubes in capillary electrophoresis, capillary electrochromatography and microchip electrophoresis. Open Chemistry, 2012, 10, 785-801.	1.0	15
412	Fabrication of hybrid ladderlike polysilsesquioxaneâ€grafted multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2012, 124, 3792-3798.	1.3	5
413	Dispersion and Thermal Analysis of Carbon Nanotube Reinforced AA 4032 Alloy Produced by High Energy Ball Milling. Experimental Techniques, 2013, 37, 14-18.	0.9	7
414	Degradation of multiwall carbon nanotubes by bacteria. Environmental Pollution, 2013, 181, 335-339.	3.7	108
415	Mechanical properties and bioactivity of high-performance poly(etheretherketone)/carbon nanotubes/bioactive glass biomaterials. Journal of Polymer Research, 2013, 20, 1.	1.2	18
416	Nanoadsorbents: Classification, Preparation, and Applications (with Emphasis on Aqueous Media). Chemical Reviews, 2013, 113, 7728-7768.	23.0	435
417	Electrical conductivity and microwave absorption of shortened multi-walled carbon nanotube/alumina ceramic composites. Ceramics International, 2013, 39, 5979-5983.	2.3	63
418	Preparation and Characterization of Polycarbonate-Blend-Raw/Functionalized Multi-Walled Carbon Nano Tubes Mixed Matrix Membrane for CO ₂ Separation. Separation Science and Technology, 2013, 48, 1261-1271.	1.3	35
419	Synthesis of well-organised carbon nanotube membranes from non-degradable plastic bags with tuneable molecular transport: Towards nanotechnological recycling. Carbon, 2013, 63, 423-433.	5.4	30
420	Carbon nanotubes/kraft lignin composite: Characterization and charge storage properties. Materials Research Bulletin, 2013, 48, 4032-4038.	2.7	62
421	High performance flexible sensor based on inorganic nanomaterials. Sensors and Actuators B: Chemical, 2013, 176, 522-533.	4.0	77
422	Ionization potentials and structural properties of finite-length single-walled carbon nanotubes: DFT study. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 262-266.	1.3	33
423	Palladium nanoparticles supported on carbon nanotubes from solventless preparations: versatile catalysts for ligand-free Suzuki cross coupling reactions. Journal of Materials Chemistry A, 2013, 1, 12909.	5.2	92

#	Article	IF	CITATIONS
424	Covalent ligation of gold coated iron nanoparticles to the multi-walled carbon nanotubes employing click chemistry. Journal of Alloys and Compounds, 2013, 561, 201-205.	2.8	13
425	Fabrication of highly sensitive field emission based pressure sensor, using CNTs grown on micro-machined substrate. Sensors and Actuators A: Physical, 2013, 201, 310-315.	2.0	16
426	Synthesis of Highly Water-Dispersible Polydopamine-Modified Multiwalled Carbon Nanotubes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. ACS Applied Materials & Interfaces, 2013, 5, 7770-7776.	4.0	97
427	Sliding friction and wear of "nanomodified―and coated rubbers. , 2013, , 437-465.		2
428	Estimation of the Young's modulus of single-walled carbon nanotubes under electric field using tight-binding method. Superlattices and Microstructures, 2013, 59, 178-186.	1.4	7
429	Preparation and magnetic properties of poly(3-octyl-thiophene) /BaFe11.92(LaNd)0.04O19-titanium dioxide/multiwalled carbon nanotubes nanocomposites. Composites Science and Technology, 2013, 77, 8-13.	3.8	26
430	NH2+ implantations induced superior hemocompatibility of carbon nanotubes. Nanoscale Research Letters, 2013, 8, 205.	3.1	14
431	Density functional theory investigation of acetylene dehydrogenation on metal exchanged ZSM-5 clusters for initial step of carbon nanotube production. Microporous and Mesoporous Materials, 2013, 180, 102-108.	2.2	4
432	Production of Carbon Nanotubes over Fe-FSM-16 Catalytic Material: Effect of Acetylene Flow Rate and CVD Temperature. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 311-325.	1.0	5
433	Using various techniques to characterize oxidative functionalized and aminosilanized carbon nanotubes for polyamide matrix. Journal of Reinforced Plastics and Composites, 2013, 32, 75-86.	1.6	43
435	Evaluating the capabilities of portable black carbon monitors and photometers for measuring airborne carbon nanotubes. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	12
436	Nonlinear failure analysis of carbon nanotubes by using molecular-mechanics based models. Composites Part B: Engineering, 2013, 50, 150-157.	5.9	20
437	A low-maintenance, primary cell culture model for the assessment of carbon nanotube toxicity. Toxicological and Environmental Chemistry, 2013, 95, 1129-1144.	0.6	8
438	Chirality-dependent properties of carbon nanotubes: electronic structure, optical dispersion properties, Hamaker coefficients and van der Waals–London dispersion interactions. RSC Advances, 2013, 3, 823-842.	1.7	36
439	Photoflash thermal diffusivity measurement of carbon nanotube-filled PVDF composite at low temperature. Nondestructive Testing and Evaluation, 2013, 28, 226-232.	1.1	0
440	A study on the interaction of single-walled carbon nanotubes (SWCNTs) and polystyrene (PS) at the interface in SWCNT–PS nanocomposites using tip-enhanced Raman spectroscopy. Physical Chemistry Chemical Physics, 2013, 15, 20618.	1.3	40
441	Catalytic Decomposition of Methane to Carbon Nanotubes and Hydrogen: The Effect of Metal Loading on the Activity of CoO-MoO/Al ₂ O ₃ Catalyst. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 158-170.	1.0	13
442	Mechanisms of toxicity by carbon nanotubes. Toxicology Mechanisms and Methods, 2013, 23, 178-195.	1.3	65

		CITATION R	EPORT	
#	Article		lF	CITATIONS
443	Mechanically alloyed nanocomposites. Progress in Materials Science, 2013, 58, 383-50	12.	16.0	622
444	The controlled formation of hybrid structures of multi-walled carbon nanotubes on SiC particles and their synergetic effect as a filler in poly(vinylidene fluoride) based compose 2013, 51, 355-364.	plate-like ites. Carbon,	5.4	33
445	Natural gas storage on silicon, carbon, and silicon carbide nanotubes: a combined quar mechanics and grand canonical Monte Carlo simulation study. Journal of Nanoparticle 15, 1.	ıtum Research, 2013,	0.8	12
446	Carbon Nanomaterials in Catalysis: Proton Affinity, Chemical and Electronic Properties, Catalytic Consequences. ChemCatChem, 2013, 5, 378-401.	and their	1.8	228
447	Evolution of gold thin films to nanoparticles using plasma ion bombardment and their catalyst for carbon nanotube growth. Thin Solid Films, 2013, 547, 188-192.	use as a	0.8	4
448	Strong carbon nanotube macro-films with retained deformability at fairly low temperat E: Low-Dimensional Systems and Nanostructures, 2013, 47, 285-289.	ures. Physica	1.3	2
449	Counter-current ammonia injection flow during synthesis of single-walled carbon nano induction thermal plasma. Chemical Engineering Science, 2013, 104, 389-398.	tubes by	1.9	4
450	Preparation and characterization of bagasse/HDPE composites using multi-walled carb Carbohydrate Polymers, 2013, 92, 865-871.	on nanotubes.	5.1	59
451	Ballistic helmets – Their design, materials, and performance against traumatic brain i Structures, 2013, 101, 313-331.	njury. Composite	3.1	130
452	Controllable purification, cutting and unzipping of multi-walled carbon nanotubes with method. Applied Physics A: Materials Science and Processing, 2013, 111, 951-957.	a microwave	1.1	18
453	Improved Field Emission Properties of Ag-Decorated Multi-Walled Carbon Nanotubes. I Technology Letters, 2013, 25, 1017-1019.	EEE Photonics	1.3	18
454	Synchronous chemical vapor deposition of large-area hybrid graphene–carbon nanot architectures. Journal of Materials Research, 2013, 28, 958-968.	ube	1.2	15
455	Mechanical Dispersion Methods for Carbon Nanotubes in Aerospace Composite Matrix Mechanics and Its Applications, 2013, , 99-154.	Systems. Solid	0.1	3
456	Relation Between Flow Enhancement Factor and Structure for Core-Softened Fluids Ins Nanotubes. Journal of Physical Chemistry B, 2013, 117, 7047-7056.	ide	1.2	40
457	Influence of process parameters on the morphology, rheological and dielectric properti three-roll-milled multiwalled carbon nanotube/epoxy suspensions. Polymer, 2013, 54, 1	es of .88-198.	1.8	28
458	Base-growth mechanism of double-walled carbon nanotube in chemical vapor deposition Crystal Growth, 2013, 371, 56-59.	on. Journal of	0.7	3
459	Realizing Comparable Oxidative and Cytotoxic Potential of Single- and Multiwalled Car through Annealing. Environmental Science & amp; Technology, 2013, 47, 1307261330	bon Nanotubes 45005.	4.6	24
460	On thermal and electrical properties of multiwalled carbon nanotubes/copper matrix nanocomposites. Journal of Alloys and Compounds, 2013, 580, 527-532.		2.8	59

#	Article	IF	CITATIONS
461	Preparation of modified MWCNTs-doped PANI nanorods by oxygen plasma and their ammonia-sensing properties. Journal of Materials Science, 2013, 48, 3597-3604.	1.7	23
462	Old newsprint/polypropylene nanocomposites using carbon nanotube: Preparation and characterization. Composites Part B: Engineering, 2013, 45, 1414-1419.	5.9	20
463	Preparation and characterization of polyvinylchloride based mixed matrix membrane filled with multi walled carbon nano tubes for carbon dioxide separation. Journal of Industrial and Engineering Chemistry, 2013, 19, 347-352.	2.9	43
464	Thermal and structural stability of single- and multi-walled carbon nanotubes up to 1800°C in Argon studied by Raman spectroscopy and transmission electron microscopy. Materials Research Bulletin, 2013, 48, 41-47.	2.7	18
465	Chlorination of Carbon Nanotubes Obtained on the Different Metal Catalysts. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	17
466	Effect of hydrogen pretreatment on the spin-capability of a multiwalled carbon nanotube forest. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 06Fl02.	0.6	14
467	Processing of CNTs Reinforced Al-Based Nanocomposites Using Different Consolidation Techniques. Journal of Nanomaterials, 2013, 2013, 1-10.	1.5	21
468	Grafting of Multiwalled Carbon Nanotubes with Chicken Feather Keratin. Journal of Nanomaterials, 2013, 2013, 1-9.	1.5	25
469	Growth of Carbon Nanotubes on Carbon/Cobalt Films with Different sp ^{2} /sp ^{3} Ratios. Journal of Nanomaterials, 2013, 2013, 1-5.	1.5	0
470	Carbon Nanotubes: A Review on Structure and Their Interaction with Proteins. Journal of Chemistry, 2013, 2013, 1-18.	0.9	420
471	A New Purification Way for Multiwalled Carbon Nanotubes. Applied Mechanics and Materials, 2013, 457-458, 240-243.	0.2	2
472	Mass Production of Carbon Nanofibers on Water Soluble Support. Advanced Materials Research, 0, 678, 198-202.	0.3	0
473	Field Emission Properties of Spiral Pattern by Screen Printing. Japanese Journal of Applied Physics, 2013, 52, 11NJ08.	0.8	1
474	Acoustic properties of carbon nanotube electrodes in BAW resonators. , 2013, , .		2
475	Controllable Fabrication and Characterization of Si-coated Multiwalled Carbon Nanotubes. Integrated Ferroelectrics, 2013, 146, 22-28.	0.3	2
476	Mussel inspired modification of carbon nanotubes using RAFT derived stimuli-responsive polymers. RSC Advances, 2013, 3, 21817.	1.7	67
477	Ohmic Contacts to P–GaN Based on the Single–Walled Carbon Nanotubes. Journal of Electrical Engineering, 2013, 64, 323-326.	0.4	2
478	Improving the Ohmic Properties of Au/Ni–Mg/P–GaN Contacts by Adding Swcnt Metallization Interlayer Between Metal and P–GaN Layers. Journal of Electrical Engineering, 2013, 64, 390-392. ————————————————————————————————————	0.4	0

		15	C
#	ARTICLE	IF	CITATIONS
479	Analysis of the Behavior of Carbon Nanotubes on Cementitious Composites. ISRN Nanomaterials, 2013, 2013, 1-17.	0.7	2
480	Nanocomposite fibers. , 0, , 191-238.		0
481	Investigation of Dispersibility of Multi-Walled Carbon Nanotubes Using Polysulfones with Various Structures. International Journal of the Society of Materials Engineering for Resources, 2014, 20, 77-81.	0.1	9
482	CONTINUUM SHELL MODEL FOR BUCKLING OF ARMCHAIR CARBON NANOTUBES UNDER COMPRESSION OR TORSION. International Journal of Applied Mechanics, 2014, 06, 1450006.	1.3	21
484	Processing of Alumina and Corresponding Composites. , 2014, , 31-72.		7
485	Emerging Applications for High K Materials in VLSI Technology. Materials, 2014, 7, 2913-2944.	1.3	121
486	Application of Multiwalled Carbon Nanotube Nanofluid for 450 W LED Floodlight. Journal of Nanomaterials, 2014, 2014, 1-6.	1.5	7
487	Empirical prediction of optical transitions in metallic armchair SWCNTs. , 2014, , .		0
488	Gas transport properties of novel mixed matrix membranes made of titanate nanotubes and PBI or PPO. Desalination and Water Treatment, 2014, , 1-9.	1.0	7
489	Noble gas encapsulation into carbon nanotubes: Predictions from analytical model and DFT studies. Journal of Chemical Physics, 2014, 141, 184304.	1.2	17
490	CNT Membrane as a Free Standing Electrode for PEM Fuel Cell. Journal of the Electrochemical Society, 2014, 161, F1146-F1153.	1.3	7
491	The structure, stability, and electronic properties of ultra-thin BC2N nanotubes: a first-principles study. Journal of Molecular Modeling, 2014, 20, 2536.	0.8	2
492	Durability analysis of polymer-coated pristine carbon nanotube-based fuel cell electrocatalysts under non-humidified conditions. Journal of Materials Chemistry A, 2014, 2, 19053-19059.	5.2	41
493	Linking Catalyst Phase with CNT Morphology and its Subsequent Field Emission Characteristics: An Optimization Study. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 375-383.	1.0	1
494	Synthesis of MoS2 nano-petal forest supported on carbon nanotubes for enhanced field emission performance. Journal of Applied Physics, 2014, 116, 114305.	1.1	14
495	Novel structure and abnormal electronic properties of ultra-thin BC2N nanotubes from first-principles investigation. Chemical Physics Letters, 2014, 616-617, 61-66.	1.2	6
496	Carbon nanotube forests as top electrodes for AlN-based electroacoustic resonators. , 2014, , .		1
497	Carbon-nanotube-based liquids: a new class of nanomaterials and their applications. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 015014.	0.7	13

#	Article	IF	CITATIONS
498	Field and temperature dependent electron transport properties of random network single walled and multi walled carbon nanotubes. Materials Research Express, 2014, 1, 035004.	0.8	3
499	Spectral response of carbon nanotube-based device. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2014, 228, 104-107.	0.1	0
500	Single walled carbon nanotubes induce cytotoxicity and oxidative stress in HEK293 cells. Toxicological and Environmental Chemistry, 2014, 96, 931-940.	0.6	8
501	Characteristics and Applications of Carbon Nanotubes with Different Numbers of Walls. , 2014, , 313-339.		5
502	Effects of multi-walled carbon nanotubes on the physical and mechanical properties of high-density polyethylene/wood flour nanocomposites. Journal of Thermoplastic Composite Materials, 2014, 27, 1139-1154.	2.6	20
503	CdCO 3 /Carbon nanotube nanocomposites as anode materials for advanced lithium-ion batteries. Materials Letters, 2014, 114, 115-118.	1.3	16
504	Structural modifications of multiwalled carbon nanotubes and their effects on optical properties. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	3
505	Real-Time Debonding Monitoring of Composite Repaired Materials via Electrical, Acoustic, and Thermographic Methods. Journal of Materials Engineering and Performance, 2014, 23, 169-180.	1.2	20
506	Cationic UV-Curing: Technology and Applications. Macromolecular Materials and Engineering, 2014, 299, 775-793.	1.7	233
507	Selective desorption characteristics of halloysite nanotubes for anionic azo dyes. RSC Advances, 2014, 4, 15389.	1.7	22
508	Tensile behavior of heat welded CNT network structures. Computational Materials Science, 2014, 88, 14-21.	1.4	19
509	Upcycling waste plastics into carbon nanomaterials: A review. Journal of Applied Polymer Science, 2014, 131, .	1.3	216
510	Influence of multi-walled carbon nanotubes on textural and adsorption characteristics of in situ synthesized mesostructured silica. Journal of Colloid and Interface Science, 2014, 421, 93-102.	5.0	42
511	â€~Fluoroplastic–Multi-Walled Carbon Nanotube' Composites: Structural, Mechanical, and Tribotechnical Characteristics. Powder Metallurgy and Metal Ceramics, 2014, 52, 620-631.	0.4	2
513	Carbon Nanotube Gas Sensors. Springer Series on Chemical Sensors and Biosensors, 2014, , 109-174.	0.5	10
514	Metal accumulation and antioxidant defenses in the freshwater fish Carassius auratus in response to single and combined exposure to cadmium and hydroxylated multi-walled carbon nanotubes. Journal of Hazardous Materials, 2014, 275, 89-98.	6.5	77
515	Separation of dispersed carbon nanotubes from water: Effect of pH and surfactants on the aggregation at oil/water interface. Separation and Purification Technology, 2014, 129, 113-120.	3.9	11
516	High sensitive/wide dynamic range, field emission pressure sensor based on fully embedded CNTs. Journal Physics D: Applied Physics, 2014, 47, 045302.	1.3	6

#	Article	IF	CITATIONS
517	Carbon nanostructure counter electrodes for low cost and stable dye-sensitized solar cells. Nano Energy, 2014, 4, 157-175.	8.2	109
518	Carbon nanotube-based fluorescence sensors. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2014, 19, 20-34.	5.6	71
519	Hydrogen storage on silicon, carbon, and silicon carbide nanotubes: A combined quantum mechanics and grand canonical Monte Carlo simulation study. International Journal of Hydrogen Energy, 2014, 39, 1719-1731.	3.8	40
520	Photoelectricity property of micro device based on carbon nanotubes. , 2014, , .		0
521	Comparative study of multiwalled carbon nanotube/polyethylene composites produced via different techniques. Physica Status Solidi (B): Basic Research, 2014, 251, 2437-2443.	0.7	21
522	Theoretical Study of Hydrogen Adsorption on Ru-Decorated (8,0) Single-Walled Carbon Nanotube. Journal of Physical Chemistry C, 2014, 118, 27672-27680.	1.5	43
523	Improvement of the mechanical and electrical properties of polyamide 6 nanocomposites by non-covalent functionalization of multi-walled carbon nanotubes. Composites Science and Technology, 2014, 102, 169-175.	3.8	33
524	Field ion emission property of carbon nanotube arrays. , 2014, , .		0
525	Thermal Conductivity of Freestanding Single Wall Carbon Nanotube Sheet by Raman Spectroscopy. ACS Applied Materials & Interfaces, 2014, 6, 19958-19965.	4.0	58
526	Structural, morphological, dielectric and magnetic characterizations of Ni0.6Cu0.2Zn0.2Fe2O4 (NCZF/MWCNTs/PVDF) nanocomposites for multilayer chip inductor (MLCI) applications. Ceramics International, 2014, 40, 15821-15829.	2.3	46
527	Enhanced reactive oxygen species on a phosphate modified C3N4/graphene photocatalyst for pollutant degradation. CrystEngComm, 2014, 16, 1287.	1.3	68
528	Upcycle waste plastics to magnetic carbon materials for dye adsorption from polluted water. RSC Advances, 2014, 4, 26817.	1.7	13
529	Graphene oxide as an anti-shrinkage additive for resorcinol–formaldehyde composite aerogels. Physical Chemistry Chemical Physics, 2014, 16, 11603-11608.	1.3	62
531	Improved Polymer Encapsulation on Multiwalled Carbon Nanotubes by Selective Plasma Induced Controlled Polymer Grafting. ACS Applied Materials & Interfaces, 2014, 6, 664-670.	4.0	36
532	Using Intimate Carbon to Enhance the Performance of NaTi ₂ (PO ₄) ₃ Anode Materials: Carbon Nanotubes vs Graphite. Journal of the Electrochemical Society, 2014, 161, A561-A567.	1.3	79
533	Flexible transparent conducting composite films using a monolithically embedded AgNW electrode with robust performance stability. Nanoscale, 2014, 6, 711-715.	2.8	95
534	Toward Tailored Functional Design of Multi-Walled Carbon Nanotubes (MWNTs): Electrochemical and Antimicrobial Activity Enhancement via Oxidation and Selective Reduction. Environmental Science & Technology, 2014, 48, 5938-5945.	4.6	44
535	Phase transformation-dependent sensing performance of multi-walled carbon nanotube–alumina nanocomposite-based gas sensors. Materials Science in Semiconductor Processing, 2014, 27, 63-70.	1.9	3

#	Article	IF	CITATIONS
536	DFT Study of the Elastic Properties of Pristine and Moderately Fluorinated Single-walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 781-788.	1.0	7
537	Numerical study of carbon nanotube field effect transistors in presence of carbon–carbon third nearest neighbor interactions. International Journal of Modern Physics B, 2014, 28, 1450167.	1.0	1
538	Preparation of micro-nano-composites of TiO ₂ /carbon nanostructures, C-CNT macroscopic shaping and their applications. Journal of Experimental Nanoscience, 2014, 9, 694-706.	1.3	1
539	Carbon nanotubes: properties, synthesis, purification, and medical applications. Nanoscale Research Letters, 2014, 9, 393.	3.1	865
540	Organic contaminants and carbon nanoparticles: sorption mechanisms and impact parameters. Journal of Zhejiang University: Science A, 2014, 15, 606-617.	1.3	10
541	n-Type Carbon Nanotubes/Silver Telluride Nanohybrid Buckypaper with a High-Thermoelectric Figure of Merit. ACS Applied Materials & Interfaces, 2014, 6, 4940-4946.	4.0	60
542	Crystallization of poly(ε-caprolactone)/MWCNT composites: A combined SAXS/WAXS, electrical and thermal conductivity study. Polymer, 2014, 55, 2220-2232.	1.8	80
543	Potential and prospective implementation of carbon nanotubes on next generation aircraft and space vehicles: A review of current and expected applications in aerospace sciences. Progress in Aerospace Sciences, 2014, 70, 42-68.	6.3	189
544	Consolidation of Carbon Nanotube Reinforced Aluminum Matrix Composites by High-Pressure Torsion. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4129-4137.	1.1	39
545	Nanosized Carbon Black Combined with Ni ₂ O ₃ as "Universal―Catalysts for Synergistically Catalyzing Carbonization of Polyolefin Wastes to Synthesize Carbon Nanotubes and Application for Supercapacitors. Environmental Science & Technology, 2014, 48, 4048-4055.	4.6	82
546	Tunable electronic properties of ultra-thin boron-carbon-nitrogen heteronanotubes for various compositions. Journal of Molecular Modeling, 2014, 20, 2371.	0.8	2
547	Enhancement of carbon nanotube growth yield on Inconel 600 substrates through the surface pretreatments combining thermal annealing and plasma ion bombardment. Current Applied Physics, 2014, 14, 8-12.	1.1	5
548	Gas separation properties of poly(amide-6-b-ethylene oxide)/amino modified multi-walled carbon nanotubes mixed matrix membranes. Journal of Membrane Science, 2014, 467, 41-47.	4.1	162
549	Air-stable nanogranular Fe thin films formed by Chemical Vapor Deposition of triiron dodecacarbonyl as catalysts for carbon nanotube growth. Thin Solid Films, 2014, 550, 76-84.	0.8	4
550	Numerical evaluation of effective elastic properties of CNT-reinforced polymers for interphase effects. Computational Materials Science, 2014, 88, 139-144.	1.4	33
551	Exposure and Emission Measurements During Production, Purification, and Functionalization of Arc-Discharge-Produced Multi-walled Carbon Nanotubes. Annals of Occupational Hygiene, 2014, 58, 355-79.	1.9	32
552	The layers of carbon nanomaterials as the base of ohmic contacts to p-GaN. Applied Surface Science, 2014, 312, 63-67.	3.1	2
553	Mechanical alloying of multi-walled carbon nanotubes reinforced aluminum composite powder. Powder Technology, 2014, 266, 7-15.	2.1	47

#	Article	IF	CITATIONS
554	Comparing characterization of functionalized multi-walled carbon nanotubes by potentiometric proton titration, NEXAFS, and XPS. Chinese Journal of Catalysis, 2014, 35, 856-863.	6.9	37
556	A bioactive glass nanocomposite scaffold toughed by multi-wall carbon nanotubes for tissue engineering. Journal of the Ceramic Society of Japan, 2015, 123, 485-491.	0.5	15
558	Influence of oxygen impurity on electronic properties of carbon and boron nitride nanotubes: A comparative study. AIP Advances, 2015, 5, .	0.6	17
559	Concept of the Tip Effect in Single Walled Carbon Nanotube. Advanced Materials Research, 0, 1099, 37-40.	0.3	Ο
560	Inner Surface Chirality of Singleâ€Handed Twisted Carbonaceous Tubular Nanoribbons. Chirality, 2015, 27, 809-815.	1.3	13
561	Effects of glucoseâ€functionalized multiwalled carbon nanotubes on the structural, mechanical, and thermal properties of chitosan nanocomposite films. Journal of Applied Polymer Science, 2015, 132, .	1.3	17
562	Textile supercapacitors-based on MnO2/SWNT/conducting polymer ternary composites. International Journal of Energy Research, 2015, 39, 2042-2052.	2.2	46
563	Solutionâ€Processed Ultrathin Aluminosilicate Nanotube–Poly(vinyl alcohol) Composite Membranes with Partial Alignment of Nanotubes. ChemNanoMat, 2015, 1, 102-108.	1.5	14
564	Tip-Enhanced Raman Scattering of Nanomaterials. E-Journal of Surface Science and Nanotechnology, 2015, 13, 329-338.	0.1	2
565	Experimental Investigation on CRDI System Assisted Diesel Engine Fulled by Diesel with Nanotubes. American Journal of Engineering and Applied Sciences, 2015, 8, 380-389.	0.3	15
566	Estimated Molecular Structure of a Carbon Nanotubec Molecular Heater Based on Binding Properties to a Target Protein. Journal of Applied Biomaterials and Functional Materials, 2015, 13, 320-325.	0.7	0
567	Highly Functionalized Polyethylene Terephthalate for Food Packaging. , 2015, , 213-234.		2
568	Progress in Research on Carbon Nanotubes Reinforced Cementitious Composites. Advances in Materials Science and Engineering, 2015, 2015, 1-16.	1.0	30
569	Synthesis of Multi-Walled Carbon Nanotube by using Ethanol as a Carbon Source. Chemical Sciences Journal, 2015, 06, .	0.1	1
570	Electrical and Optical Properties of Carbon Nanotube Hybrid Zinc Oxide Nanocomposites Prepared by Ball Mill Technique. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 865-869.	1.0	24
571	Broadband laser polarization control with aligned carbon nanotubes. Nanoscale, 2015, 7, 11199-11205.	2.8	14
572	Modeling and Simulation for Current-Illumination Characteristics of Carbon Nanotube. Advanced Materials Research, 0, 1095, 39-47.	0.3	0
573	Raman spectroscopy and the material study of nanocomposite membranes from poly(ε-caprolactone) with biocompatibility testing in osteoblast-like cells. Analyst, The, 2015, 140, 2311-2320.	1.7	40

#	Article	IF	CITATIONS
574	Carbon nanostructure composite for electromagnetic interference shielding. Pramana - Journal of Physics, 2015, 84, 1099-1116.	0.9	87
575	Reducing structural defects and improving homogeneity of nitric acid treated multi-walled carbon nanotubes. Carbon, 2015, 93, 515-522.	5.4	16
576	Multifunctional Electroactive Nanocomposites Based on Piezoelectric Boron Nitride Nanotubes. ACS Nano, 2015, 9, 11942-11950.	7.3	111
577	Performance of hybrid nanostructured conductive cotton threads as LPG sensor at ambient temperature: preparation and analysis. RSC Advances, 2015, 5, 99253-99269.	1.7	29
578	Empirical prediction of optical transitions in metallic armchair SWCNTs. Cogent Physics, 2015, 2, 1006107.	0.7	0
579	Mechanical Properties of Epoxy/Thermoplastic Blends. , 2015, , 1-32.		0
580	Nickel ions removal from water by two different morphologies of induced CNTs in mullite pore channels as adsorptive membrane. Ceramics International, 2015, 41, 5464-5472.	2.3	30
581	Tribological behaviour and wear of carbon nanotubes grafted on carbon fibres. Composites Part A: Applied Science and Manufacturing, 2015, 71, 168-175.	3.8	18
582	Field electron emission enhancement of graphenated MWCNTs emitters following their decoration with Au nanoparticles by a pulsed laser ablation process. Nanotechnology, 2015, 26, 045706.	1.3	24
583	First-principles study on dielectric function of isolated and bundled carbon nanotubes. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 158, 78-83.	1.1	4
584	An approach for homogeneous carbon nanotube dispersion in Al matrix composites. Materials & Design, 2015, 72, 1-8.	5.1	159
585	Vertically aligned carbon nanotubes for sensing unidirectional fluid flow. Physica B: Condensed Matter, 2015, 465, 45-54.	1.3	6
586	Carbon nanotubes part I: preparation of a novel and versatile drug-delivery vehicle. Expert Opinion on Drug Delivery, 2015, 12, 1071-1087.	2.4	88
587	Cationically UV-Cured Epoxy Composites. Polymer Reviews, 2015, 55, 90-106.	5.3	33
588	The novel Elvaloy4170/functionalized multi-walled carbon nanotubes mixed matrix membranes: Fabrication, characterization and gas separation study. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 220-228.	2.7	46
589	Theoretical study of carbon double cones. European Physical Journal B, 2015, 88, 1.	0.6	4
590	Synthesis, Characterization, and ECAP Consolidation of Carbon Nanotube Reinforced AA 4032 Nanocrystalline Composites Produced by High Energy Ball Milling. Journal of Engineering Materials and Technology, Transactions of the ASME, 2015, 137, .	0.8	2
591	Toward safer multi-walled carbon nanotube design: Establishing a statistical model that relates surface charge and embryonic zebrafish mortality. Nanotoxicology, 2015, 10, 1-10.	1.6	25

#	Article	IF	CITATIONS
592	Crack Formation in Powder Metallurgy Carbon Nanotube (CNT)/Al Composites During Post Heat-Treatment. Jom, 2015, 67, 2887-2891.	0.9	8
593	Enhanced dispersion and electronic performance of single-walled carbon nanotube thin films without surfactant: A comprehensive study of various treatment processes. Carbon, 2015, 93, 1008-1020.	5.4	11
594	Synergistic effect of carbon nanotube and graphene on multifunctional properties of their polymer composites. , 2015, , 527-548.		0
595	A Colloidal Description of Intermolecular Interactions Driving Fibril–Fibril Aggregation of a Model Amphiphilic Peptide. Langmuir, 2015, 31, 7590-7600.	1.6	16
596	An in-depth review on the role of carbon nanostructures in dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 17914-17938.	5.2	99
597	Preparation and characterization of poly(ether imide) nanocomposites and nanocomposite foams. , 2015, , 61-85.		8
598	Application of multi-walled carbon nanotubes modified with boron oxide nanoparticles in electrochemistry. Ionics, 2015, 21, 3087-3095.	1.2	8
599	Multi-walled carbon nanotube induced frustrated phagocytosis, cytotoxicity and pro-inflammatory conditions in macrophages are length dependent and greater than that of asbestos. Toxicology in Vitro, 2015, 29, 1513-1528.	1.1	132
600	A Review on Properties and Fabrication Techniques of Polymer/Carbon Nanotube Composites and Polymer Intercalated Buckypapers. Polymer-Plastics Technology and Engineering, 2015, 54, 1524-1539.	1.9	22
601	Cationic Liposome- Multi-Walled Carbon Nanotubes Hybrids for Dual siPLK1 and Doxorubicin Delivery In Vitro. Pharmaceutical Research, 2015, 32, 3293-3308.	1.7	25
602	A novel ternary hybrid electromagnetic wave-absorbing composite based on BaFe11.92(LaNd)0.04O19-titanium dioxide/multiwalled carbon nanotubes/polythiophene. Composites Science and Technology, 2015, 117, 215-224.	3.8	52
603	Structure, volumetric adsorption method and electrochemical hydrogen storage properties of vanadium oxide nanotubes VOx-NTs. Journal of Alloys and Compounds, 2015, 648, 244-252.	2.8	20
604	Conductive and transparent films of oriented multi-walled carbon nanotubes by Langmuir–Schaefer method. Thin Solid Films, 2015, 589, 701-706.	0.8	12
605	Investigation of the Effect of Reaction Time, Weight Ratio, and Type of Catalyst on the Yield of Multi-Wall Carbon Nanotubes via Chemical Vapor Deposition of Acetylene. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 853-859.	1.0	1
606	Sensing Properties of Multiwalled Carbon Nanotubes Grown in MW Plasma Torch: Electronic and Electrochemical Behavior, Gas Sensing, Field Emission, IR Absorption. Sensors, 2015, 15, 2644-2661.	2.1	41
607	Surface composites by friction stir processing: A review. Journal of Materials Processing Technology, 2015, 224, 117-134.	3.1	432
608	Commercial single-walled carbon nanotubes effects in fibrinolysis of human umbilical vein endothelial cells. Toxicology in Vitro, 2015, 29, 1201-1214.	1.1	17
609	A general and efficient route to covalently surface modification of MWCNTs by dopamine and their synergistic reinforcing effects in chitosan films. Progress in Organic Coatings, 2015, 85, 131-137.	1.9	12

#	Article	IF	Citations
610	Study of MWCNTs adsorption performances in gas processes. Journal of CO2 Utilization, 2015, 10, 30-39.	3.3	34
611	Predictions of effective diffusivity of mixed matrix membranes with tubular fillers. Journal of Membrane Science, 2015, 485, 123-131.	4.1	17
612	Electrospun Cellulose Composite Nanofibers. , 2015, , 191-227.		8
613	Synthetic design and investigation of novel polymeric surfactants. Polymer, 2015, 72, 301-306.	1.8	7
614	Anisotropic terahertz response of stretch-aligned composite films based on carbon nanotube–SiC hybrid structures. RSC Advances, 2015, 5, 26985-26990.	1.7	5
615	Epoxidation of Multiâ€Walled Carbon Nanotubes by Organocatalytic Oxidation. European Journal of Organic Chemistry, 2015, 2015, 3063-3068.	1.2	10
616	Effect of oxygen plasma treatment on the mechanical properties of carbon nanotube fibers. Materials Letters, 2015, 156, 17-20.	1.3	42
617	Load transfer strengthening in carbon nanotubes reinforced metal matrix composites via in-situ tensile tests. Composites Science and Technology, 2015, 113, 1-8.	3.8	236
618	Simple preparation of CuFe ₂ O ₄ /C ₃ N ₄ composites: characterisation and enhanced photocatalysis. Materials Research Innovations, 2015, 19, 187-191.	1.0	19
619	Electrically Conductive Polypropylene Nanocomposites with Negative Permittivity at Low Carbon Nanotube Loading Levels. ACS Applied Materials & Interfaces, 2015, 7, 6125-6138.	4.0	153
620	Carbon Nanotubes for Dye-Sensitized Solar Cells. Small, 2015, 11, 2963-2989.	5.2	122
621	Human epithelial cells exposed to functionalized multiwalled carbon nanotubes: interactions and cell surface modifications. Journal of Microscopy, 2015, 259, 173-184.	0.8	11
622	Carbon nanotube induced microstructural characteristics in powder metallurgy Al matrix composites and their effects on mechanical and conductive properties. Journal of Alloys and Compounds, 2015, 651, 608-615.	2.8	60
623	Preparation and characterization of solution-processed MWCNT/Ag matrix composite films. , 2015, , .		1
624	Rapid and low temperature spark plasma sintering synthesis of novel carbon nanotube reinforced titanium matrix composites. Carbon, 2015, 95, 396-407.	5.4	162
625	Construction and electronic properties of carbon nanotube hybrids with conjugated cubic silsesquioxane. New Journal of Chemistry, 2015, 39, 8405-8415.	1.4	7
626	Diameter control of carbon nanotubes using argon–acetylene mixture and their application as IR sensor. Modern Physics Letters B, 2015, 29, 1550131.	1.0	1
627	Palladium decoration of hybrid carbon nanotubes/charcoal composite and its catalytic behavior in the hydrogenation of trans-cinnamaldehyde. Journal of Molecular Catalysis A, 2015, 410, 34-40.	4.8	17

#	Article	IF	CITATIONS
628	In situ growth of carbon nanotubes on Ni/MgO: a facile preparation of efficient catalysts for the production of synthetic natural gas from syngas. Chemical Communications, 2015, 51, 15720-15723.	2.2	13
629	Plasma Catalysis: Synergistic Effects at the Nanoscale. Chemical Reviews, 2015, 115, 13408-13446.	23.0	537
630	Performance of hybrid nanostructured conductive cotton materials as wearable devices: an overview of materials, fabrication, properties and applications. RSC Advances, 2015, 5, 107716-107770.	1.7	72
631	Preparation, characterization and properties of polycaprolactone diol-functionalized multi-walled carbon nanotube/thermoplastic polyurethane composite. Composites Part A: Applied Science and Manufacturing, 2015, 70, 8-15.	3.8	47
632	Inter-wall bridging induced peeling of multi-walled carbon nanotubes during tensile failure in aluminum matrix composites. Micron, 2015, 69, 1-5.	1.1	26
633	Dyeâ€Sensitized Solar Cell Counter Electrodes Based on Carbon Nanotubes. ChemPhysChem, 2015, 16, 53-65.	1.0	72
634	Recent developments in modifying polypropylene hollow fibers for sample preparation. TrAC - Trends in Analytical Chemistry, 2015, 64, 109-117.	5.8	23
635	Growth and characterization of diamond particles, diamond films, and CNT-diamond composite films deposited simultaneously by hot filament CVD. Journal of Materials Science, 2015, 50, 144-156.	1.7	9
636	Airflow resistance and bio-filtering performance of carbon nanotube filters and current facepiece respirators. Journal of Aerosol Science, 2015, 79, 61-71.	1.8	27
637	Carbon nanotube based biosensors. Sensors and Actuators B: Chemical, 2015, 207, 690-715.	4.0	407
638	Is It Worth the Effort to Reinforce Polymers with Carbon Nanotubes?. , 2015, , 207-232.		4
639	Nanoindentation in polymer nanocomposites. Progress in Materials Science, 2015, 67, 1-94.	16.0	306
640	Reinforcement of Multiwalled Carbon Nanotube in Nitrile Rubber: In Comparison with Carbon Black, Conductive Carbon Black, and Precipitated Silica. Journal of Nanomaterials, 2016, 2016, 1-8.	1.5	28
641	Carbon Nanomaterials Interfacing with Neurons: An In vivo Perspective. Frontiers in Neuroscience, 2016, 10, 250.	1.4	89
642	Tuning CNT Properties for Metal-Free Environmental Catalytic Applications. Journal of Carbon Research, 2016, 2, 17.	1.4	17
643	Recent Trends in Field-Effect Transistors-Based Immunosensors. Chemosensors, 2016, 4, 20.	1.8	78
644	Effects of Acoustic Modulation and Mixed Fuel on Flame Synthesis of Carbon Nanomaterials in an Atmospheric Environment. Materials, 2016, 9, 939.	1.3	4
645	Sintering Behaviors of Carbon Nanotubes—Aluminum Composite Powders. Metals, 2016, 6, 213.	1.0	24
#	Article	IF	CITATIONS
-----	--	-------------------	-------------------
647	XPS characterization of MWCNT and C ₆₀ -based composites. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 535-540.	1.0	8
648	Aramid–multiwalled carbon nanotube nanocomposites: effect of compatibilization through oligomer wrapping of the nanotubes. Polymer International, 2016, 65, 1204-1213.	1.6	4
649	Thermo-mechanical properties of carbon nanotubes and applications in thermal management. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2016, 7, 025017.	0.7	7
650	Chirality dependence of Single Wall Carbon nanotube based gas sensor. , 2016, , .		2
651	Radical scavenging properties of piperidine derivatives of fullerene C60/C70 and multi-walled carbon nanotubes. Molecular Crystals and Liquid Crystals, 2016, 640, 152-157.	0.4	3
652	Carbon nanotubes based lubricating oils for engines. , 2016, , .		2
653	Effect of carbon nanotube content and double-pressing double-sintering method on the tensile strength and bending strength behavior of carbon nanotube-reinforced aluminum composites. Journal of Materials Research, 2016, 31, 3860-3868.	1.2	5
655	Electromagnetic shielding and mechanical properties of thermally stable poly(ether) Tj ETQq1 1 0.784314 rgBT /0 with novel fractional mixing elements. RSC Advances, 2016, 6, 113781-113790.	Dverlock 1 1.7	0 Tf 50 467 25
656	Modeling of dynamic mechanical properties of polymer composites reinforced by one dimensional nanofillers. Journal of Applied Physics, 2016, 120, 175103.	1.1	11
657	Advanced catalyst design induced enhancement of multi-walled nanotube debundling and electrical conductivity of multi-walled nanotube/silicone composites. RSC Advances, 2016, 6, 48120-48128.	1.7	4
658	Nematic phase formation in suspensions of carbon nanotubes. Series in Sof Condensed Matter, 2016, , 775-796.	0.1	0
659	Highly purified CNTs: an exceedingly efficient catalyst support for PEM fuel cell. RSC Advances, 2016, 6, 32258-32271.	1.7	16
660	Nonlocal continuum-based modeling of mechanical characteristics of nanoscopic structures. Physics Reports, 2016, 638, 1-97.	10.3	140
661	Carbon nanotube/dendrimer hybrids as electrodes for supercapacitors. Journal of Solid State Electrochemistry, 2016, 20, 1991-2000.	1.2	8
662	Alternative mannosylation method for nanomaterials: application to oxidized debris-free multiwalled carbon nanotubes. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	10
663	Simple fabrication of heterojunction solar cells by utilizing carbon materials films. Surface and Coatings Technology, 2016, 306, 127-131.	2.2	2
664	Applications of Carbon Nanotubes in Bio-Nanotechnology. , 2016, , 379-408.		1
665	Delivery of Anticancer Molecules Using Carbon Nanotubes. , 2016, , 563-572.		0

#	Article	IF	CITATIONS
666	Synthesis and characterization of rubbery/glassy blend membranes for CO2/CH4 gas separation. Journal of Polymer Research, 2016, 23, 1.	1.2	32
667	Enhancing mechanical properties of clay aerogel composites: An overview. Composites Part B: Engineering, 2016, 98, 314-329.	5.9	61
668	Assessment of carbon nanotube yarns as reinforcement for composite overwrapped pressure vessels. Composites Part A: Applied Science and Manufacturing, 2016, 84, 256-265.	3.8	39
669	Spatiotemporally controllable acoustothermal heating and its application to disposable thermochromic displays. RSC Advances, 2016, 6, 33937-33944.	1.7	24
670	Role of interfacial interactions to control the extent of wrapping of polymer chains on multi-walled carbon nanotubes. RSC Advances, 2016, 6, 42334-42346.	1.7	10
671	Synthesis CNTs Particle Based Abrasive Media for Abrasive Flow Machining Process. IOP Conference Series: Materials Science and Engineering, 2016, 115, 012034.	0.3	0
672	Biotransformation of multi-walled carbon nanotubes mediated by nanomaterial resistant soil bacteria. Chemical Engineering Journal, 2016, 298, 1-9.	6.6	42
673	Preparation and characterization of sulfonated carbon nanotube/Nafion IPMC actuators. , 2016, , .		3
674	Enhancement of mechanical properties of nanohydrogels based on natural gum with functionalized multiwall carbon nanotube: Study of swelling and drug release. Polymer, 2016, 90, 282-289.	1.8	32
675	Magical Allotropes of Carbon: Prospects and Applications. Critical Reviews in Solid State and Materials Sciences, 2016, 41, 257-317.	6.8	167
676	Measuring methods for thermoelectric properties of one-dimensional nanostructural materials. RSC Advances, 2016, 6, 48933-48961.	1.7	14
677	Application of polyrhodanine modified multi-walled carbon nanotubes for high efficiency removal of Pb(II) from aqueous solution. Journal of Molecular Liquids, 2016, 220, 142-149.	2.3	76
678	Parametric investigation of CNT deposition on cement by CVD process. Construction and Building Materials, 2016, 113, 523-535.	3.2	28
679	Manufacture and evaluation of cup-stacked carbon nanofiber-modified screen printed electrodes as electrochemical tools. Journal of Electroanalytical Chemistry, 2016, 775, 129-134.	1.9	9
680	Highly Efficient and Predictable Noncovalent Dispersion of Single-Walled and Multi-Walled Carbon Nanotubes by Cellulose Nanocrystals. Journal of Physical Chemistry C, 2016, 120, 22694-22701.	1.5	48
681	Multifunctional iron oxide–carbon hybrid microrods. RSC Advances, 2016, 6, 98845-98853.	1.7	4
682	Recent Development of Carbon Nanotube Transparent Conductive Films. Chemical Reviews, 2016, 116, 13413-13453.	23.0	391
684	Microstructure and dry sliding wear behavior of Cu-Sn alloy reinforced with multiwalled carbon nanotubes. Transactions of Nonferrous Metals Society of China, 2016, 26, 1755-1764.	1.7	34

#	Article	IF	CITATIONS
685	Dispersion of Carbon Nanotubes for Application in Cement Composites. Procedia Engineering, 2016, 149, 94-99.	1.2	30
686	Synthesis, Classification, and Properties of Nanomaterials. , 2016, , 83-133.		20
687	CNTs based lubricating oils for UAZ 31512 engines. Micro and Nano Letters, 2016, 11, 636-639.	0.6	1
688	Nanotechnology to Remove Contaminants. Sustainable Agriculture Reviews, 2016, , 101-128.	0.6	2
689	Relationship between morphology and electrical properties in PP/MWCNT composites: Processing-induced anisotropic percolation threshold. Materials Chemistry and Physics, 2016, 180, 284-290.	2.0	27
691	Composites based on acrylic polymers and carbon nanotubes as precursors of carbon materials. Polymer Science - Series C, 2016, 58, 85-92.	0.8	2
692	Co-crystal engineering: a novel method to obtain one-dimensional (1D) carbon nanocrystals of corannulene–fullerene by a solution process. Nanoscale, 2016, 8, 14920-14924.	2.8	55
693	Lanthanum and Neodymium Doped Barium Ferrite-TiO2/MCNTs/poly(3-methyl thiophene) Composites with Nest Structures: Preparation, Characterization and Electromagnetic Microwave Absorption Properties. Scientific Reports, 2016, 6, 20496.	1.6	40
694	Field-Emission Characteristics of the Densified Carbon Nanotube Pillars Array. ECS Journal of Solid State Science and Technology, 2016, 5, M99-M103.	0.9	11
695	Carbon Nanotube TFTs. , 2016, , 1145-1183.		0
696	ITO Replacements: Carbon Nanotubes. , 2016, , 1235-1255.		1
697	Percutaneous penetration of anticancer agents: Past, present and future. Biomedicine and Pharmacotherapy, 2016, 84, 1428-1439.	2.5	11
698	Parameter analysis of carbon nanotube for high performance interconnects. , 2016, , .		0
699	Formation of carbon nanotubes on an amorphous Ni25Ta58N17 alloy film by chemical vapor deposition. Semiconductors, 2016, 50, 1748-1752.	0.2	1
700	High gain dual-band couple feed transparent THz antenna for satellite communications. , 2016, , .		5
701	A stochastic approach towards a predictive model on charge transport properties in carbon nanotube composites. Composites Part B: Engineering, 2016, 100, 56-67.	5.9	12
702	Local heating of molecular motors using single carbon nanotubes. Biophysical Reviews, 2016, 8, 25-32.	1.5	2
703	Toward carbon nanotube-based imaging agents for the clinic. Biomaterials, 2016, 101, 229-240.	5.7	47

#	Article	IF	CITATIONS
704	The influence of CNTs on the microstructure and ductility of CNT/Mg composites. Materials Letters, 2016, 181, 300-304.	1.3	59
705	Recent progress on carbon-based superconductors. Journal of Physics Condensed Matter, 2016, 28, 334001.	0.7	38
706	Highly Selective Photothermal Therapy by a Phenoxylatedâ€Dextranâ€Functionalized Smart Carbon Nanotube Platform. Advanced Healthcare Materials, 2016, 5, 1147-1156.	3.9	26
707	Admicellar Polymerization and Its Application in Textiles. Advances in Polymer Technology, 2016, 35, 307-325.	0.8	19
708	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.	1.5	26
709	Review on concrete nanotechnology. European Journal of Environmental and Civil Engineering, 2016, 20, 455-485.	1.0	146
710	Investigation of nonlinear l–V behavior of CNTs filled polymer composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 206, 55-60.	1.7	32
711	Field emission properties of graphenated multi-wall carbon nanotubes grown by plasma enhanced chemical vapour deposition. Carbon, 2016, 98, 259-266.	5.4	22
712	A versatile strategy to fabricate MOFs/carbon material integrations and their derivatives for enhanced electrocatalysis. RSC Advances, 2016, 6, 7728-7735.	1.7	28
713	Removal of Cadmium from Water by CNT–PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011.	0.5	41
713 714	Removal of Cadmium from Water by CNTâ€"PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011. Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299.	0.5	4 1 188
713 714 715	Removal of Cadmium from Water by CNTâ€"PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011. Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299. Charge Transfer Dynamics between Carbon Nanotubes and Hybrid Organic Metal Halide Perovskite Films. Journal of Physical Chemistry Letters, 2016, 7, 418-425.	0.5 2.6 2.1	41 188 83
713714715716	Removal of Cadmium from Water by CNTâ€"PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011. Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299. Charge Transfer Dynamics between Carbon Nanotubes and Hybrid Organic Metal Halide Perovskite Films. Journal of Physical Chemistry Letters, 2016, 7, 418-425. Conjugated fluorene-moiety-containing pendant polymers for the dispersion of single-wall carbon nanotubes: polymer wrapping abilities and electrical properties. Polymer Journal, 2016, 48, 421-429.	0.5 2.6 2.1 1.3	41 188 83 4
 713 714 715 716 717 	Removal of Cadmium from Water by CNT–PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011. Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299. Charge Transfer Dynamics between Carbon Nanotubes and Hybrid Organic Metal Halide Perovskite Films. Journal of Physical Chemistry Letters, 2016, 7, 418-425. Conjugated fluorene-moiety-containing pendant polymers for the dispersion of single-wall carbon nanotubes: polymer wrapping abilities and electrical properties. Polymer Journal, 2016, 48, 421-429. Influence of TiO2 phase composition on the photocatalytic activity of TiO2/MWCNT composites prepared by combined sol〓gel/hydrothermal method. Journal of Molecular Catalysis A, 2016, 414, 140-147.	0.5 2.6 2.1 1.3 4.8	41 188 83 4 31
 713 714 715 716 717 718 	Removal of Cadmium from Water by CNTâ€"PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011. Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299. Charge Transfer Dynamics between Carbon Nanotubes and Hybrid Organic Metal Halide Perovskite Films. Journal of Physical Chemistry Letters, 2016, 7, 418-425. Conjugated fluorene-moiety-containing pendant polymers for the dispersion of single-wall carbon nanotubes: polymer wrapping abilities and electrical properties. Polymer Journal, 2016, 48, 421-429. Influence of TiO2 phase composition on the photocatalytic activity of TiO2/MWCNT composites prepared by combined sol†gel/hydrothermal method. Journal of Molecular Catalysis A, 2016, 414, 140-147. Highly efficient antireflective and self-cleaning coatings that incorporate carbon nanotubes (CNTs) into solar cells: A review. Renewable and Sustainable Energy Reviews, 2016, 59, 620-635.	0.5 2.6 2.1 1.3 4.8 8.2	 41 188 83 4 31 91
 713 714 715 716 717 718 719 	Removal of Cadmium from Water by CNTâ€"PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011. Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299. Charge Transfer Dynamics between Carbon Nanotubes and Hybrid Organic Metal Halide Perovskite Films. Journal of Physical Chemistry Letters, 2016, 7, 418-425. Conjugated fluorene-moiety-containing pendant polymers for the dispersion of single-wall carbon nanotubes: polymer wrapping abilities and electrical properties. Polymer Journal, 2016, 48, 421-429. Influence of TiO2 phase composition on the photocatalytic activity of TiO2/MWCNT composites prepared by combined solã€"gel/hydrothermal method. Journal of Molecular Catalysis A, 2016, 414, 140-147. Highly efficient antireflective and self-cleaning coatings that incorporate carbon nanotubes (CNTs) into solar cells: A review. Renewable and Sustainable Energy Reviews, 2016, 59, 620-635. Superlubricity of nanodiamonds glycerol colloidal solution between steel surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 400-406.	0.5 2.6 2.1 1.3 4.8 8.2 2.3	 41 188 83 4 31 91 43
 713 714 715 716 717 718 719 720 	Removal of Cadmium from Water by CNTâ€"PAC Composite: Effect of Functionalization. Nano, 2016, 11, 1650011. Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299. Charge Transfer Dynamics between Carbon Nanotubes and Hybrid Organic Metal Halide Perovskite Films. Journal of Physical Chemistry Letters, 2016, 7, 418-425. Conjugated fluorene-moiety-containing pendant polymers for the dispersion of single-wall carbon nanotubes: polymer wrapping abilities and electrical properties. Polymer Journal, 2016, 48, 421-429. Influence of TiO2 phase composition on the photocatalytic activity of TiO2/MWCNT composites prepared by combined solã€ ⁴ gel/hydrothermal method. Journal of Molecular Catalysis A, 2016, 414, 140-147. Highly efficient antireflective and self-cleaning coatings that incorporate carbon nanotubes (CNTs) into solar cells: A review. Renewable and Sustainable Energy Reviews, 2016, 59, 620-635. Superlubricity of nanodiamonds glycerol colloidal solution between steel surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 400-406. Simultaneously enhancing strength and ductility of carbon nanotube/aluminum composites by improving bonding conditions. Scripta Materialia, 2016, 113, 158-162.	0.5 2.6 2.1 1.3 4.8 8.2 2.3 2.6	 41 188 83 4 31 91 43 183

#	Article	IF	CITATIONS
722	Raman and tip-enhanced Raman scattering spectroscopy studies of polymer nanocomposites. , 2016, , 88-111.		2
723	Decoration of gold nanoparticles on thin multiwall carbon nanotubes and their use as a glucose sensor. Materials Research Express, 2016, 3, 035008.	0.8	4
724	Feasibility of Carbon Nanofiber Catalyst Support for the Heterogeneous Fenton Process. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	4
725	Immunoassay for troponin I using a glassy carbon electrode modified with a hybrid film consisting of graphene and multiwalled carbon nanotubes and decorated with platinum nanoparticles. Mikrochimica Acta, 2016, 183, 1375-1384.	2.5	29
726	Development of multiwalled carbon nanotubes platinum nanocomposite as efficient PEM fuel cell catalyst. Materials for Renewable and Sustainable Energy, 2016, 5, 1.	1.5	27
727	Nickel cluster functionalised carbon nanotube for CO molecule detection: a theoretical study. Molecular Physics, 2016, 114, 671-680.	0.8	8
728	Structure, Synthesis, and Application ofÂNanoparticles. , 2016, , 19-76.		12
729	Nano-Bioelectronics. Chemical Reviews, 2016, 116, 215-257.	23.0	530
730	Recent developments in the layer-by-layer assembly of polyaniline and carbon nanomaterials for energy storage and sensing applications. From synthetic aspects to structural and functional characterization. Nanoscale, 2016, 8, 9890-9918.	2.8	74
731	Removal of Oxidation Fragments from Multi-walled Carbon Nanotubes Oxide Using High and Low Concentrations of Sodium Hydroxide. Arabian Journal for Science and Engineering, 2016, 41, 2211-2220.	1.1	13
732	Attributes of Polymer and Silica Nanoparticle Composites: A Review. Polymer-Plastics Technology and Engineering, 2016, 55, 826-861.	1.9	32
733	Enhanced interfacial interaction for effective reinforcement of chitosan nanocomposites at different loading of modified multiwalled carbon nanotubes with vitamin C. Journal of Elastomers and Plastics, 2016, 48, 600-613.	0.7	7
734	Cure cycle optimization for the resin infusion technique using carbon nanotube additives. Carbon, 2016, 96, 1043-1052.	5.4	17
735	Fabrication of a graphene-based pressure sensor by utilising field emission behavior of carbon nanotubes. Carbon, 2016, 96, 259-267.	5.4	31
736	A review of exposure and toxicological aspects of carbon nanotubes, and as additives to fire retardants in polymers. Critical Reviews in Toxicology, 2016, 46, 74-95.	1.9	11
737	Polymer nanocomposites for structural applications: Recent trends and new perspectives. Mechanics of Advanced Materials and Structures, 2016, 23, 1263-1277.	1.5	47
738	Mechanisms governing the tensile, fatigue, and wear behavior of carbon nanotube reinforced aluminum alloy. Mechanics of Advanced Materials and Structures, 2016, 23, 917-925.	1.5	21
739	<i>p</i> -Amino phenol immobilized on multi-walled carbon nanotubes for the preparation of chitosan nanocomposites. Journal of Composite Materials, 2016, 50, 403-411.	1.2	6

#	Article	IF	CITATIONS
740	Adsorption Kinetics Emulation With Lattice Gas Cellular Automata. Heat Transfer Engineering, 2017, 38, 409-416.	1.2	3
741	Preparation and characterization of polyaniline, multiwall carbon nanotubes, and starch bionanocomposite material for potential bioanalytical applications. Polymer Composites, 2017, 38, 496-506.	2.3	20
742	Transmission electron microscopy characterization of different nanotubes. Inorganic and Nano-Metal Chemistry, 2017, 47, 197-201.	0.9	12
743	Continuous synthesis of well-crystalline VACNTs using CVD method for engineering applications. Materials Research Innovations, 2017, 21, 379-385.	1.0	0
744	Dermal/transdermal delivery of small interfering RNA and antisense oligonucleotides- advances and hurdles. Biomedicine and Pharmacotherapy, 2017, 87, 311-320.	2.5	17
745	Coupled Cluster Studies of Ionization Potentials and Electron Affinities of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry A, 2017, 121, 1328-1335.	1.1	9
746	Carbon Nanotube Field-Effect Transistor for DNA Sensing. Journal of Electronic Materials, 2017, 46, 3507-3511.	1.0	22
747	Photoelectroenzymatic Oxyfunctionalization on Flavin-Hybridized Carbon Nanotube Electrode Platform. ACS Catalysis, 2017, 7, 1563-1567.	5.5	55
748	Transparent Carbon Nanotubes (CNTs) as Antireflection and Self-cleaning Solar Cell Coating. Topics in Mining, Metallurgy and Materials Engineering, 2017, , 101-114.	1.4	7
749	Schiff Base-Functionalized Multi Walled Carbon Nano Tubes to Immobilization of Palladium Nanoparticles as Heterogeneous and Recyclable Nanocatalyst for Suzuki Reaction in Aqueous Media Under Mild Conditions. Catalysis Letters, 2017, 147, 976-986.	1.4	34
750	Effect of ball-milling time on mechanical and magnetic properties of carbon nanotube reinforced FeCo alloy composites. Materials and Design, 2017, 122, 296-306.	3.3	40
751	Comparative study on doping of polyaniline with graphene and multi-walled carbon nanotubes. Journal of Nanostructure in Chemistry, 2017, 7, 75-83.	5.3	71
752	Effect of Spark-Plasma-Sintering Conditions on Tensile Properties of Aluminum Matrix Composites Reinforced with Multiwalled Carbon Nanotubes (MWCNTs). Jom, 2017, 69, 669-675.	0.9	19
753	Adsorption Patterns of Helium on Carbon and Cellulose Nanotubes: Molecular Dynamics Simulations. Nano, 2017, 12, 1750036.	0.5	0
754	Nanopackaging in Food and Electronics. Sustainable Agriculture Reviews, 2017, , 45-97.	0.6	11
755	Electronic study of carbon nanotube (6,0) doped with transition metals: Copper, silver and gold. Journal of Computational Methods in Sciences and Engineering, 2017, 17, 71-79.	0.1	0
756	Nanotechnology-based filters for cost-effective drinking water purification in developing countries. , 2017, , 169-208.		0
758	Dispersion of Single-Walled Carbon Nanotubes with Oligo(p-phenylene ethynylene)s: A DFT Study. Journal of Physical Chemistry C, 2017, 121, 4692-4702.	1.5	9

#	Article	IF	CITATIONS
759	Improving the affinity of silicon surface for biosensor application: The interaction between multiwall carbon nanotube (MWCNT) and chitosan (CS). AIP Conference Proceedings, 2017, , .	0.3	0
760	Novel synthesizing and characterization of copper matrix composites reinforced with carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 696, 80-89.	2.6	86
762	Cul heterogenized on thiosemicarbazide modifiedâ€multi walled carbon nanotubes (thiosemicarbazideâ€MWCNTsâ€Cul): Novel heterogeneous and reusable nanocatalyst in the Câ€N Ullmann coupling reactions. Applied Organometallic Chemistry, 2017, 31, e3676.	1.7	25
763	Improving the mechanical performance of cement composites by carbon nanotubes addition. Procedia Structural Integrity, 2017, 3, 11-17.	0.3	52
764	Construction of molecule-selective mixed matrix membranes with confined mass transfer structure. Chinese Journal of Chemical Engineering, 2017, 25, 1563-1580.	1.7	27
765	Gas phase infiltration of carbon nanotubes in Ni Nanofoam via liquid injection chemical vapor deposition. Diamond and Related Materials, 2017, 77, 92-96.	1.8	0
766	Sensitive warfarin sensor based on cobalt oxide nanoparticles electrodeposited at multi-walled carbon nanotubes modified glassy carbon electrode (CoxOyNPs/MWCNTs/GCE). Electrochimica Acta, 2017, 246, 689-698.	2.6	20
768	Application of common nano-materials for removal of selected metallic species from water and wastewaters: A critical review. Journal of Molecular Liquids, 2017, 240, 656-677.	2.3	96
769	Pt-Decorated MWCNTs–Ionic Liquid Composite-Based Hydrogen Peroxide Sensor To Study Microbial Metabolism Using Scanning Electrochemical Microscopy. Analytical Chemistry, 2017, 89, 7709-7718.	3.2	36
770	Curvature dependence of single-walled carbon nanotubes for SO 2 adsorption and oxidation. Applied Surface Science, 2017, 404, 364-369.	3.1	23
771	Solid-state interfacial reaction and load transfer efficiency in carbon nanotubes (CNTs)-reinforced aluminum matrix composites. Carbon, 2017, 114, 198-208.	5.4	302
772	Optimization of a procedure for the simultaneous extraction of polycyclic aromatic hydrocarbons and metal ions by functionalized and non-functionalized carbon nanotubes as effective sorbents. Talanta, 2017, 165, 405-411.	2.9	37
773	Effective enhancement of gas separation performance in mixed matrix membranes using core/shell structured multi-walled carbon nanotube/graphene oxide nanoribbons. Nanotechnology, 2017, 28, 065702.	1.3	40
774	Effectively enhanced load transfer by interfacial reactions in multi-walled carbon nanotube reinforced Al matrix composites. Acta Materialia, 2017, 125, 369-376.	3.8	271
775	Towards highly stable aqueous dispersions of multi-walled carbon nanotubes: the effect of oxygen plasma functionalization. Journal of Colloid and Interface Science, 2017, 491, 255-264.	5.0	66
776	Thermally Stable and Electrically Conductive, Vertically Aligned Carbon Nanotube/Silicon Infiltrated Composite Structures for High-Temperature Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 37340-37349.	4.0	14
777	DFT investigation of the interaction between single-walled carbon nanotubes and fluorene-based conjugated oligomers. Physical Chemistry Chemical Physics, 2017, 19, 28071-28082.	1.3	7
778	A shape memory polyurethane based ionic polymer–carbon nanotube composite. RSC Advances, 2017, 7, 46221-46228.	1.7	5

	CITATION	Report	
#	Article	IF	Citations
779	Carbon Nanotubes as Thermally Induced Water Pumps. ACS Nano, 2017, 11, 9997-10002.	7.3	51
780	Modified Cathodes with Carbon-Based Nanomaterials for Electro-Fenton Process. Handbook of Environmental Chemistry, 2017, , 111-143.	0.2	4
781	Repair Mortars Incorporating Multiwalled Carbon Nanotubes: Shrinkage and Sodium Sulfate Attack. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	34
782	Counter electrodes in dye-sensitized solar cells. Chemical Society Reviews, 2017, 46, 5975-6023.	18.7	609
783	Different methodologies for synthesis of nitrogen doped carbon nanotubes and their use in catalytic wet air oxidation. Applied Catalysis A: General, 2017, 548, 62-70.	2.2	39
784	Modeling the Self-Assembly of Bolaamphiphiles under Nanoconfinement by Coarse-Grained Molecular Dynamics. Journal of Physical Chemistry B, 2017, 121, 8984-8990.	1.2	5
785	SOX9 Regulates Cancer Stem-Like Properties and Metastatic Potential of Single-Walled Carbon Nanotube-Exposed Cells. Scientific Reports, 2017, 7, 11653.	1.6	23
786	Nanoindentation and wear behaviour of copper based hybrid composites reinforced with SiC and MWCNTs synthesized by spark plasma sintering. Vacuum, 2017, 145, 320-333.	1.6	48
787	Length effect of carbon nanotubes on the strengthening mechanisms in metal matrix composites. Acta Materialia, 2017, 140, 317-325.	3.8	352
788	Carbon nanotubes in microfluidic lab-on-a-chip technology: current trends and future perspectives. Microfluidics and Nanofluidics, 2017, 21, 1.	1.0	36
789	Copper-catalyzed direct amination of the superficial graphenic domains of multi-walled carbon nanotubes. Catalysis Science and Technology, 2017, 7, 3361-3374.	2.1	9
790	Damping characteristics of Al matrix composite foams reinforced by in-situ grown carbon nanotubes. Materials Letters, 2017, 209, 68-70.	1.3	35
791	Observation of magnetism in La _{0.7} Sr _{0.3} MnO ₃ —graphene nanoribbons complex: a probable magnetoelectronic material study. Materials Research Express, 2017, 4, 075050.	0.8	3
792	Compelling mechanical properties of carbon nanotubes reinforced pure magnesium composite by effective interface bonding of Mg2Ni. Journal of Alloys and Compounds, 2017, 727, 963-969.	2.8	20
793	Encapsulation of cellulose chain into carbon nanotubes and boron nitride nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 646-651.	1.0	7
794	Aligned carbon nanotube field effect transistors by repeated compression-expansion cycles in Langmuir-Blodgett. , 2017, , .		8
795	Research on both the encapsulation process and the dynamical behaviors of the H ₈ Si ₈ O ₁₂ molecule inside single-walled carbon nanotubes. Materials Research Express, 2017, 4, 105035.	0.8	0
796	Carbon nanotubes based vacuum gauge. Journal of Physics: Conference Series, 2017, 917, 082008.	0.3	15

#	Article	IF	CITATIONS
797	Carbon Nanotube-Doped Adhesive Films for Detecting Crack Propagation on Bonded Joints: A Deeper Understanding of Anomalous Behaviors. ACS Applied Materials & Interfaces, 2017, 9, 43267-43274.	4.0	18
798	Single wall carbon nanotubes dispersion study of different dye molecules and chitosan. AIP Conference Proceedings, 2017, , .	0.3	0
799	Inducing structural defects in multi-walled carbon nanotubes by biological oxidation. Materials Today: Proceedings, 2017, 4, 8788-8791.	0.9	0
800	Fullerene-Clad Ultra-Long Carbon Nanotubes. Materials Today: Proceedings, 2017, 4, 11534-11537.	0.9	Ο
801	Transition of carbon nanostructures in heptane diffusion flames. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	6
802	Carbon materials for enhancing charge transport in the advancements of perovskite solar cells. Journal of Power Sources, 2017, 361, 259-275.	4.0	66
803	Rapid in-situ reaction synthesis of novel TiC and carbon nanotubes reinforced titanium matrix composites. Journal of Materials Science and Technology, 2017, 33, 1165-1171.	5.6	41
804	Fluorination of Carbon Nanotubes â^' A Review. Journal of Fluorine Chemistry, 2017, 200, 179-189.	0.9	65
805	Co-production of hydrogen and carbon nanotube-silica fiber composites from ethanol steam reforming over an Ni-silica fiber catalyst. Monatshefte Für Chemie, 2017, 148, 1311-1321.	0.9	9
806	The peculiar behavior of functionalized carbon nanotubes in hydrocarbons and polymeric oxidation environments. Journal of Adhesion Science and Technology, 2017, 31, 988-1006.	1.4	5
807	Significance of Carbon Nanotube in Flame-Retardant Polymer/CNT Composite: A Review. Polymer-Plastics Technology and Engineering, 2017, 56, 470-487.	1.9	34
808	Electromagnetic Interference Shielding of Polymer/Nanodiamond, Polymer/Carbon Nanotube, and Polymer/Nanodiamond–Carbon Nanotube Nanobifiller Composite: A Review. Polymer-Plastics Technology and Engineering, 2017, 56, 347-363.	1.9	23
809	Chemically grafted of single-walled carbon nanotubes onto a functionalized silicon surface. Journal of Alloys and Compounds, 2017, 694, 1036-1044.	2.8	9
810	Massive dielectric properties enhancement of MWCNTs/CoFe 2 O 4 nanohybrid for super capacitor applications. Journal of Magnetism and Magnetic Materials, 2017, 424, 382-387.	1.0	19
811	An ultrasensitive amperometric immunosensor for zearalenones based on oriented antibody immobilization on a glassy carbon electrode modified with MWCNTs and AuPt nanoparticles. Mikrochimica Acta, 2017, 184, 147-153.	2.5	67
812	Polyamide/Carbon Nanoparticles Nanocomposites: A Review. Polymer Engineering and Science, 2017, 57, 475-494.	1.5	45
813	Design considerations of CMOS micro-heaters to directly synthesize carbon nanotubes for gas sensing applications. , 2017, , .		4
814	Carbon nanotube: A review on its mechanical properties and application in aerospace industry. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012027.	0.3	7

# 815	ARTICLE Present Advancement in Production of Carbon Nanotubes and Their Derivatives from Industrial Waste with Promising Applications. KONA Powder and Particle Journal, 2017, 34, 24-43.	IF 0.9	CITATIONS
816	Calculating optical transition energies in semiconducting zigzag SWCNTs. , 2017, , .		2
817	Hybrid carbon nanotube/fiber thermoplastic composites. , 2017, , 169-201.		3
818	Ice as a Green-Structure-Directing Agent in the Synthesis of Macroporous MWCNTs and Chondroitin Sulphate Composites. Materials, 2017, 10, 355.	1.3	5
819	Nanocomposites for Machining Tools. Materials, 2017, 10, 1171.	1.3	7
820	Conductive Cotton Filters for Affordable and Efficient Water Purification. Catalysts, 2017, 7, 291.	1.6	9
821	Carbon Nanotube-Based Nanomechanical Sensor: Theoretical Analysis of Mechanical and Vibrational Properties. Electronics (Switzerland), 2017, 6, 56.	1.8	17
822	A Method for Determination of Metals in Hybrid Metal Oxide/Metal-Carbon Nanotubes Catalysts. Journal of Chemistry, 2017, 2017, 1-6.	0.9	2
823	Structural Derivative and Electronic Property of Armchair Carbon Nanotubes from Carbon Clusters. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	6
824	Sengon wood (Paraserianthes falcataria (L.) Nielsen) carbon as supporting material for electrochemical double layer capasitor. IOP Conference Series: Materials Science and Engineering, 2017, 223, 012047.	0.3	1
825	Dispersion of Single-Walled Carbon Nanotubes in Ketone Solvents and Effects of Sonication. International Journal of the Society of Materials Engineering for Resources, 2017, 22, 20-24.	0.1	0
826	Micro- and Nanomechanics of PU Polymer-Based Composites and Nanocomposites. , 2017, , 21-71.		1
827	Novel functionalized multiwalled carbon nanotube-glassy carbon electrode for simultaneous determination of ascorbic acid and uric acid. Arabian Journal of Chemistry, 2018, 11, 214-220.	2.3	11
828	Thermal properties of lauric acid filled in carbon nanotubes as shape-stabilized phase change materials. Physical Chemistry Chemical Physics, 2018, 20, 7772-7780.	1.3	53
829	Carbon nanotubes or carbon globules: Optimization of the pyrolytic synthesis parameters and study of the magnetic properties. Nano Structures Nano Objects, 2018, 14, 131-137.	1.9	26
830	Release and extraction of letrozole in blood plasma using resorcinol functionalized multi-walled carbon nanotube coupled with high-performance liquid chromatography. Journal of Liquid Chromatography and Related Technologies, 2018, 41, 239-245.	0.5	7
831	Graphene/Semiconductor Hybrid Heterostructures for Optoelectronic Device Applications. Nano Today, 2018, 19, 41-83.	6.2	172
832	Electrospun Nanocomposite Nanofibres With Magnetic Nanoparticle Decorated Carbon Nanotubes. Macromolecular Symposia, 2018, 378, 1600140.	0.4	4

#	Article	IF	CITATIONS
833	Study on frictional behavior of carbon nanotube thin films with respect to surface condition. Friction, 2018, 6, 432-442.	3.4	10
834	Low temperature synthesis of coiled carbon nanotubes and their magnetic properties. AIP Conference Proceedings, 2018, , .	0.3	1
835	Beading of Co 1-x Zn x Fe 2 O 4 nanoparticles on MWCNTs. synthesis characterization, effect of Zn-substitution and dye removal capability. Materials Chemistry and Physics, 2018, 213, 220-230.	2.0	6
836	Effects of carbon additives on the properties of ZrB2–based composites: A review. Ceramics International, 2018, 44, 7334-7348.	2.3	177
837	Improved stability of multicopper oxidase–carbon nanotube conjugates using a thermophilic laccase. Catalysis Science and Technology, 2018, 8, 1272-1276.	2.1	11
838	Effects of cell irregularity on the thermal conductivity of carbon honeycombs. Carbon, 2018, 131, 127-136.	5.4	19
839	Non-linear thermogravimetric mass spectrometry of carbon materials providing direct speciation separation of oxygen functional groups. Carbon, 2018, 130, 614-622.	5.4	54
840	High temperature growth of single-walled carbon nanotubes with a narrow chirality distribution by tip-growth mode. Chemical Engineering Journal, 2018, 341, 344-350.	6.6	23
841	Strengthening behavior of carbon nanotube-graphene hybrids in copper matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 718, 427-436.	2.6	75
842	Preparation and characterization of silica/carbon nanocomposites for a thermoelectric application. Materials Research Express, 2018, 5, 085023.	0.8	2
843	Scaled-up process for producing longer carbon nanotubes and carbon cotton by macro-spools. Diamond and Related Materials, 2018, 83, 15-20.	1.8	18
844	Cardiac Tissue Engineering on the Nanoscale. ACS Biomaterials Science and Engineering, 2018, 4, 800-818.	2.6	83
845	Synthesis of hollow carbon nanoshells and their application for supercapacitors. Physics of the Solid State, 2018, 60, 167-172.	0.2	5
846	Design of Supercapacitor Electrodes Using Molecular Dynamics Simulations. Nano-Micro Letters, 2018, 10, 33.	14.4	73
847	Carbon nanostructure based mechano-nanofluidics. Journal of Micromechanics and Microengineering, 2018, 28, 033001.	1.5	8
848	Sn/MWCNT Nanocomposites Fabricated by Ultrasonic Dispersion of Ni-Coated MWCNTs in Molten Tin. Journal of Electronic Materials, 2018, 47, 2366-2373.	1.0	1
849	Microstructures and electrical properties of V2O5and carbon-nanofiber composites fabricated by cold sintering process. Japanese Journal of Applied Physics, 2018, 57, 025702.	0.8	15
850	EDTA-modified PANI/SWNTs nanocomposite for differential pulse voltammetry based determination of Cu(II) ions. Sensors and Actuators B: Chemical, 2018, 260, 331-338.	4.0	104

#	Article	IF	CITATIONS
851	On modeling and analysis of effective properties of Carbon Nanotubes Reinforced Materials. Composite Structures, 2018, 189, 718-727.	3.1	6
852	Enhanced interfacial bonding and mechanical properties in CNT/Al composites fabricated by flake powder metallurgy. Carbon, 2018, 130, 333-339.	5.4	129
853	Vacancy and curvature effects on the phonon properties of single wall carbon nanotube. Japanese Journal of Applied Physics, 2018, 57, 02CB08.	0.8	9
854	Structural and electronic properties of nitrogenated holey nanotubes: A density functional theory study. Diamond and Related Materials, 2018, 82, 96-101.	1.8	12
855	Synthesis and characterization of long-CNTs by electrical arc discharge in deionized water and NaCl solution. International Nano Letters, 2018, 8, 19-23.	2.3	29
856	A nonlocal continuum model for the buckling of carbon honeycombs. Meccanica, 2018, 53, 2999-3013.	1.2	7
857	Novel soluble carbazoleâ€based poly(aryl ethers): Preparation, properties, and application for dispersing multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2018, 135, 46250.	1.3	2
858	Preparation and characterization of MWCNT-TEPA/polyurethane nanocomposite membranes for CO2/CH4 separation: Experimental and modeling. Chemical Engineering Research and Design, 2018, 133, 222-234.	2.7	19
859	Carbon and non-carbon support materials for platinum-based catalysts in fuel cells. International Journal of Hydrogen Energy, 2018, 43, 7823-7854.	3.8	210
860	Silanization of multi-walled carbon nanotubes and the study of its effects on the properties of polyurethane rigid foam nanocomposites. Composites Part A: Applied Science and Manufacturing, 2018, 109, 338-344.	3.8	50
861	Multiwalled carbon nanotube modified microfluidic-based biosensor chip for nucleic acid detection. Sensors and Actuators B: Chemical, 2018, 266, 329-336.	4.0	49
862	Hydrogen storage by Ni-doped silicon carbide nanocage: A theoretical study. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 101, 78-84.	1.3	41
863	Nanopatterns of Phospholipid Assemblies on Carbon Nanotubes: A Molecular Dynamics Simulation Study. Journal of Physical Chemistry C, 2018, 122, 7455-7463.	1.5	4
864	Behaviour of reinforced concrete beams with multiwall carbon nanotubes under monotonic loading. European Journal of Environmental and Civil Engineering, 2018, 22, 1111-1130.	1.0	9
865	Thermal radiation energy due to SWCNTs on MHD nanofluid flow in the presence of seawater/water: Lie group transformation. Ain Shams Engineering Journal, 2018, 9, 953-963.	3.5	14
866	High-speed cryogenic machining of the carbon nanotube reinforced nanocomposites: Finite element analysis and simulation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2018, 232, 1927-1936.	1.1	21
867	Development of nanocomposite coatings with improved mechanical, thermal, and corrosion protection properties. Journal of Composite Materials, 2018, 52, 1045-1060.	1.2	13
868	Insight into the high-efficient functionalization of carbon nanotubes by advanced oxidation using peroxomonosulfate. Microporous and Mesoporous Materials, 2018, 260, 24-29.	2.2	7

	CHATION	REPORT	
#	Article	IF	CITATIONS
869	Carbon Nanotube as a Tool for Fighting Cancer. Bioconjugate Chemistry, 2018, 29, 709-718.	1.8	45
870	Carbon nanotubes as a unique agent to fabricate nanoceramic/metal composite powders for additive manufacturing. Materials and Design, 2018, 137, 276-285.	3.3	60
871	Ink-jet printed transparent and flexible electrodes based on silver nanoparticles. Journal of Materials Science: Materials in Electronics, 2018, 29, 49-55.	1,1	13
872	Designer carbon nanotubes for contaminant removal in water and wastewater: A critical review. Science of the Total Environment, 2018, 612, 561-581.	3.9	237
873	From blackness to invisibility – Carbon nanotubes role in the attenuation of and shielding from radio waves for stealth technology. Carbon, 2018, 126, 31-52.	5.4	114
874	3.23 Polymer Matrix Composite Thermal Materials. , 2018, , 592-612.		0
875	Modeling the transport of sodium dodecyl benzene sulfonate in riverine sediment in the presence of multi-walled carbon nanotubes. Water Research, 2018, 129, 20-28.	5.3	84
876	Raman spectroscopy revealing noble gas adsorption on single-walled carbon nanotube bundles. Carbon, 2018, 127, 312-319.	5.4	26
877	Recent advances in signal amplification strategy based on oligonucleotide and nanomaterials for microRNA detection-a review. Biosensors and Bioelectronics, 2018, 99, 612-624.	5.3	220
878	Additive Manufacturing of a CNT/Al6Si Composite with the Nanolaminated Architecture via Cold Spray Deposition. Materials Science Forum, 2018, 941, 2173-2177.	0.3	1
879	Physical/Chemical Reactions in Landfills. , 2018, , 117-138.		0
880	Analysing thermophoretic transport of water for designing nanoscale-pumps. Physical Chemistry Chemical Physics, 2018, 20, 30321-30330.	1.3	11
881	Carbon nanotubes by continuous growth, pulling and harvesting into big spools. Materials Today: Proceedings, 2018, 5, 25951-25955.	0.9	2
882	Nanocomposite of polycrystalline silicon and carbon nanotubes for micro- and nanomechanical systems. Journal of Physics: Conference Series, 2018, 1135, 012032.	0.3	0
883	High Gain Dual-band Low-frequency Scaled Transparent THz Antenna for Satellite Systems. , 2018, , .		0
884	Bioactive Carbon-Based Hybrid 3D Scaffolds for Osteoblast Growth. ACS Applied Materials & Interfaces, 2018, 10, 43874-43886.	4.0	32
885	Dispersing Carbon Nanotubes in Water with Amphiphiles: Dispersant Adsorption, Kinetics, and Bundle Size Distribution as Defining Factors. Journal of Physical Chemistry C, 2018, 122, 24386-24393.	1.5	19
886	The Reduction Temperature Effect of Fe–Co/MgO Catalyst on Characteristics of Multi-Walled Carbon Nanotubes. Catalysts, 2018, 8, 361.	1.6	4

#	Article	IF	CITATIONS
887	Study of Carbon-Nanotube-Composite Papers Aiming to Materialize "Paper Antenna―for IoT. E-Journal of Surface Science and Nanotechnology, 2018, 16, 274-278.	0.1	2
888	Effect of carbon nano-tubes and dispersions of SiC and Al2O3 on the mechanical andÂphysical properties of copper-nickel alloy. Heliyon, 2018, 4, e00876.	1.4	8
889	Evaluation of Different Oxidizing Agents on Effective Covalent Functionalization of Multiwalled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 846-850.	1.0	18
890	Influence of seawater ageing on the mechanical and damage self-sensing capability of glass fiber-MWCNT/epoxy laminates subjected to flexural loading by means of the electrical resistance approach. Smart Materials and Structures, 2018, 27, 125002.	1.8	16
891	Prospecting the interactions of nanoparticles with beneficial microorganisms for developing green technologies for agriculture. Environmental Nanotechnology, Monitoring and Management, 2018, 10, 477-485.	1.7	26
892	CuO@NiO/Polyaniline/MWCNT Nanocomposite as High-Performance Electrode for Supercapacitor. Journal of Physical Chemistry C, 2018, 122, 27180-27190.	1.5	104
893	Development of bonded joints using novel CNT doped adhesive films: Mechanical and electrical properties. International Journal of Adhesion and Adhesives, 2018, 86, 98-104.	1.4	18
895	A Theoretical Model of Laser Heating Carbon Nanotubes. Nanomaterials, 2018, 8, 580.	1.9	14
896	Facile preparation of functionalized carbon nanotubes with tannins through mussel-inspired chemistry and their application in removal of methylene blue. Journal of Molecular Liquids, 2018, 271, 246-253.	2.3	55
897	The role of the solvent and the size of the nanotube in the non-covalent dispersion of carbon nanotubes with short organic oligomers – a DFT study. RSC Advances, 2018, 8, 30520-30529.	1.7	11
898	Stability and Reliability of an Electrical Device Employing Highly Crystalline Single-Walled Carbon Nanotubes as a Field Emitter. , 0, , .		0
899	Effects of carbon nanotubes on twin and texture evolution of magnesium matrix composite during compression process. Materials Characterization, 2018, 141, 398-405.	1.9	11
901	Zinc oxide nanoparticles as contrastâ€enhancing agents for microwave imaging. Medical Physics, 2018, 45, 3820-3830.	1.6	17
902	A mechanical system for tensile testing of supported films at the nanoscale. Nanotechnology, 2018, 29, 395707.	1.3	12
903	PhytoNanotechnology: Enhancing Delivery of Plant Based Anti-cancer Drugs. Frontiers in Pharmacology, 2017, 8, 1002.	1.6	102
904	Acquiring well balanced strength and ductility of Cu/CNTs composites with uniform dispersion of CNTs and strong interfacial bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 733, 144-152.	2.6	32
905	Flexible electrochromic materials based on CNT/PDA hybrids. Advances in Colloid and Interface Science, 2018, 258, 21-35.	7.0	17
906	Natural Nanoparticles: A Particular Matter Inspired by Nature. Antioxidants, 2018, 7, 3.	2.2	148

#	Article	IF	CITATIONS
907	Bioactive poly(etheretherketone) composite containing calcium polyphosphate and multi-walled carbon nanotubes for bone repair: Mechanical property and in vitro biocompatibility. Journal of Bioactive and Compatible Polymers, 2018, 33, 543-557.	0.8	8
908	In-Situ Preparation of Aramid-Multiwalled CNT Nano-Composites: Morphology, Thermal Mechanical and Electric Properties. Nanomaterials, 2018, 8, 309.	1.9	7
909	Mechanical, thermal and electrical properties of LiFePO4/MWCNTs composite electrodes. Materials Letters, 2018, 230, 57-60.	1.3	16
910	High adsorption performance of β-cyclodextrin-functionalized multi-walled carbon nanotubes for the removal of organic dyes from water and industrial wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 4634-4643.	3.3	83
911	Multiscale modeling of the interface effects in CNT-epoxy nanocomposites. Computational Materials Science, 2018, 153, 363-381.	1.4	48
912	Photo-Responsive Graphene and Carbon Nanotubes to Control and Tackle Biological Systems. Frontiers in Chemistry, 2018, 6, 102.	1.8	27
913	Carbon Nano-particle Synthesized by Pulsed Arc Discharge Method as a Light Emitting Device. Journal of Electronic Materials, 2018, 47, 4003-4009.	1.0	7
914	Helical Multi-walled Carbon Nanotubes as an Efficient Material for the Dispersive Solid-Phase Extraction of Low and High Molecular Weight Polycyclic Aromatic Hydrocarbons from Water Samples: Theoretical Study. Water, Air, and Soil Pollution, 2018, 229, 253.	1.1	20
915	Micro-patterning of single-walled carbon nanotubes and its surface modification with gold nanoparticles for electrochemical paper-based non-enzymatic glucose sensor. Journal of Electroanalytical Chemistry, 2018, 826, 29-37.	1.9	24
916	Recent uses of carbon nanotubes & gold nanoparticles in electrochemistry with application in biosensing: A review. Biosensors and Bioelectronics, 2018, 121, 125-136.	5.3	150
917	Graphene-Based Semiconductor Heterostructures for Photodetectors. Micromachines, 2018, 9, 350.	1.4	68
918	CNT-reinforced metal and steel nanocomposites: A comprehensive assessment of progress and future directions. Composites Part A: Applied Science and Manufacturing, 2018, 114, 170-187.	3.8	119
919	Production of nanostructured carbon materials using Fe–Mo/MgO catalysts via mild catalytic pyrolysis of polyethylene waste. Chemical Engineering Journal, 2018, 354, 802-816.	6.6	103
920	Interfacial characteristics of carbon nanotube-polymer composites: A review. Composites Part A: Applied Science and Manufacturing, 2018, 114, 149-169.	3.8	142
921	Carbon nanotubes in the delivery of anticancer herbal drugs. Nanomedicine, 2018, 13, 1187-1220.	1.7	30
922	Generation of Pd@Ni NTs from Polyethylene Wastes and Their Application in the Electrochemical Hydrogen Evolution Reaction. ChemistrySelect, 2018, 3, 5321-5325.	0.7	13
923	Nanocomposites of Chalcogenide and their Applications. Nano Hybrids and Composites, 0, 20, 46-64.	0.8	5
924	Surface characteristics of wood polypropylene nanocomposites reinforced with multi-walled carbon nanotubes. Composites Part B: Engineering, 2019, 157, 43-46.	5.9	28

#	Article	IF	CITATIONS
925	Micromechanics of CNT grafted FRP based on hierarchical homogenization of transversely isotropic multi-coated model. International Journal of Mechanical Sciences, 2019, 161-162, 105014.	3.6	7
926	Hierarchical α-MnO2 wrapped MWCNTs sensor for low level detection of p-nitrophenol in water. Ceramics International, 2019, 45, 23097-23103.	2.3	37
927	Impact of nanosized additives on the fatigue damage behaviour of asphalt mixtures. Fatigue and Fracture of Engineering Materials and Structures, 2019, 42, 2738-2746.	1.7	8
928	Towards radio transceiving in-vivo nano-robots. SN Applied Sciences, 2019, 1, 1.	1.5	2
929	CNT Sponges for Environmental Applications. Engineering Materials, 2019, , 1-13.	0.3	1
930	The in-situ synthesis of TiC in Cu melts based on Ti–C–Si system and its mechanism. Materials and Design, 2019, 182, 108007.	3.3	27
931	Chemistries for DNA Nanotechnology. Chemical Reviews, 2019, 119, 6384-6458.	23.0	319
932	One-step synthesis of carbon nanotubes with secondary growth of carbon nanofibers: effect of chlorine, synthesis time and temperature. Materials Research Express, 2019, 6, 115016.	0.8	8
933	Epoxy matrix composites reinforced with purified carbon nanotubes for thermal management applications. Polymers for Advanced Technologies, 2019, 30, 2770-2780.	1.6	6
934	Impact of engineered nanomaterials either alone or loaded with NPK on growth and productivity of French bean plants: Seed priming vs foliar application. South African Journal of Botany, 2019, 125, 102-108.	1.2	49
935	Density functional theory simulation of cobalt oxide aggregation and facile synthesis of a cobalt oxide, gold and multiwalled carbon nanotube based ternary composite for a high performance supercapattery. New Journal of Chemistry, 2019, 43, 13183-13195.	1.4	24
936	Rheology of Pure Ionic Liquids and Their Complex Fluids: A Review. ACS Sustainable Chemistry and Engineering, 2019, 7, 13586-13626.	3.2	76
937	Study the Electrical Properties of Carbon Nanotubes/Polyaniline Nanocomposites. Journal of Physics: Conference Series, 2019, 1178, 012032.	0.3	2
938	Compatibilising action of multiwalled carbon nanotubes in polycarbonate/polypropylene (PC/PP) blends: phase morphology, viscoelastic phase separation, rheology and percolation. Journal of Polymer Research, 2019, 26, 1.	1.2	22
939	Thermal and electrical anisotropy of polymer matrix composite materials reinforced with graphene nanoplatelets and aluminum-based particles. Diamond and Related Materials, 2019, 100, 107571.	1.8	15
940	Nanoscale Structures and Hydrogen Storage Capacity of Fe-C-H Produced by Milling Graphite with Steel Balls in a Hydrogen Atmosphere. Journal of Nanomaterials, 2019, 2019, 1-7.	1.5	0
941	Hot corrosion resistance of a Ti–Mo–Nb–Al–Si titanium matrix composites reinforced with <i>in-situ</i> TiC prepared by powder metallurgy. Materials Research Express, 2019, 6, 126510.	0.8	3
942	Microstructure and oxidation resistance of a Ti–Mo–Nb–Al–Si titanium matrix composite reinforced with in situ TiC prepared by powder metallurgy. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	6

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#	ARTICLE	IF	CITATIONS
943	Molecular dynamics simulation of <i>Y</i> -type nanomotors with different angles in aqueous solution. AIP Advances, 2019, 9, .	0.6	2
944	Exploring the mechanical and sensing capabilities of multi-material bonded joints with carbon nanotube-doped adhesive films. Composite Structures, 2019, 229, 111477.	3.1	11
945	Laser-driven nanomaterials and laser-enabled nanofabrication for industrial applications. , 2019, , 181-203.		15
946	Symmetry-adapted real-space density functional theory for cylindrical geometries: Application to large group-IV nanotubes. Physical Review B, 2019, 100, .	1.1	27
947	Buckling-induced band-gap modulation in zigzag carbon nanotubes. Physical Review B, 2019, 100, .	1.1	7
948	CoFe ₂ O ₄ /MWCNTs nano-composites structural, thermal, magnetic, electrical properties and dye removal capability. Materials Research Express, 2019, 6, 105059.	0.8	10
949	Port-Hamiltonian modelling of nonlocal longitudinal vibrations in a viscoelastic nanorod. Mathematical and Computer Modelling of Dynamical Systems, 2019, 25, 447-462.	1.4	4
950	Highly Sensitive and Stable NO ₂ Gas Sensors Based on SWNTs With Exceptional Recovery Time. IEEE Sensors Journal, 2019, 19, 11775-11783.	2.4	10
951	Tuning the properties of CVD-grown multiwalled carbon nanotubes by ex situ codoping with boron and nitrogen heteroatoms. Journal of Nanoparticle Research, 2019, 21, 1.	0.8	5
952	Surface modification of carbon nanotube: Effects on pulsating heat pipe heat transfer. Chemical Engineering Research and Design, 2019, 152, 30-37.	2.7	22
953	Biodegradation of Carbon Nanotubes by Macrophages. Frontiers in Materials, 2019, 6, .	1.2	50
954	Powders for Composites. , 2019, , 351-372.		2
955	Physical Structure and Electrochemical Response of Diamond–Graphite Nanoplatelets: From CVD Synthesis to Label-Free Biosensors. ACS Applied Materials & Interfaces, 2019, 11, 8470-8482.	4.0	16
956	Performance Assessment of a New Radiation Dosimeter Based on Carbon Nanotube Field-Effect Transistor: A Quantum Simulation Study. IEEE Sensors Journal, 2019, 19, 3314-3321.	2.4	31
957	Processing Aspects and Biomedical and Environmental Applications of Sustainable Nanocomposites Containing Nanofillers. , 2019, , 727-757.		1
958	Role of nanoparticles in advanced biomedical research. , 2019, , 347-361.		1
959	Design and Preparation of a New and Novel Nanocomposite with CNTs and Its Sensor Applications. Journal of Materials Research and Technology, 2019, 8, 2238-2246.	2.6	28
960	A novel approach for fabricating a CNT/AlSi composite with the self-aligned nacre-like architecture by cold spraying. Nano Materials Science, 2019, 1, 137-141.	3.9	13

#	ARTICLE	IF	Citations
961	Elevated internalization and cytotoxicity of polydispersed single-walled carbon nanotubes in activated B cells can be basis for preferential depletion of activated B cells in vivo. Nanotoxicology, 2019, 13, 849-860.	1.6	13
962	An approach using highly sensitive carbon nanotube adhesive films for crack growth detection under flexural load in composite structures. Composite Structures, 2019, 224, 111087.	3.1	16
963	Advanced Carbon Materials for Electrochemical Energy Storage. , 2019, , 385-418.		2
964	Influence of carbon nanotubes and dispersions of SiC on the physical and mechanical properties of pure copper and copperâ€nickel alloy. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 588-598.	0.5	3
965	Self-assembling of graphene oxide on carbon quantum dot loaded liposomes. Materials Science and Engineering C, 2019, 103, 109860.	3.8	9
966	CNT Incorporated Polyacrilonitrile/Polypyrrole Nanofibers as Keratinocytes Scaffold. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 0, 41, 69-81.	0.5	13
967	Selfâ€Healing Hydrogels: The Next Paradigm Shift in Tissue Engineering?. Advanced Science, 2019, 6, 1801664.	5.6	314
968	Review on heavy metal adsorption processes by carbon nanotubes. Journal of Cleaner Production, 2019, 230, 783-793.	4.6	312
969	Diffusion effect for the catalytic growth of carbon nanotubes on metal alloys substrate. Diamond and Related Materials, 2019, 96, 112-117.	1.8	6
970	Nanostructured photoanode and counter electrode materials for efficient Dye-Sensitized Solar Cells (DSSCs). Solar Energy, 2019, 185, 165-188.	2.9	128
971	Adsorption of radionuclides on carbon-based nanomaterials. Interface Science and Technology, 2019, , 141-215.	1.6	4
972	Valueâ€Added Recycling of Inexpensive Carbon Sources to Graphene and Carbon Nanotubes. Advanced Sustainable Systems, 2019, 3, 1800016.	2.7	20
973	WS2 Nano-petals and Nano-bristles Supported on Carbon Nanotubes for Electron Emission Applications. Scientific Reports, 2019, 9, 3672.	1.6	7
974	Modelling the Mechanical Characteristics of Carbon Nanotubes: A Nonlocal Differential Approach. Springer Tracts in Mechanical Engineering, 2019, , 187-217.	0.1	0
975	ZnO@ porous graphite nanocomposite from waste for superior photocatalytic activity. Environmental Science and Pollution Research, 2019, 26, 12288-12301.	2.7	28
976	Enhancing Interfacial Bonding and Tensile Strength in CNT-Cu Composites by a Synergetic Method of Spraying Pyrolysis and Flake Powder Metallurgy. Materials, 2019, 12, 670.	1.3	17
977	CNT sponges with outstanding absorption capacity and electrical properties: Impact of the CVD parameters on the product structure. Ceramics International, 2019, 45, 13761-13771.	2.3	10
978	Piezoresistive Load Sensing and Percolation Phenomena in Portland Cement Composite Modified with In-Situ Synthesized Carbon Nanofibers. Nanomaterials, 2019, 9, 594.	1.9	19

		CITATION R	EPORT	
#	Article		IF	CITATIONS
979	Nanomaterials for the Removal of Heavy Metals from Wastewater. Nanomaterials, 201	.9, 9, 424.	1.9	390
980	The Application of Multi-Walled Carbon Nanotubes in Bone Tissue Repair Hybrid Scaffo Effect on Cell Growth In Vitro. Polymers, 2019, 11, 230.	olds and the	2.0	27
981	Fundamental Tenets of Nanomechanics. Springer Tracts in Mechanical Engineering, 20	119, , 11-39.	0.1	0
982	Preparation and properties of manipulated carbon nanotube composites and application 489-520.	ons. , 2019, ,		17
983	Conductive Effect of Increased Crystallinity of Single-Walled Carbon Nanotubes as Fiel 2019, , .	d Emitter. ,		0
984	Design of an ITO Based CNT Coated Transparent Nano Patch Antenna Assisted by Cha Analysis. , 2019, , .	racteristic Mode		5
985	Formation of catalytic centers for the growth of carbon nanostructures for nanophoto Journal of Physics: Conference Series, 2019, 1410, 012164.	nics devices.	0.3	1
986	Homogenous dispersion and interfacial bonding of carbon nanotube reinforced with a matrix composite: A review. Reviews on Advanced Materials Science, 2019, 58, 295-30	uminum)3.	1.4	30
988	Surface Functionalization of Carbon Nanotubes for Energy Applications. , 0, , .			1
989	Behavior of X-Ray Analysis of Carbon Nanotubes. , 0, , .			10
990	Nickel impregnated multi-walled carbon nanotubes (Ni/MWCNT) as active catalyst ma efficient and platinum-free dye-sensitized solar cells (DSSCs). Sustainable Energy and F 3473-3480.	terials for ⁻ uels, 2019, 3,	2.5	12
991	Atomistic Simulation of a New Label-Free DNA Nanosensor Based on Ballistic Carbon N Field-Effect Transistor. , 2019, , .	lanotube		2
992	Synthesis and Characterization of Carbon Nanosheets from Stinging Nettle (Urtica Dic Conference Series: Materials Science and Engineering, 2019, 613, 012017.	bica). IOP	0.3	3
993	Effects of Radius and Length on the Nanomotor Rotors in Aqueous Solution Driven by Electric Field. Journal of Physical Chemistry C, 2019, 123, 30649-30656.	the Rotating	1.5	7
994	Fast and Accurate Simulation of Ultrascaled Carbon Nanotube Field-Effect Transistor U Sub-Modeling Technique. , 2019, , .	Ising ANN		1
995	Ab initio Theoretical Investigation of Dopants for Ultrahigh Conductivities in Single Wa Nanotubes. , 2019, , .	all Carbon		1
996	Background, fundamental understanding and progress in electrochemical capacitors. J Solid State Electrochemistry, 2019, 23, 667-692.	ournal of	1.2	62
997	Quantitative evaluation of carbon nanomaterial releases during electric heating wire consawing machine cutting of expanded polystyrene-based composites using thermal carl Journal of Occupational and Environmental Hygiene, 2019, 16, 165-178.	utting and bon analysis.	0.4	4

#	Article	IF	Citations
998	Synthesis and characterization of CuO/ZnO/CNTs thin films on copper substrate and its photocatalytic applications. OpenNano, 2019, 4, 100025.	1.8	74
999	Carbon Nanotubes for Advancing Separation Membranes. , 2019, , 333-359.		1
1000	The unsteady flow of generalized hybrid nanofluids: applications in cementitious materials. Journal of the Australian Ceramic Society, 2019, 55, 657-666.	1.1	12
1001	A complete characterization of vibrational IR and Raman spectra of the highly-symmetrical octathia[8]circulene. Vibrational Spectroscopy, 2019, 100, 107-116.	1.2	9
1002	Fabrication of sensitive SWCNT sensor for trace level detection of reducing and oxidizing gases (NH3) Tj ETQq0 C 206-214.	0 rgBT /C 1.3	overlock 10 T 10
1003	Carbon Nanomaterials for Energy Storage Devices. , 2019, , 1-29.		2
1004	Carbon Nanomaterial-Based Electrochemical Biosensors for Foodborne Bacterial Detection. Critical Reviews in Analytical Chemistry, 2019, 49, 510-533.	1.8	74
1005	Synthesis of Siâ€Doped CNT and Its Catalytic Ability in Hydrogen Evolution Reaction. ChemistrySelect, 2019, 4, 521-526.	0.7	7
1006	Synthesis and Properties of Surface-Modified Carbon Nanotube/Copper Composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 1448-1459.	1.1	6
1007	The effect of multiwalled carbon nanotubes on the rheological behaviour of bitumen. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 566, 113-119.	2.3	17
1008	Dispersive solid-phase extraction using multi-walled carbon nanotubes combined with liquid chromatography–mass spectrometry for the analysis of β-blockers: Experimental and theoretical studies. Microchemical Journal, 2019, 146, 258-269.	2.3	15
1009	Electrospun Copolyamide Mats Modified by Functionalized Multiwall Carbon Nanotubes. Polymer Composites, 2019, 40, E1451-E1460.	2.3	4
1010	Efficient Nanocarriers for Drug-Delivery Systems. , 2019, , 1-41.		10
1011	The effect of ZnO-based carbonaceous materials for degradation of benzoic pollutants: a review. International Journal of Environmental Science and Technology, 2019, 16, 1729-1740.	1.8	63
1012	Encapsulation of small fullerenes into nitrogenated holey nanotubes: a density functional theory study. Molecular Physics, 2019, 117, 776-783.	0.8	2
1013	The electrochemical glucose sensing based on the chitosan-carbon nanotube hybrid. Biochemical Engineering Journal, 2019, 144, 227-234.	1.8	29
1014	Nanoparticles as Delivery Systems in Cancer Therapy. , 2019, , 257-295.		16
1015	Carbon Nanotubes as Biological Transporters and Tissue-Engineering Scaffolds. , 2019, , 135-156.		4

#	Article	IF	CITATIONS
1016	Three-dimensional mesoporous hierarchical carbon nanotubes/nickel foam-supported gold nanoparticles as a free-standing sensor for sensitive hydrazine detection. Journal of Electroanalytical Chemistry, 2019, 832, 444-452.	1.9	16
1017	Adsorption of isonicotinic acid from aqueous solution using multi-walled carbon nanotubes/Fe3O4. Journal of Molecular Liquids, 2019, 276, 163-169.	2.3	27
1018	Effectively improving the performance of MWNT/PEEK composite by choosing PAK-Cz as the solubilizer. High Performance Polymers, 2019, 31, 875-884.	0.8	4
1019	Polymer Composites with Functionalized Carbon Nanotube and Graphene. , 2019, , 211-248.		16
1020	Microstructural Characterization of Carbon Nanotubes (CNTs)-Reinforced Nickel Matrix Nanocomposites. Microscopy and Microanalysis, 2019, 25, 180-186.	0.2	9
1021	Carbon nanotube field effect transistors: toward future nanoscale electronics. International Journal of Computers and Applications, 2019, 41, 149-164.	0.8	16
1022	Remediation of wastewater using various nano-materials. Arabian Journal of Chemistry, 2019, 12, 4897-4919.	2.3	499
1023	Air pollution control: The evaluation of TerphApm@MWCNTs as a novel heterogeneous sorbent for benzene removal from air by solid phase gas extraction. Arabian Journal of Chemistry, 2020, 13, 1741-1751.	2.3	17
1024	TiO2/carbon dots decorated reduced graphene oxide composites from waste car bumper and TiO2 nanoparticles for photocatalytic applications. Arabian Journal of Chemistry, 2020, 13, 3082-3091.	2.3	25
1025	Rheological response and quasi-static stab resistance of STF/MWCNTs-impregnated aramid fabrics with different textures. Journal of Industrial Textiles, 2020, 50, 380-397.	1.1	9
1026	Metal-free carbon materials as catalysts for wet air oxidation. Catalysis Today, 2020, 356, 189-196.	2.2	20
1027	Carbon nanotubes as catalysts for wet peroxide oxidation: The effect of surface chemistry. Catalysis Today, 2020, 357, 332-340.	2.2	18
1028	Synthesis and characterisation of multi-walled carbon nanotubes (MWCNTs). International Journal of Ambient Energy, 2020, 41, 452-456.	1.4	56
1029	Elastomeric nanocomposite foams with improved properties for extreme conditions. , 2020, , 133-147.		3
1030	Synthesis of Carbon Nanotubes from Industrial Wastes Following Alkali Activation and Film Casting Method. Waste and Biomass Valorization, 2020, 11, 4957-4966.	1.8	11
1031	Nanocarbon-Based Hybrids as Electrocatalysts for Hydrogen and Oxygen Evolution From Water Splitting. , 2020, , 379-418.		2
1032	Cu2O-CuO ball like/multiwalled carbon nanotube hybrid for fast and effective ultrasound-assisted solid phase extraction of uranium at ultra-trace level prior to ICP-MS detection. Talanta, 2020, 207, 120295.	2.9	38
1033	Low-temperature plasma modification of carbon nanofillers for improved performance of advanced rubber composites. Polymer Bulletin, 2020, 77, 1015-1048.	1.7	12

#	Article	IF	Citations
1034	Application of carbonized ion exchange resin beads as catalyst support for gas phase hydrogenation processes. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 85-94.	0.8	9
1035	The rejection of mono- and di-valent ions from aquatic environment by MWNT/chitosan buckypaper composite membranes: Influences of chitosan concentrations. Separation and Purification Technology, 2020, 234, 116088.	3.9	24
1036	Effect of carbon nanotubes on properties of alkali activated slag – A mechanistic study. Journal of Cleaner Production, 2020, 245, 119021.	4.6	20
1037	Nanocarbon Catalysts: Recent Understanding Regarding the Active Sites. Advanced Science, 2020, 7, 1902126.	5.6	94
1038	Effect of individual and hybrid additions of Al2O3 NP and CNTs on the mechanical strengthening of aluminum-bronze alloy. SN Applied Sciences, 2020, 2, 1.	1.5	2
1039	Influence of variable temperature on performance of mixed-MWCNT, MWCNT and SWCNT nanostructures as interconnects for high-performance VLSI-IC design. Journal of Materials Science: Materials in Electronics, 2020, 31, 1828-1838.	1.1	4
1040	Nano-makisu: highly anisotropic two-dimensional carbon allotropes made by weaving together nanotubes. Nanoscale, 2020, 12, 347-355.	2.8	3
1041	Allotrope carbon materials in thermal interface materials and fuel cell applications: A review. International Journal of Energy Research, 2020, 44, 2471-2498.	2.2	32
1042	Scanning electron microscopy and energyâ€dispersive Xâ€ray spectroscopy analysis of electrochemically etched graphite tips created from pencil lead. Microscopy Research and Technique, 2020, 83, 196-201.	1.2	2
1043	Recent Progress of Miniature MEMS Pressure Sensors. Micromachines, 2020, 11, 56.	1.4	119
1044	New extraction media in microextraction techniques. A review of reviews. Microchemical Journal, 2020, 153, 104386.	2.3	57
1045	Theoretical studies on electronic properties of a new carbon allotrope with paring of pentagonal and heptagonal rings. European Physical Journal Plus, 2020, 135, 1.	1.2	3
1046	Durability Characterisation of Portland Cement–Carbon Nanotube Nanocomposites. Materials, 2020, 13, 4097.	1.3	10
1047	Role of Carbon Nanofiber on the Electrical Resistivity of Mortar under Compressive Load. Transportation Research Record, 2021, 2675, 32-37.	1.0	4
1048	Comparative carcinogenicity study of a thick, straight-type and a thin, tangled-type multi-walled carbon nanotube administered by intra-tracheal instillation in the rat. Particle and Fibre Toxicology, 2020, 17, 48.	2.8	30
1049	Carbon Nanotubes (CNTs)-Reinforced Magnesium-Based Matrix Composites: A Comprehensive Review. Materials, 2020, 13, 4421.	1.3	70
1050	Carbon Nanotubes Interference with Luminescence-Based Assays. Materials, 2020, 13, 4270.	1.3	8
1051	Improved performance of nanoscale junctionless carbon nanotube tunneling FETs using dual-material source gate design: A quantum simulation study. AEU - International Journal of Electronics and Communications, 2020, 127, 153491.	1.7	21

#	Article	IF	CITATIONS
1052	One-dimensional carbon nanomaterials-based adsorbents. , 2020, , 195-224.		8
1053	Photothermal Stimuli-Responsive Biocomposites Based on Cross-Linked Poly(<scp>I</scp> -malic acid) Reinforced with Carbon Nanotubes. ACS Applied Polymer Materials, 2020, 2, 5889-5897.	2.0	10
1054	A deep learning approach for determining the chiral indices of carbon nanotubes from high-resolution transmission electron microscopy images. Carbon, 2020, 169, 465-474.	5.4	27
1055	Towards novel building materials: High-strength nanocomposites based on graphene, graphite oxide and magnesium oxychloride. Applied Materials Today, 2020, 20, 100766.	2.3	24
1056	Efficient and Narrow-Linewidth Photoluminescence Devices Based on Single-Walled Carbon Nanotubes and Silicon Photonics. ACS Applied Nano Materials, 2020, 3, 7678-7684.	2.4	7
1057	Ni Nanoparticles Coated with Nitrogen-Doped Carbon for Optical Limiting Applications. ACS Applied Nano Materials, 2020, 3, 8618-8631.	2.4	49
1058	Theoretical elucidation of the amino acid interaction with graphene and functionalized graphene nanosheets: insights from DFT calculation and MD simulation. Amino Acids, 2020, 52, 1465-1478.	1.2	22
1059	Synthesis and characterization of carbon nanotubes from engine soot and its application as an additive in Schizochytrium biodiesel fuelled DICI engine. Energy Reports, 2020, 6, 2126-2139.	2.5	11
1060	Development of an accurate method for dispersion and quantification of carbon nanotubes in biological media. Analytical Methods, 2020, 12, 5642-5647.	1.3	2
1062	<i>In silico</i> study of structure and water dynamics in CNT/polyamide nanocomposite reverse osmosis membranes. Physical Chemistry Chemical Physics, 2020, 22, 22324-22331.	1.3	6
1063	Raman spectroscopic characterization of acid refluxed and surfactantâ€assisted dispersed multiwalled carbon nanotubes on surface functionalized substrates. Microwave and Optical Technology Letters, 2020, 62, 3829-3835.	0.9	0
1064	Using Current-Voltage Characteristics to Control the Structure of Contacts in Polyethylene Based Composites Modified by Multiwalled Carbon Nanotubes. Journal of Structural Chemistry, 2020, 61, 628-639.	0.3	4
1066	Treatment of Water Contaminated with Reactive Black-5 Dye by Carbon Nanotubes. Materials, 2020, 13, 5508.	1.3	25
1067	Highly Multifunctional GNP/Epoxy Nanocomposites: From Strain-Sensing to Joule Heating Applications. Nanomaterials, 2020, 10, 2431.	1.9	20
1068	Microtubule cytoskeleton-disrupting activity of MWCNTs: applications in cancer treatment. Journal of Nanobiotechnology, 2020, 18, 181.	4.2	16
1069	Metalâ€∓ellurium Batteries: A Rising Energy Storage System. Small Structures, 2020, 1, 2000005.	6.9	46
1070	Electrophysical Properties of Composites Based on Polyethylene Modified with Multi-Walled Carbon Nanotubes with High Content of Fe–Co-Catalyst. Russian Journal of Applied Chemistry, 2020, 93, 586-594.	0.1	3
1071	Effects of grain dimensions and edge states on the thermal conductivity of graphene ribbons. Diamond and Related Materials, 2020, 108, 107919.	1.8	3

#	Article	IF	CITATIONS
1072	The role of graphene interactions and geometry on thermal and electrical properties of epoxy nanocomposites: A theoretical to experimental approach. Polymer Testing, 2020, 90, 106638.	2.3	12
1073	Relativistic effects on the energetic stability of \$\$hbox {Pb}_5\$\$ clusters. Theoretical Chemistry Accounts, 2020, 139, 1.	0.5	0
1074	Carbon nanotube dielectrophoresis: Theory and applications. Electrophoresis, 2020, 41, 1893-1914.	1.3	16
1075	Pullulan based stimuli responsive and sub cellular targeted nanoplatforms for biomedical application: Synthesis, nanoformulations and toxicological perspective. International Journal of Biological Macromolecules, 2020, 161, 1189-1205.	3.6	32
1076	Engineering biomaterials for the bioremediation: advances in nanotechnological approaches for heavy metals removal from natural resources. , 2020, , 323-339.		4
1077	Preparation and evaluation of a stable CNT-water based nano cutting fluid for machining hard-to-cut material. SN Applied Sciences, 2020, 2, 1.	1.5	26
1078	Elastomer-based materials for EMI shielding applications. , 2020, , 121-143.		1
1079	Carbon nanotube - A review on Synthesis, Properties and plethora of applications in the field of biomedical science. Sensors International, 2020, 1, 100003.	4.9	294
1080	Development in Additive Methods in Aramid Fiber Surface Modification to Increase Fiber-Matrix Adhesion: A Review. Coatings, 2020, 10, 556.	1.2	19
1081	Central nervous system responses to biomaterials. , 2020, , 507-554.		2
1082	Preparation and characterization of a quaternary acceptor-donor-acceptor-donor (A-D-A-D) nanohybrid material for electrochromic device application. Electrochimica Acta, 2020, 350, 136212.	2.6	5
1083	Atomistic investigation of mechanical behavior for CNT reinforced nanocrystalline aluminum under biaxial tensile loading. Materials Today: Proceedings, 2020, 33, 4942-4950.	0.9	7
1084	Mechanical and tribological characterization of nanostructured graphene sheets/A6061 composites fabricated by induction sintering and hot extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 786, 138998.	2.6	22
1085	Research status and development of magnesium matrix composites. Materials Science and Technology, 2020, 36, 645-653.	0.8	32
1086	Interaction of carbon nanotubes with curcumin: Effect of temperature and pH on simultaneous static and dynamic fluorescence quenching of curcumin using carbon nanotubes. Luminescence, 2020, 35, 659-666.	1.5	8
1087	Lowâ€velocity impact behavior of glass fiberâ€MWCNT/polymer laminates exposed to seawater and distilled water aging. Polymer Composites, 2020, 41, 2181-2197.	2.3	25
1088	Two-dimensional reinforcement of epoxy composites: alignment of multi-walled carbon nanotubes in two directions. Advanced Composite Materials, 2020, 29, 547-557.	1.0	7
1089	Size-dependent effects of Ti powders in the pure aluminum matrix composites reinforced by carbon nanotubes. Journal of Alloys and Compounds, 2020, 823, 153824.	2.8	16

#	Article	IF	CITATIONS
1090	Precise and controllable N/C ratio in graphdiyne for superior Li and Na ions storage capacities. 2D Materials, 2020, 7, 025032.	2.0	23
1091	Mechanical properties and strain hardening behavior of aluminum matrix composites reinforced with few-walled carbon nanotubes. Journal of Alloys and Compounds, 2020, 826, 154075.	2.8	23
1092	Step-Wise Deposition Process for Dielectrophoretic Formation of Conductive 50-Micron-Long Carbon Nanotube Bridges. Micromachines, 2020, 11, 371.	1.4	12
1093	Induced H-packing k-partition number for certain nanotubes and chemical graphs. Journal of Mathematical Chemistry, 2020, 58, 1177-1196.	0.7	5
1094	Water treatment: functional nanomaterials and applications from adsorption to photodegradation. Materials Today Chemistry, 2020, 16, 100262.	1.7	77
1095	Semisolid microstructural evolution of (CNTs + Sip)/AZ91D powder compacts prepared from powders by cold pressing and remelting. Rare Metals, 2020, 39, 733-742.	3.6	12
1096	Carbon nanotubes drug delivery system for cancer treatment. , 2020, , 313-332.		11
1097	Characterization of interlaminar shear properties of nanostructured unidirectional composites. Composite Interfaces, 2021, 28, 191-208.	1.3	4
1098	Magnetic Solid-Phase Extraction of Drugs and Pesticides from Human Plasma Using COOH-mMWCNTs. Journal of Analytical Toxicology, 2021, 44, 968-975.	1.7	6
1099	A review on the mechanical properties of polymer composites reinforced by carbon nanotubes and graphene. Carbon Letters, 2021, 31, 149-165.	3.3	182
1100	Fundamentals of Metal Matrix Composites. , 2021, , 11-29.		3
1101	An extended Mori-Tanaka micromechanics model for wavy CNT nanocomposites with interface damage. Mechanics of Advanced Materials and Structures, 2021, 28, 295-307.	1.5	31
1102	Performance enhancement and mechanism exploration of all-carbon-nanotube memory with hydroxylation and dehydration through supercritical carbon dioxide. Carbon, 2021, 173, 97-104.	5.4	11
1103	<scp>CNTFET</scp> based class <scp>AB</scp> current conveyor <scp>II</scp> : Design, analysis and waveform generator applications. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, .	1.2	13
1104	OBSOLETE: Fundamentals of Metal Matrix Composites. , 2021, , .		0
1105	Incorporation of carbon nanotubes in photoactive layer of organic solar cells. Ain Shams Engineering Journal, 2021, 12, 897-900.	3.5	26
1106	Micromechanics and indentation creep of magnesium carbon nanotube nanocomposites: 298ÅK–573ÅK. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 801, 140418.	2.6	17
1107	Encapsulation of monocyclic carbon clusters into carbon nanotubes: A continuum modeling approach. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2021, 235, 12-29.	0.5	1

#	Article	IF	CITATIONS
1108	A damage plasticity constitutive model for wavy CNT nanocomposites by incremental Mori-Tanaka approach. Composite Structures, 2021, 258, 113178.	3.1	14
1109	Thermal properties of three-dimensional hierarchical porous graphene foam-carbon nanotube hybrid structure composites with phase change materials. Microporous and Mesoporous Materials, 2021, 312, 110781.	2.2	35
1110	A facile method to oxidize carbon nanotubes in controlled flow of oxygen at 350°C. Materials Letters, 2021, 283, 128816.	1.3	4
1111	Crack sensing mechanisms of Mode-II and skin-stringer joints between dissimilar materials by using carbon nanotubes. Composites Science and Technology, 2021, 201, 108553.	3.8	8
1112	Modifying carbon nanotube fibers: A study relating apparent interfacial shear strength and failure mode. Carbon, 2021, 173, 857-869.	5.4	17
1113	Green synthesis of carbon nanotubes to address the water-energy-food nexus: A critical review. Journal of Environmental Chemical Engineering, 2021, 9, 104736.	3.3	45
1114	Effects of cell defects on the mechanical and thermal properties of carbon honeycombs. Computational Materials Science, 2021, 187, 110125.	1.4	9
1115	Synthesis of carbon nanotube reinforced Al matrix composite coatings via cold spray deposition. Surface and Coatings Technology, 2021, 405, 126676.	2.2	11
1116	Nanocarriers for treatment of dermatological diseases: Principle, perspective and practices. European Journal of Pharmacology, 2021, 890, 173691.	1.7	25
1117	Recent progress in morphological engineering of carbon materials for electromagnetic interference shielding. Carbon, 2021, 172, 569-596.	5.4	120
1118	Progress and challenges in self-healing cementitious materials. Journal of Materials Science, 2021, 56, 201-230.	1.7	34
1119	Mechanically stable membranes of polyacrylic acidâ€grafted chitosanâ€functionalized carbon nanotubes with remarkable water storage capacity in sandy soils. Journal of Applied Polymer Science, 2021, 138, 49915.	1.3	1
1120	Seawater effects on interlaminar fracture toughness of glass fiber/epoxy laminates modified with multiwall carbon nanotubes. Journal of Composite Materials, 2021, 55, 387-400.	1.2	8
1121	Copper(II)-Schiff Base Complex Embedded on Multi-Walled Carbon Nanotubes (APTMS@MWCNTs/Schiff) Tj ETQ Dihydro-spiro[cycloalkane-1,4′-quinoline]-2′,5′-diones. Polycyclic Aromatic Compounds, 2021, 41, 663-6	q1 1 0.784 1.4 75.	1314 rgBT C 5
1122	Advanced nanocomposite ion exchange materials for water purification. , 2021, , 513-534.		3
1123	Tuning the intrinsic catalytic activities of oxygen-evolution catalysts by doping: a comprehensive review. Journal of Materials Chemistry A, 2021, 9, 20131-20163.	5.2	110
1124	Advances in Carbon-Based Nanocomposites for Deep Adsorptive Desulfurization. , 2021, , 1809-1831.		0
1125	Electrical properties of epoxy composites based on carbon black. MATEC Web of Conferences, 2021, 340, 01052.	0.1	1

#	Article	IF	Citations
1126	Strengthening Effects of Multi-Walled Carbon Nanotubes and Graphene Nanoplatelets Reinforced in Nickel Matrix Nanocomposites. Minerals, Metals and Materials Series, 2021, , 111-122.	0.3	0
1127	Contact Damage Resistance and Tribological Behavior of Ceramic/Carbon Nanostructure Composites. , 2021, , 733-744.		0
1128	Architect of Polymer Nanocomposites for Aerospace Applications. , 2021, , 1319-1352.		1
1129	Metal oxide-carbon nanotubes nanocomposite-modified electrochemical sensors for toxic chemicals. , 2021, , 235-261.		1
1130	Solid waste-derived carbon nanomaterials for supercapacitor applications: a recent overview. Materials Advances, 2021, 2, 1454-1484.	2.6	47
1131	Carbon nanotubes in carbon/epoxy multiscale textile preform composites: A review. Polymer Composites, 2021, 42, 1670-1697.	2.3	29
1132	A critical review: Effect of the concentration of carbon nanotubes (CNT) on mechanical characteristics of aluminium metal matrix composites: Part 2. Materials Today: Proceedings, 2021, 45, 2890-2896.	0.9	9
1133	Advances in electromagnetic shielding properties of composite foams. Journal of Materials Chemistry A, 2021, 9, 8896-8949.	5.2	184
1134	Real-space density functional theory adapted to cyclic and helical symmetry: Application to torsional deformation of carbon nanotubes. Physical Review B, 2021, 103, .	1.1	22
1135	Excellent ultraviolet optical limiting properties of 2D chromium nanosheets. Journal of Materials Chemistry C, 2021, 9, 13432-13438.	2.7	7
1136	Carbonaceous nanocomposites for supercapattery. , 2021, , 93-110.		1
1137	Nanomaterials and Nanoprocesses for the Removal and Reuse of Heavy Metals. , 2021, , 2649-2660.		0
1138	Carbon Nanotube Field-Effect Transistors (CNFETs): Structure, Fabrication, Modeling, and Performance. Advances in Sustainability Science and Technology, 2021, , 199-214.	0.4	1
1139	Multifunctional Applications of Carbon Nanotube Based Polymer Composites. , 2021, , 1-15.		Ο
1140	Carbon based materials: a review of adsorbents for inorganic and organic compounds. Materials Advances, 2021, 2, 598-627.	2.6	232
1141	Tribological Aspect of Nano-lubricant Based on Carbon Nanotubes (CNTs) and Graphene—A Review. Lecture Notes in Mechanical Engineering, 2021, , 257-267	0.3	1
1142	Polymer-based nanocomposites for impact loading: A review. Mechanics of Advanced Materials and Structures, 2022, 29, 2581-2606.	1.5	19
1143	Preparation and Characterization of Electrically Conductive Polymer Nanocomposites with Different Carbon Nanoparticles. , 0, , .		2

#	Article	IF	CITATIONS
1144	Simultaneous enhancement of dispersion and interfacial adhesion in Al matrix composites reinforced with nanoceramic-decorated carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140784.	2.6	11
1145	Effect of bamboo-like carbon nanotubes on morphology, electrical properties, and thermal conductivity of poly(ether-ketone) matrix nanocomposites. Polymer-Plastics Technology and Materials, 2021, 60, 1292-1307.	0.6	3
1146	Analysis of strain sensitivity under flexural load of 3D printed carbon nanotube-doped epoxy circuits. Nanotechnology, 2021, 32, 185501.	1.3	2
1147	Mechanical properties of MoS2 nanotubes under tension: a molecular dynamics study. Molecular Simulation, 2021, 47, 471-479.	0.9	4
1148	A Review on Polymer Nanocomposites and Their Effective Applications in Membranes and Adsorbents for Water Treatment and Gas Separation. Membranes, 2021, 11, 139.	1.4	89
1149	Mechanical Response of Polymer Epoxy/BMI Composites with Graphene and a Boron Nitride Monolayer from First Principles. ACS Applied Polymer Materials, 2021, 3, 1052-1059.	2.0	10
1150	Titania-carbon nanocomposite as a saturable absorber for generation passively ytterbium-mode locked pulses. Optical Materials, 2021, 112, 110728.	1.7	14
1151	Torsional Characteristics of Carbon Nanotubes: Micropolar Elasticity Models and Molecular Dynamics Simulation. Nanomaterials, 2021, 11, 453.	1.9	25
1152	Rheological properties and sedimentation stability of magnetorheological fluid based on multi-walled carbon nanotubes/cobalt ferrite nanocomposites. Journal of Molecular Liquids, 2021, 324, 115103.	2.3	16
1154	Fabrication and Impact of Fouling-Reducing Temperature-Responsive POEGMA Coatings with Embedded CaCO3 Nanoparticles on Different Cell Lines. Materials, 2021, 14, 1417.	1.3	24
1155	Effects of light-ion low-fluence implantation on the pressure response of double-walled carbon nanotubes. Physical Review Materials, 2021, 5, .	0.9	0
1156	The Localization Behavior of Different CNTs in PC/SAN Blends Containing a Reactive Component. Molecules, 2021, 26, 1312.	1.7	2
1157	Systematic growth of carbon nanotubes on aluminum substrate for enhanced field emission performance. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, 022801.	0.6	1
1158	Overview Of Physicochemical And Surface Properties Of Nanoparticles For Engineering Applications. IOP Conference Series: Earth and Environmental Science, 2021, 665, 012049.	0.2	1
1159	Interlaminar Properties Improvement of Nanocomposites Using Coiled Nanomaterials. , 0, , .		0
1160	Cutting Methods and Perspectives of Carbon Nanotubes. Journal of Physical Chemistry C, 2021, 125, 9593-9617.	1.5	14
1161	Development of Highly Efficient, Glassy Carbon Foam Supported, Palladium Catalysts for Hydrogenation of Nitrobenzene. Nanomaterials, 2021, 11, 1172.	1.9	3
1162	Homogeneous and stable carbon nanotube dispersion assisted by cellulose in NaOH/thiourea aqueous solution. Cellulose, 2021, 28, 5421.	2.4	4

#	Article	IF	CITATIONS
1163	Study of bamboo-type carbon nanotubes with magnetic iron carbide nanoparticles fabricated by a modified CVD method. Journal of Nanoparticle Research, 2021, 23, 1.	0.8	3
1164	Carbon under pressure. Physics Reports, 2021, 909, 1-73.	10.3	64
1165	CNTFET â€based active grounded inductor using positive and negative current conveyors and applications. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2021, 34, e2895.	1.2	10
1166	Degradation of m-cresol over iron loaded carbon nanotube microfibrous composite: Kinetic optimization and deactivation study. Separation and Purification Technology, 2021, 262, 118340.	3.9	9
1167	Effects of carbon nanotubes on the early-age hydration kinetics of Portland cement using isothermal calorimetry. Cement and Concrete Composites, 2021, 119, 103994.	4.6	44
1168	Adsorption properties of acetone, acetoacetic acid and beta-hydroxybutyric acid on armchair (8, 8) gallium nitride nanotube: A Density Functional Theory approach. Results in Surfaces and Interfaces, 2021, 3, 100012.	1.0	2
1169	Mechanical properties of group IV single-walled nanotubes: a finite element approach based on the density functional theory. Journal of Molecular Modeling, 2021, 27, 163.	0.8	1
1170	Ru-Doped Single Walled Carbon Nanotubes as Sensors for SO2 and H2S Detection. Chemosensors, 2021, 9, 120.	1.8	12
1171	Tribological Behavior of Carbon-Based Nanomaterial-Reinforced Nickel Metal Matrix Composites. Materials, 2021, 14, 3536.	1.3	7
1172	Functionalization as a way to enhance dispersion of carbon nanotubes in matrices: a review. Materials Today Chemistry, 2021, 20, 100477.	1.7	51
1173	Ball Milled Al Spheres for the Manufacturing of Casting-Based Al-CNT Composites. Lecture Notes in Mechanical Engineering, 2022, , 46-56.	0.3	0
1174	Effect of counter ion valence and pH on the aggregation and charging of oxidized carbon nanohorn (CNHox) in aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 619, 126552.	2.3	17
1175	PFA nanocomposites: the influence of three carbon nanofillers on the mechanical and electromagnetic properties. Journal of Polymer Research, 2021, 28, 1.	1.2	2
1176	Carbon nanotubes and Engelhard titanium silicates as eco-friendly adsorbent materials: A short review. Journal of Physics: Conference Series, 2021, 1960, 012005.	0.3	3
1177	Enhancement of the mechanical properties of graphene nanoplatelet (GNP) reinforced nickel matrix nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141324.	2.6	22
1178	Nanocomposites of multi-walled carbon nanotubes/cobalt ferrite Nanoparticles: Synthesis, structural, dielectric and impedance spectroscopy. Journal of Alloys and Compounds, 2021, 866, 158750.	2.8	15
1179	Recent advances in printable carbon nanotube transistors for large-area active matrices. Journal of Information Display, 2021, 22, 193-209.	2.1	10
1180	Regulating the interfacial reaction between carbon nanotubes and aluminum via copper nano decoration. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 820, 141576	2.6	12

	CITATION	Report	
Article		IF	Citations
Comprehensive review on carbon nanotubes embedded in different metal and polymer fabrications and applications. Critical Reviews in Solid State and Materials Sciences, 20	⁻ matrix:)22, 47, 837-864.	6.8	31
A DFT Study on the Interaction of Doped Carbon Nanotubes with H2S, SO2 and Thiopl Reports, 2021, 3, 366-375.	nene. Quantum	0.6	8
Modeling and Solution of Large Amplitude Vibration Problem of Construction Element Nanocomposites Using Shear Deformation Theory. Materials, 2021, 14, 3843.	s Made of	1.3	9
Green synthesis of S-doped carbon nanotubes via gaseous post-treatment and their ap conductive additive in Li ion batteries. Carbon, 2021, 179, 425-434.	plication as	5.4	15
Emerging coaxial nanostructures for clean energy generation and storage systems: A r Journal of Materials Research, 2021, 36, 4084-4101.	ninireview.	1.2	4
Photocatalyst-enzyme hybrid systems for light-driven biotransformation. Biotechnolog 2022, 54, 107808.	y Advances,	6.0	25
Confined effect of water solution of ciprofloxacin in carbon nanotubes studied by Ram Fourier Transform Infrared Spectroscopy methods. Journal of Molecular Liquids, 2021,	an and 336, 115938.	2.3	16
Application of Carbon Nanoparticles in Oncology and Regenerative Medicine. Internati Molecular Sciences, 2021, 22, 8341.	onal Journal of	1.8	17
A Review on Printed Electronics: Fabrication Methods, Inks, Substrates, Applications ar Environmental Impacts. Journal of Manufacturing and Materials Processing, 2021, 5, 8	nd 9.	1.0	77
Recent Advances and Challenges in Nanodelivery Systems for Antimicrobial Peptides (<i>i</i> Antibiotics, 2021, 10, 990.	AMPs).	1.5	21
Influence of nanofillers on biodegradable composites: A comprehensive review. Polyme 2021, 42, 5691-5711.	er Composites,	2.3	105

1192	A Review on Fracture Analysis of CNT/Graphene Reinforced Composites for Structural Applications. Archives of Computational Methods in Engineering, 2022, 29, 545-582.	6.0	7
1193	Wearable Thermoelectric Materials and Devices for Selfâ€Powered Electronic Systems. Advanced Materials, 2021, 33, e2102990.	11.1	221
1194	Carbon Nanotubes (CNTs) from Synthesis to Functionalized (CNTs) Using Conventional and New Chemical Approaches. Journal of Nanomaterials, 2021, 2021, 1-31.	1.5	45
1195	Enhancing the short-beam strength of composite laminates using helical carbon nanotubes. Composites Part B: Engineering, 2021, 221, 108999.	5.9	9
1196	Dependence of secondary operations in powder metallurgy and their impact on the electrical conductivity of MWCNTs/Cu nanocomposites. Materials Today: Proceedings, 2022, 49, 2143-2148.	0.9	1
1197	Strengthening effects of multi-walled carbon nanotubes reinforced nickel matrix nanocomposites. Journal of Alloys and Compounds, 2021, 876, 159981.	2.8	16
1198	Highly-energy efficient oxidation of MWCNT with nanosecond pulsed dielectric barrier discharge plasma. Applied Surface Science, 2021, 563, 150139.	3.1	10

#

#	Article	IF	CITATIONS
1199	Structural and electronic properties of S-graphene nanotubes: A density functional theory study. Diamond and Related Materials, 2021, 118, 108520.	1.8	10
1200	Prediction and optimization of the thermal transport in hybrid carbon-boron nitride honeycombs using machine learning. Carbon, 2021, 184, 492-503.	5.4	4
1201	Hybrid hierarchical homogenization theory for unidirectional CNTs-coated fuzzy fiber composites undergoing inelastic deformations. Composites Science and Technology, 2021, 215, 109012.	3.8	13
1202	Green synthesis of carbon nanotubes impregnated with metallic nanoparticles: Characterization and application in glyphosate adsorption. Chemosphere, 2021, 283, 131193.	4.2	42
1203	Influence of spherical-shaped carbon nanoparticles on the mechanical properties of a foamed sugarcane bagasse/polypropylene composite. Industrial Crops and Products, 2021, 172, 114041.	2.5	5
1204	Advancement and challenges in MOSFET scaling. Materials Science in Semiconductor Processing, 2021, 134, 106002.	1.9	67
1205	A comprehensive review of template-synthesized multi-component nanowires: From interfacial design to sensing and actuation applications. Sensors and Actuators Reports, 2021, 3, 100029.	2.3	15
1206	Carbon nanotubes as an emerging nanocarrier for the delivery of doxorubicin for improved chemotherapy. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112044.	2.5	51
1207	Miniferritins: Small multifunctional protein cages. Coordination Chemistry Reviews, 2021, 449, 214187.	9.5	10
1208	Boron doped carbon nanotubes: Synthesis, characterization and emerging applications – A review. Chemical Engineering Journal, 2022, 427, 131616.	6.6	78
1209	Multiwalled carbon nanotubes/guanidine/Ni (II): A new and effective organometallic catalyst for the green synthesis of pyrazolopyranopyrimidines. Applied Organometallic Chemistry, 2021, 35, e6142.	1.7	4
1210	Thermally Conductive Nanocomposites. , 2021, , 115-136.		0
1211	Utilization of carbon allotropes with special reference to carbon nanotubes and graphene for the high performance of natural rubber. , 2021, , 203-246.		3
1212	Ternary nanocomposites for supercapattery. , 2021, , 141-173.		2
1213	Carbon Nanotube Alignment Techniques and Their Sensing Applications. Advances in Sustainability Science and Technology, 2021, , 307-348.	0.4	0
1214	Nanostructures: categories, formation procedures, and synthesis. , 2021, , 105-145.		0
1215	Revisiting anodic alumina templates: from fabrication to applications. Nanoscale, 2021, 13, 2227-2265.	2.8	153
1216	Soft X-ray emission spectroscopy for the electronic state of water molecules influenced by plasma-treated multi-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2021, 23, 10468-10474.	1.3	4

#	Article	IF	CITATIONS
1217	Nanomaterials: a review of synthesis methods, properties, recent progress, and challenges. Materials Advances, 2021, 2, 1821-1871.	2.6	1,049
1218	"Synthesis of carbon nanomaterials by chemical vapor deposition method using green chemistry principlesâ€: , 2021, , 273-314.		5
1219	Interface design of carbon filler/polymer composites for electromagnetic interference shielding. New Journal of Chemistry, 2021, 45, 8370-8385.	1.4	10
1220	A reactive molecular dynamics study on the mechanical properties of a recently synthesized amorphous carbon monolayer converted into a nanotube/nanoscroll. Physical Chemistry Chemical Physics, 2021, 23, 9089-9095.	1.3	8
1221	An Interdigital Planar Energy Harvesting/Storage Device Based On an Ionic Solid–Gel Polymer. ACS Applied Electronic Materials, 2021, 3, 696-703.	2.0	12
1222	Raman spectroscopy for carbon nanotube applications. Journal of Applied Physics, 2021, 129, .	1.1	212
1224	Single–Walled Carbon Nanotubes for High Performance Thin Film Electronics. Integrated Circuits and Systems, 2009, , 211-246.	0.2	3
1225	Characteristics of Carbon Nanotubes. Springer Series in Materials Science, 2020, , 179-214.	0.4	20
1226	Carbon Materials From Various Sources for Composite Materials. , 2020, , 3-33.		2
1227	Multiscale Modeling of Multifunctional Fuzzy Fibers Based on Multi-Walled Carbon Nanotubes. Springer Series in Materials Science, 2014, , 135-176.	0.4	5
1228	Mechanical Properties of Epoxy/Thermoplastic Blends. , 2017, , 743-774.		6
1229	Nanomaterials for Water Remediation: Synthesis, Application and Environmental Fate. , 2017, , 25-60.		7
1230	Nanotechnology in Civil Engineering. Lecture Notes in Networks and Systems, 2019, , 585-589.	0.5	2
1231	Fire-Retardant Mechanisms in Polymer Nano-Composite Materials. , 2007, , 87-108.		7
1232	Carbon Nanotube TFTs. , 2012, , 751-776.		1
1234	Carbon Nanotubes in Agriculture: Production, Potential, and Prospects. , 2019, , 121-130.		7
1235	Effects of carbon nanotube weight fraction on the fracture toughness of spark plasma sintered nickel aluminide-NiAl3. Materials Today: Proceedings, 2020, 28, 625-629.	0.9	1
1236	Mechanical and strain sensing properties of carbon nanotube reinforced epoxy/poly(caprolactone) blends. Polymer, 2020, 190, 122236.	1.8	17

#	Article	IF	CITATIONS
1237	Recent developments in pre-treatment and analytical techniques for synthetic polymers by MALDI-TOF mass spectrometry. Analytical Methods, 2020, 12, 5767-5800.	1.3	12
1239	Selective synthesis of DC carbon arc-generated carbon nanotube and layered-graphene and the associated mechanism. Nanotechnology, 2021, 32, 105602.	1.3	3
1240	Fatigue crack growth identification in bonded joints by using carbon nanotube doped adhesive films. Smart Materials and Structures, 2020, 29, 035032.	1.8	18
1241	Bernoulli-Euler beam theory of single-walled carbon nanotubes based on nonlinear stress-strain relationship. Materials Research Express, 2020, 7, 125003.	0.8	7
1242	Starch-based nanocomposites. , 2009, , 205-251.		11
1243	Carbon Nanotube-Metal Matrix Composites. , 2008, , 611-619.		2
1244	Carbon nanomaterials enhanced cement-based composites: advances and challenges. Nanotechnology Reviews, 2020, 9, 115-135.	2.6	62
1245	Influence of Catalyst Preparation on Synthesis of Multi-Walled Carbon Nanotubes. IEICE Transactions on Electronics, 2009, E92-C, 1421-1426.	0.3	3
1246	AC electrical and dielectric properties of PVC-MWCNT nanocomposites. Indian Journal of Science and Technology, 2011, 4, 731-735.	0.5	14
1247	Multi-walled Carbon Nanotubes Reinforced into Hollow Fiber by Chitosan Sol-gel for Solid/Liquid Phase Microextraction of NSAIDs from Urine Prior to HPLC-DAD Analysis. Current Pharmaceutical Biotechnology, 2019, 20, 390-400.	0.9	6
1248	Carbon Nanostructures in Bone Tissue Engineering. The Open Orthopaedics Journal, 2016, 10, 877-899.	0.1	24
1249	Carbon Nanotube: A Versatile Carrier for Various Biomedical Applications. Drug Delivery Letters, 2014, 4, 156-169.	0.2	3
1251	Carbon Nanotube Structures and Compositions. , 2007, , 7-18.		4
1254	Carbon-Based Nanomaterials for Desulfurization. Advances in Chemical and Materials Engineering Book Series, 2016, , 154-179.	0.2	6
1255	The Effect of Diffusion Barrier and thin Film Deposition Temperature on Change of Carbon Nanotubes Length. Journal of Korean Powder Metallurgy Institute, 2017, 24, 248-253.	0.2	2
1256	Spectroscopic Studies of Nanocomposites Based on PEO/PVDF Blend Loaded by SWCNTs. Journal of Modern Physics, 2015, 06, 414-424.	0.3	10
1257	A Study on Electrical and Thermal Properties of Polyimide/MWNT Nanocomposites. Bulletin of the Korean Chemical Society, 2010, 31, 2279-2282.	1.0	21
1258	Preparation of Conductive Leather Gloves for Operating Capacitive Touch Screen Displays. Fashion & Textile Research Journal, 2012, 14, 1018-1023.	0.1	5

#	Article	IF	CITATIONS
1259	Synthesis, Characterization and Adsorption Studies of Chlorine–doped Carbon Nanotubes. Advances in Materials Science and Applications, 2015, 4, 53-62.	0.7	3
1260	Biomedical Application of Carbon Nanotubes for Proteins Extraction and Seperation. Journal of Pharmacy and Nutrition Sciences (discontinued), 2016, 6, 126-143.	0.2	2
1261	Preparation and Characterization of CdSe-Decorated Multiwalled Carbon Nanotube Composites. Japanese Journal of Applied Physics, 2011, 50, 01BJ12.	0.8	2
1262	Calculation the Thermal Conductivity of Nanofluids Containing Aligned Ultralong Single Walled Carbon Nanotubes. Physical Science International Journal, 2016, 10, 1-8.	0.3	2
1263	Mechanical properties and structural health monitoring performance of carbon nanotube-modified FRP composites: A review. Nanotechnology Reviews, 2021, 10, 1438-1468.	2.6	14
1264	Carbon nanotubes for production and storage of hydrogen: challenges and development. Chemical Papers, 2022, 76, 609-625.	1.0	5
1266	Synthesis of Carbon Nanotubes on a Moving Substrate by Laser-Induced Chemical Vapor Deposition. , 2005, , .		0
1268	Improved Carbon Materials for Nanomanufacturing Applications. , 2006, , 281-312.		0
1269	The Einstein Relation in Quantum Wires of Compound Semiconductors. Springer Series in Materials Science, 2009, , 197-233.	0.4	0
1271	Carbon Nanotubes, Thermo-mechanical and Transport Properties of. , 2009, , 689-703.		Ο
1272	Thermoelectric Power in Ultrathin Films and Quantum Wires Under Large Magnetic Field. Springer Series in Materials Science, 2010, , 95-144.	0.4	0
1273	Thermal management by using high thermal conductivity copper with un-bundled CNTs. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2010, 18, 56-61.	0.0	0
1274	Ultrafine Grained Bulk Al Matrix Carbon Nanotube Composites Processed by High Pressure Torsion. Transactions of Materials Processing, 2010, 19, 423-428.	0.1	5
1276	ITO Replacements: Carbon Nanotubes. , 2012, , 795-808.		0
1277	The EEM in Nanowires of Non-Parabolic Semiconductors. Springer Series in Materials Science, 2012, , 175-224.	0.4	0
1278	Synthesis and Characterization of Al, Cu, Zn, Mg-Kapok carbon fiber composites. Scientific Research and Essays, 2012, 7, .	0.1	0
1279	Synthesis and Characterization of Air-Stable Elemental Fe Thin Films by Chemical Vapor Deposition of Fe ₃ (CO) ₁₂ . Journal of Surface Engineered Materials and Advanced Technology, 2013, 03, 217-223.	0.2	1
1280	Carbon Nanotubes: Bearing Stress Like Never Before. California Agriculture, 2013, 18, .	0.0	0

#	Article	IF	CITATIONS
1281	Design Challenges and Considerations for Nanomedical Electronic Entities and Infrastructure. , 2013, , 207-258.		0
1282	Conductive Probe Microscopy Investigation of Electrical and Charge Transport in Advanced Carbon Nanotubes and Nanofibers-Polymer Nanocomposites. Advances in Chemical and Materials Engineering Book Series, 2014, , 343-375.	0.2	0
1285	Carbon Nanotube TFTs. , 2015, , 1-33.		0
1286	ITO Replacements: Carbon Nanotubes. , 2015, , 1-18.		0
1287	Role of Top and Interlayer Metal Nanoparticle Grafting on CNTs: Improved Raman Scattering and Electron Emission Investigations. , 2015, , 58-81.		0
1289	Highly conductive MWNT/silicone composite with low density MWNT bundles. International Symposium on Microelectronics, 2015, 2015, 000638-000643.	0.3	0
1290	Characterization of Nanocomposite Membranes. , 2015, , 104-133.		1
1291	Materials and Technologies. , 2016, , 699-731.		1
1292	Research on the Improvement on the Performance of Thermal Underwear Based on the Demands of Chinese Consumers. Journal of Fashion Technology & Textile Engineering, 2017, 05, .	0.1	0
1294	Main Allotropes of Carbon. Advances in Chemical and Materials Engineering Book Series, 2017, , 185-213.	0.2	3
1295	Fabrication of Back Gate CNTFET Toward the DNA Sensor Application. IFMBE Proceedings, 2018, , 375-379.	0.2	0
1296	Renewable Bio-anodes for Microbial Fuel Cells. , 2018, , 1-16.		1
1297	Pt Decorating Effect on CNT Surface Towards Adsorption of SF6 Decomposed Components. Minerals, Metals and Materials Series, 2018, , 921-928.	0.3	0
1298	Preparation of Element-Block Materials Using Inorganic Nanostructures and Their Applications. , 2019, , 219-241.		0
1299	Simulation of static and dynamic mechanical characteristics of carbon nanotubes and carbon nano-peapods with defects. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 166101.	0.2	1
1300	Renewable Bio-anodes for Microbial Fuel Cells. , 2019, , 1167-1182.		0
1301	Nanoparticles-based Electrochemical Sensors and Biosensors. RSC Catalysis Series, 2019, , 329-345.	0.1	2
1302	Architect of Polymer Nanocomposites for Aerospace Applications. Advances in Chemical and Materials Engineering Book Series, 2019, , 163-205.	0.2	1

ARTICLE IF CITATIONS Plasma deposition of carbon-silicon nanocomposite for microelectromechanical applications., 2019, 1303 0 AL2024 Kompozitlerin Aşınma KarakteristiÄŸi. El-Cezeri Journal of Science and Engineering, 0, , . 0.1 Development of NH₃ Gas Sensors at Room Temperature Based on Modified Carbon 1307 0.4 6 Nanotubes. Materials Transactions, 2020, 61, 1540-1543. Engineered Magnetic Carbon-Based Adsorbents for the Removal of Water Priority Pollutants: An Overview. Adsorption Science and Technology, 2021, 2021, 1-41. Structural and Optical Properties of ZnO Nanorods Thin Films Prepared Using Hydrothermal 1309 0.0 0 Technique and Effect of growth time. Journal of Kufa Physics, 2020, 12, 76-88. Junction-Producing Algorithm Connecting Carbon Nanotube to Carbon Nanocone to Obtain Funnel-Like Nanostructure: Nanochimney Generator. Coatings, 2020, 10, 1267. 1.2 Development of electrically conductive polymer nanocomposites for the automotive cable industry. 1311 0.2 2 Polimeros, 2021, 31, . Conductive Nanostructured Scaffolds for Guiding Tissue Regeneration., 2020,, 39-90. A Transparent Conductive Material Based Circularly Polarized Nano-antenna for THz Applications. 1314 4 2020, , . Mechanical Behaviour of Carbon Nanotubes. Advances in Mechatronics and Mechanical Engineering, 1.0 2020, , 32-46. Fabrication and Characterization of a Microfluidic Device with Vertically Aligned Multi Walled 1316 0.5 1 Carbon Nanotube Channels. IFAC-PapersOnLine, 2020, 53, 11761-11766. Influência do teor de molibdênio em catalisadores de cobalto e molibdênio suportado em óxido de 0.1 magnésio para a produção de nanotubos de carbono. Revista Materia, 2020, 25, . Advances in Carbon-Based Nanocomposites for Deep Adsorptive Desulfurization. Advances in Chemical 1318 0.2 0 and Materials Engineering Book Series, 2020, , 63-91. Nanomaterials and Nanoprocesses for the Removal and Reuse of Heavy Metals., 2020, , 1-12. 1319 Effects of Helical Carbon Nanotubes on Mechanical Performance of Laminated Composites and 1320 2 Bonded Joints., 0,,. Carbon nanotubes: a review on green synthesis, growth mechanism and application as a membrane 2.1 14 filter for fluoride remediation. Green Chemistry Letters and Reviews, 2021, 14, 647-664. Strengthening efficiency competition between carbon nanotubes (CNTs) and in-situ Al4C3 nanorods in 1322 CNTs/Al composites influenced by alumina characteristics. Composites Part A: Applied Science and 3.8 16 Manufacturing, 2022, 152, 106704. The application of one-dimensional nanostructures in terahertz frequency devices. Applied Physics 5.5 Reviews, 2021, 8, .
#	Article	IF	CITATIONS
1324	Elektro Eğirme Yöntemiyle Üretilen TiO2-RGO Kompozit Tabanlı Kuantum Nokta Duyarlı Güneş Pilleri. Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, 0, , .	0.1	0
1325	CARBON NANOTUBES AS POLYMER BUILDING BLOCKS. , 2006, , 223-224.		0
1326	NANOSTRUCTURED CARBON MATERIALS BASED ON IR-PYROLIZED POLYACRYLONITRILE. , 2007, , 577-586.		0
1327	FORMATION OF CARBON NANOSTRUCTURES DURING IR-PYROLYSIS OF POLYACRYLONITRILE IN PRESENCE OF Fe AND Co. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 357-364.	0.1	0
1328	From Unidimensional Carbonaceous Materials to Multidimensional Structures Through Molecular Modeling. , 2021, , 1-21.		0
1329	GRAPHENE- AND GRAPHITE OXIDE-REINFORCED MAGNESIUM OXYCHLORIDE CEMENT COMPOSITES FOR THE CONSTRUCTION USE. Ceramics - Silikaty, 2020, , 38-47.	0.2	1
1330	Water Jet as a Promising Tool to Disperse Carbon Nanotubes in Water Solution. Lecture Notes in Mechanical Engineering, 2021, , 67-72.	0.3	0
1331	Removal of Pesticides Using Carbon-Based Nanocomposite Materials. Green Energy and Technology, 2021, , 365-385.	0.4	3
1332	Advent of Graphene Oxide and Carbon Nanotubes in Removal of Heavy Metals from Water: A Review. Lecture Notes in Civil Engineering, 2021, , 209-224.	0.3	1
1333	Graphene selfâ€switching diodeâ€based thermoelectric rectifier. Electronics Letters, 2020, 56, 1069-1072.	0.5	3
1334	Purification Techniques for Cheap Multi –Walled Carbon Nanotubes. Journal of Physics: Conference Series, 2020, 1660, 012022.	0.3	1
1335	Water treatment and environmental remediation applications of carbon-based nanomaterials. , 2022, , 229-311.		0
1336	Polymer-based nanocomposites reinforced with functionalized-MWCNT and their utilizing as sorbent for removal of MB and Cd2+ ion from water media: A review. Journal of Organometallic Chemistry, 2022, 957, 122170.	0.8	12
1337	Design principles for bacteria-responsive antimicrobial nanomaterials. Materials Today Chemistry, 2022, 23, 100606.	1.7	20
1338	Cell Chirality as a Novel Measure for Cytotoxicity. Advanced Biology, 2022, 6, e2101088.	1.4	4
1339	Electrochemistry and Determination of an Antiviral Drug at Ionic Liquids Crystals-Carbon Nanotubes Modified Glassy Carbon Electrode. Journal of the Electrochemical Society, 2021, 168, 116512.	1.3	9
1340	Experimental and Simulation Research on the Preparation of Carbon Nano-Materials by Chemical Vapor Deposition. Materials, 2021, 14, 7356.	1.3	5
1341	Synergistic effect of hybridized TNT@GO fillers in CTA-based mixed matrix membranes for selective CO2/CH4 separation. Separation and Purification Technology, 2022, 282, 120128.	3.9	12

#	Article	IF	CITATIONS
1342	Recent Insights and Multifactorial Applications of Carbon Nanotubes. Micromachines, 2021, 12, 1502.	1.4	10
1344	Electrical Impedance-Based Electronic Tongues. , 2023, , 567-590.		3
1345	Lightweight MWCNT/hollow mesoporous carbon/WPU composite material with excellent electromagnetic shielding performance. RSC Advances, 2021, 11, 37194-37204.	1.7	9
1346	The boosting of electrocatalytic CO2-to-CO transformation by using the carbon nanotubes-supported PCN-222(Fe) nanoparticles composite. Journal of Materials Science, 2022, 57, 526-537.	1.7	9
1347	A new frontier in switchable bioelectronics and bionanotechnology interfaces. , 2022, , 25-42.		0
1348	Nanotechnology and Nanomaterials for Medical Applications. Materials Horizons, 2022, , 63-87.	0.3	2
1349	Strategies for area-selective deposition of metal nanoparticles on carbon nanotubes and their applications: a review. Journal of Materials Science, 2022, 57, 2362-2387.	1.7	7
1350	Enzyme immobilized nanomaterials. , 2022, , 17-65.		0
1351	Application of Nanofluids in Gas Turbine and Intercoolers—A Comprehensive Review. Nanomaterials, 2022, 12, 338.	1.9	4
1352	A general review on the use of advance oxidation and adsorption processes for the removal of furfural from industrial effluents. Microporous and Mesoporous Materials, 2022, 331, 111638.	2.2	46
1353	Effect of Curing Temperature of Epoxy Matrix on the Electrical Response of Carbon Nanotube Yarn Monofilament Composites. Journal of Composites Science, 2022, 6, 43.	1.4	3
1354	Nanobiomaterials for medical devices and implants. , 2022, , 235-272.		3
1355	Vertically Aligned Carbon Nanotubes as a Unique Material for Biomedical Applications. ACS Applied Materials & Interfaces, 2022, 14, 6287-6306.	4.0	21
1356	Gel Chromatography for Separation of Single-Walled Carbon Nanotubes. Gels, 2022, 8, 76.	2.1	3
1357	Density functional theory method for twisted geometries with application to torsional deformations in group-IV nanotubes. Journal of Computational Physics, 2022, 456, 111023.	1.9	6
1358	Multistage carbon nanotubes grown on foamed nickel with organic solutions as multifunctional high performance electrodes. Diamond and Related Materials, 2022, 123, 108807.	1.8	1
1359	Characterization and electrical analysis of carbon-based solid lubricant coatings. Carbon Trends, 2022, 7, 100156.	1.4	9
1360	Significant reinforcement of mechanical properties in laser welding aluminum alloy with carbon nanotubes added. Carbon, 2022, 191, 36-47.	5.4	13

#	Article	IF	CITATIONS
1361	Nanostructured Materials: A Review on Its Application in Water Treatment. Minerals, Metals and Materials Series, 2022, , 1172-1180.	0.3	22
1363	Rotating Flow in a Nanofluid with CNT Nanoparticles over a Stretching/Shrinking Surface. Mathematics, 2022, 10, 7.	1.1	16
1364	Carbon nanotubes obtained from commercial resins with different treatment temperatures. New Journal of Chemistry, 0, , .	1.4	0
1365	Structural and Electronic Properties of Single- and Double-Walled Ben4 Nanotubes: First-Principles Calculations. SSRN Electronic Journal, 0, , .	0.4	0
1367	Electrical conductivity of metal oxide–carbon composites. , 2022, , 61-74.		1
1368	Classification of nanomaterials and their physical and chemical nature. , 2022, , 7-34.		1
1369	Facile detection of pesticides using atmospheric pressure matrix-assisted laser desorption ionization mass spectrometry with multi-walled carbon nanotubes-based matrix. Chinese Chemical Letters, 2023, 34, 107286.	4.8	2
1372	Intrinsic and Extrinsic Incorporation of Indium and Singleâ€Walled Carbon Nanotubes for Improved ZnOâ€Based DSSCs. Advanced Energy Materials, 2022, 12, .	10.2	8
1373	Electrical Generation of Polarized Broadband Radiation from an On-Chip Aligned Carbon Nanotube Film. , 2022, 4, 626-633.		5
1374	First-principles study on electronic and optical properties of single-walled carbon nanotube under an external electric field. Journal of Molecular Modeling, 2022, 28, 97.	0.8	5
1375	Novel Terahertz Spectroscopy Analysis for the Electrode with Carbon Nanotubes (CNTs) in Lithium-Ion Batteries. Energies, 2022, 15, 2665.	1.6	0
1376	Influence of internal stresses on stability of multilayer micropolar tubes. Mathematics and Mechanics of Solids, 0, , 108128652210868.	1.5	0
1377	Compressive behavior of CNT-reinforced aluminum matrix composites under various strain rates and temperatures. Ceramics International, 2022, 48, 10299-10310.	2.3	11
1378	A Critical Review of the Role of Carbon Nanotubes in the Progress of Next-Generation Electronic Applications. Journal of Electronic Materials, 2022, 51, 2786-2800.	1.0	53
1379	Recent Progress in Carbon Electrodes for Efficient and Cost-Benign Perovskite Optoelectronics. Electronic Materials Letters, 2022, 18, 232-255.	1.0	9
1380	Single-walled carbon nanotube buckypaper as support for highly permeable double layer polyamide/zeolitic imidazolate framework in nanofiltration processes. Journal of Membrane Science, 2022, 652, 120490.	4.1	9
1381	Structural and electronic properties of single- and double-walled BeN4 nanotubes: First-principles calculations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 438, 128108.	0.9	6
1382	Polymorphism of low-dimensional material with ternary composition chalcogenide Ta2Ni3Se8. Journal of Alloys and Compounds, 2022, 907, 164463.	2.8	2

#	Article	IF	CITATIONS
1383	Nanocarrier-Based Approaches for the Efficient Delivery of Anti-Tubercular Drugs and Vaccines for Management of Tuberculosis. Frontiers in Pharmacology, 2021, 12, 749945.	1.6	8
1384	Bending characteristics of carbon nanotubes: Micropolar elasticity models and molecular dynamics simulations. Mechanics of Advanced Materials and Structures, 2023, 30, 189-206.	1.5	9
1385	Nanotechnology to treat the environmental micropollutants. , 2022, , 407-441.		1
1386	Recovery of Biophenols from Olive Vegetation Waters by Carbon Nanotubes. Materials, 2022, 15, 2893.	1.3	5
1387	Reduction of 1/f Noise in Single-Walled Carbon Nanotubes (SWCNTs) Using Gas Adsorption Technique. Adsorption Science and Technology, 2022, 2022, .	1.5	19
1388	Carbon-based radar absorbing materials: A critical review. Journal of Science: Advanced Materials and Devices, 2022, 7, 100454.	1.5	33
1394	NONLINEAR FRACTURE ANALYSIS OF CARBON NANOTUBES WITH STONE-WALES DEFECTS. , 2014, , .		0
1395	Novel trends for synthesis of carbon nanomaterial-based sensors. , 2022, , 29-42.		1
1397	A concise review on the removal of heavy metals from wastewater using adsorbents. Materials Today: Proceedings, 2022, , .	0.9	6
1398	Propagation of supersonic excitations through the carbon nanotube forest. , 2022, , .		0
1399	Structural Study of Sulfur-Added Carbon Nanohorns. Materials, 2022, 15, 3412.	1.3	1
1400	Evidence of in-depth incorporation of carbon nanotubes in alumina layers grown by plasma electrolytic oxidation. Surface and Coatings Technology, 2022, 440, 128489.	2.2	1
1401	Comprehensive review on polymer composites as electromagnetic interference shielding materials. Polymers and Polymer Composites, 2022, 30, 096739112211021.	1.0	8
1403	Nanocomposites of Carbon Nanotubes for Electrochemical Energy Storage Applications. Advances in Material Research and Technology, 2022, , 245-265.	0.3	1
1404	Approaching the Limits of Aspect Ratio in Free‧tanding Al ₂ O ₃ 3D Shell Structures. Advanced Engineering Materials, 2022, 24, .	1.6	2
1405	Application of Nitric Acid Modified Multiâ€Walled Carbon Nanotubes for Efficient Removal of Methylene Blue in Aqueous Solution. ChemistrySelect, 2022, 7, .	0.7	1
1406	Mobility of Polymer Melts in a Regular Array of Carbon Nanotubes. Journal of Chemical Theory and Computation, 2022, 18, 3285-3295.	2.3	1
1407	Hydrogel Nanoarchitectonics: An Evolving Paradigm for Ultrasensitive Biosensing. Small, 2022, 18, .	5.2	31

#	Article	IF	Citations
1408	Carbon-based nanocomposite materials with multifunctional attributes for environmental remediation of emerging pollutants. Chemosphere, 2022, 303, 135054.	4.2	11
1409	<i>In vitro</i> toxicity of carbon nanotubes: a systematic review. RSC Advances, 2022, 12, 16235-16256.	1.7	30
1410	Nanomaterials and printing techniques for 2D and 3D soft electronics. Nano Futures, 0, , .	1.0	1
1411	Incorporating Carbon Nanotubes in Nanocomposite Mixed-Matrix Membranes for Gas Separation: A Review. Membranes, 2022, 12, 589.	1.4	16
1412	Do Carbon Nanotubes and Asbestos Fibers Exhibit Common Toxicity Mechanisms?. Nanomaterials, 2022, 12, 1708.	1.9	15
1413	Polyimide Copolymers and Nanocomposites: A Review of the Synergistic Effects of the Constituents on the Fire-Retardancy Behavior. Energies, 2022, 15, 4014.	1.6	7
1414	Temozolomide Efficacy and Metabolism: The Implicit Relevance of Nanoscale Delivery Systems. Molecules, 2022, 27, 3507.	1.7	5
1416	Protective textiles in defence and ballistic protective clothing. , 2022, , 689-749.		4
1417	A Brief Overview on Facile Synthesis and Challenging Properties of Graphene Nanocomposite: State-of-the-art. Asian Journal of Chemistry, 2022, 34, 1603-1612.	0.1	0
1418	Emerging Trends in Biomass-Derived Carbon-Supported Metal Nanostructures as Efficient Electrocatalysts for Critical Electrochemical Reactions in Low Temperature Fuel Cell Applications. ACS Symposium Series, 0, , 225-256.	0.5	3
1419	Engineering plants with carbon nanotubes: a sustainable agriculture approach. Journal of Nanobiotechnology, 2022, 20, .	4.2	31
1420	Impact of different structural defects on fundamental properties of blue phosphorene nanotubes. Computational Condensed Matter, 2022, 32, e00701.	0.9	10
1421	Recent Advances in Polymer Nanocomposites for Electromagnetic Interference Shielding: A Review. ACS Omega, 2022, 7, 25921-25947.	1.6	35
1422	Nonlocal longitudinal vibration in a nanorod, a system theoretic analysis. Mathematical Modelling of Natural Phenomena, 2022, 17, 24.	0.9	1
1423	Antitumor Applications of Photothermal Agents and Photothermal Synergistic Therapies. International Journal of Molecular Sciences, 2022, 23, 7909.	1.8	23
1424	Correlation between microstructure and mechanical properties of AlMg6/CNT-Al composite produced by accumulative roll bonding process: Experimental and modelling analysis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 850, 143559.	2.6	8
1426	Multiwalled Carbon Nanotube Purification Probed by Electrochemistry: Lowâ€Temperature Chlorine Gas Treatment Meets Highâ€Temperature Annealing. ChemNanoMat, 2022, 8, .	1.5	1
1428	The Mechanical and Thermal Properties of Cement CAST Mortar/Graphene Oxide Composites Materials. International Journal of Concrete Structures and Materials, 2022, 16, .	1.4	8

#	Article	IF	CITATIONS
1429	Fabrication method of flexible strain sensors with CNTs and solvents. Sensors and Actuators A: Physical, 2022, 345, 113775.	2.0	14
1430	Synthesis and Analysis of Impregnation on Activated Carbon in Multiwalled Carbon Nanotube for Cu Adsorption from Wastewater. Bioinorganic Chemistry and Applications, 2022, 2022, 1-8.	1.8	22
1431	Additive manufacturing (3D printing) of electrically conductive polymers and polymer nanocomposites and their applications. EScience, 2022, 2, 365-381.	25.0	54
1432	Development of Carbon Nanotube (CNT)-Reinforced Mg Alloys: Fabrication Routes and Mechanical Properties. Metals, 2022, 12, 1392.	1.0	32
1433	Antifouling Performance of Carbon-Based Coatings for Marine Applications: A Systematic Review. Antibiotics, 2022, 11, 1102.	1.5	12
1434	Recent Advances in Carbon Nanomaterials Based SPR Sensor for Biomolecules and Gas Detection—A Review. IEEE Sensors Journal, 2022, 22, 15661-15672.	2.4	29
1435	Achieving remarkable enhancement on electromagnetic shielding performance in multi-walled carbon nanotube/polydimethylsiloxane composites via adding a small amount of metal micro-particles as scattering points. Composites Part A: Applied Science and Manufacturing, 2022, 162, 107135.	3.8	12
1436	Highly resilient antibacterial composite polyvinyl alcohol hydrogels reinforced with CNT-NZnO by forming a network of hydrogen and coordination bonding. Journal of Polymer Research, 2022, 29, .	1.2	7
1437	Shock loading of carbon nanotube bundle. Mechanics of Materials, 2022, 174, 104460.	1.7	5
1438	Strategies for improving friction behavior based on carbon nanotube additive materials. Tribology International, 2022, 176, 107875.	3.0	32
1439	Recent advances in the electrochemical sensing of lung cancer biomarkers. Biosensors and Bioelectronics: X, 2022, 12, 100235.	0.9	1
1440	Scattering and spectroscopy studies of nanoparticles-based polymer composites. , 2022, , 181-196.		0
1441	Deep eutectic solvent-assisted synthesis of poly(furfuryl alcohol) grafted carbon nanotubes: a metal free electrocatalyst for non-enzymatic glucose detection. New Journal of Chemistry, 2022, 46, 15799-15803.	1.4	3
1442	Preparation of 1D, 2D, and 3D nanomaterials for water treatment. , 2022, , 1-22.		1
1443	Plant Mediated Nanocomposites for Water Remediation. , 2022, , 277-298.		0
1444	Physical Characterization and Material Properties of Epoxy Matrix Nanocomposites Containing Functionalized Single-Walled Carbon Nanotubes. SSRN Electronic Journal, 0, , .	0.4	0
1445	Mechanical properties of nanotubes. , 2022, , 445-480.		1
1446	Experimental investigation and finite element modelling of PMMA/carbon nanotube nanobiocomposites for bone cement applications. Soft Matter, 2022, 18, 6800-6811.	1.2	4

#	Article	IF	Citations
1447	Effects of different factors on the heat and electrical conduction properties of carbon nanotube reinforced composite materials. SSRN Electronic Journal, 0, , .	0.4	0
1448	Green Synthesis of Carbon Nanomaterials. , 2022, , 1-18.		Ο
1449	Applications of nanotubes in preparation of polymer composite materials. , 2022, , 557-578.		0
1450	Carbon Nanotube Based Nanomaterials for Solar Energy Storage Devices. Current and Future Developments in Nanomaterials and Carbon Nanotubes, 2022, , 1-18.	0.1	2
1451	Innovative exploration of additive incorporated biopolymer-based composites. Scientific African, 2022, 17, e01359.	0.7	8
1452	Low temperature electrical behavior of PEDOT:PSS polymer composites reinforced with single/multi-walled carbon nanotubes. Molecular Crystals and Liquid Crystals, 0, , 1-7.	0.4	1
1453	Selfâ€supported singleâ€wall carbon nanotube buckypaper membranes applied to air and water filtration. Journal of Chemical Technology and Biotechnology, 2023, 98, 159-167.	1.6	1
1454	Single-step synthesis of graphene nanosheets-carbon nanotubes hybrid structure by chemical vapor deposition of methane using Fe-Mo-MgO catalysts. Fullerenes Nanotubes and Carbon Nanostructures, 2023, 31, 109-119.	1.0	1
1455	Mechanical and thermal properties of carbon nanotubes in carbon nanotube fibers under tension–torsion loading. RSC Advances, 2022, 12, 30085-30093.	1.7	5
1456	Prediction of the electronic structure of single-walled GeS nanotubes. RSC Advances, 2022, 12, 29291-29299.	1.7	1
1457	The Role of Interfaces in Ionic Liquidâ€Based Hybrid Materials (Ionogels) for Sensing and Energy Applications. Advanced Materials Interfaces, 2022, 9, .	1.9	15
1458	Application of Surface Modified Carbon Nanotubes Combined with Deep Eutectic Solvents in Analytical Chemistry. ACS Symposium Series, 0, , 195-217.	0.5	0
1459	Graphene and Carbon Nanotubes (CNTs)-Based Biosensor for Life Sciences Applications. Smart Innovation, Systems and Technologies, 2023, , 61-79.	0.5	1
1460	Surface Modified Carbon Nanotubes in Food Packaging. ACS Symposium Series, 0, , 199-233.	0.5	0
1461	Effect of Graphene Morphology on the Microstructure, Mechanical and Tribological Behavior of Nickel Matrix Composites. Jom, 0, , .	0.9	4
1462	Multiwalled Carbon Nanotubes Polylactide Composites for Electrical Engineering—Fabrication and Electrical Properties. Electronics (Switzerland), 2022, 11, 3180.	1.8	1
1463	Click-Chemistry-Mediated Synthesis of Silver Nanoparticle-Supported Polymer-Wrapped Carbon Nanotubes: Glucose Sensor and Antibacterial Material. ACS Omega, 2022, 7, 37095-37102.	1.6	3
1464	Carbon Nanotubes Coupled with Silica Toroid Microcavities as Emitters for Silicon-Integrated Photonics. ACS Applied Nano Materials, 2022, 5, 14328-14335.	2.4	0

# 1465	ARTICLE Coulomb interactions and the problem of stability of inorganic nanotubes. Doklady Physical Chemistry, 2004, 399, 293-297.	IF 0.2	CITATIONS
1466	A Miniaturized Ionization Vacuum Sensor Based on Thermionic Electron Emission From Carbon Nanotubes. IEEE Transactions on Electron Devices, 2023, 70, 2872-2875.	1.6	1
1467	Carbon Nanotube Growth Mechanisms. , 2022, , 57-87.		0
1468	Multifunctional Applications of Carbon Nanotube–Based Polymer Composites. , 2022, , 1923-1936.		0
1469	Laser Growth of Multi-Walled Carbon Nanotube Thin Films. , 2022, , .		0
1470	Role of Carbon Nanotube for Flexible Supercapacitor Application. , 0, , .		0
1471	Conductivity inversion of methyl viologen-modified random networks of single-walled carbon nanotubes. Carbon, 2023, 202, 214-220.	5.4	2
1472	Synthesis Methods of Carbon Nanotubes. , 2022, , 25-56.		1
1473	Heteroatoms-Doped Carbon Nanotubes for Energy Applications. , 2022, , 485-523.		0
1474	A Critical Review on Waste Plastic into Value-Added Hydrocarbons and Fuels. Lecture Notes in Energy, 2023, , 145-156.	0.2	0
1475	Increasing the Strength of Soldered Joints by Introducing Carbon Nanotubes into Soldering Pastes. Journal of Engineering Physics and Thermophysics, 2022, 95, 1437-1442.	0.2	0
1476	Synthesis and applications of Ag@C composites: Progress and opportunity. Journal of Central South University, 2022, 29, 3503-3528.	1.2	2
1477	Processing of nanoreinforced aluminium hybrid metal matrix composites and the effect of post-heat treatment: a review. Applied Nanoscience (Switzerland), 2023, 13, 4075-4099.	1.6	19
1479	Theoretical Study on Non-Linear Optics Properties of Polycyclic Aromatic Hydrocarbons and the Effect of Their Intercalation with Carbon Nanotubes. Molecules, 2023, 28, 110.	1.7	1
1481	Polymer/Carbon Composites with Versatile Interfacial Interactions for High Performance Carbonâ€Based Thermoelectrics: Principles and Applications. Advanced Functional Materials, 2023, 33, .	7.8	5
1482	Recent research developments of textile flexible structures with high puncture resistance: A review. Journal of Thermoplastic Composite Materials, 0, , 089270572211478.	2.6	0
1483	Thermoelectric performance of Fe2ALV/CNT-based alloys. Thermal Science, 2023, 27, 389-396.	0.5	2
1484	Cyclic Buckling Characterization of an Individual MWCNT Using Quantitative In Situ TEM Axial Compression. Nanomaterials, 2023, 13, 301.	1.9	Ο

#	Article	IF	CITATIONS
1485	Multifunctional PLA/CNTs nanocomposites hybrid 3D printing integrating material extrusion and CO2 laser cutting. Journal of Manufacturing Processes, 2023, 86, 237-252.	2.8	28
1486	Enhancement in NO2 sensing properties of SWNTs: A detailed analysis on functionalization of SWNTs with Z-Gly-OH. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	5
1487	An investigation on the effect of Al4C3 on microstructure and mechanical properties of carbon nanotube reinforced aluminum composite. Ceramics International, 2023, 49, 14024-14034.	2.3	5
1488	Photocatalytic Activity and Reusability of F, Sm3+ Co-Doped TiO2/MWCNTs Hybrid Heterostructure for Efficient Photocatalytic Degradation of Brilliant Black Bis-Azo Dye. Catalysts, 2023, 13, 86.	1.6	4
1489	Effect of Single and Multiple-Pass Friction Stir Processing on Microstructure, Hardness and Tensile Properties of a 99.99% Cu with Carbon Nano Tubes. , 2015, 3, 281-289.		0
1490	Nano-inks based on metal oxides for electronic industries. , 2023, , 249-276.		0
1491	1D and 2D Field Effect Transistors in Gas Sensing: A Comprehensive Review. Small, 2023, 19, .	5.2	21
1492	Effect of MWCNTs and heat treatment on coefficient of friction and wear characteristics of MWCNTs reinforced Al6082 composites under dry sliding condition. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622211484.	1.1	0
1493	Graphene Nanocomposite Membranes: Fabrication and Water Treatment Applications. Membranes, 2023, 13, 145.	1.4	10
1494	Modified carbon nanomaterials for diagnosis, drug delivery and stem cell therapy. , 2023, , 331-350.		0
1495	Atomistic Investigation on the Blocking Phenomenon of Crack Propagation in Cu Substrate Reinforced by CNT. Nanomaterials, 2023, 13, 575.	1.9	3
1496	Advances in ballistic protection. , 2023, , 71-139.		0
1497	Enhanced Josephson coupling in hybrid nanojunctions. Physical Review B, 2023, 107, .	1.1	1
1498	Generalizing Fowler–Nordheim Tunneling Theory for an Arbitrary Power Law Barrier. Physica Status Solidi (B): Basic Research, 2023, 260, .	0.7	1
1499	A refined model for the effective tensile stiffness of Carbon NanoTube fibers. International Journal of Mechanical Sciences, 2023, 251, 108303.	3.6	1
1500	A novel two-step route to unidirectional growth of multilayer MoS2 nanoribbons. Applied Surface Science, 2023, 619, 156748.	3.1	7
1501	Rapid room temperature degradation of carbon nanotubes by sodium hypochlorite and UV-light irradiation. Carbon, 2023, 208, 238-246.	5.4	2
1502	Effects of multiwalled carbon nanotube and Bacillus atrophaeus application on crop root zone thermal characteristics of saline farmland. Heliyon, 2023, 9, e13510.	1.4	2

#	Article	IF	CITATIONS
1505	Silicon-Germanium and carbon-based superconductors for electronic, industrial, and medical applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 290, 116332.	1.7	4
1506	Nanoparticles. Advances in Environmental Engineering and Green Technologies Book Series, 2023, , 15-41.	0.3	0
1507	Fabrication of Vinyl Functionalised Multiwalled Carbon Nanotubes for the Removal of Organic Pollutant. Advanced Materials Research, 0, 1175, 63-72.	0.3	0
1508	Synergistic impact of multiwalled carbon nanotubes on the properties of Ni-Mo thin-film via electrodeposition technique. Korean Journal of Chemical Engineering, 2023, 40, 1186-1196.	1.2	3
1509	Additively Manufactured Mechanical Metamaterialâ€Based Pressure Sensor with Tunable Sensing Properties for Stance and Motion Analysis. Advanced Engineering Materials, 2023, 25, .	1.6	2
1510	Application of Porous Carbon Material for Water Treatment and Gas Storage. Materials Horizons, 2023, , 623-654.	0.3	0
1511	Role of CNT in influencing the mechanical properties of the Mg-based composites: An overview. Materials Today: Proceedings, 2023, , .	0.9	6
1512	Corrosion monitoring at the interface using sensors and advanced sensing materials: methods, challenges and opportunities. Corrosion Engineering Science and Technology, 2023, 58, 281-321.	0.7	0
1513	Notable electrical and mechanical properties of polyacrylamide (PAM) with graphene oxide (GO) and single-walled carbon nanotubes (SWCNTs). International Polymer Processing, 2023, .	0.3	0
1514	Transition Metal-Decorated Mg ₁₂ O ₁₂ Nanoclusters as Biosensors and Efficient Drug Carriers for the Metformin Anticancer Drug. ACS Omega, 2023, 8, 11318-11325.	1.6	8
1515	Effect of electric field on mechanical behavior of vertically-aligned carbon nanotube structures. Proceedings of the Indian National Science Academy, 2023, 89, 254-266.	0.5	2
1516	Wear Reduction via CNT Coatings in Electrical Contacts Subjected to Fretting. Tribology Letters, 2023, 71, .	1.2	3
1517	Coarse-Grained Modeling of Polystyrene-Modified CNTs and Their Interactions with Lipid Bilayers. Biophysical Journal, 2023, , .	0.2	1
1518	Progresses in lignin, cellulose, starch, chitosan, chitin, alginate, and gum/carbon nanotube (nano)composites for environmental applications: A review. International Journal of Biological Macromolecules, 2023, 241, 124472.	3.6	10
1519	Nanoencapsulation techniques for antimicrobial developments. , 2023, , 23-59.		0
1520	Mini Review of Technological Trends of Flexible Supercapacitors Using Carbon Nanotubes. Journal of Natural Fibers, 2023, 20, .	1.7	4
1530	Dimension-enriched essential properties of Ge-related materials. , 2023, , 343-369.		0
1531	Alkali-adsorbed germanene nanoribbons. , 2023, , 371-387.		0

#	Article	IF	CITATIONS
1532	Perspective Chapter: Recent Advances in Nanotechnology, Nanomaterials, Nanofertilizers and Smart Farming. , 0, , .		0
1537	A review: Properties and applications of carbon nanotubes. , 2023, , .		0
1544	Carbon-Based Nanostructured Bio-Assemblies for Bioelectrochemical Applications. , 2024, 2, 208-224.		0
1550	Green Synthesis of Carbon Nanomaterials. , 2023, , 3143-3160.		0
1553	Carbon-Based Nanomaterials and Their Properties. , 2023, , 263-278.		1
1555	Disposable Electrochemical Nanobiosensors for Biomolecular Analysis. , 2023, , 569-598.		0
1556	Use of Plant-Derived Nanoparticles in Cancer Therapy. , 2023, , 1405-1428.		0
1560	Photocatalyst for the Degradation of Hazardous and Toxic Compounds. Advances in Chemical and Materials Engineering Book Series, 2023, , 159-190.	0.2	0
1565	Carbon Nanotube Growth on the Polysilicon Layers of CMOS. , 2023, , .		0
1569	The potential of carbon-based nanomaterials in hepatitis C virus treatment: a review of carbon nanotubes, dendrimers and fullerenes. , 2023, 18, .		1
1572	Managing plastic waste with nanotechnology: current sustainability prospects. Nanotechnology for Environmental Engineering, 0, , .	2.0	0
1577	Carbon Nanostructures Functionalization for Air Filtration and Purification. , 2023, , 1-38.		0
1584	On the Production & Tribo-Electrical Characterization of Carbon Nanotube-Reinforced Ag & Cu Metal Matrix Composites. , 2023, , .		0
1587	Functionalized Carbon Nanostructures in Agro-Food Production. , 2024, , 1-35.		0
1596	Carbon-based nanomaterials for photocatalytic application. , 2024, , 153-178.		0
1606	Nanofillers in Environmental Protection. , 2024, , 1-24.		0
1615	Progresses of in situ TEM studies of graphene and carbon nanotubes. AIP Conference Proceedings, 2023, , .	0.3	0
1616	Mixed matrix and nanocomposite membranes. , 2024, , 225-266.		0

ARTICLE

IF CITATIONS