Chemical oxidation of multiwalled carbon nanotubes

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Citation Report

#	Article	IF	Citations
7	Surface modification of carbon nanotubes for enhancing BTEX adsorption from aqueous solutions. Applied Surface Science, 2008, 254, 7035-7041.	3.1	191
8	Influence of Surface Modified MWCNTs on the Mechanical, Electrical and Thermal Properties of Polyimide Nanocomposites. Nanoscale Research Letters, 2008, 3, .	3.1	120
9	Adsorption Mechanisms of Organic Chemicals on Carbon Nanotubes. Environmental Science & Technology, 2008, 42, 9005-9013.	4.6	1,088
10	Effects of Copper, Lead, and Cadmium on the Sorption and Desorption of Atrazine onto and from Carbon Nanotubes. Environmental Science & Technology, 2008, 42, 8297-8302.	4.6	106
11	Developing of Carbon Based Materials Wettability as Supercapacitors Electrodes. ECS Meeting Abstracts, 2009, , .	0.0	0
12	Examination of purified single-walled carbon nanotubes on activated sludge process using batch reactors. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 661-665.	0.9	16
13	Carbon Surface Oxidation by Short-Term Ozone Treatment for Modeling Long-Term Degradation of Fuel Cell Cathodes. Journal of the Electrochemical Society, 2009, 156, A181.	1.3	8
14	Specific Functionalization of Carbon Nanotubes for Advanced Polymer Nanocomposites. Advanced Functional Materials, 2009, 19, 3962-3971.	7.8	93
15	Synthesis, characterization and cytotoxicity of surface amino-functionalized water-dispersible multi-walled carbon nanotubes. Applied Surface Science, 2009, 255, 8067-8075.	3.1	150
16	Efficient and facile one pot carboxylation of multiwalled carbon nanotubes by using oxidation with ozone under mild conditions. Applied Surface Science, 2009, 256, 631-635.	3.1	61
17	Reducibility of Platinum Supported on Nanostructured Carbons. Topics in Catalysis, 2009, 52, 424-430.	1.3	14
18	The Improvement of Electrical Property of Multiwalled Carbon Nanotubes with Plasma Modification and Chemical Oxidation in the Polymer Matrix. Journal of Inorganic and Organometallic Polymers and Materials, 2009, 19, 234-242.	1.9	22
19	Preparation of biocompatible multiâ€walled carbon nanotubes as potential tracers for sentinel lymph nodes. Polymer International, 2010, 59, 169-174.	1.6	2
20	The effect of oxidation treatment on the properties of multi-walled carbon nanotube thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 135-138.	1.7	62
21	Pdâ€“CNT-catalyzed ligandless and additive-free heterogeneous Suzukiâ€“Miyaura cross-coupling of arylbromides. Tetrahedron Letters, 2009, 50, 4455-4458.	0.7	86
22	Kinetics and thermodynamics of sorption of nitroaromatic compounds to as-grown and oxidized multiwalled carbon nanotubes. Journal of Colloid and Interface Science, 2009, 330, 1-8.	5.0	150
23	A review of carbon nanotube purification by microwave assisted acid digestion. Separation and Purification Technology, 2009, 66, 209-222.	3.9	114
24	Industrially scalable process to separate catalyst substrate materials from MWNTs synthesised by fluidised-bed CVD on iron/alumina catalysts. Chemical Engineering Science, 2009, 64, 1511-1521.	1.9	17

#	Article	IF	Citations
25	Carbon nanotubeâ€“fluorenevinylene hybrids: Synthesis and photophysical properties. Chemical Physics Letters, 2009, 483, 241-246.	1.2	7
26	Controlling the surface chemistry of carbon xerogels using HNO3-hydrothermal oxidation. Carbon, 2009, 47, 1670-1679.	5.4	83
27	Doubly functionalized multiwall carbon nanotubes with enhanced solubility. Carbon, 2009, 47, 2552-2555.	5.4	4
28	Evaluation of mild acid oxidation treatments for MWCNT functionalization. Carbon, 2009, 47, 2970-2975.	5.4	531
29	Preparation, characterization and catalytic properties of carbon nanofiber-supported Pt, Pd, Ru monometallic particles in aqueous-phase reactions. Applied Catalysis B: Environmental, 2009, 89, 375-382.	10.8	70
30	Effective Condition for Purification of Multi-Walled Carbon Nanotubes by Nitric Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2009, 39, 204-208.	0.6	14
31	Dispersion of Functionalized Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 20861-20868.	1.5	49
32	Effect of oxidation treatment of multiwalled carbon nanotubes on the mechanical and electrical properties of their epoxy composites. Composites Part A: Applied Science and Manufacturing, 2009, 40, 778-783.	3.8	104
33	Adsorption of 2,4,6-trichlorophenol by multi-walled carbon nanotubes as affected by Cu(II). Water Research, 2009, 43, 2409-2418.	5.3	135
34	Double-walled carbon nanotube dispersion via surfactant substitution. Journal of Materials Chemistry, 2009, 19, 2729.	6.7	70
35	Preparation and characterization of nano-inorganic materials coated multi-walled carbon nanotubes/epoxy composites for thermal interface materials. , 2009, , .		2
36	Solvent-dependent fluorescence property of multi-walled carbon nanotubes noncovalently functionalized by pyrene-derivatized polymer. Nanotechnology, 2009, 20, 135705.	1.3	16
37	High volume fraction carbon nanotubeâ€“epoxy composites. Nanotechnology, 2009, 20, 405702.	1.3	58
38	Effective Condition for Purification of Multi-walled Carbon Nanotubes by Nitric Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2009, 39, 312-316.	0.6	4
39	Influence of the graphitisation of hollow carbon nanofibers on their functionalisation and subsequent filling with metal nanoparticles. Chemical Communications, 2009, , 7158.	2.2	31
40	Ab Initio Study of Carboxylated Graphene. Journal of Physical Chemistry C, 2009, 113, 12970-12975.	1.5	67
41	Multicomponent Metallic Impurities and Their Influence upon the Electrochemistry of Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 4401-4405.	1.5	130
42	Decomposition of ethylene on iron catalyst to obtain carbon nanotubes and the way of their purification. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2010, 65, .	0.2	0

#	Article	IF	Citations
43	Deposition of Titania Nanoparticles on the Surface of Acid Treated Multiwalled Carbon Nanotubes. Advanced Materials Research, 2010, 117, 27-32.	0.3	1
44	Current Progress on the Chemical Modification of Carbon Nanotubes. Chemical Reviews, 2010, 110, 5366-5397.	23.0	1,186
45	Kinetics and thermodynamics of adsorption of ionizable aromatic compounds from aqueous solutions by as-prepared and oxidized multiwalled carbon nanotubes. Journal of Hazardous Materials, 2010, 178, 505-516.	6.5	247
46	Preparation and properties of functionalized multiwalled carbon nanotubes/polypropylene nanocomposite bipolar plates for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2010, 195, 263-270.	4.0	56
47	Novel functionalized carbon nanotubes as cross-links reinforced vinyl ester/nanocomposite bipolar plates for polymer electrolyte membrane fuel cells. Journal of Power Sources, 2010, 195, 7808-7817.	4.0	37
48	Self-assembly behavior of carbon nanotubes modified by amphiphilic block copolymer. Colloid and Polymer Science, 2010, 288, 1677-1685.	1.0	7
49	Sorption of Cd(II) onto carbon-based materialsâ€"a comparative study. Mikrochimica Acta, 2010, 169, 7-13.	2.5	28
50	Stable Field Emitters for a Miniature X-ray Tube Using Carbon Nanotube Drop Drying on a Flat Metal Tip. Nanoscale Research Letters, 2010, 5, 720-724.	3.1	27
51	Effect of different microwave-based treatments on multi-walled carbon nanotubes. Journal of Nanoparticle Research, 2010, 12, 393-403.	0.8	13
52	Optimization of cuprous oxide nanocrystals deposition on multiwalled carbon nanotubes. Journal of Nanoparticle Research, 2010, 12, 439-448.	0.8	24
53	Functionalization of carbon encapsulated iron nanoparticles. Journal of Nanoparticle Research, 2010, 12, 513-519.	0.8	29
54	A Comparative Study on the Lithiumâ€ion Storage Performances of Carbon Nanotubes and Tubeâ€inâ€Tube Carbon Nanotubes. ChemSusChem, 2010, 3, 343-349.	3.6	31
55	Oxidative Purification of Carbon Nanotubes and Its Impact on Catalytic Performance in Oxidative Dehydrogenation Reactions. ChemSusChem, 2010, 3, 254-260.	3.6	77
56	Assessment of adequate sodium hypochlorite concentration for preâ€oxidization of multiâ€walled carbon nanotubes. Journal of Chemical Technology and Biotechnology, 2010, 85, 699-707.	1.6	46
57	Effect of sulfur as a growth promoter for CNx nanostructures as PEM and DMFC ORR catalysts. Applied Catalysis B: Environmental, 2010, 96, 72-82.	10.8	33
58	Polymer nanocomposites based on functionalized carbon nanotubes. Progress in Polymer Science, 2010, 35, 837-867.	11.8	1,482
59	Dispersion and diameter separation of multi-wall carbon nanotubes in aqueous solutions. Journal of Colloid and Interface Science, 2010, 345, 138-142.	5.0	111
60	Solvothermal one-step synthesis of MWCNTs/Ni0.5Zn0.5Fe2O4 magnetic composites. Journal of Magnetism and Magnetic Materials, 2010, 322, 2006-2009.	1.0	21

#	Article	IF	Citations
61	Effect of chemical oxidation of CNFs on the electrochemical carbon corrosion in polymer electrolyte membrane fuel cells. International Journal of Hydrogen Energy, 2010, 35, 701-708.	3.8	79
62	Biodurability of single-walled carbon nanotubes depends on surface functionalization. Carbon, 2010, 48, 1961-1969.	5.4	152
63	Functionalization of multi-walled carbon nanotubes by free radical graft polymerization initiated from photoinduced surface groups. Carbon, 2010, 48, 2899-2905.	5.4	33
64	A comparison of the electrocatalytic activities of ordered mesoporous carbons treated with either HNO3 or NaOH. Electrochimica Acta, 2010, 56, 657-662.	2.6	20
65	Carbon nanostructures for separation, preconcentration and speciation of metal ions. TrAC - Trends in Analytical Chemistry, 2010, 29, 718-727.	5.8	148
66	The functionalization of multi-walled carbon nanotubes by in situ deposition of hydroxyapatite. Biomaterials, 2010, 31, 5182-5190.	5.7	83
67	Adsorption of benzene, toluene, ethylbenzene and p-xylene by NaOCl-oxidized carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 353, 83-91.	2.3	188
68	Comparison of nanotubes produced by fixed bed and aerosol-CVD methods and their electrical percolation behaviour in melt mixed polyamide 6.6 composites. Composites Science and Technology, 2010, 70, 151-160.	3.8	55
69	Characterization of epoxy functionalized graphite nanoparticles and the physical properties of epoxy matrix nanocomposites. Composites Science and Technology, 2010, 70, 1120-1125.	3.8	99
70	Preparation and field emission properties of Er-decorated multiwalled carbon nanotubes. Carbon, 2010, 48, 54-59.	5.4	41
71	Effect of functionalized carbon nanotubes on the thermal conductivity of epoxy composites. Carbon, 2010, 48, 592-603.	5.4	326
72	Functionalization of multi-walled carbon nanotubes grafted with self-generated functional groups and their polyamide 6 composites. Carbon, 2010, 48, 721-729.	5.4	49
73	Fast and clean functionalization of carbon nanotubes by dielectric barrier discharge plasma in air compared to acid treatment. Carbon, 2010, 48, 1369-1379.	5.4	133
74	Controlled generation of oxygen functionalities on the surface of Single-Walled Carbon Nanotubes by HNO3 hydrothermal oxidation. Carbon, 2010, 48, 1515-1523.	5.4	63
75	Nondestructive purification of single-walled carbon nanotube rope through a battery-induced ignition and chemical solution approach. Carbon, 2010, 48, 2159-2168.	5.4	11
76	Effect of method for thermoexfoliated graphite preparation on electrochemical reduction of molecular oxygen. Carbon, 2010, 48, 2487-2492.	5.4	1
77	Highly hydroxylated carbon fibres as electrode materials of all-vanadium redox flow battery. Carbon, 2010, 48, 3079-3090.	5.4	440
78	The attachment of Fe3O4 nanoparticles to graphene oxide by covalent bonding. Carbon, 2010, 48, 3139-3144.	5.4	428

#	Article	IF	Citations
79	Synthesis, characterization, and electrochemical capacitance of amino-functionalized carbon nanotube/carbon paper electrodes. Carbon, 2010, 48, 4219-4229.	5.4	95
80	Modification of multiwall carbon nanotubes by grafting from controlled polymerization of styrene: Effect of the characteristics of the nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1035-1046.	2.4	22
81	Plasma Functionalization of MWCNTs in He Followed by NH₃ Treatment and its Application in PMMA Based Nanocomposites. Plasma Processes and Polymers, 2010, 7, 1001-1009.	1.6	24
82	The line shape analysis of electron spectroscopy spectra by the artificial intelligence methods for identification of C sp²/sp³ bonds. Physica Status Solidi (B): Basic Research, 2010, 247, 2838-2842.	0.7	8
83	Dielectric Spectroscopy and Tunability of Multi-Walled Carbon Nanotube / Epoxy Resin Composites. Advanced Composites Letters, 2010, 19, 096369351001900.	1.3	4
84	Concise Route to Water-Soluble Multi-Walled Carbon Nanotubes. Current Nanoscience, 2010, 6, 54-58.	0.7	4
85	Oxygen-driven surface segregation of lithium from single-wall carbon nanotubes. Diamond and Related Materials, 2010, 19, 1362-1365.	1.8	0
86	Reducing defects on multi-walled carbon nanotube surfaces induced by low-power ultrasonic-assisted hydrochloric acid treatment. Journal of Experimental Nanoscience, 2010, 5, 337-347.	1.3	19
87	Noncovalent functionalization of multiwall carbon nanotubes by methylated-Î²-cyclodextrins modified by a triazole group. Chemical Communications, 2010, 46, 7382.	2.2	21
88	Multi-walled Carbon Nanotube/Polymer Composite: A Nano-enabled Continuous Fiber. Journal of Composite Materials, 2010, 44, 1305-1316.	1.2	6
89	Role of Graphitic Edge Plane Exposure in Carbon Nanostructures for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2010, 114, 15306-15314.	1.5	177
90	Electro-active Shape Memory Properties of Poly(Îµ-caprolactone)/Functionalized Multiwalled Carbon Nanotube Nanocomposite. ACS Applied Materials & Interfaces, 2010, 2, 3506-3514.	4.0	142
91	Multiwall carbon nanotubes purification and oxidation by nitric acid studied by the FTIR and electron spectroscopy methods. Journal of Alloys and Compounds, 2010, 501, 77-84.	2.8	475
92	Correlation between dispersion state and electrical conductivity of MWCNTs/PP composites prepared by melt blending. Composites Part A: Applied Science and Manufacturing, 2010, 41, 419-426.	3.8	129
93	Influence of fiber-like nanofillers on the rheological, mechanical, thermal and fire properties of polypropylene: An application to multifilament yarn. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1797-1806.	3.8	39
94	Structural, electronic, optical and vibrational properties of nanoscale carbons and nanowires: a colloquial review. Journal of Physics Condensed Matter, 2010, 22, 334201.	0.7	10
95	Adsorption of Organic Compounds by Carbon Nanomaterials in Aqueous Phase: Polanyi Theory and Its Application. Chemical Reviews, 2010, 110, 5989-6008.	23.0	741
96	Synthesis and Characterization of Carbon Nanotube-Nickel/Nickel Oxide Core/shell Nanoparticle Heterostructures Incorporated in Polyvinyl Alcohol Hydrogel. Materials Research Society Symposia Proceedings, 2010, 1272, 1.	0.1	2

#	Article	IF	Citations
97	Growth of CdS nanoparticles on the aligned carbon nanotubes. Physical Chemistry Chemical Physics, 2010, 12, 10871.	1.3	25
98	Polypropylene-grafted multi-walled carbon nanotube reinforced polypropylene composite bipolar plates in polymer electrolyte membrane fuel cells. Energy and Environmental Science, 2011, 4, 543-550.	15.6	28
99	Steaming multiwalled carbon nanotubes via acid vapour for controllable nanoengineering and the fabrication of carbon nanoflutes. Chemical Communications, 2011, 47, 5223.	2.2	70
100	Carbon nanotubes functionalization process for developing ceramic matrix nanocomposites. Journal of Materials Chemistry, 2011, 21, 6063.	6.7	13
101	Covalent functionalization of carbon nanotubes for ultimate interfacial adhesion to liquid crystalline polymer. Soft Matter, 2011, 7, 9505.	1.2	34
102	Enhancing performance of ZnO dye-sensitized solar cells by incorporation of multiwalled carbon nanotubes. , 2011, , .		0
103	Critical Investigation of Defect Site Functionalization on Single-Walled Carbon Nanotubes. Chemistry of Materials, 2011, 23, 67-74.	3.2	54
104	Influence of Air Oxidation on the Surfactant-Assisted Purification of Single-Walled Carbon Nanotubes. Langmuir, 2011, 27, 7192-7198.	1.6	22
105	Multiwall Carbon Nanotube and Poly(3,4-ethylenedioxythiophene): Polystyrene Sulfonate (PEDOT:PSS) Composite Films for Transistor and Inverter Devices. ACS Applied Materials & Interfaces, 2011, 3, 43-49.	4.0	105
106	Surface Modification Effects on CNTs Adsorption of Methylene Blue and Phenol. Journal of Nanomaterials, 2011, 2011, 1-18.	1.5	47
107	Palladium with interstitial carbon atoms as a catalyst for ultraselective hydrogenation in the liquid phase. Catalysis Science and Technology, 2011, 1, 1584.	2.1	18
108	Charge Transfer in the MoS₂/Carbon Nanotube Composite. Journal of Physical Chemistry C, 2011, 115, 21199-21204.	1.5	255
109	Nanocomposites. , 2011, , 109-142.		25
110	Effect of Nano-Filler Network on the Rheological Behaviours of Poly(vinylidene fluoride) Nanocomposites. Advanced Materials Research, 0, 328-330, 1232-1238.	0.3	1
111	Flow-dependent directional growth of carbon nanotube forests by chemical vapor deposition. Nanotechnology, 2011, 22, 095303.	1.3	8
112	Fabrication of hybrids based on graphene and metal nanoparticles by in situ and self-assembled methods. Nanoscale, 2011, 3, 1182.	2.8	95
113	Hydrotalcites: a highly efficient ecomaterial for effluent treatment originated from carbon nanotubes chemical processing. Journal of Physics: Conference Series, 2011, 304, 012024.	0.3	3
114	One-Step Functionalization of Single-Walled Carbon Nanotubes (SWCNTs) with Cyclopentadienyl-Capped Macromolecules via Dielsâ^'Alder Chemistry. Macromolecules, 2011, 44, 3374-3380.	2.2	76

#	Article	IF	Citations
115	Growth Mechanism and Structural Correlations of Hydroxyapatites on Surface Functionalized Carbon Fibers. Journal of the Electrochemical Society, 2011, 159, D31-D35.	1.3	5
116	The characterization study of functionalized multi-wall carbon nanotubes purified by acid oxidation. , 2011, , .		6
117	Enhanced Nucleation Rate of Polylactide in Composites Assisted by Surface Acid Oxidized Carbon Nanotubes of Different Aspect Ratios. ACS Applied Materials & Interfaces, 2011, 3, 3744-3753.	4.0	103
118	Synergistic Antibacterial Brilliant Blue/Reduced Graphene Oxide/Quaternary Phosphonium Salt Composite with Excellent Water Solubility and Specific Targeting Capability. Langmuir, 2011, 27, 7828-7835.	1.6	145
119	Surface refinement and electronic properties of graphene layers grown on copper substrate: An XPS, UPS and EELS study. Applied Surface Science, 2011, 257, 9785-9790.	3.1	185
120	Evaluation of residual iron in carbon nanotubes purified by acid treatments. Applied Surface Science, 2011, 258, 641-648.	3.1	133
121	Multiwalled carbon nanotubes oxidized by UV/H2O2 as catalyst for oxidative dehydrogenation of ethylbenzene. Catalysis Communications, 2011, 12, 464-469.	1.6	45
122	Indirect determination of sulfite using a polyphenol oxidase biosensor based on a glassy carbon electrode modified with multi-walled carbon nanotubes and gold nanoparticles within a poly(allylamine hydrochloride) film. Talanta, 2011, 87, 235-242.	2.9	48
123	Epoxy-Based Nanocomposites Reinforced with New Amino Functionalized Multi-Walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 197-209.	1.0	26
124	Stabilisation of SWNTs by alkyl-sulfate chitosan derivatives of different molecular weight: towards the preparation of hybrids with anticoagulant properties. Nanoscale, 2011, 3, 1218.	2.8	12
125	Processing Carbon Nanotubes. , 0, , .		2
126	Silanization of Carbon Nanotubes: Surface Modification and Polymer Nanocomposites. , 2011, , .		12
127	Characterizing Functionalized Carbon Nanotubes for Improved Fabrication in Aqueous Solution Environments. , 2011, , .		1
128	Vanadium Oxide-Based Composite Catalysts for the Oxidation of Styrene: A Comparative Study. Current Nanoscience, 2011, 7, 781-789.	0.7	5
129	Effect of Surface Modification of Carbon Nanotube on the Strength Properties of Carbon Nanotube/Alumina Composites and Their Fracture Process. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 774-778.	0.2	2
130	Adsorption of toluene, ethylbenzene and m-xylene on multi-walled carbon nanotubes with different oxygen contents from aqueous solutions. Journal of Hazardous Materials, 2011, 192, 1370-1379.	6.5	119
131	Observation of the diameter-dependent Raman dispersion effect in chemically oxidized multiwalled carbon nanotubes. Journal of Physics and Chemistry of Solids, 2011, 72, 1133-1139.	1.9	3
132	Preparation of carbon nanoparticles and nanofibers by a simple microwave based method and studying the field emission properties. Materials Chemistry and Physics, 2011, 127, 156-161.	2.0	2

#	Article	IF	Citations
133	Ethylenediamine-modified multiwall carbon nanotubes as a Pt catalyst support. Materials Chemistry and Physics, 2011, 130, 657-664.	2.0	2
134	Hydrothermal synthesis of titanate nanoparticle/carbon nanotube hybridized material for dye sensitized solar cell application. Materials Research Bulletin, 2011, 46, 1604-1609.	2.7	26
135	Conductive methyl blue-functionalized reduced graphene oxide with excellent stability and solubility in water. Materials Research Bulletin, 2011, 46, 2353-2358.	2.7	31
136	Functionalisation of aligned carbon nanotubes with nitric acid vapour. Micro and Nano Letters, 2011, 6, 704.	0.6	9
137	Raman spectra of hybrid materials based on carbon nanotubes and Cs3PMo12O40. Vibrational Spectroscopy, 2011, 57, 49-49.	1.2	15
138	Polypyrrole-modified hydrophobic carbon nanotubes as promising electrocatalyst supports in polymer electrolyte membrane fuel cells. International Journal of Hydrogen Energy, 2011, 36, 11564-11571.	3.8	35
139	The synthesis and characterization of carbon nano-onions produced by solution ozonolysis. Carbon, 2011, 49, 5079-5089.	5.4	63
140	Adsorption characteristics of acrylonitrile, p-toluenesulfonic acid, 1-naphthalenesulfonic acid and methyl blue on graphene in aqueous solutions. Chemical Engineering Journal, 2011, 173, 144-149.	6.6	322
141	Carbon nanotubules: morphology and properties. Fibre Chemistry, 2011, 42, 287-292.	0.0	0
142	Carbon nanotube-based extraction and electrochemical detection of heavy metals. Research on Chemical Intermediates, 2011, 37, 675-689.	1.3	56
143	Heterostructural coaxial nanotubes of CNT@Fe2O3 via atomic layer deposition: effects of surface functionalization and nitrogen-doping. Journal of Nanoparticle Research, 2011, 13, 1207-1218.	0.8	40
144	Synthesis of N-(3- and 4-substituted phenyl)-O-isobutyl thionocarbamates from O-isobutyl xanthate and amines using a nano-platinum multi-walled carbon nanotube catalyst. Monatshefte FÃ¼r Chemie, 2011, 142, 1045-1053.	0.9	3
145	Thermal transport of oil and polymer composites filled with carbon nanotubes. Applied Physics A: Materials Science and Processing, 2011, 105, 781-788.	1.1	15
146	Proposed model for growth preference of plate-like nanohydroxyapatite crystals on superhydrophilic vertically aligned carbon nanotubes by electrodeposition. Theoretical Chemistry Accounts, 2011, 130, 1071-1082.	0.5	13
147	Selective decoration of nickel and nickel oxide nanocrystals on multiwalled carbon nanotubes. Journal of Solid State Chemistry, 2011, 184, 1245-1250.	1.4	10
148	Adsorption behavior of epirubicin hydrochloride on carboxylated carbon nanotubes. International Journal of Pharmaceutics, 2011, 405, 153-161.	2.6	102
149	Effects of multiwalled carbon nanotube on holographic polymer dispersed liquid crystal. Polymers for Advanced Technologies, 2011, 22, 1993-2000.	1.6	6
150	Multiwalled carbon nanotube/polysulfone composites: Using the Hildebrand solubility parameter to predict dispersion. Polymer Composites, 2011, 32, 1895-1903.	2.3	14

#	Article	IF	Citations
151	Poly(ethylene terephthalate)/carbon nanotube composites prepared with chemically treated carbon nanotubes. Polymer Engineering and Science, 2011, 51, 1286-1300.	1.5	39
152	Electrical conductivity and fracture behavior of epoxy/polyamideâ€12/multiwalled carbon nanotube composites. Polymer Engineering and Science, 2011, 51, 2245-2253.	1.5	45
153	Photocatalytic activity of TiO₂/SWCNT and TiO₂/MWCNT nanocomposites with different carbon nanotube content. Physica Status Solidi (B): Basic Research, 2011, 248, 2496-2499.	0.7	27
154	Grafting Polymer Loops onto Functionalized Nanotubes: Monitoring Grafting and Loop Formation. Macromolecular Chemistry and Physics, 2011, 212, 465-477.	1.1	8
155	Glassy Carbon Electrode Modified with Functionalized Carbon Nanotubes Within a Poly(allylamine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2526-2533.	1.5	25
156	Effect of carbon nanotube purification on the electrical and mechanical properties of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock Science, 2011, 119, 3360-3371.	1.3	21
157	Theoretical and Experimental Studies on the Carbonâ€Nanotube Surface Oxidation by Nitric Acid: Interplay between Functionalization and Vacancy Enlargement. Chemistry - A European Journal, 2011, 17, 11467-11477.	1.7	93
158	The enhancement of neural growth by amino-functionalization on carbon nanotubes as a neural electrode. Biosensors and Bioelectronics, 2011, 26, 4124-4132.	5.3	29
159	Surface and structural characterization of multi-walled carbon nanotubes following different oxidative treatments. Carbon, 2011, 49, 24-36.	5.4	631
160	Synergetic effects of graphene platelets and carbon nanotubes on the mechanical and thermal properties of epoxy composites. Carbon, 2011, 49, 793-803.	5.4	795
161	Synthesis of hermetically-sealed graphite-encapsulated metallic cobalt (alloy) core/shell nanostructures. Carbon, 2011, 49, 1462-1472.	5.4	25
162	Superhydrophilicity on nano-rough carbon surfaces achieved by hyperthermal oxygen-atom beam exposure. Carbon, 2011, 49, 3388-3391.	5.4	4
163	Radial followed by longitudinal unzipping of multiwalled carbon nanotubes. Carbon, 2011, 49, 3865-3872.	5.4	32
164	Electrical and rheological properties of polyamide 6,6/Î³-ray irradiated multi-walled carbon nanotube composites. Carbon, 2011, 49, 4024-4030.	5.4	29
165	Effect of purification of carbon nanotubes on their electrocatalytic properties for oxygen reduction in acid solution. Carbon, 2011, 49, 4031-4039.	5.4	76
166	Surface oxidation and effect of electric field on dispersion and colloids stability of multiwalled carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 685-690.	2.3	56
167	Infrared irradiation controlled decoration of multiwalled carbon nanotubes with copper/copper oxide nanocrystals. Acta Materialia, 2011, 59, 5040-5047.	3.8	34
168	Carbon nanostrutured materials as direct catalysts for phenol oxidation in aqueous phase. Applied Catalysis B: Environmental, 2011, 104, 101-109.	10.8	40

#	Article	IF	Citations
169	Carbon nanotube nanoreservior for controlled release of anti-inflammatory dexamethasone. Biomaterials, 2011, 32, 6316-6323.	5.7	216
170	Structural evolution and stability studies of heterostructures comprised of carbon nanotubes decorated with nickel/nickel oxide core/shell nanoparticles. Carbon, 2011, 49, 3645-3662.	5.4	22
171	Effect of dispersion method on thermal conductivity and stability of nanofluid. Experimental Thermal and Fluid Science, 2011, 35, 717-723.	1.5	156
172	Dispersion, hybrid interconnection and heat dissipation properties of functionalized carbon nanotubes in epoxy composites for electrically conductive adhesives (ECAs). Microelectronics Reliability, 2011, 51, 812-818.	0.9	32
173	Carbon nanotube-supported metal catalysts for NOx reduction using hydrocarbon reductants. Part 1: Catalyst preparation, characterization and NOx reduction characteristics. Applied Catalysis B: Environmental, 2011, 102, 1-8.	10.8	36
174	Preparation and characterization of Pt on modified multi-wall carbon nanotubes to be used as electrocatalysts for high temperature fuel cell applications. Applied Catalysis B: Environmental, 2011, 106, 379-389.	10.8	56
175	Preparation and characterization of vinyl-functionalized carbon spheres by allylamine. Applied Surface Science, 2011, 257, 6672-6677.	3.1	15
176	Study of carbon nanotubes and functionalized-carbon nanotubes as substrates for flow injection solid phase extraction associated to inductively coupled plasma with ultrasonic nebulization. Microchemical Journal, 2011, 98, 225-230.	2.3	35
177	Adsorption of ionizable organic contaminants on multi-walled carbon nanotubes with different oxygen contents. Journal of Hazardous Materials, 2011, 186, 407-415.	6.5	142
178	Structural and proactive safety aspects of oxidation debris from multiwalled carbon nanotubes. Journal of Hazardous Materials, 2011, 189, 391-396.	6.5	57
179	Binding and purification of plasmid DNA using multi-layered carbon nanotubes. Journal of Biotechnology, 2011, 152, 102-107.	1.9	18
180	Understanding surfactant aided aqueous dispersion of multi-walled carbon nanotubes. Journal of Colloid and Interface Science, 2011, 354, 144-151.	5.0	150
181	Oxidative treatment of multi-wall carbon nanotubes with oxygen dielectric barrier discharge plasma. Surface and Coatings Technology, 2011, 205, 4896-4901.	2.2	48
182	Understanding the interaction of multi-walled carbon nanotubes with mutagenic organic pollutants using computational modeling and biological experiments. TrAC - Trends in Analytical Chemistry, 2011, 30, 437-446.	5.8	23
184	The Optimization of Ball Milling Method in Preparation of Phenolic/Functionalized Multi-Wall Carbon Nanotube Composite and Comparison with Wet Method. International Journal of Engineering Research in Africa, 0, 5, 16-29.	0.7	8
185	Improved Selectivity of Oxidized Multiwall Carbon Nanotube Network for Detection of Ethanol Vapor. Key Engineering Materials, 0, 495, 83-86.	0.4	2
186	Electroless Deposition of Silver on Multiwalled Carbon Nanotubes Using Iodide Bath. Journal of the Electrochemical Society, 2011, 158, D506.	1.3	12
187	Adsorption of Pb(II), Cd(II) and Cu(II) Ions in Aqueous Solution on SWCNTs and SWCNT â€“COOH Surfaces: Kinetics Studies. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 628-652.	1.0	91

#	Article	IF	Citations
188	Oxidation and silanization of MWCNTs for MWCNT/vinyl ester composites. EXPRESS Polymer Letters, 2011, 5, 766-776.	1.1	42
189	Some Observations on Carbon Nanotubes Susceptibility to Cell Phagocytosis. Journal of Nanomaterials, 2011, 2011, 1-8.	1.5	29
190	Dispersion Stability of Fluorinated Multi-Walled Carbon Nanotubes in FC-27 Refrigerant. Journal of Dispersion Science and Technology, 2011, 32, 1485-1492.	1.3	9
191	Properties of Nanocomposites Based on Polyethylene (UHMWPE) and Carbon Nanotubes Mixed by High-Energy Ball Milling and UV-Source Irradiated. International Journal of Polymer Analysis and Characterization, 2012, 17, 144-157.	0.9	10
192	Cytotoxicity of Carbon Nanotubes on J774 Macrophages Is a Purification-Dependent Effect. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	10
193	Current Advances in the Carbon Nanotube/Thermotropic Main-Chain Liquid Crystalline Polymer Nanocomposites and Their Blends. Polymers, 2012, 4, 889-912.	2.0	54
194	Nylon 6,6 electrospun fibres reinforced by amino functionalised 1D and 2D carbon. IOP Conference Series: Materials Science and Engineering, 2012, 40, 012023.	0.3	4
195	Carbon Nanotube/Polymer Nanocomposites: Improved or Reduced Thermal Stabilities?. Materials Science Forum, 2012, 722, 77-86.	0.3	1
196	Ultrasound Assisted Extrusion of Polyamide 6 Nanocomposites Based on Carbon Banotubes. Macromolecular Symposia, 2012, 321-322, 80-83.	0.4	7
197	Synthesis and Characterization of Nanostructures: MWCNT_f/TiO₂ and MWCNT_f/TiO₂/HAp. Macromolecular Symposia, 2012, 321-322, 76-79.	0.4	5
198	Nylon-based polymer nanocomposites. , 2012, , 238-276.		3
199	A Novel pH Sensor of Extended-Gate Field-Effect Transistors With Laser-Irradiated Carbon-Nanotube Network. IEEE Electron Device Letters, 2012, 33, 1622-1624.	2.2	39
200	The effect of chemical treatment on adsorption of natural gas by multi-walled carbon nanotubes: Sorption equilibria and thermodynamic studies. Chemical Industry and Chemical Engineering Quarterly, 2012, 18, 193-207.	0.4	7
201	Mechanical properties of PET composites using multi-walled carbon nanotubes functionalized by inorganic and itaconic acids. EXPRESS Polymer Letters, 2012, 6, 96-106.	1.1	40
202	Utilization of Carbon Nanotubes as a Support Material in Metal-Based Catalyst Systems: Applications in Catalysis. Recent Patents on Engineering, 2012, 6, 31-47.	0.3	8
203	Lysozyme Dispersed Single-Walled Carbon Nanotubes: Interaction and Activity. Journal of Physical Chemistry C, 2012, 116, 10341-10348.	1.5	56
204	Raman study of the temperature-dependence of plasma-induced defect formation rates in carbon nanotubes. Carbon, 2012, 50, 5210-5216.	5.4	7
205	Transparent films from carbon nanotubes/Prussian blue nanocomposites: preparation, characterization, and application as electrochemical sensors. Journal of Materials Chemistry, 2012, 22, 1824-1833.	6.7	64

#	Article	IF	Citations
206	New strategies for the chemical characterization of multi-walled carbon nanotubes and their derivatives. Mikrochimica Acta, 2012, 179, 41-48.	2.5	18
207	Influence of borohydride concentration on the synthesized Au/graphene nanocomposites for direct borohydride fuel cell. Journal of Solid State Electrochemistry, 2012, 16, 3929-3937.	1.2	14
208	Effect of infrared irradiation on immobilization of ZnO nanocrystals on multiwalled carbon nanotubes. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	7
209	Properties of matrix-grafted multi-walled carbon nanotube/poly(methyl methacrylate) nanocomposites synthesized by in situ reversible addition-fragmentation chain transfer polymerization. Journal of the Iranian Chemical Society, 2012, 9, 877-887.	1.2	34
210	Three-Dimensional Monte Carlo Simulation of the Electrical Conductivity of Carbon Nanotube/Polymer Composites. Applied Physics Express, 2012, 5, 045101.	1.1	12
211	Biomineralization of Superhydrophilic Vertically Aligned Carbon Nanotubes. Langmuir, 2012, 28, 4413-4424.	1.6	28
212	TEM Examination of MWCNTs Oxidized by Mild Experimental Conditions. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 49-55.	1.0	19
213	Deposition of platinum on oxygen plasma treated carbon nanotubes by atomic layer deposition. Nanotechnology, 2012, 23, 405603.	1.3	40
214	Doped Carbon Nanotube Networks for Electrochemical Filtration of Aqueous Phenol: Electrolyte Precipitation and Phenol Polymerization. ACS Applied Materials & Interfaces, 2012, 4, 1478-1489.	4.0	69
215	Plasma Oxidation Kinetics of Gold Nanoparticles and Their Encapsulation in Graphene Shells by Chemical Vapor Deposition Growth. Journal of Physical Chemistry C, 2012, 116, 12861-12874.	1.5	35
216	Fluorescence Enhancement and Radiolysis of Carbon Dots through Aqueous Î³ Radiation Chemistry. Journal of Physical Chemistry C, 2012, 116, 15826-15832.	1.5	12
217	Composite Films of Oxidized Multiwall Carbon Nanotube and Poly(3,4-ethylenedioxythiophene): Polystyrene Sulfonate (PEDOT:PSS) As a Contact Electrode for Transistor and Inverter Devices. ACS Applied Materials & Interfaces, 2012, 4, 982-989.	4.0	44
218	Carbon nanotube-polyaniline nanohybrids: Influence of the carbon nanotube characteristics on the morphological, spectroscopic, electrical and thermoelectric properties. Synthetic Metals, 2012, 162, 1348-1356.	2.1	79
219	Analysis of rare earth elements in seawater by inductively coupled plasma mass spectrometry after pre-concentration using TSKâ„¢-HD-MW-CNTs (highly dispersive multi-walled carbon nanotubes). Talanta, 2012, 99, 369-374.	2.9	18
220	Modification of carbon nanotubes for preconcentration, separation and determination of trace-metal ions. TrAC - Trends in Analytical Chemistry, 2012, 37, 22-31.	5.8	138
221	Interactions of phospholipid monolayer with single-walled carbon nanotube wrapped by lysophospholipid. Thin Solid Films, 2012, 520, 7176-7182.	0.8	0
222	Nonionic, Water Self-Dispersible â€œHairy-Rodâ€•Poly(p-phenylene)-g-poly(ethylene glycol) Copolymer/Carbon Nanotube Conjugates for Targeted Cell Imaging. Biomacromolecules, 2012, 13, 2680-2691.	2.6	31
223	The stability of the SEI layer, surface composition and the oxidation state of transition metals at the electrolyteâ€“cathode interface impacted by the electrochemical cycling: X-ray photoelectron spectroscopy investigation. Physical Chemistry Chemical Physics, 2012, 14, 12321.	1.3	109

#	Article	IF	Citations
224	Highly Dispersed Multiwalled Carbon Nanotubes Decorated with Ag Nanoparticles in Water and Experimental Investigation of the Thermophysical Properties. Journal of Physical Chemistry C, 2012, 116, 3369-3375.	1.5	121
225	Spectroscopic and capacitanceâ€“voltage characterization of thin aminopropylmethoxysilane films doped with copper phthalocyanine, tris(dimethylvinylsilyloxy)â€“POSS and fullerene cages. Applied Surface Science, 2012, 258, 4213-4221.	3.1	9
226	Oxidation behavior of multiwall carbon nanotubes with different diameters and morphology. Applied Surface Science, 2012, 258, 6272-6280.	3.1	124
227	Time dependent thermal treatment of oxidized MWCNTs studied by the electron and mass spectroscopy methods. Applied Surface Science, 2012, 258, 7912-7917.	3.1	22
228	MWCNTs/Cu(OH)2 nanoparticles/IL nanocomposite modified glassy carbon electrode as a voltammetric sensor for determination of the non-steroidal anti-inflammatory drug diclofenac. Materials Science and Engineering C, 2012, 32, 1682-1689.	3.8	91
229	Magnetic properties of carbon coated Fe, Co and Ni nanoparticles. Journal of Alloys and Compounds, 2012, 513, 193-201.	2.8	30
230	Electrical properties and glass transition temperature of multiwalled carbon nanotube/polyaniline composites. Journal of Non-Crystalline Solids, 2012, 358, 1339-1344.	1.5	18
231	Antimicrobial activity of CdS and Ag2S quantum dots immobilized on poly(amidoamine) grafted carbon nanotubes. Colloids and Surfaces B: Biointerfaces, 2012, 100, 215-221.	2.5	75
232	Hyaluronate Tethered, â€œSmartâ€•Multiwalled Carbon Nanotubes for Tumor-Targeted Delivery of Doxorubicin. Bioconjugate Chemistry, 2012, 23, 2201-2213.	1.8	127
234	Significantly Reinforced Composite Fibers Electrospun from Silk Fibroin/Carbon Nanotube Aqueous Solutions. Biomacromolecules, 2012, 13, 2859-2867.	2.6	80
235	Polymer nanocomposites: structure, interaction, and functionality. Nanoscale, 2012, 4, 1919.	2.8	88
236	Na+-intercalated carbon nanotubes-supported platinum nanoparticles as new highly effective catalysts for preferential CO oxidation in H2-rich stream. International Journal of Hydrogen Energy, 2012, 37, 14124-14132.	3.8	10
237	Functionalized carbon nanotube-induced viscosity reduction of an ionic liquid and performance improvement of dye-sensitized solar cells. Electrochimica Acta, 2012, 85, 1-8.	2.6	38
238	Influence of the pore structure and surface chemistry on adsorption of ethylbenzene and xylene isomers by KOH-activated multi-walled carbon nanotubes. Journal of Hazardous Materials, 2012, 237-238, 102-109.	6.5	36
239	Wet-spinning assembly of continuous, neat and macroscopic graphene fibers. Scientific Reports, 2012, 2, 613.	1.6	257
240	Mechanical Properties of Nanocomposite Cement Incorporating Surface-Treated and Untreated Carbon Nanotubes and Carbon Nanofibers. Journal of Nanomechanics & Micromechanics, 2012, 2, 1-6.	1.4	121
241	Study of thallium(III) adsorption onto multiwall carbon nanotubes. New Carbon Materials, 2012, 27, 409-415.	2.9	23
242	Synergistic improvement of thermal conductivity of thermoplastic composites with mixed boron nitride and multi-walled carbon nanotube fillers. Carbon, 2012, 50, 4830-4838.	5.4	230

#	Article	IF	Citations
243	Functionalization of carbon nanotubes by water plasma. Nanotechnology, 2012, 23, 385604.	1.3	45
244	Physical Defect Formation in Few Layer Graphene-like Carbon on Metals: Influence of Temperature, Acidity, and Chemical Functionalization. Langmuir, 2012, 28, 4565-4572.	1.6	13
245	Experimental-Computational Study of Shear Interactions within Double-Walled Carbon Nanotube Bundles. Nano Letters, 2012, 12, 732-742.	4.5	53
246	Characterization of Hybrid Epoxy Nanocomposites. Nanomaterials, 2012, 2, 348-365.	1.9	16
247	Fabrication and Mechanical Properties of Cnt/6063 Al Composites Prepared by Vacuum Assisted Infiltration Technique Using Cnt-Al Preforms. Advanced Composites Letters, 2012, 21, 096369351202100.	1.3	9
248	Functionalized carbon nanotube/polyacrylonitrile composite nanofibers: fabrication and properties. Polymers for Advanced Technologies, 2012, 23, 262-271.	1.6	24
249	Properties of PMMA/Carbon nanotubes nanocomposites prepared by â€œgrafting throughâ€•method. Polymer Composites, 2012, 33, 215-224.	2.3	47
250	Thermodynamics of benzene adsorption on oxidized carbon nanotubes â€“ experimental and simulation studies. Chemical Physics Letters, 2012, 538, 93-98.	1.2	20
251	Functionalization of multi-walled carbon nanotubes with coumarin derivatives and their biological evaluation. Organic and Biomolecular Chemistry, 2012, 10, 1025-1031.	1.5	38
252	Effect of sulphuricâ€“nitric acid mixture composition on surface chemistry and structural evolution of liquidâ€phase oxidised carbon nanotubes. Journal of Raman Spectroscopy, 2012, 43, 1432-1442.	1.2	52
253	Preparation of cyanoâ€functionalized multiwalled carbon nanotubes as solidâ€phase extraction sorbent for preconcentration of phenolic compounds in environmental water. Journal of Separation Science, 2012, 35, 1967-1976.	1.3	23
254	Matrixâ€grafted multiwalled carbon nanotubes/poly(methyl methacrylate) nanocomposites synthesized by in situ RAFT polymerization: A kinetic study. International Journal of Chemical Kinetics, 2012, 44, 555-569.	1.0	49
255	Synthesis and properties of coreâ€“shell fluorescent hybrids with distinct morphologies based on carbon dots. Journal of Materials Chemistry, 2012, 22, 16219.	6.7	40
256	Epoxide Speciation and Functional Group Distribution in Graphene Oxide Paperâ€Like Materials. Advanced Functional Materials, 2012, 22, 3950-3957.	7.8	73
257	Carbonâ€Carbon Contacts for Robust Nanoelectromechanical Switches. Advanced Materials, 2012, 24, 2463-2468.	11.1	35
258	The preparation, structures, and properties of poly(vinylidene fluoride)/multiwall carbon nanotubes nanocomposites. Journal of Applied Polymer Science, 2012, 125, E592.	1.3	19
259	Strong and Stable Doping of Carbon Nanotubes and Graphene by MoO_x for Transparent Electrodes. Nano Letters, 2012, 12, 3574-3580.	4.5	146
260	Modification of multiwall carbon nanotubes with ruthenium(II) terpyridine complex. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	5

#	Article	IF	Citations
261	On the role of amorphous intergranular and interfacial layers in the thermal conductivity of a multi-walled carbon nanotubeâ€“copper matrix composite. Acta Materialia, 2012, 60, 726-736.	3.8	108
262	Effect of nickel catalyst on physicochemical properties of carbon xerogels as electrode materials for supercapacitor. Current Applied Physics, 2012, 12, 911-918.	1.1	17
263	Fusion of carbon nanotubes for fabrication of field emission cathodes. Carbon, 2012, 50, 356-361.	5.4	13
264	Morphology and adsorption properties of chemically modified MWCNT probed by nitrogen, n-propane and water vapor. Carbon, 2012, 50, 577-585.	5.4	31
265	Stability of multi-walled carbon nanotubes in commonly used acidic media. Carbon, 2012, 50, 1465-1476.	5.4	48
266	Electronic and mechanical degradation of oxidized CNTs. Carbon, 2012, 50, 1734-1739.	5.4	35
267	Graphene layers produced from carbon nanotubes by friction. Carbon, 2012, 50, 1934-1941.	5.4	18
268	Adsorption of perchlorate onto raw and oxidized carbon nanotubes in aqueous solution. Carbon, 2012, 50, 2209-2219.	5.4	77
269	Surface functionalization of vertically-aligned carbon nanotube forests by radio-frequency Ar/O2 plasma. Carbon, 2012, 50, 2710-2716.	5.4	76
270	Deposition of functionalized single wall carbon nanotubes through matrix assisted pulsed laser evaporation. Carbon, 2012, 50, 4450-4458.	5.4	36
271	Electrical conductivity and thermal stability of polypropylene containing well-dispersed multi-walled carbon nanotubes disentangled with exfoliated nanoplatelets. Carbon, 2012, 50, 4711-4721.	5.4	85
272	An efficient and mild carboxylation of multiwall carbon nanotubes using H2O2 in the presence of heteropolyacid. Chinese Chemical Letters, 2012, 23, 470-473.	4.8	7
273	Microstructural features of nanocomposite of alumina@carbon nanotubes/alumina nanoparticles synthesized by a solvothermal method. Ceramics International, 2012, 38, 3991-3998.	2.3	8
274	Toughening and reinforcement of poly(vinylidene fluoride) nanocomposites with â€œbud-branchedâ€• nanotubes. Composites Science and Technology, 2012, 72, 263-268.	3.8	17
275	Compressive behavior of MWCNT/epoxy composite mats. Composites Science and Technology, 2012, 72, 1027-1033.	3.8	40
276	Tantalum oxide/carbon nanotubes composite coatings on titanium, and their functionalization with organophosphonic molecular films: A high quality scaffold for hydroxyapatite growth. Journal of Colloid and Interface Science, 2012, 371, 150-158.	5.0	45
277	Influence of surface functionalization via chemical oxidation on the properties of carbon nanotubes. Journal of Colloid and Interface Science, 2012, 370, 32-38.	5.0	125
278	Surface-associated metal catalyst enhances the sorption of perfluorooctanoic acid to multi-walled carbon nanotubes. Journal of Colloid and Interface Science, 2012, 377, 342-346.	5.0	27

#	Article	IF	Citations
279	Cyanamide derived thin film on carbon nanotubes as metal free oxygen reduction reaction electrocatalyst. Electrochimica Acta, 2012, 59, 8-13.	2.6	45
280	Influence of size and oxidative treatments of multi-walled carbon nanotubes on their electrocatalytic properties. Electrochimica Acta, 2012, 62, 163-171.	2.6	79
281	Enhanced reversible lithium storage in a nano-Si/MWCNT free-standing paper electrode prepared by a simple filtration and post sintering process. Electrochimica Acta, 2012, 76, 326-332.	2.6	65
282	Preparation and characterization of carbon nanotubes/carbon fiber hybrid material by ultrasonically assisted electrophoretic deposition. Materials Letters, 2012, 66, 382-384.	1.3	89
283	Effect of Î³-ray MWCNTs on electrical conductivity of a PET/graphite composite. Materials Letters, 2012, 67, 219-221.	1.3	3
284	Titanium carbide-derived carbon as a novel support for platinum catalysts in direct methanol fuel cell application. Journal of Power Sources, 2012, 199, 22-28.	4.0	49
285	Fabrication of a high-performance Pbâ€“PtCu/CNT catalyst for methanol electro-oxidation. Journal of Power Sources, 2012, 210, 81-85.	4.0	40
286	Aqueous-dispersible fullerol-carbon nanotube hybrids. Materials Letters, 2012, 82, 48-50.	1.3	7
287	Pyrohydrolysis of carbon nanotubes for Br and I determination by ICP-MS. Microchemical Journal, 2012, 101, 54-58.	2.3	29
288	Multiwalled carbon nanotubes functionalized with maleated poly(propylene) by a dry mechano-chemical process. Polymer, 2012, 53, 291-299.	1.8	35
289	Enhancing performance of ZnO dye-sensitized solar cells by incorporation of multiwalled carbon nanotubes. Nanoscale Research Letters, 2012, 7, 166.	3.1	44
290	Simultaneous Voltammetric Determination of Ascorbic Acid and Sulfite in Beverages Employing a Glassy Carbon Electrode Modified with Carbon Nanotubes within a Poly(Allylamine Hydrochloride) Film. Electroanalysis, 2012, 24, 627-634.	1.5	25
291	Annealing Influence on Siloxane-Based Materials Incorporated with Fullerenes, Phthalocyanines, and Silsesquioxanes. BioNanoScience, 2012, 2, 52-58.	1.5	0
292	On the merits of Raman spectroscopy and thermogravimetric analysis to asses carbon nanotube structural modifications. Applied Physics A: Materials Science and Processing, 2012, 106, 843-852.	1.1	30
293	Multiwalled carbon nanotubes-supported Nickel catalysts for the steam reforming of propane. Journal of Materials Science, 2012, 47, 2985-2994.	1.7	24
294	Mechanical and thermal properties of multiwalled carbon nanotube/polypropylene composites using itaconic acid as compatibilizer and coupling agent. Macromolecular Research, 2013, 21, 153-160.	1.0	18
295	Near infrared dye functionalized MWCNT as an effective initiator for the ring opening polymerization of Îµ-caprolactone. Journal of Polymer Research, 2013, 20, 1.	1.2	24
296	Mixed matrix vanadium oxide catalytic nanocomposite membrane for styrene oxidation. Journal of Sol-Gel Science and Technology, 2013, 67, 221-235.	1.1	2

#	Article	IF	Citations
297	Properties and Structural Studies of Multi-Wall Carbon Nanotubes-Phosphate Ester Hybrids. International Journal of Organic Chemistry, 2013, 03, 26-34.	0.3	2
298	Nanoadsorbents: Classification, Preparation, and Applications (with Emphasis on Aqueous Media). Chemical Reviews, 2013, 113, 7728-7768.	23.0	435
299	Enhanced conductivity of Y-doped ZnO thin films by incorporation of multiple walled carbon nanotubes. Thin Solid Films, 2013, 527, 92-95.	0.8	6
300	A facile and novel approach towards carboxylic acid functionalization of multiwalled carbon nanotubes and efficient water dispersion. Materials Letters, 2013, 108, 253-256.	1.3	27
301	Rapid oxidative activation of carbon nanotube yarn and sheet by a radio frequency, atmospheric pressure, helium and oxygen plasma. Carbon, 2013, 57, 11-21.	5.4	25
302	Oxidized multiwalled carbon nanotubes for improving the electrocatalytic activity of a Schiff base modified electrode in determination of isoprenaline. Journal of Electroanalytical Chemistry, 2013, 705, 75-80.	1.9	28
303	An efficient, reusable copper-oxide/carbon-nanotube catalyst for N-arylation of imidazole. Carbon, 2013, 62, 135-148.	5.4	90
304	Solâ€“gel preparation and electrochemical characterization of SnO2/MWCNTs anode materials for Li-ion batteries. Applied Surface Science, 2013, 275, 160-167.	3.1	25
305	Multi-walled carbon nanotubes immobilized on zero-valent iron plates (Fe0-CNTs) for catalytic ozonation of methylene blue as model compound in a bubbling reactor. Separation and Purification Technology, 2013, 116, 351-359.	3.9	41
306	Intensified internal electrolysis for degradation of methylene blue as model compound induced by a novel hybrid material: Multi-walled carbon nanotubes immobilized on zero-valent iron plates (Fe0-CNTs). Chemical Engineering Journal, 2013, 217, 99-107.	6.6	48
307	One-step solid-state synthesis of carbon nanotubes with surface functionality and their application in water treatment. RSC Advances, 2013, 3, 16990.	1.7	11
308	Enhancement of electrocatalytic activity for oxygen reduction reaction in alkaline and acid media from electrospun nitrogen-doped carbon nanofibers by surface modification. RSC Advances, 2013, 3, 15655.	1.7	32
309	Phosphorylated multiwalled carbon nanotube-cyclodextrin polymer: Synthesis, characterisation and potential application in water purification. Carbohydrate Polymers, 2013, 98, 470-476.	5.1	38
310	Active Poly(4â€chloromethyl styrene)â€Functionalized Multiwalled Carbon Nanotubes. Macromolecular Chemistry and Physics, 2013, 214, 1829-1835.	1.1	12
311	The production of activated carbon from cation exchange resin for high-performance supercapacitor. Journal of Solid State Electrochemistry, 2013, 17, 1749-1758.	1.2	21
312	Gelatin-derived nitrogen-doped porous carbon via a dual-template carbonization method for high performance supercapacitors. Journal of Materials Chemistry A, 2013, 1, 10903.	5.2	128
313	Characterization and thermal degradation of poly(<scp>d</scp>,<scp>l</scp>â€lactideâ€coâ€glycolide) composites with nanofillers. Polymer Engineering and Science, 2013, 53, 1414-1429.	1.5	29
314	In situ preparation and mechanical properties of CNTs/MCMBs composites. Composites Part B: Engineering, 2013, 47, 290-297.	5.9	18

#	Article	IF	Citations
315	Hydrothermal synthesis of single-walled carbon nanotubeâ€“TiO2 hybrid and its photocatalytic activity. Applied Surface Science, 2013, 270, 238-244.	3.1	80
316	Electrostatic self-assembly of platinum nanochains on carbon nanotubes: A highly active electrocatalyst for the oxygen reduction reaction. Applied Catalysis B: Environmental, 2013, 140-141, 552-558.	10.8	20
317	Carbonyl group generation on single-wall carbon nanotubes with nitric acid: A theoretical description. Chemical Physics Letters, 2013, 582, 123-128.	1.2	7
318	Ozonation and Carbon-assisted Ozonation of Methylene Blue as Model Compound: Effect of Solution pH. Procedia Environmental Sciences, 2013, 18, 493-502.	1.3	30
319	Improvement of the hydrophilicity of electrospun porous carbon nanofibers by grafting phenylsulfonic acid groups. Journal of Colloid and Interface Science, 2013, 394, 177-182.	5.0	15
320	The effects of high energy probe sonication on the thermoelectric power of large diameter multiwalled carbon nanotubes synthesized by chemical vapor deposition. Synthetic Metals, 2013, 184, 68-72.	2.1	10
321	Analysis of the acid, base and air oxidized carbon microspheres synthesized in a single step from waste engine oil. Corrosion Science, 2013, 73, 356-364.	3.0	12
322	Using matrixâ€assisted laser desorption/ionization timeâ€ofâ€flight mass spectrometry for the characterization of functionalized carbon nanotubes. Rapid Communications in Mass Spectrometry, 2013, 27, 1359-1366.	0.7	6
323	Simple quantification of surface carboxylic acids on chemically oxidized multi-walled carbon nanotubes. Applied Surface Science, 2013, 266, 219-224.	3.1	51
324	Structure, Chemistry and Energy of Carbon Surfaces. Adsorption Science and Technology, 2013, 31, 113-133.	1.5	5
325	Gas adsorption studies of CO2 and N2 in spatially aligned double-walled carbon nanotube arrays. Carbon, 2013, 61, 616-623.	5.4	64
326	The effect of functionalisation method on the stability and the thermal conductivity of nanofluid hybrids of carbon nanotubes/gamma alumina. Ceramics International, 2013, 39, 3885-3891.	2.3	168
327	Voltammetric determination of verapamil and propranolol using a glassy carbon electrode modified with functionalized multiwalled carbon nanotubes within a poly (allylamine hydrochloride) film. Journal of Electroanalytical Chemistry, 2013, 708, 73-79.	1.9	52
328	Photo-regenerable multi-walled carbon nanotube membranes for the removal of pharmaceutical micropollutants from water. Environmental Sciences: Processes and Impacts, 2013, 15, 1582.	1.7	27
329	Oxidative Dehydrogenation on Nanocarbon: Identification and Quantification of Active Sites by Chemical Titration. Angewandte Chemie - International Edition, 2013, 52, 14224-14228.	7.2	246
330	Preferential oxidation of CO in a H2-rich stream over multi-walled carbon nanotubes confined Ru catalysts. International Journal of Hydrogen Energy, 2013, 38, 16665-16676.	3.8	34
331	Fabrication and Corrosion Resistance of SiC-coated Multi-walled Carbon Nanotubes. Journal of Materials Science and Technology, 2013, 29, 1146-1150.	5.6	17
332	Nitrogen-Doped Porous Carbon Prepared from Urea Formaldehyde Resins by Template Carbonization Method for Supercapacitors. Industrial & Engineering Chemistry Research, 2013, 52, 10181-10188.	1.8	64

#	Article	IF	Citations
333	Statistical optimization and kinetic studies on removal of Zn2+ using functionalized carbon nanotubes and magnetic biochar. Journal of Environmental Chemical Engineering, 2013, 1, 486-495.	3.3	96
334	Carbon as a catalyst: Esterification of acetic acid with ethanol. Catalysis Today, 2013, 218-219, 51-56.	2.2	28
335	A facile method to tune electronic properties of carbon nanotube films. Materials Letters, 2013, 106, 137-140.	1.3	16
336	Effect of fluorination of multiwalled carbon nanotubes (MWCNTs) on the surface properties of fouling-release silicone/MWCNTs coatings. Progress in Organic Coatings, 2013, 76, 375-383.	1.9	38
338	Highly stable carbon nanotube field emitters on small metal tips against electrical arcing. Nanoscale Research Letters, 2013, 8, 355.	3.1	19
339	Preparation and evaluation of activated carbons from lotus stalk with trimethyl phosphate and tributyl phosphate activation for lead removal. Chemical Engineering Journal, 2013, 228, 425-434.	6.6	73
340	Facile Synthesis and Enhanced Nonlinear Optical Properties of Porphyrinâ€Functionalized Multiâ€Walled Carbon Nanotubes. Chemistry - A European Journal, 2013, 19, 14159-14170.	1.7	49
341	Nitrogen-Doped Porous Carbon Spheres Derived from Polyacrylamide. Industrial & Engineering Chemistry Research, 2013, 52, 12025-12031.	1.8	50
342	Preparation of graphitic carbon nanofibres by in situ catalytic graphitisation of phenolic resins. Ceramics International, 2013, 39, 8487-8492.	2.3	11
343	Effect of the Specific Surface Sites on the Reducibility of Î±-Fe₂O₃/Graphene Composites by Hydrogen. Journal of Physical Chemistry C, 2013, 117, 20313-20319.	1.5	15
344	SeZnSb alloy and its nano tubes, graphene composites properties. AIP Advances, 2013, 3, 042124.	0.6	6
345	Enhanced dispersion for electrical percolation behavior of multi-walled carbon nanotubes in polymer nanocomposites using simple powder mixing and in situ polymerization with surface treatment of the fillers. Composites Science and Technology, 2013, 89, 29-37.	3.8	43
346	â€˜Bucky gelâ€™ of multiwalled carbon nanotubes as electrodes for high performance, flexible electric double layer capacitors. Nanotechnology, 2013, 24, 465704.	1.3	28
347	A general conversion of polyacrylateâ€“metal complexes into porous carbons especially evinced in the case of magnesium polyacrylate. Journal of Materials Chemistry A, 2013, 1, 4017.	5.2	26
348	Development, characterization and cancer targeting potential of surface engineered carbon nanotubes. Journal of Drug Targeting, 2013, 21, 745-758.	2.1	52
349	Highly efficient and robust oxygen evolution catalysts achieved by anchoring nanocrystalline cobalt oxides onto mildly oxidized multiwalled carbon nanotubes. Journal of Materials Chemistry A, 2013, 1, 12053.	5.2	166
350	Detection of hidden drugs with a molecularly imprinted electrochemiluminescence sensor. Analytical Methods, 2013, 5, 6064.	1.3	11
351	Polymer removal from electronic grade single-walled carbon nanotubes after gel electrophoresis. Journal of Materials Chemistry C, 2013, 1, 6813.	2.7	6

#	Article	IF	Citations
352	Synthesis of modified carbon nanotube-supported Pd and the catalytic performance for hydrodehalogenation of aryl halides. Canadian Journal of Chemistry, 2013, 91, 307-314.	0.6	5
353	Effect of carbon nanofiber surface functional groups on oxygen reduction in alkaline solution. Journal of Power Sources, 2013, 225, 192-199.	4.0	136
354	Concentration effect of multiwalled carbon nanotube and poly(3, 4-ethylenedioxythiophene) polymerized with poly(4-styrenesulfonate) conjugated film on the catalytic activity for counter electrode in dye sensitized solar cells. Renewable Energy, 2013, 50, 692-700.	4.3	36
355	Synthesis of C60(O)3: An Open-Cage Fullerene with a Ketolactone Moiety on the Orifice. Journal of Organic Chemistry, 2013, 78, 1157-1162.	1.7	28
356	Functionalization of multi-walled carbon nanotubes using water-assisted chemical vapor deposition. Journal of Solid State Chemistry, 2013, 197, 517-522.	1.4	37
357	Adsorption characteristics of 1,2,4-trichlorobenzene, 2,4,6-trichlorophenol, 2-naphthol and naphthalene on graphene and graphene oxide. Carbon, 2013, 51, 156-163.	5.4	311
358	A new approach for mesoporous carbon organofunctionalization with maleic anhydride. Microporous and Mesoporous Materials, 2013, 165, 168-176.	2.2	11
360	A Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction: Nâ€Doped Ketjenblack Incorporated into Fe/Fe₃Câ€Functionalized Melamine Foam. Angewandte Chemie - International Edition, 2013, 52, 1026-1030.	7.2	324
361	Magnesium oxide grafted carbon nanotubes based impedimetric genosensor for biomedical application. Biosensors and Bioelectronics, 2013, 50, 406-413.	5.3	19
362	Sewage sludge biochar as an efficient catalyst for oxygen reduction reaction in an microbial fuel cell. Bioresource Technology, 2013, 144, 115-120.	4.8	166
363	Discrimination and simultaneous determination of hydroquinone and catechol by tunable polymerization of imidazolium-based ionic liquid on multi-walled carbon nanotube surfaces. Analytica Chimica Acta, 2013, 805, 36-44.	2.6	91
364	Experimental and theoretical investigation on the interaction between palladium nanoparticles and functionalized carbon nanotubes for Heck synthesis. Catalysis Today, 2013, 212, 206-214.	2.2	42
365	Carbon nanotubes enhanced the lead toxicity on the freshwater fish. Journal of Physics: Conference Series, 2013, 429, 012043.	0.3	22
366	Surface modification of bone char for removal of formaldehyde from air. Applied Surface Science, 2013, 286, 235-239.	3.1	58
367	Bio-assisted synthesis of mesoporous Li3V2(PO4)3 for high performance lithium-ion batteries. Electrochimica Acta, 2013, 112, 295-303.	2.6	31
368	Comparison of the pervaporation performance of various types of carbon nanotube-based nanocomposites in the dehydration of acetone. Separation and Purification Technology, 2013, 107, 252-263.	3.9	43
369	Investigation of defects generated in vertically oriented graphene. Carbon, 2013, 64, 92-100.	5.4	48
370	Controlled assembly of graphene shells encapsulated gold nanoparticles and their integration with carbon nanotubes. Carbon, 2013, 62, 76-87.	5.4	21

#	Article	IF	Citations
371	The effects of low power density CO2 laser irradiation on graphene properties. Applied Surface Science, 2013, 273, 502-506.	3.1	26
372	An efficient method for the carboxylation of few-wall carbon nanotubes with little damage to their sidewalls. Materials Chemistry and Physics, 2013, 140, 499-507.	2.0	24
373	Exponentially increased nucleation ability for poly(L-lactide) by adding acid-oxidized multiwalled carbon nanotubes with reduced aspect ratios. Science China Chemistry, 2013, 56, 181-194.	4.2	16
374	Role of graphene defects in corrosion of graphene-coated Cu(111) surface. Applied Physics Letters, 2013, 102, .	1.5	79
375	Aquatic Biofouling Prevention by Electrically Charged Nanocomposite Polymer Thin Film Membranes. Environmental Science & Technology, 2013, 47, 2760-2768.	4.6	170
376	Application of cryomilling to enhance material properties of carbon nanotube reinforced chitosan nanocomposites. Composites Part B: Engineering, 2013, 50, 127-134.	5.9	33
377	Purification and sidewall functionalization of multiwalled carbon nanotubes and resulting bioactivity in two macrophage models. Inhalation Toxicology, 2013, 25, 199-210.	0.8	65
378	Electrochemical anodic oxidation of nitrogen doped carbon nanowall films: X-ray photoelectron and Micro-Raman spectroscopy study. Applied Surface Science, 2013, 273, 49-57.	3.1	44
379	Novel carbon nanotube composites by grafting reaction with water-compatible redox initiator system. Colloid and Polymer Science, 2013, 291, 699-708.	1.0	19
380	Removal of natural organic matter in water using functionalised carbon nanotube buckypaper. Carbon, 2013, 59, 160-166.	5.4	88
381	Adsorptive removal of dyes from aqueous solution onto carbon nanotubes: A review. Advances in Colloid and Interface Science, 2013, 193-194, 24-34.	7.0	1,023
382	Bio-Inspired Carbon Nanotubeâ€“Polymer Composite Yarns with Hydrogen Bond-Mediated Lateral Interactions. ACS Nano, 2013, 7, 3434-3446.	7.3	103
383	Evidences for Ï€-interactions between pyridine modified copolymer and carbon nanotubes and its role as a compatibilizer in poly(methyl methacrylate) composites. Composites Science and Technology, 2013, 79, 133-139.	3.8	20
384	Enhancing the performance of Co3O4/CNTs for the catalytic combustion of toluene by tuning the surface structures of CNTs. Applied Catalysis B: Environmental, 2013, 140-141, 1-8.	10.8	81
385	Determination of gemfibrozil in pharmaceutical and urine samples by square-wave adsorptive stripping voltammetry using a glassy carbon electrode modified with multi-walled carbon nanotubes within a dihexadecyl hydrogen phosphate film. Journal of Electroanalytical Chemistry, 2013, 690, 32-37.	1.9	26
386	Mathematical models for the oxidative functionalization of multiwalled carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 156-165.	2.3	10
387	A high-performance hydrogen gas sensor using ultrathin polypyrrole-coated CNT nanohybrids. Chemical Communications, 2013, 49, 4673.	2.2	36
388	Self-Assembly of Tetrakis (3-Trifluoromethylphenoxy) Phthalocyaninato Cobalt(II) on Multiwalled Carbon Nanotubes and Their Amperometric Sensing Application for Nitrite. ACS Applied Materials & Interfaces, 2013, 5, 2255-2260.	4.0	88

#	Article	IF	Citations
389	Reaction of Methane with Bulk Intermetallics Containing Iron Clusters Yields Carbon Nanotubes. Chemistry of Materials, 2013, 25, 1480-1482.	3.2	4
390	The production of functionalized multiwall carbon nanotube/amino acid-based poly(amideâ€“imide) composites containing a pendant dopamine moiety. Carbon, 2013, 56, 27-37.	5.4	71
391	Synergistic effects of oxidized CNTs and reactive oligomer on the fracture toughness and mechanical properties of epoxy. Composites Part A: Applied Science and Manufacturing, 2013, 49, 58-67.	3.8	33
392	Controllable purification, cutting and unzipping of multi-walled carbon nanotubes with a microwave method. Applied Physics A: Materials Science and Processing, 2013, 111, 951-957.	1.1	18
393	Nitrogen-doped porous carbons by conversion of azo dyes especially in the case of tartrazine. Journal of Power Sources, 2013, 242, 41-49.	4.0	23
394	Water-assisted growth of graphene on carbon nanotubes by the chemical vapor deposition method. Nanoscale, 2013, 5, 4422.	2.8	38
395	Carboxylated multiwalled carbon nanotubes based biosensor for aflatoxin detection. Sensors and Actuators B: Chemical, 2013, 185, 258-264.	4.0	138
396	Solâ€“gel synthesis of tantalum oxide and phosphonic acid-modified carbon nanotubes composite coatings on titanium surfaces. Materials Science and Engineering C, 2013, 33, 2686-2697.	3.8	23
397	Enhanced Hydrogen-Transfer Catalytic Activity of Iridium N-Heterocyclic Carbenes by Covalent Attachment on Carbon Nanotubes. ACS Catalysis, 2013, 3, 1307-1317.	5.5	77
398	Influence of the alignment degree of CVD-grown carbon nanotubes on their functionalization and adsorption capacity. Diamond and Related Materials, 2013, 37, 1-7.	1.8	6
399	Functionalization of Multiwall Carbon Nanotubes by Ozone at Basic pH. Comparison with Oxygen Plasma and Ozone in Gas Phase. Journal of Physical Chemistry C, 2013, 117, 11647-11655.	1.5	49
400	Evaluation of the chemical interaction between carbon nanotubes functionalized with TGDDM tetrafunctional resin and hardener DDS. Composites Part B: Engineering, 2013, 51, 197-203.	5.9	12
401	Chirality Affects Aggregation Kinetics of Single-Walled Carbon Nanotubes. Environmental Science & Technology, 2013, 47, 1844-1852.	4.6	52
402	Enhancing effect of KMnO4 oxidation of carbon nanotubes network embedded in elastic polyurethane on overall electro-mechanical properties of composite. Composites Science and Technology, 2013, 81, 54-60.	3.8	29
403	On-line solid phase extraction of Cd from protein fractions of serum using oxidized carbon nanotubes coupled to electrothermal atomization atomic absorption spectrometry. Microchemical Journal, 2013, 110, 94-98.	2.3	11
404	Hierarchical Hybrids of Carbon Nanotubes in Amphiphilic Poly(ethylene oxide)-block-polyaniline through a Facile Method: From Smooth to Thorny. Langmuir, 2013, 29, 3757-3764.	1.6	20
405	Epitaxial growth of chromium carbide nanostructures on multiwalled carbon nanotubes (MWCNTs) in MWCNTâ€“copper composites. Acta Materialia, 2013, 61, 708-716.	3.8	54
406	A high-efficiency microwave approach to synthesis of Bi-modified Pt nanoparticle catalysts for ethanol electro-oxidation in alkaline medium. Applied Catalysis B: Environmental, 2013, 129, 549-555.	10.8	55

#	Article	IF	Citations
407	Effects of acid treatment on structure, properties and biocompatibility of carbon nanotubes. Applied Surface Science, 2013, 264, 261-268.	3.1	59
408	Sensitive immunosensor for the label-free determination of tumor marker based on carbon nanotubes/mesoporous silica and graphene modified electrode. Biosensors and Bioelectronics, 2013, 41, 342-347.	5.3	66
409	An effective approach for purifying, cutting, and functionalising of multi-walled carbon nanotubes. Materials Science and Technology, 2013, 29, 1423-1429.	0.8	2
410	Direct graphene synthesis on SiO2/Si substrate by ion implantation. Applied Physics Letters, 2013, 102, .	1.5	34
411	Negative thermoelectric power from large diameter multiwalled carbon nanotubes grown at high chemical vapor deposition temperatures. Journal of Applied Physics, 2013, 114, .	1.1	13
412	Performance of carbon nanotube wires in extreme conditions. Carbon, 2013, 62, 438-446.	5.4	56
413	Preparation and Characterization of Conductive and Transparent Ruthenium Dioxide Solâ€“Gel Films. ACS Applied Materials & Interfaces, 2013, 5, 11683-11691.	4.0	8
414	Highly Efficient Bienzyme Functionalized Nanocomposite-Based Microfluidics Biosensor Platform for Biomedical Application. Scientific Reports, 2013, 3, 2661.	1.6	76
415	Multiwalled Carbon Nanotubes with Tuned Surface Functionalities for Electrochemical Energy Storage. ECS Journal of Solid State Science and Technology, 2013, 2, M3008-M3014.	0.9	17
416	Structure and Capacitive Performance of Porous Carbons Derived from Terephthalic Acidâ€“Zinc Complex via a Template Carbonization Process. Industrial & Engineering Chemistry Research, 2013, 52, 16211-16219.	1.8	10
417	Preparation and characterisation of NiZn ferrite/multiwalled nanotubes thermoplastic natural rubber composite. International Journal of Materials Engineering Innovation, 2013, 4, 214.	0.2	13
418	Tribological Properties of Stearic Acid Modified Multi-Walled Carbon Nanotubes in Water. Journal of Tribology, 2013, 135, .	1.0	13
420	Modified Carbon Nanotubes. , 2013, , 189-232.		4
421	Th(IV) Adsorption onto Oxidized Multi-Walled Carbon Nanotubes in the Presence of Hydroxylated Fullerene and Carboxylated Fullerene. Materials, 2013, 6, 4168-4185.	1.3	14
422	A New Purification Way for Multiwalled Carbon Nanotubes. Applied Mechanics and Materials, 2013, 457-458, 240-243.	0.2	2
423	Polyamide 6/Multiwalled Carbon Nanotubes Nanocomposites with Modified Morphology and Thermal Properties. Polymers, 2013, 5, 1380-1391.	2.0	88
424	Differential Toxic Responses Between Pristine and Functionalized Multiwall Nanotubes Involve Induction of Autophagy Accumulation in Murine Lung. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 1282-1292.	1.1	27
425	Exposure to Carbon Nanotubes Leads to Changes in the Cellular Biomechanics. Advanced Healthcare Materials, 2013, 2, 945-951.	3.9	28

#	Article	IF	Citations
426	Poly(N -vinyl carbazole) (PNVCz)-based composite materials: Electrical properties, morphologic, and thermal characterization of PNVCz/MWCNTs and PNVCz/o-GLs systems. Polymer Composites, 2013, 34, 1986-1998.	2.3	2
427	Functionalization of Multi-walled Carbon Nanotubes via Direct Friedel-crafts Acylation in an Optimized PPA/P₂O₅Medium. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 516-524.	1.0	11
428	Printed, subâ€2V ZnO Electrolyte Gated Transistors and Inverters on Plastic. Advanced Materials, 2013, 25, 3413-3418.	11.1	140
429	Effect of POSS-NH₂ functionalization of MWNTs on reinforcing properties in epoxy nanocomposites. High Performance Polymers, 2013, 25, 566-575.	0.8	12
430	Heat treatment and substrate dependant properties of titania thin films with high copper loading. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1201-1212.	0.8	5
431	Influence of surface oxidation on the morphological and crystallographic structure of multi-walled carbon nanotubes via different oxidants. Journal of Nanostructure in Chemistry, 2013, 3, 1.	5.3	73
432	Direct functionalization with 3,5-substituted benzoic acids of multiwalled carbon nanotube/epoxy composites. Polymer Engineering and Science, 2013, 53, n/a-n/a.	1.5	7
434	Plasma Modification of Carbon Nanotubes. Current Organic Chemistry, 2013, 17, 1880-1893.	0.9	16
435	Electrophoretic Deposition of Carbon Nanotubes on 3-Amino-Propyl-Triethoxysilane (APTES) Surface Functionalized Silicon Substrates. Nanomaterials, 2013, 3, 272-288.	1.9	64
436	Improved Performance of an Epoxy Matrix as a Result of Combining Graphene Oxide and Reduced Graphene. International Journal of Polymer Science, 2013, 2013, 1-7.	1.2	32
437	Influence of Multiwall Carbon Nanotube on Polyethersulfone/ Polyvinyl Alcohol Blend Membranes. Jurnal Teknologi (Sciences and Engineering), 2014, 67, .	0.3	0
438	The effects of surface modifications of multiwalled carbon nanotubes on their dispersibility in different solvents and poly(ether ether ketone). Journal of Materials Research, 2014, 29, 2625-2633.	1.2	9
439	Humidity switching properties of sensors based on multiwalled carbon nanotubes/polyvinyl alcohol composite films. Journal of Applied Polymer Science, 2014, 131, .	1.3	44
441	Production of carbon films by the electric arc sputtering of graphite in a magnetic field. Journal of Surface Investigation, 2014, 8, 1306-1310.	0.1	2
442	Effects of size and interparticle interaction of silica nanoparticles on dispersion and electrical conductivity of silver/epoxy nanocomposites. Journal of Applied Physics, 2014, 115, 154307.	1.1	21
443	Study of Carbon Deposition Behavior on Cuâ€“Co/CeO₂â€“YSZ Anodes for Direct Butane Solid Oxide Fuel Cells. Fuel Cells, 2014, 14, 1006-1013.	1.5	13
446	Electrochemical Coâ€Deposition of Phosphonateâ€Modified Carbon Nanotubes and Tantalum on Nitinol. ChemElectroChem, 2014, 1, 896-902.	1.7	4
447	Multiwalled Carbon Nanotube-TiO₂Nanocomposite for Visible-Light-Induced Photocatalytic Hydrogen Evolution. Journal of Nanomaterials, 2014, 2014, 1-8.	1.5	14

#	Article	IF	Citations
448	Ozone Sensing Based on Palladium Decorated Carbon Nanotubes. Sensors, 2014, 14, 6806-6818.	2.1	34
449	Removal and Adsorption ofp-Nitrophenol from Aqueous Solutions Using Carbon Nanotubes and Their Composites. Journal of Nanomaterials, 2014, 2014, 1-9.	1.5	33
450	Characterization andIn VitroSustained Release of Silibinin from pH Responsive Carbon Nanotube-Based Drug Delivery System. Journal of Nanomaterials, 2014, 2014, 1-10.	1.5	14
451	Influence of 1D and 2D Carbon Fillers and Their Functionalisation on Crystallisation and Thermomechanical Properties of Injection Moulded Nylon 6,6 Nanocomposites. Journal of Nanomaterials, 2014, 2014, 1-13.	1.5	4
452	Common Wet Chemical Agents for Purifying Multiwalled Carbon Nanotubes. Journal of Nanomaterials, 2014, 2014, 1-9.	1.5	24
453	Fabrication of Aligned Carbon Nanotube/Polycaprolactone/Gelatin Nanofibrous Matrices for Schwann Cell Immobilization. Journal of Nanomaterials, 2014, 2014, 1-8.	1.5	7
454	Flameâ€Retardant Polypropylene/Multiwall Carbon Nanotube Nanocomposites: Effects of Surface Functionalization and Surfactant Molecular Weight. Macromolecular Chemistry and Physics, 2014, 215, 327-340.	1.1	75
455	Kinetic, Equilibrium and Isotherm Studies of Cadmium Removal from Aqueous Solutions by Oxidized Multiâ€Walled Carbon Nanotubes and the Functionalized Ones with Thiosemicarbazide and Their Toxicity Investigations: A Comparison. Journal of the Chinese Chemical Society, 2014, 61, 1188-1198.	0.8	24
456	Structures and properties of injection-molded biodegradable poly(lactic acid) nanocomposites prepared with untreated and treated multiwalled carbon nanotubes. Polymer Engineering and Science, 2014, 54, 317-326.	1.5	32
457	Inscribing Wettability Gradients Onto Superhydrophobic Carbon Nanotube Surfaces. Advanced Materials Interfaces, 2014, 1, 1300049.	1.9	27
458	Aqueous dispersions of oligomer-grafted carbon nanomaterials with controlled surface charge and minimal framework damage. Faraday Discussions, 2014, 173, 273-285.	1.6	7
459	Coreâ€“shell polypyrrole nanoparticles obtained by atmospheric pressure plasma polymerization. Polymer International, 2014, 63, 2023-2029.	1.6	14
460	Functionalized multiwalled carbon nanotubes in mild polyphosphoric acid/phosphorous pentoxide/phosphoric acid and their composites with epoxy resin. Polymer Composites, 2014, 35, 1275-1284.	2.3	4
461	Semiconductive bionanocomposites of poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyhexanoate) and MWCNTs for neural growth applications. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 349-360.	2.4	4
462	Zeroâ€<scp>V</scp>alent Iron Immobilized on Multiâ€<scp>W</scp>alled Carbon Nanotubes for Heterogeneous Catalytic Ozonation of Methylene Blue as Model Compound. Clean - Soil, Air, Water, 2014, 42, 609-616.	0.7	8
463	Indentation and scratch behavior of functionalized MWCNTâ€“PMMA composites at the micro/nanoscale. Polymer Composites, 2014, 35, 948-955.	2.3	11
464	Kinetics and Interfacial Thermodynamics of the pH-Related Sorption of Tetrabromobisphenol A onto Multiwalled Carbon Nanotubes. ACS Applied Materials & Interfaces, 2014, 6, 20968-20977.	4.0	36
465	Structure, electronic properties, and aggregation behavior of hydroxylated carbon nanotubes. Journal of Chemical Physics, 2014, 141, 174703.	1.2	9

#	Article	IF	Citations
466	MWCNT/Alumina Nanocomposite Characterization and Toughening Mechanism of Uniform Dispersion. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 1050-1053.	0.6	0
467	Toughness reinforcement of bismaleimide resin using functionalized carbon nanotubes. High Performance Polymers, 2014, 26, 874-883.	0.8	11
468	Chemical Functionalization of Carbon Nanotubes and its Effects on Electrical Conductivity. Journal of Nano Research, 0, 28, 51-61.	0.8	19
469	Surfaceâ€enhanced Raman scattering of pyridineâ€functionalized multiâ€walled carbon nanotubes. Journal of Raman Spectroscopy, 2014, 45, 424-430.	1.2	3
470	Highly Enhanced Vapor Sensing of Multiwalled Carbon Nanotube Network Sensors byn-Butylamine Functionalization. Journal of Nanomaterials, 2014, 2014, 1-8.	1.5	10
471	Towards elucidating the effects of purified MWCNTs on human lung epithelial cells. Environmental Science: Nano, 2014, 1, 595-603.	2.2	12
472	MOF-derived Nanoporous Carbon as Intracellular Drug Delivery Carriers. Chemistry Letters, 2014, 43, 717-719.	0.7	165
473	Carbon Nanotubes: From Synthesis to Genotoxicity. Nanomedicine and Nanotoxicology, 2014, , 125-152.	0.1	3
474	Covalent coupling of ionic liquid to carbon nanotubes: preparation and tribological properties. Materials Research Society Symposia Proceedings, 2014, 1707, 1.	0.1	1
475	Surface Modification of Multiwalled Carbon Nanotubes with Engineered Self-Assembled RAFT Diblock Coatings. Australian Journal of Chemistry, 2014, 67, 151.	0.5	7
476	Composite nanofloral clusters of carbon nanotubes and activated alumina: An efficient sorbent for heavy metal removal. Chemical Engineering Journal, 2014, 235, 1-9.	6.6	106
477	Effect of multi-walled carbon nanotube surface modification on bioactivity in the C57BL/6 mouse model. Nanotoxicology, 2014, 8, 317-327.	1.6	90
478	Tailoring the Mechanical Properties of Carbon Nanotube Fibers. , 2014, , 61-85.		3
479	Novel MWCNT-buckypaper/polyvinyl alcohol asymmetric membrane for dehydration of etherification reaction mixture: Fabrication, characterisation and application. Journal of Membrane Science, 2014, 453, 546-555.	4.1	28
480	Oxidation of acetylene black by nitric acid in hermetically sealed condition. Microporous and Mesoporous Materials, 2014, 193, 54-60.	2.2	17
481	Passive intensification of the ammonia absorption process with NH3/LiNO3 using carbon nanotubes and advanced surfaces in a tubular bubble absorber. Energy, 2014, 68, 519-528.	4.5	34
482	Effect of different chemical modification of carbon nanotubes for the oxygen reduction reaction in alkaline media. Electrochimica Acta, 2014, 135, 428-438.	2.6	32
483	Insight into the activation of light alkanes over surface-modified carbon nanotubes from theoretical calculations. Carbon, 2014, 77, 122-129.	5.4	8

#	Article	IF	Citations
484	Electrochemical behaviour of vertically aligned carbon nanotubes and graphene oxide nanocomposite as electrode material. Electrochimica Acta, 2014, 119, 114-119.	2.6	79
485	Partial oxidation of ethanol to acetaldehyde over surface-modified single-walled carbon nanotubes. Applied Catalysis A: General, 2014, 469, 8-17.	2.2	27
486	Low-temperature selective catalytic reduction of NO over MnOx/CNTs catalysts. Catalysis Communications, 2014, 50, 34-37.	1.6	27
487	Thin films from functionalized carbon nanotubes using the layer-by-layer technique. Thin Solid Films, 2014, 551, 68-73.	0.8	2
488	Cycle and rate performance of chemically modified super-aligned carbon nanotube electrodes for lithium ion batteries. Carbon, 2014, 69, 444-451.	5.4	31
489	Designing Si/porous-C composite with buffering voids as high capacity anode for lithium-ion batteries. Electrochimica Acta, 2014, 125, 206-217.	2.6	74
490	Application of the ultrasound in the mild synthesis of substituted 2,3-dihydroquinazolin-4(1H)-ones catalyzed by heterogeneous metalâ€“MWCNTs nanocomposites. Journal of Molecular Structure, 2014, 1072, 173-178.	1.8	27
491	High-yield synthesis of carbon nanotubeâ€“porous nickel oxide nanosheet hybrid and its electrochemical capacitance performance. Materials Chemistry and Physics, 2014, 143, 1344-1351.	2.0	27
492	Multi-walled carbon nanotubes functionalized with triethylenetetramine as fillers to enhance epoxy dimensional thermal stability. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1021-1027.	2.0	23
493	Gadolinium nanoparticle-decorated multiwalled carbon nanotube/titania nanocomposites for degradation of methylene blue in water under simulated solar light. Environmental Science and Pollution Research, 2014, 21, 5597-5609.	2.7	42
494	Electrocatalytic oxygen reduction on nitrogen-doped graphene in alkaline media. Applied Catalysis B: Environmental, 2014, 147, 369-376.	10.8	215
495	A rational template carbonization method for producing highly porous carbon for supercapacitor application. Electrochimica Acta, 2014, 117, 55-61.	2.6	32
496	A study on electrodeposition of Ni-noncovalnetly treated carbon nanotubes nanocomposite coatings with desirable mechanical and anti-corrosion properties. Surface and Coatings Technology, 2014, 248, 63-73.	2.2	36
497	The interphase microstructure and electrical properties of glass fibers covalently and non-covalently bonded with multiwall carbon nanotubes. Carbon, 2014, 73, 310-324.	5.4	131
498	Enhanced sorption of mercury from compact fluorescent bulbs and contaminated water streams using functionalized multiwalled carbon nanotubes. Journal of Hazardous Materials, 2014, 274, 132-144.	6.5	103
499	Development of an efficient immobilization matrix based on a conducting polymer and functionalized multiwall carbon nanotubes: synthesis and its application to ethanol biosensors. Journal of Materials Chemistry B, 2014, 2, 511-521.	2.9	50
500	Fluorescent immunosensor based on CuS nanoparticles for sensitive detection of cancer biomarker. Analyst, The, 2014, 139, 649-655.	1.7	81
501	Impedimetric DNA-biosensor for the study of anti-cancer action of mitomycin C: Comparison between acid and electroreductive activation. Biosensors and Bioelectronics, 2014, 59, 282-288.	5.3	19

#	Article	IF	Citations
502	Fabrication of flexible conducting thin films of copper-MWCNT from multi-component aqueous suspension by electrodeposition. Journal of Solid State Electrochemistry, 2014, 18, 487-496.	1.2	4
503	Genotoxicity of multi-walled carbon nanotubes at occupationally relevant doses. Particle and Fibre Toxicology, 2014, 11, 6.	2.8	132
504	The cancer targeting potential of d-Î±-tocopheryl polyethylene glycol 1000 succinate tethered multi walled carbon nanotubes. Biomaterials, 2014, 35, 4573-4588.	5.7	65
505	Oxidation debris in microwave functionalized carbon nanotubes: Chemical and biological effects. Carbon, 2014, 68, 678-686.	5.4	26
506	Optical properties of carbon microcoils. Applied Physics Letters, 2014, 104, 041905.	1.5	2
507	Allyloxyporphyrinâ€Functionalized Multiwalled Carbon Nanotubes: Synthesis by Radical Polymerization and Enhanced Opticalâ€Limiting Properties. Chemistry - an Asian Journal, 2014, 9, 639-648.	1.7	19
508	The Influence of Carbon Nanotube and Roll Bonding Parameters on the Bond Strength of Al Sheets. Journal of Materials Engineering and Performance, 2014, 23, 1887-1895.	1.2	4
509	Catalytic oxidation of organic pollutants on pristine and surface nitrogen-modified carbon nanotubes with sulfate radicals. Applied Catalysis B: Environmental, 2014, 154-155, 134-141.	10.8	437
510	25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices. Advanced Materials, 2014, 26, 40-67.	11.1	479
511	Tuning photoluminescence of reduced graphene oxide quantum dots from blue to purple. Journal of Applied Physics, 2014, 115, 164307.	1.1	37
512	Surface modification of nitrogen-doped carbon nanotubes by ozone via atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	0.9	9
513	Enriched graphitic N-doped carbon-supported Fe₃O₄ nanoparticles as efficient electrocatalysts for oxygen reduction reaction. Journal of Materials Chemistry A, 2014, 2, 7281-7287.	5.2	235
514	Catalytic N-oxidation of tertiary amines on RuO2NPs anchored graphene nanoplatelets. Catalysis Science and Technology, 2014, 4, 2099.	2.1	40
515	Carboxymethyl chitosan: A new water soluble binder for Si anode of Li-ion batteries. Journal of Power Sources, 2014, 247, 327-331.	4.0	175
516	A safer and flexible method for the oxygen functionalization of carbon nanotubes by nitric acid vapors. Applied Surface Science, 2014, 303, 446-455.	3.1	17
517	Tunable Epoxidation of Singleâ€Walled Carbon Nanotubes by Isolated Methyl(trifluoromethyl)dioxirane. European Journal of Organic Chemistry, 2014, 2014, 1666-1671.	1.2	23
518	Effects of dielectric barrier discharge in air on morphological and electrical properties of graphene nanoplatelets and multi-walled carbon nanotubes. Journal of Physics and Chemistry of Solids, 2014, 75, 858-868.	1.9	11
519	Graphene and carbon nanotube composite enabling a new prospective treatment for trichomoniasis disease. Materials Science and Engineering C, 2014, 41, 65-69.	3.8	20

#	Article	IF	Citations
520	Study of the Role of Surface Oxygen Functional Groups on Carbon Nanotubes in the Selective Oxidation of Acrolein. ChemCatChem, 2014, 6, 1553-1557.	1.8	24
521	Statistical Study of the Influence of CNTs Purification and Plasma Functionalization on the Properties of Polycarbonate-CNTs Nanocomposites. Plasma Processes and Polymers, 2014, 11, 664-677.	1.6	45
522	A Simple Diazonium Coupling Reaction Enhances Durability of Modified Graphitic Carbons Used as Catalyst Supports for Polymer Electrolyte Membrane Fuel Cell. Electrochimica Acta, 2014, 134, 418-425.	2.6	11
523	Porous nitrogen-doped hollow carbon spheres derived from polyaniline for high performance supercapacitors. Journal of Materials Chemistry A, 2014, 2, 5352-5357.	5.2	403
524	A Simple Gasâ€“Solid Route To Functionalize Ordered Carbon. ACS Applied Materials & Interfaces, 2014, 6, 2910-2916.	4.0	3
525	Improving the thermal and mechanical properties of poly(vinyl butyral) through the incorporation of acidâ€treated singleâ€walled carbon nanotubes. Journal of Applied Polymer Science, 2014, 131, .	1.3	21
526	Square-wave adsorptive stripping voltammetric determination of nanomolar levels of bezafibrate using a glassy carbon electrode modified with multi-walled carbon nanotubes within a dihexadecyl hydrogen phosphate film. Analyst, The, 2014, 139, 1762-1768.	1.7	24
527	Preparation, purification and characterization of high purity multi-wall carbon nanotube. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 594-598.	2.0	43
528	Synthesis of amidoalkyl naphthols by nano-Fe3O4 modified carbon nanotubes via a multicomponent strategy in the presence of microwaves. Journal of Industrial and Engineering Chemistry, 2014, 20, 2292-2297.	2.9	25
529	Nanocomposites from styrene-butadiene rubber (SBR) and multiwall carbon nanotubes (MWCNT) part 1: Morphology and rheology. Polymer, 2014, 55, 258-270.	1.8	72
530	Carbon nanotube catalysts for oxidative desulfurization of a model diesel fuel using molecular oxygen. Green Chemistry, 2014, 16, 211-220.	4.6	183
531	The assembly of carbon nanotubes by dielectrophoresis: Insights into the dielectrophoretic nanotubeâ€“nanotube interactions. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 117-122.	1.3	18
532	Nanoscale Ionic Materials. Chemistry of Materials, 2014, 26, 84-96.	3.2	85
533	Nanotoxicology. Nanomedicine and Nanotoxicology, 2014, , .	0.1	20
534	Surface properties of CNTs and their interaction with silica. Journal of Colloid and Interface Science, 2014, 413, 43-53.	5.0	40
535	Multi-wall carbon nanotube coating of fluorine-doped tin oxide as an electrode surface modifier for polymer solar cells. Solar Energy Materials and Solar Cells, 2014, 122, 297-302.	3.0	24
536	Controlled surface functionalization of multiwall carbon nanotubes by HNO3 hydrothermal oxidation. Carbon, 2014, 69, 311-326.	5.4	95
537	Current progress on the modification of carbon nanotubes and their application in electromagnetic wave absorption. RSC Advances, 2014, 4, 14419.	1.7	126

#	Article	IF	Citations
538	A review of ligand tethered surface engineered carbon nanotubes. Biomaterials, 2014, 35, 1267-1283.	5.7	145
539	Aerobic oxidation of benzyl alcohol to benzaldehyde catalyzed by carbon nanotubes without any promoter. Chemical Engineering Journal, 2014, 240, 434-442.	6.6	96
540	Synthesis of an Ultradense Forest of Vertically Aligned Triple-Walled Carbon Nanotubes of Uniform Diameter and Length Using Hollow Catalytic Nanoparticles. Journal of the American Chemical Society, 2014, 136, 1047-1053.	6.6	23
541	Synthesis of In₂S₃â€“CNT nanocomposites for selective reduction under visible light. Journal of Materials Chemistry A, 2014, 2, 1710-1720.	5.2	99
542	Multifunctional carbon nanotubes in water treatment: The present, past and future. Desalination, 2014, 354, 160-179.	4.0	210
543	Influence of iron contaminations on local and bulk magnetic properties of nonfunctionalized and functionalized multiâ€wall carbon nanotubes. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 661-669.	0.8	7
544	An Easy Route to Lower-Destructive and Highly Functionalized Multi-Walled Carbon Nanotubes with Thermotropic Liquid Crystalline Polymer on a Large Scale. Soft Materials, 2014, 12, 205-213.	0.8	2
545	Microdroplet formation of polyvinylpyrrolidone/carbon nanotube by ultrasonic atomization. Macromolecular Research, 2014, 22, 990-995.	1.0	3
546	Facile Synthesis of Highly Stable and Water-Soluble Magnetic MWCNT/Î±-Fe Nanocomposites. Journal of Physical Chemistry C, 2014, 118, 27861-27869.	1.5	8
547	Cobalt nanoparticles embedded in N-doped carbon as an efficient bifunctional electrocatalyst for oxygen reduction and evolution reactions. Nanoscale, 2014, 6, 15080-15089.	2.8	509
548	Pretreated multiwalled carbon nanotube adsorbents with amine-grafting for removal of carbon dioxide in confined spaces. RSC Advances, 2014, 4, 56224-56234.	1.7	23
549	Surface functionalization of multiwalled carbon nanotube for biosensor device application. , 2014, , .		7
550	Facile oxidation of superaligned carbon nanotube films for primary cell culture and genetic engineering. Journal of Materials Chemistry B, 2014, 2, 471-476.	2.9	11
551	A novel route of enhancing oxidative catalytic activity: hydroxylation of MWCNTs induced by sectional defects. Catalysis Science and Technology, 2014, 4, 665-671.	2.1	28
552	A solvent-free Dielsâ€“Alder reaction of graphite into functionalized graphene nanosheets. Chemical Communications, 2014, 50, 14651-14653.	2.2	36
553	Specific functionalization and polymer grafting on multiwalled carbon nanotubes to fabricate advanced nylon 12 composites. Journal of Materials Chemistry A, 2014, 2, 3961.	5.2	68
554	Revealing the ameliorating effect of chromium oxide on a carbon nanotube catalyst in propane oxidative dehydrogenation. RSC Advances, 2014, 4, 40776-40781.	1.7	12
555	Facile and controllable synthesis of carbon-encapsulating carbonate apatite nanowires from biomass containing calcium compounds such as CaC₂O₄ and CaCO₃. RSC Advances, 2014, 4, 50938-50946.	1.7	2

#	Article	IF	Citations
556	Improved performances of PVDF/PFSA/O-MWNTs hollow fiber membranes and the synergism effects of two additives. Journal of Membrane Science, 2014, 469, 458-470.	4.1	47
557	Experimental and theoretical studies on the mechanism for chemical oxidation of multiwalled carbon nanotubes. RSC Advances, 2014, 4, 28826-28831.	1.7	31
558	Spiers Memorial Lecture : Advances of carbon nanomaterials. Faraday Discussions, 2014, 173, 9-46.	1.6	24
559	Desulfurization activity of metal oxides blended into walnut shell based activated carbons. Journal of Chemical Technology and Biotechnology, 2014, 89, 1565-1575.	1.6	23
560	Ring-opening reactions of epoxidized SWCNT with nucleophilic agents: a convenient way for sidewall functionalization. New Journal of Chemistry, 2014, 38, 2670.	1.4	6
561	A copper based metal-organic framework as single source for the synthesis of electrode materials for high-performance supercapacitors and glucose sensing applications. International Journal of Hydrogen Energy, 2014, 39, 19609-19620.	3.8	83
562	V₂O₅/functionalized MWCNT hybrid nanocomposite: the fabrication and its enhanced supercapacitive performance. RSC Advances, 2014, 4, 37437-37445.	1.7	38
563	Supramolecular structures fabricated through the epitaxial growth of semiconducting poly(3-hexylthiophene) on carbon nanotubes as building blocks of nanoscale electronics. Physical Chemistry Chemical Physics, 2014, 16, 19122-19129.	1.3	20
564	On-line flow injection solid phase extraction using oxidised carbon nanotubes as the substrate for cold vapour-atomic absorption determination of Hg(<scp>II</scp>) in different kinds of water. Journal of Analytical Atomic Spectrometry, 2014, 29, 880-885.	1.6	21
565	The equivalent width as a figure of merit for XPS narrow scans. Journal of Electron Spectroscopy and Related Phenomena, 2014, 197, 56-63.	0.8	13
566	Titanium coated with functionalized carbon nanotubes â€" A promising novel material for biomedical application as an implantable orthopaedic electronic device. Materials Science and Engineering C, 2014, 45, 287-296.	3.8	23
567	Physical properties, thermal stability, and glass transition temperature of multi-walled carbon nanotube/polypyrrole nanocomposites. Composite Interfaces, 2014, 21, 737-747.	1.3	15
568	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
569	Functionalized mesoporous carbon nanoparticles for targeted chemo-photothermal therapy of cancer cells under near-infrared irradiation. RSC Advances, 2014, 4, 33986-33997.	1.7	56
570	Nitrogen-doped one-dimensional (1D) macroporous carbonaceous nanotube arrays and their application in electrocatalytic oxygen reduction reactions. Nanoscale, 2014, 6, 11057-11061.	2.8	50
571	NIR initiated and pH sensitive single-wall carbon nanotubes for doxorubicin intracellular delivery. Journal of Materials Chemistry B, 2014, 2, 1125.	2.9	39
572	Carbon Nanotube Epoxy Nanocomposites: The Effects of Interfacial Modifications on the Dynamic Mechanical Properties of the Nanocomposites. ACS Applied Materials & Interfaces, 2014, 6, 16621-16630.	4.0	97
573	Influence of a cyclic butylene terephthalate oligomer on the processability and thermoelectric properties of polycarbonate/MWCNT nanocomposites. Polymer, 2014, 55, 5381-5388.	1.8	68

#	Article	IF	Citations
574	Electrochemistry of partially unzipped N-doped carbon nanotubes. Electrochemistry Communications, 2014, 48, 138-141.	2.3	6
575	Large work function difference driven electron transfer from electrides to single-walled carbon nanotubes. Nanoscale, 2014, 6, 8844.	2.8	36
576	Multiwalled carbon nanotube-derived superior electrical, mechanical and thermal properties in MgB2 wires. Scripta Materialia, 2014, 88, 13-16.	2.6	30
577	A highly sensitive choline biosensor based on bamboo-like multiwall carbon nanotubes/ionic liquid/Prussian blue nanocomposite. Sensors and Actuators B: Chemical, 2014, 204, 694-703.	4.0	31
578	Evaluation of carbon nanotubes network toxicity in zebrafish (danio rerio) model. Environmental Research, 2014, 134, 9-16.	3.7	47
579	A role of nanotube dangling pyrrole and oxygen functions in the electrochemical synthesis of polypyrrole/MWCNTs hybrid materials. Applied Surface Science, 2014, 317, 794-802.	3.1	7
580	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO₃ and H₂SO₄ hydrothermal oxidation for application in direct contact membrane distillation. Physical Chemistry Chemical Physics, 2014, 16, 12237-12250.	1.3	52
581	Porous carbon synthesized by direct carbonization of potassium biphthalate for high-performance supercapacitors. Journal of Solid State Electrochemistry, 2014, 18, 59-67.	1.2	19
582	Silylesterification of oxidized multi-wall carbon nanotubes by catalyzed dehydrogenative cross-coupling between carboxylic and hydrosilane functions. Applied Surface Science, 2014, 305, 301-308.	3.1	4
583	Aqueous cationic, anionic and non-ionic multi-walled carbon nanotubes, functionalised with minimal framework damage, for biomedical application. Biomaterials, 2014, 35, 4729-4738.	5.7	40
585	Poly(ethyleneimine) functionalized carbon nanotubes as efficient nano-vector for transfecting mesenchymal stem cells. Colloids and Surfaces B: Biointerfaces, 2014, 122, 115-125.	2.5	41
586	Equilibrium and kinetic studies of chromium adsorption from wastewater by functionalized multi-wall carbon nanotubes. Reaction Kinetics, Mechanisms and Catalysis, 2014, 112, 371-382.	0.8	17
587	Enhancing Performance of Uricase Using Multiwalled Carbon Nanotube Doped Polyaniline. Applied Biochemistry and Biotechnology, 2014, 174, 1174-1187.	1.4	19
588	Surface enhanced Raman spectroscopy on silver-nanoparticle-coated carbon-nanotube networks fabricated by electrophoretic deposition. Electronic Materials Letters, 2014, 10, 325-335.	1.0	14
589	The study of synthesis and functionalized single-walled carbon nanotubes with amide group. International Nano Letters, 2014, 4, 1.	2.3	17
590	Improved field emission properties of carbon nanotubes decorated with Ta layer. Carbon, 2014, 73, 114-124.	5.4	26
591	Carbon nanotube-Cu hybrids enhanced catalytic activity in aqueous media. Carbon, 2014, 78, 10-18.	5.4	9
592	Fabrication of polyimide composite films based on carbon black for highâ€temperature resistance. Polymer Composites, 2014, 35, 2214-2220.	2.3	17

#	Article	IF	Citations
593	Multi-Walled Carbon Nanotubes (MWCNTs) modified electrodes: Effect of purification and functionalization on the electroanalytical performances. Electrochimica Acta, 2014, 146, 403-410.	2.6	30
594	Surface functionalized carbon nanotubes and its effects on the mechanical properties of epoxy based composites at cryogenic temperature. Polymer Bulletin, 2014, 71, 2465-2485.	1.7	16
595	Comparative experimental study of methane adsorption on multi-walled carbon nanotubes and granular activated carbons. Journal of Experimental Nanoscience, 2014, 9, 310-328.	1.3	26
596	Rheology of Disentangled Multiwalled Carbon Nanotubes Dispersed in Uncured Epoxy Fluid. Journal of Physical Chemistry B, 2014, 118, 362-371.	1.2	19
597	Durability and surface chemistry of horizontally aligned CNT films as electrodes upon electrolysis of acidic aqueous solution. Journal of Materials Science, 2014, 49, 7231-7243.	1.7	10
598	Enhancement of activity, selectivity and stability of CNTs-supported cobalt catalyst in Fischerâ€“Tropsch via CNTs functionalization. Applied Catalysis A: General, 2014, 485, 133-142.	2.2	53
599	Influence of architecture on the Raman spectra of acid-treated carbon nanostructures. Journal of Experimental Nanoscience, 2014, 9, 931-941.	1.3	19
600	Lithographically Cut Multiwalled Carbon Nanotubes: Opening Caps, Controlling Length Distribution, and Functionalization. Journal of Dispersion Science and Technology, 2014, 35, 808-814.	1.3	22
601	Structure and electrochemical performance of highly nanoporous carbons from benzoateâ€“metal complexes by a template carbonization method for supercapacitor application. Carbon, 2014, 72, 410-420.	5.4	59
602	The enhanced alcohol sensing response of multiwalled carbon nanotube networks induced by alkyl diamine treatment. Sensors and Actuators B: Chemical, 2014, 201, 122-130.	4.0	10
603	Swift modification of resistively heated carbon nanotube films by the action of hydrogen peroxide. Materials Letters, 2014, 119, 115-118.	1.3	7
604	Mn3O4 nanoparticles anchored on continuous carbon nanotube network as superior anodes for lithium ion batteries. Journal of Power Sources, 2014, 249, 463-469.	4.0	68
605	Purification of titania nanoparticle thin films: Triviality or a challenge?. Ceramics International, 2014, 40, 7125-7132.	2.3	2
606	Functionalization and magnetization of carbon nanotubes using Co-60 gamma-ray irradiation. Journal of Magnetism and Magnetic Materials, 2014, 367, 47-52.	1.0	5
607	A comparison of effects of plasma and acid functionalizations on structure and electrical property of multi-wall carbon nanotubes. Applied Surface Science, 2014, 295, 66-70.	3.1	24
608	Electrothermal halogenation of carbon nanotube films. Carbon, 2014, 73, 259-266.	5.4	27
609	Improvement of carbon nanotube stability by high temperature oxygen/chlorine gas treatment. Carbon, 2014, 76, 275-284.	5.4	10
610	Mechanical properties of cyanate ester/epoxy nanocomposites modified with plasma functionalized MWCNTs. Composites Science and Technology, 2014, 90, 166-173.	3.8	35

#	Article	IF	Citations
611	Hierarchical porous iron and nitrogen co-doped carbons as efficient oxygen reduction electrocatalysts in neutral media. Journal of Power Sources, 2014, 265, 246-253.	4.0	59
612	Dispersion of carbon nanotubes in iron by wet processing for the preparation of ironâ€“carbon nanotube composites. Powder Technology, 2014, 258, 1-5.	2.1	7
613	Free-standing SnO 2 /MWCNT nanocomposite anodes produced by different rate spin coatings for Li-ion batteries. International Journal of Hydrogen Energy, 2014, 39, 21435-21446.	3.8	31
614	Thermal conductivity enhancement of the binary mixture (NH3Â+ÂLiNO3) by the addition of CNTs. International Journal of Refrigeration, 2014, 41, 113-120.	1.8	15
615	Highly Active, Selective, and Reusable RuO₂/SWCNT Catalyst for Heck Olefination of Aryl Halides. ACS Catalysis, 2014, 4, 2118-2129.	5.5	55
616	Highly durable electrocatalyst with graphitized carbon supports modified by diazonium reaction for polymer electrolyte membrane fuel cell. Carbon, 2014, 77, 525-537.	5.4	16
617	Adsorption of chromium (VI) on functionalized and non-functionalized carbon nanotubes. Korean Journal of Chemical Engineering, 2014, 31, 1582-1591.	1.2	36
618	Carbon Nanotubes Functionalized by Nanoparticles of Platinum. Materials Science Forum, 0, 793, 45-50.	0.3	5
619	Growth of nickel (111) plane: The key role in nickel for further improving the electrochemical property of hexagonal nickel hydroxide-nickel & reduced graphene oxide composite. Journal of Power Sources, 2014, 267, 356-365.	4.0	48
620	Significant catalytic effects induced by the electronic interactions between carboxyl and hydroxyl group modified carbon nanotube supports and vanadium species for NO reduction with NH3 at low temperature. Chemical Engineering Journal, 2014, 254, 399-409.	6.6	20
621	Tetraphenylborate-derived hierarchically porous carbons as efficient electrode materials for supercapacitors. Journal of Power Sources, 2014, 246, 531-539.	4.0	7
622	On the influence of various physicochemical properties of the CNTs based implantable devices on the fibroblastsâ€™ reaction in vitro. Journal of Materials Science: Materials in Medicine, 2015, 26, 262.	1.7	8
623	Stochastic Events in Nanoelectrochemical Systems. , 2015, , 256-307.		0
627	Cyclopentadienyliron dicarbonyl dimer carbon nanotube synthesis. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 011204.	0.6	0
628	Understanding the doping effects on the structural and electrical properties of ultrathin carbon nanotube networks. Journal of Applied Physics, 2015, 118, 215305.	1.1	15
629	Conditions for forming composite carbon nanotube-diamond like carbon material that retain the good properties of both materials. Journal of Applied Physics, 2015, 118, 194306.	1.1	7
630	A highly durable fuel cell electrocatalyst based on double-polymer-coated carbon nanotubes. Scientific Reports, 2015, 5, 16711.	1.6	39
631	The functionalization and characterization of multi-walled carbon nanotubes (MWCNTs). AIP Conference Proceedings, 2015, , .	0.3	10

#	Article	IF	Citations
632	Improved impact strength of epoxy by the addition of functionalized multiwalled carbon nanotubes and reactive diluent. Journal of Applied Polymer Science, 2015, 132, .	1.3	17
633	Effects of Microwave Treatment on Carbon Electrode for Vanadium Redox Flow Battery. ChemElectroChem, 2015, 2, 872-876.	1.7	22
634	Oxidized Carbon Nitrides: Waterâ€Dispersible, Atomically Thin Carbon Nitrideâ€Based Nanodots and Their Performances as Bioimaging Probes. Chemistry - A European Journal, 2015, 21, 6241-6246.	1.7	90
635	Anchoring Mechanism of ZnO Nanoparticles on Graphitic Carbon Nanofiber Surfaces through a Modified Coâ€Precipitation Method to Improve Interfacial Contact and Photocatalytic Performance. ChemPhysChem, 2015, 16, 3214-3232.	1.0	37
636	Influence of ambient conditions on the electronic structure of graphene/copper interface. Surface and Interface Analysis, 2015, 47, 793-797.	0.8	4
637	A New Approach to the Synthesis of Carbon Nanotube-Polyhedral Oligomeric Silsesquioxane (POSS) Nanohybrids. , 2015, , .		0
638	Mild functionalization of carbon nanotubes filled epoxy composites: Effect on electromagnetic interferences shielding effectiveness. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
639	Effects ofin-situfunctionalization of carbon nanotubes with bis(triethoxysilylpropyl) tetrasulfide (TESPT) and 3-aminopropyltriethoxysilane (APTES) on properties of epoxidized natural rubber-carbon nanotube composites. Polymer Engineering and Science, 2015, 55, 2500-2510.	1.5	36
641	Quantitative Analyses of MWCNTâ€Ti Powder Mixtures using Raman Spectroscopy: The Influence of Milling Parameters on Nanostructural Evolution. Advanced Engineering Materials, 2015, 17, 1660-1669.	1.6	78
642	Oxidative Dehydrogenation on Nanocarbon: Intrinsic Catalytic Activity and Structureâ€"Function Relationships. Angewandte Chemie - International Edition, 2015, 54, 13682-13685.	7.2	76
643	Stabilization of Insoluble Discharge Products by Facile Aniline Modification for High Performance Liâ€S Batteries. Advanced Energy Materials, 2015, 5, 1500268.	10.2	51
644	Thermal Stability of Plasma Generated Oxygenated Functionalities on Carbon Nanotubes. Plasma Processes and Polymers, 2015, 12, 533-544.	1.6	13
645	Investigation of the mechanical properties of nanocomposite SWCNTS/epoxy by micromechanics methods and experimental works. Journal of Naval Architecture and Marine Engineering, 2015, 12, 103-114.	0.9	1
646	Adsorption of Phenol from Aqueous Solutions by Carbon Nanomaterials of One and Two Dimensions: Kinetic and Equilibrium Studies. Journal of Nanomaterials, 2015, 2015, 1-14.	1.5	45
647	A Review on Protein Functionalized Carbon Nanotubes. Journal of Applied Biomaterials and Functional Materials, 2015, 13, 301-312.	0.7	36
648	Gel spinning of PVA composite fibers with high content of multi-walled carbon nanotubes and graphene oxide hybrids. IOP Conference Series: Materials Science and Engineering, 2015, 87, 012052.	0.3	2
649	Effects of Adding Multiwall Carbon Nanotubes on Performance of Polyvinyl Acetate and Urea-Formaldehyde Adhesives in Tropical Timber Species. Journal of Nanomaterials, 2015, 2015, 1-15.	1.5	5
650	Effect of Reaction Media on Hydrogen Sorption Properties of Mg-Decorated MWCNTs. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 782-787.	1.0	10

#	Article	IF	Citations
651	Surface Chemistry and Thermal Stability in Air of Carbon Nanotubes Functionalised via a Novel Eco-Friendly Approach to HNO₃Vapor Oxidation. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 83-92.	1.0	2
652	Synthesis of polyethylene glycol-functionalized multi-walled carbon nanotubes with a microwave-assisted approach for improved heat dissipation. RSC Advances, 2015, 5, 35425-35434.	1.7	46
653	Thermal decomposition mechanism of Coâ€“ANPyO/CNTs nanocomposites and their application to the thermal decomposition of ammonium perchlorate. RSC Advances, 2015, 5, 50278-50288.	1.7	19
654	Metal-Free and Solvent-Free Oxidative Coupling of Amines to Imines with Mesoporous Carbon from Macrocyclic Compounds. ACS Catalysis, 2015, 5, 2788-2794.	5.5	140
655	Nitrogen and fluorine co-doped graphite nanofibers as high durable oxygen reduction catalyst in acidic media for polymer electrolyte fuel cells. Carbon, 2015, 93, 130-142.	5.4	130
656	Enhanced vacuum sensing performance of multiwalled carbon nanotubes: role of defects and carboxyl functionalization. RSC Advances, 2015, 5, 20479-20485.	1.7	20
657	CdTe and graphene co-sensitized TiO₂nanotube array photoanodes for protection of 304SS under visible light. Nanotechnology, 2015, 26, 155704.	1.3	29
658	Enhanced oxygen reduction and evolution by in situ decoration of hematite nanoparticles on carbon nanotube cathodes for high-capacity nonaqueous lithiumâ€“oxygen batteries. Journal of Materials Chemistry A, 2015, 3, 13767-13775.	5.2	32
659	Covalent Cobalt Porphyrin Framework on Multiwalled Carbon Nanotubes for Efficient Water Oxidation at Low Overpotential. Chemistry of Materials, 2015, 27, 4586-4593.	3.2	108
660	Characterization of genotoxic response to 15 multiwalled carbon nanotubes with variable physicochemical properties including surface functionalizations in the <scp>FE</scp>1â€Muta(<scp>TM</scp>) mouse lung epithelial cell line. Environmental and Molecular Mutagenesis, 2015, 56, 183-203.	0.9	78
661	Mechanical, flow and electrical properties of thermoplastic polyurethane/fullerene composites: Effect of surface modification of fullerene. Composites Part B: Engineering, 2015, 80, 101-107.	5.9	65
662	In-situ Grown Hybrid Nanocarbon Composite for Dye Sensitized Solar Cells. Electrochimica Acta, 2015, 166, 134-141.	2.6	8
663	Functionalization of Multi Wall Carbon Nanotubes Using Nitric Acid Oxidation. Applied Mechanics and Materials, 2015, 754-755, 1156-1160.	0.2	7
664	Reducing structural defects and improving homogeneity of nitric acid treated multi-walled carbon nanotubes. Carbon, 2015, 93, 515-522.	5.4	16
665	High performance natural rubber composites with conductive segregated network of multiwalled carbon nanotubes. Composites Science and Technology, 2015, 116, 33-40.	3.8	100
666	Aniline polymerization on multiwall carbon nanotubes with immobilized laccase. Applied Biochemistry and Microbiology, 2015, 51, 621-625.	0.3	3
667	XPS study of TiN films formed by the electric arc technique. Journal of Surface Investigation, 2015, 9, 710-714.	0.1	7
668	Fabrication of single walled carbon nanotubes/poly(3,4-ethylenedioxythiophene):poly(4-styrenesulfonate) layers under enhanced gravity drying. Thin Solid Films, 2015, 597, 70-76.	0.8	3

#	Article	IF	Citations
669	Suspensions of carbon nanofibers in organic medium: rheo-electrical properties. Physical Chemistry Chemical Physics, 2015, 17, 32316-32327.	1.3	19
670	Non-solution treatment method of carbon nanotubes to prepare strong and tough polymer nanocomposites. , 2015, , .		0
671	Wet spinning of PVA composite fibers with a large fraction of multi-walled carbon nanotubes. Progress in Natural Science: Materials International, 2015, 25, 445-452.	1.8	39
672	Highly Conductive Single-Walled Carbon Nanotube Thin Film Preparation by Direct Alignment on Substrates from Water Dispersions. Langmuir, 2015, 31, 1155-1163.	1.6	18
673	Machinability and scratch wear resistance of carbon-coated WC inserts. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 193, 146-152.	1.7	8
674	The conformal silicon deposition on carbon nanotubes as enabled by hydrogenated carbon coatings for synthesis of carbon/silicon core/shell heterostructure photodiodes. Carbon, 2015, 87, 299-308.	5.4	1
675	Simultaneous Reinforcement and Toughening of Carbon Nanotube/Cellulose Conductive Nanocomposite Films by Interfacial Hydrogen Bonding. ACS Sustainable Chemistry and Engineering, 2015, 3, 317-324.	3.2	76
676	Enhanced mechanical and electrical properties of nylonâ€6 composite by using carbon fiber/graphene multiscale structure as additive. Journal of Applied Polymer Science, 2015, 132, .	1.3	34
677	Electrocatalytic Oxygen Evolution at Surface-Oxidized Multiwall Carbon Nanotubes. Journal of the American Chemical Society, 2015, 137, 2901-2907.	6.6	495
678	Bioelectrochemistry of Heme Peptide at Seamless Three-Dimensional Carbon Nanotubes/Graphene Hybrid Films for Highly Sensitive Electrochemical Biosensing. ACS Applied Materials & Interfaces, 2015, 7, 3647-3654.	4.0	39
679	Iron-filled multiwalled carbon nanotubes surface-functionalized with paramagnetic Gd (III): A candidate dual-functioning MRI contrast agent and magnetic hyperthermia structure. Carbon, 2015, 87, 226-232.	5.4	33
680	Building interconnects in carbon nanotube networks with metal halides for transparent electrodes. Carbon, 2015, 87, 61-69.	5.4	24
681	Triggering compatibility and dispersion by selective plasma functionalized carbon nanotubes to fabricate tough and enhanced Nylon 12 composites. Polymer, 2015, 58, 153-161.	1.8	23
682	Subchronic Toxicity and Cardiovascular Responses in Spontaneously Hypertensive Rats after Exposure to Multiwalled Carbon Nanotubes by Intratracheal Instillation. Chemical Research in Toxicology, 2015, 28, 440-450.	1.7	46
683	Influence of Calcination Temperatures on the Desulfurization Performance of Fe Supported Activated Carbons Treated by HNO₃. Industrial & Engineering Chemistry Research, 2015, 54, 1261-1270.	1.8	24
684	Facile Synthesis of Gold@Graphitized Mesoporous Silica Nanocomposite and Its Surface-Assisted Laser Desorption/Ionization for Time-of-Flight Mass Spectroscopy. ACS Applied Materials & Interfaces, 2015, 7, 2032-2038.	4.0	43
685	Single-Step, Plasma-Enabled Reforming of Natural Precursors into Vertical Graphene Electrodes with High Areal Capacitance. ACS Sustainable Chemistry and Engineering, 2015, 3, 544-551.	3.2	34
686	Scalable Exfoliation Process for Highly Soluble Boron Nitride Nanoplatelets by Hydroxide-Assisted Ball Milling. Nano Letters, 2015, 15, 1238-1244.	4.5	486

#	Article	IF	Citations
687	Carboxyl Multiwalled Carbonâ€Nanotubeâ€Stabilized Palladium Nanocatalysts toward Improved Methanol Oxidation Reaction. ChemElectroChem, 2015, 2, 559-570.	1.7	49
688	PTC MWCNT/DI-water switchable composites. Journal of Materials Chemistry A, 2015, 3, 5270-5274.	5.2	5
689	Silicone-grafted carbonaceous nanotubes with enhanced dispersion stability and electrorheological efficiency. Nanotechnology, 2015, 26, 065704.	1.3	14
690	Carbon Nanotube Membrane Stack for Flow-through Sequential Regenerative Electro-Fenton. Environmental Science & Technology, 2015, 49, 2375-2383.	4.6	209
691	The enhanced electrocatalytic activity and stability of supported Pt nanopartciles for methanol electro-oxidation through the optimized oxidation degree of carbon nanotubes. Journal of Power Sources, 2015, 281, 34-43.	4.0	35
692	Single wall carbon nanotubes-oxide test strip for one-step solid phase extraction of simetryn and fast detection using surface enhanced Raman spectroscopy. Analytical Methods, 2015, 7, 2190-2195.	1.3	2
693	Gigantic enhancement in the dielectric properties of polymer-based composites using core/shell MWCNT/amorphous carbon nanohybrids. Nanoscale, 2015, 7, 3660-3667.	2.8	78
694	A simple CaCO3-assisted template carbonization method for producing nitrogen-containing nanoporous carbon spheres and its electrochemical improvement by the nitridation of azodicarbonamide. Electrochimica Acta, 2015, 155, 93-102.	2.6	22
695	Preparation and enhanced supercapacitance performance of porous carbon spheres with a high degree of graphitization. RSC Advances, 2015, 5, 2088-2095.	1.7	24
696	Functionalized multiwalled carbon nanotubes as reinforcing agents for poly(vinyl alcohol) and poly(vinyl alcohol)/starch nanocomposites: synthesis, characterization and properties. Polymer International, 2015, 64, 689-695.	1.6	27
697	Bioactivity of MWCNT in Conidia of Entomopathogenic Fungus Isaria fumosorosea. Water, Air, and Soil Pollution, 2015, 226, 1.	1.1	2
698	Microwave-Assisted Decoration of Carbon Substrates for Manganese Dioxide-Based Supercapacitors. Journal of the Electrochemical Society, 2015, 162, A5133-A5139.	1.3	10
699	Plasma Functionalization of Carbon Nanofibers with Vapors of Ammonia/Water. Plasma Chemistry and Plasma Processing, 2015, 35, 757-768.	1.1	4
700	Effect of reduction heat treatment in H2 atmosphere on structure and electrochemical properties of activated carbon. Journal of Solid State Electrochemistry, 2015, 19, 1437-1446.	1.2	17
701	Tartaric acid modified Pleurotus ostreatus for enhanced removal of Cr(<scp>vi</scp>) ions from aqueous solution: characteristics and mechanisms. RSC Advances, 2015, 5, 24009-24015.	1.7	13
702	Arginine-assisted immobilization of silver nanoparticles on ZnO nanorods: an enhanced and reusable antibacterial substrate without human cell cytotoxicity. Nanoscale, 2015, 7, 7415-7429.	2.8	151
703	In situ synthesis of luminescent carbon nanoparticles toward target bioimaging. Nanoscale, 2015, 7, 5468-5475.	2.8	53
704	The effect of rapid functionalization on the structural and electrochemical properties of high-purity carbon nanotubes. Electrochimica Acta, 2015, 163, 1-8.	2.6	21

#	Article	IF	Citations
705	Electrochemical reduction and in-situ electrochemiluminescence detection of nitroaromatic compounds. Electrochimica Acta, 2015, 164, 31-37.	2.6	12
706	Effect of potassium precursors on the thermal stability of K-promoted Ru/carbon catalysts for ammonia synthesis. Catalysis Science and Technology, 2015, 5, 2829-2838.	2.1	29
707	Macroscopic Carbon Nanotubeâ€based 3D Monoliths. Small, 2015, 11, 3263-3289.	5.2	83
708	Low-temperature synthesized nitrogen-doped iron/iron carbide/partly-graphitized carbon as stable cathode catalysts for enhancing bioelectricity generation. Carbon, 2015, 89, 8-19.	5.4	43
709	Advanced oxidation (H2O2 and/or UV) of functionalized carbon nanotubes (CNT-OH and CNT-COOH) and its influence on the stabilization of CNTs in water and tannic acid solution. Environmental Pollution, 2015, 200, 161-167.	3.7	29
710	Enhanced dielectric performance of three phase percolative composites based on thermoplastic-ceramic composites and surface modified carbon nanotube. Applied Physics Letters, 2015, 106, .	1.5	26
711	Platinum decorated on partially exfoliated multiwalled carbon nanotubes as high performance cathode catalyst for PEMFC. International Journal of Hydrogen Energy, 2015, 40, 9435-9443.	3.8	18
712	Controlled synthesis of V₂O₅/MWCNT core/shell hybrid aerogels through a mixed growth and self-assembly methodology for supercapacitors with high capacitance and ultralong cycle life. Journal of Materials Chemistry A, 2015, 3, 15692-15699.	5.2	82
713	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
714	From hydrophobic to hydrophilic polyvinylidenefluoride (PVDF) membranes by gaining new insight into material's properties. RSC Advances, 2015, 5, 56219-56231.	1.7	60
715	Highly porous graphitic carbon and Ni₂P₂O₇for a high performance aqueous hybrid supercapacitor. Journal of Materials Chemistry A, 2015, 3, 21553-21561.	5.2	153
716	In Situ Self-Sacrificed Template Synthesis of Fe-N/G Catalysts for Enhanced Oxygen Reduction. ACS Applied Materials & Interfaces, 2015, 7, 18170-18178.	4.0	56
717	Physiological changes of the lichen Parmotrema tinctorum as result of carbon nanotubes exposition. Ecotoxicology and Environmental Safety, 2015, 120, 110-116.	2.9	11
718	The critical contribution of unzipped graphene nanoribbons to scalable siliconâ€“carbon fiber anodes in rechargeable Li-ion batteries. Nano Energy, 2015, 16, 446-457.	8.2	30
719	One-step synthesis of boron nitride carbon nanosheets containing zinc oxide for catalysis of the oxygen reduction reaction and degradation of organic dyes. RSC Advances, 2015, 5, 69394-69399.	1.7	18
720	Two step microwave plasma carbonization including low plasma power pre-carbonization for polyacrylonitrile based carbon fiber. Polymer, 2015, 69, 123-128.	1.8	31
721	A facile approach toward preparation of sulfonated multi-walled carbon nanotubes and their dispersibility in various solvents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 482, 507-513.	2.3	53
722	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

#	Article	IF	Citations
723	A green technique to prepare uniform amine capped multi-walled carbon nanotubes to fabricate high strength, protein resistant polymer nanocomposites. RSC Advances, 2015, 5, 15524-15533.	1.7	11
724	Hierarchical NiCo₂O₄ nanosheet-decorated carbon nanotubes towards highly efficient electrocatalyst for water oxidation. Journal of Materials Chemistry A, 2015, 3, 19314-19321.	5.2	182
725	An insight into the improved capacitive deionization performance of activated carbon treated by sulfuric acid. Electrochimica Acta, 2015, 176, 755-762.	2.6	49
726	Enhanced ammonia adsorption on functionalized nanoporous carbons. Microporous and Mesoporous Materials, 2015, 218, 15-23.	2.2	68
727	Carbon nanotube-nanoporous anodic alumina composite membranes with controllable inner diameters and surface chemistry: Influence on molecular transport and chemical selectivity. Carbon, 2015, 93, 681-692.	5.4	31
728	A three-dimensionally interconnected carbon nanotube/layered MoS2 nanohybrid network for lithium ion battery anode with superior rate capacity and long-cycle-life. Nano Energy, 2015, 16, 10-18.	8.2	155
729	Effect of the oxidation approach on carbon nanotube surface functional groups and electrooxidative filtration performance. Journal of Materials Chemistry A, 2015, 3, 7575-7582.	5.2	71
730	Enhanced thermopower in flexible tellurium nanowire films doped using single-walled carbon nanotubes with a rationally designed work function. Carbon, 2015, 94, 577-584.	5.4	37
731	Improved carbon nanostructures as a novel catalyst support in the cathode side of PEMFC: a critical review. Carbon, 2015, 94, 705-728.	5.4	145
732	Impregnation assisted synthesis of 3D nitrogen-doped porous carbon with high capacitance. Carbon, 2015, 94, 650-660.	5.4	64
733	Composition, Electronic and Magnetic Investigation of the Encapsulated ZnFe2O4 Nanoparticles in Multiwall Carbon Nanotubes Containing Ni Residuals. Nanoscale Research Letters, 2015, 10, 971.	3.1	36
734	Epoxidized multi-walled carbon nanotube buckypapers: A scaffold for polymer nanocomposites with enhanced mechanical properties. Chemical Engineering Journal, 2015, 281, 793-803.	6.6	23
735	Preparation and characterization of silicon nitride (SiN)-coated carbon fibers and their effects on thermal properties in composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 200, 132-138.	1.7	10
736	Carbon Nanotube Composite Mesh Film with Tunable Optoelectronic Performance. ECS Journal of Solid State Science and Technology, 2015, 4, M30-M34.	0.9	8
737	A facile synthesis of zinc oxide/multiwalled carbon nanotube nanocomposite lithium ion battery anodes by solâ€“gel method. Journal of Power Sources, 2015, 295, 235-245.	4.0	51
738	Fabrication of high-performance composite electrodes composed of multiwalled carbon nanotubes and glycerol-doped poly(3,4-ethylenedioxythiophene):polystyrene sulfonate for use in organic devices. Journal of Materials Chemistry C, 2015, 3, 7325-7335.	2.7	24
739	A new facile route for synthesizing of graphene oxide using mixture of sulfuricâ€“nitricâ€“phosphoric acids as intercalating agent. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 73, 235-241.	1.3	48
740	Effect of multiwall carbon nanotubes surface on polymerization of aniline and properties of its products. Russian Journal of General Chemistry, 2015, 85, 1146-1151.	0.3	2

#	Article	IF	Citations
741	Enhanced electrocatalytic activity of nitrogen-doped multi-walled carbon nanotubes towards the oxygen reduction reaction in alkaline media. RSC Advances, 2015, 5, 59495-59505.	1.7	71
742	Preparation, structure and properties of carbon nanotube reinforced polymer nanocomposites. Synthetic Metals, 2015, 205, 98-105.	2.1	7
743	Low temperature selective catalytic reduction of NO by C3H6 over CeOx loaded on AC treated by HNO3. Journal of Rare Earths, 2015, 33, 371-381.	2.5	15
744	Scanning electron microscopy of carbon nanotubes dispersed in ionic liquid: Solvent influence study. Microchemical Journal, 2015, 122, 137-143.	2.3	10
745	cRGDyK-modified camretastain A4-loaded graphene oxide nanosheets for targeted anticancer drug delivery. RSC Advances, 2015, 5, 40258-40268.	1.7	5
746	In situ observation of carbon nanotube yarn during voltage application. Micron, 2015, 74, 30-34.	1.1	4
747	Carbonâ€Nanotubesâ€Supported Pd Nanoparticles for Alcohol Oxidations in Fuel Cells: Effect of Number of Nanotube Walls on Activity. ChemSusChem, 2015, 8, 2956-2966.	3.6	39
748	Synthesis and characterization of Pt supported on multiwalled carbon nanotubes for improved catalytic performance in fuel cell applications. Journal of Porous Materials, 2015, 22, 647-658.	1.3	6
749	Nickel and nickel oxide nanocrystals selectively grafting on multiwalled carbon nanotubes. Nano Convergence, 2015, 2, .	6.3	6
750	Nondestructive covalent functionalization of carbon nanotubes by selective oxidation of the original defects with K2FeO4. Applied Surface Science, 2015, 346, 520-527.	3.1	30
751	Optimization of Sonication Parameters for Homogeneous Surfactant-Assisted Dispersion of Multiwalled Carbon Nanotubes in Aqueous Solutions. Journal of Physical Chemistry C, 2015, 119, 7506-7516.	1.5	77
752	Cancer targeting propensity of folate conjugated surface engineered multi-walled carbon nanotubes. Colloids and Surfaces B: Biointerfaces, 2015, 132, 17-26.	2.5	23
753	Sustainable process for all-carbon electrodes: Horticultural doping of natural-resource-derived nano-carbons for high-performance supercapacitors. Carbon, 2015, 91, 386-394.	5.4	26
754	Radio frequency plasma mediated dry functionalization of multiwall carbon nanotube. Applied Surface Science, 2015, 340, 64-71.	3.1	25
755	Effectiveness of carbon nanotubeâ€“cobalt ferrite nanocomposites for the adsorption of rhodamine B from aqueous solutions. RSC Advances, 2015, 5, 22724-22739.	1.7	92
756	Conversion of sewage sludge into high-performance bifunctional electrode materials for microbial energy harvesting. Journal of Materials Chemistry A, 2015, 3, 8475-8482.	5.2	82
757	Effect of oxygen plasma treatment on horizontally aligned carbon nanotube thin film as pH-sensing membrane of extended-gate field-effect transistor. Japanese Journal of Applied Physics, 2015, 54, 04DL01.	0.8	10
758	The correlation of the binding mechanism of the polypyrroleâ€“carbon capacitive interphase with electrochemical stability of the composite electrode. Physical Chemistry Chemical Physics, 2015, 17, 13323-13332.	1.3	27

#	Article	IF	Citations
759	Assisted deposition of nano-hydroxyapatite onto exfoliated carbon nanotube oxide scaffolds. Nanoscale, 2015, 7, 10218-10232.	2.8	54
760	Epoxidation of Multiâ€Walled Carbon Nanotubes by Organocatalytic Oxidation. European Journal of Organic Chemistry, 2015, 2015, 3063-3068.	1.2	10
761	Scalable nanomanufacturing of surfactant-free carbon nanotube inks for spray coatings with high conductivity. Nano Research, 2015, 8, 2242-2250.	5.8	23
762	Highly Versatile and Efficient Process for CNT Oxidation in Vapor Phase by Means of Mg(NO3)2â€'HNO3â€'H2O Ternary Mixture. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 1-5.	1.0	7
763	A general solid-state synthesis of chemically-doped fluorescent graphene quantum dots for bioimaging and optoelectronic applications. Nanoscale, 2015, 7, 10162-10169.	2.8	121
764	Impedimetric DNA-biosensor for the study of dopamine induces DNA damage and investigation of inhibitory and repair effects of some antioxidants. Bioelectrochemistry, 2015, 104, 71-78.	2.4	16
765	Novel MWNTsâ€“Bi2WO6 composites with enhanced simulated solar photoactivity toward adsorbed and free tetracycline in water. Applied Catalysis B: Environmental, 2015, 176-177, 11-19.	10.8	150
766	Resistance switching behavior of ZnO resistive random access memory with a reduced graphene oxide capping layer. Japanese Journal of Applied Physics, 2015, 54, 04DJ08.	0.8	16
767	Ordered mesoporous carbons as effective sorbents for removal of heavy metal ions. Microporous and Mesoporous Materials, 2015, 211, 162-173.	2.2	94
768	Graphitized hierarchical porous carbon nanospheres: simultaneous activation/graphitization and superior supercapacitance performance. Journal of Materials Chemistry A, 2015, 3, 9565-9577.	5.2	183
769	Catalysis and Reactivation of Ordered Mesoporous Carbon-Supported Gold Nanoparticles for the Base-Free Oxidation of Glucose to Gluconic Acid. ACS Catalysis, 2015, 5, 2659-2670.	5.5	120
770	Hierarchical Ag2Oâ€“ZnOâ€“Fe3O4 composites with enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2015, 644, 334-340.	2.8	37
771	Hierarchical Polymerâ€“Carbon Nanotube Hybrid Mesostructures by Crystallization-Driven Self-Assembly. ACS Nano, 2015, 9, 10673-10685.	7.3	30
772	Comparison as Effective Photocatalyst or Adsorbent of Carbon Materials of One, Two, and Three Dimensions for the Removal of Reactive Red 2 in Water. Environmental Engineering Science, 2015, 32, 872-880.	0.8	14
773	Microstructure and transmission electron microscopy characterization of electroless Niâ€“B thin films deposited on MWCNTs. Surface and Coatings Technology, 2015, 282, 107-114.	2.2	17
774	Synthesis and characterization of Nitrogen-doped &CaCO3-decorated reduced graphene oxide nanocomposite for electrochemical supercapacitors. Electrochimica Acta, 2015, 184, 193-202.	2.6	36
775	Deagglomeration of multi-walled carbon nanotubes via an organic modifier: structure and mechanism. Physical Chemistry Chemical Physics, 2015, 17, 25365-25378.	1.3	14
776	Enhanced non-linear viscoelastic properties of TATB-based polymer bonded explosives filled with hybrid graphene/multiwalled carbon nanotubes. RSC Advances, 2015, 5, 94759-94767.	1.7	14

#	Article	IF	Citations
777	Direct functionalization of multi-walled carbon nanotubes (MWCNTs) via grafting of poly(furfuryl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 94321-94327.	1.7	25
778	Simple adsorption of Candida rugosa lipase onto multi-walled carbon nanotubes for sustainable production of the flavor ester geranyl propionate. Journal of Industrial and Engineering Chemistry, 2015, 32, 99-108.	2.9	55
779	Single walled carbon nanotube networkâ€"Tetrahedral amorphous carbon composite film. Journal of Applied Physics, 2015, 117, 225302.	1.1	8
780	Magnetic solid-phase extraction using carbon nanotubes as sorbents: A review. Analytica Chimica Acta, 2015, 892, 10-26.	2.6	290
781	Heteroatom Doped Carbon Nanofibers Synthesized by Chemical Vapor Deposition as Platinum Electrocatalyst Supports for Polymer Electrolyte Membrane Fuel Cells. Electrochimica Acta, 2015, 182, 351-360.	2.6	42
782	Ambient effects on the electrical conductivity of carbon nanotubes. Carbon, 2015, 95, 347-353.	5.4	27
783	Comparative temporal analysis of multiwalled carbon nanotube oxidation reactions: Evaluating chemical modifications on true nanotube surface. Applied Surface Science, 2015, 357, 1015-1023.	3.1	63
784	Nickel embedded in N-doped porous carbon for the hydrogenation of nitrobenzene to p-aminophenol in sulphuric acid. Chemical Communications, 2015, 51, 17712-17715.	2.2	40
785	Thermoelectric properties of Co substituted synthetic tetrahedrite. Acta Materialia, 2015, 100, 266-274.	3.8	96
786	Enhanced rate performance of multiwalled carbon nanotube encrusted olivine type composite cathode material using polyol technique. Journal of Power Sources, 2015, 300, 496-506.	4.0	19
787	Multiwalled Carbon Nanotube Oxygen Sensor: Enhanced Oxygen Sensitivity at Room Temperature and Mechanism of Sensing. ACS Applied Materials & Interfaces, 2015, 7, 23857-23865.	4.0	40
788	Self-Assembly and Tribological Properties of Carbon Nanotubes Film on Silicon Substrates. Nano, 2015, 10, 1550098.	0.5	0
789	A novel third-generation xanthine biosensor with enzyme modified glassy carbon electrode using electrodeposited MWCNT and nanogold polymer composite film. RSC Advances, 2015, 5, 95911-95925.	1.7	35
790	Nucleation and Growth of the HfO₂ Dielectric Layer for Graphene-Based Devices. Chemistry of Materials, 2015, 27, 5868-5877.	3.2	43
791	Electron Transfer and Charge Storage in Thin Films of Nanoparticles. , 2015, , 1-62.		3
792	E-DNA Sensor of Mycobacterium tuberculosis Based on Electrochemical Assembly of Nanomaterials (MWCNTs/PPy/PAMAM). Analytical Chemistry, 2015, 87, 9257-9264.	3.2	110
793	Hierarchical porous carbon derived from recycled waste filter paper as high-performance supercapacitor electrodes. RSC Advances, 2015, 5, 72019-72027.	1.7	46
794	Removal of Pb(II), Cu(II), and Cd(II) from aqueous solutions by biochar derived from KMnO4 treated hickory wood. Bioresource Technology, 2015, 197, 356-362.	4.8	436

#	Article	IF	Citations
795	Supercapacitive behavior of microporous carbon derived from zinc based metal-organic framework and furfuryl alcohol. International Journal of Hydrogen Energy, 2015, 40, 13344-13356.	3.8	15
796	Functionalized multi-walled carbon nanotubes as an efficient reusable heterogeneous catalyst for green synthesis of N-substituted pyrroles in water. RSC Advances, 2015, 5, 76221-76228.	1.7	17
797	Direct dehydrogenation of isobutane to isobutene over carbon catalysts. Chinese Journal of Catalysis, 2015, 36, 1214-1222.	6.9	13
798	Cooperative effect of hierarchical carbon nanotube arrays as facilitated transport channels for high-performance wire-based supercapacitors. Carbon, 2015, 95, 746-755.	5.4	26
799	Polymer Grafted Multi-Walled Carbon Nanotube as a Novel Toughening Agent for Epoxy System. Materials Science Forum, 2015, 830-831, 577-580.	0.3	1
800	Controllable synthesis and capacitive performance of nitrogen-doped porous carbon from carboxymethyl chitosan by template carbonization method. Journal of Solid State Electrochemistry, 2015, 19, 3087-3096.	1.2	11
801	Conversion of Natural Tannin to Hydrothermal and Graphene-Like Carbons Studied by Wide-Angle X-ray Scattering. Journal of Physical Chemistry A, 2015, 119, 8692-8701.	1.1	22
802	Changes of the surface and properties of multi-walled carbon nanotubes in physicochemical modification. Russian Journal of Applied Chemistry, 2015, 88, 1229-1234.	0.1	9
803	Influence of kneading time on network formation and electrical properties of wet jet milling treated and untreated SWCNT reinforced polyamide 6 nanocomposites by impedance spectroscopy. Polymer, 2015, 80, 18-26.	1.8	2
804	Water-dispersible carbon nanotube prepared by non-destructive functionalization technique of admicellar polymerization. Diamond and Related Materials, 2015, 60, 111-116.	1.8	11
805	Dry Functionalization and Doping of Single-Walled Carbon Nanotubes by Ozone. Journal of Physical Chemistry C, 2015, 119, 27821-27828.	1.5	34
806	Electrochemically Functionalized Seamless Three-Dimensional Graphene-Carbon Nanotube Hybrid for Direct Electron Transfer of Glucose Oxidase and Bioelectrocatalysis. Langmuir, 2015, 31, 13054-13061.	1.6	61
807	Photocatalytic antibacterial activity of nano-TiO2 (anatase)-based thin films: Effects on Escherichia coli cells and fatty acids. Journal of Photochemistry and Photobiology B: Biology, 2015, 142, 178-185.	1.7	190
808	Carbon nanotubes oxidized by a green method as efficient metal-free catalysts for nitroarene reduction. Physical Chemistry Chemical Physics, 2015, 17, 1567-1571.	1.3	58
809	p-Phosphonic acid calix[8]arene assisted dispersion and stabilisation of pea-pod C₆₀@multi-walled carbon nanotubes in water. Chemical Communications, 2015, 51, 2399-2402.	2.2	19
810	Synthesis and characterization of multi-walled carbon nanotubes-supported dibenzo-14-crown-4 ether with proton ionizable carboxyl sidearm as Li+ adsorbents. Chemical Engineering Journal, 2015, 264, 89-98.	6.6	56
811	Porous Nitrogenâ€Doped Carbon Microspheres Derived from Microporous Polymeric Organic Frameworks for High Performance Electric Doubleâ€Layer Capacitors. Chemistry - A European Journal, 2015, 21, 2310-2314.	1.7	39
812	Concurrent Hydrogenation of Aromatic and Nitro Groups over Carbon-Supported Ruthenium Catalysts. ACS Catalysis, 2015, 5, 203-209.	5.5	78

#	Article	IF	Citations
813	3D Macroporous Solids from Chemically Cross-linked Carbon Nanotubes. Small, 2015, 11, 688-693.	5.2	49
814	Fabrication and thermal characteristics of functionalized carbon nanotubes impregnated polydimethylsiloxane nanocomposites. Journal of Composite Materials, 2015, 49, 995-1006.	1.2	24
815	Large-scale synthesis of coaxial carbon nanotube/Ni(OH)2 composites for asymmetric supercapacitor application. Nano Energy, 2015, 11, 211-218.	8.2	439
816	Carbon Nanotube Pullout, Interfacial Properties, and Toughening in Ceramic Nanocomposites: Mechanistic Insights from Single Fiber Pullout Analysis. Advanced Materials Interfaces, 2015, 2, 1400110.	1.9	20
817	Pre-stabilized reduced graphene oxide by ammonia as carrier for Ni(OH)2 with excellent electrochemical property. Journal of Solid State Electrochemistry, 2015, 19, 229-239.	1.2	18
818	Functionalization of multi-walled carbon nanotubes (MWCNTs) with pimelic acid molecules: effect of linkage on Î²-crystal formation in an isotactic polypropylene (iPP) matrix. Journal of Materials Science, 2015, 50, 1457-1468.	1.7	23
819	Synthesis, characterization, and description of influences on the stabilizing activity of antioxidant-functionalized multi-walled carbon nanotubes. Carbon, 2015, 81, 305-313.	5.4	16
820	Characterization of carbon nanotubes and analytical methods for their determination in environmental and biological samples: A review. Analytica Chimica Acta, 2015, 853, 77-94.	2.6	101
821	Adsorption of synthetic organic contaminants by carbon nanotubes: A critical review. Water Research, 2015, 68, 34-55.	5.3	261
822	Carbon Nanotube Reinforced Titanium Metal Matrix Composites Prepared by Powder Metallurgyâ€”A Review. Critical Reviews in Solid State and Materials Sciences, 2015, 40, 38-55.	6.8	137
823	Effect of single-walled carbon nanotubes on the transport properties of sulfonated poly(styreneâ€“isobutyleneâ€“styrene) membranes. Journal of Membrane Science, 2015, 474, 92-102.	4.1	23
824	Catalytic performance of carbon nanotubes in H2O2 decomposition: Experimental and quantum chemical study. Journal of Colloid and Interface Science, 2015, 437, 283-290.	5.0	41
825	Heteroatom-enriched and renewable banana-stem-derived porous carbon for the electrochemical determination of nitrite in various water samples. Scientific Reports, 2014, 4, 4679.	1.6	99
826	Batch and column sorption of arsenic onto iron-impregnated biochar synthesized through hydrolysis. Water Research, 2015, 68, 206-216.	5.3	448
827	Enhancement of Electrochemical Glucose Sensing by Using Multiwall Carbon Nanotubes decorated with Iron Oxide Nanoparticles. International Journal of Electrochemical Science, 2016, 11, 6356-6369.	0.5	16
828	Tuning CNT Properties for Metal-Free Environmental Catalytic Applications. Journal of Carbon Research, 2016, 2, 17.	1.4	17
829	A Sensor Array for the Detection and Discrimination of Methane and Other Environmental Pollutant Gases. Sensors, 2016, 16, 1163.	2.1	48
830	Molecular Assembly Line: Stepwise Hydrogenation of Multifunctional Substrates over Catalyst Mixtures. ChemCatChem, 2016, 8, 546-550.	1.8	11

#	Article	IF	Citations
831	Microstructural and thermal properties of fluoroelastomer/acidic surface modified carbon nanotube nanocomposites. Polymer Composites, 2016, 37, 3341-3353.	2.3	9
832	Green and Facile Fabrication of MWNTs@Sb₂S₃@PPy Coaxial Nanocables for Highâ€Performance Naâ€Ion Batteries. Particle and Particle Systems Characterization, 2016, 33, 493-499.	1.2	66
833	Bipolar Electrografting on the Inner Wall of Carbon Nanotubes. ChemElectroChem, 2016, 3, 410-414.	1.7	16
834	Role of Process Control Agent in the Synthesis of Multiâ€Walled Carbon Nanotubes Reinforced Titanium Metal Matrix Powder Mixtures. Advanced Engineering Materials, 2016, 18, 294-303.	1.6	27
835	Functionalized MWCNTs in improving the performance and biocompatibility of potential hemodialysis membranes. RSC Advances, 2016, 6, 63156-63170.	1.7	18
836	Easy preparation of partially-opened carbon nanotubes by simple air oxidation for high performance Liâ€“S batteries. RSC Advances, 2016, 6, 113522-113526.	1.7	8
837	Investigation of gassensitive characteristics of sensors based on SiO<inf>2</inf>SnO<inf>x</inf>-CNT films. , 2016, , .		0
838	Chemical Strategies for Enhancing Activity and Charge Transfer in Ultrathin Pt Nanowires Immobilized onto Nanotube Supports for the Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 34280-34294.	4.0	16
839	Plasma-treated multilayer graphene: Synthesis and applications. , 2016, , .		0
840	Pressure-Induced Capillary Encapsulation Protocol for Ultrahigh Loading of Sulfur and Selenium Inside Carbon Nanotubes: Application as High Performance Cathode in Liâ€“S/Se Rechargeable Batteries. Journal of Physical Chemistry C, 2016, 120, 29011-29022.	1.5	33
841	Hemoglobin-carbon nanotube derived noble-metal-free Fe5C2-based catalyst for highly efficient oxygen reduction reaction. Scientific Reports, 2016, 6, 20132.	1.6	29
842	Hydrothermally Driven Transformation of Oxygen Functional Groups at Multiwall Carbon Nanotubes for Improved Electrocatalytic Applications. ACS Applied Materials & Interfaces, 2016, 8, 35513-35522.	4.0	65
843	Boron-doped few-walled carbon nanotubes: novel synthesis and properties. Nanotechnology, 2016, 27, 445601.	1.3	12
844	C60 fullerene decoration of carbon nanotubes. Journal of Experimental and Theoretical Physics, 2016, 123, 985-990.	0.2	2
845	Assessing the temporal stability of surface functional groups introduced by plasma treatments on the outer shells of carbon nanotubes. Scientific Reports, 2016, 6, 31565.	1.6	40
846	Electrochemistry and electrocatalysis of myoglobin immobilized inÂsulfonated graphene oxide and Nafion films. Analytical Biochemistry, 2016, 502, 43-49.	1.1	25
847	Influence of purified multiwalled carbon nanotubes on the mechanical and morphological behavior in poly (L-lactic acid) matrix. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 547-560.	1.5	8
848	Phosphate modified carbon nanotubes for oxidative dehydrogenation of n-butane. Journal of Energy Chemistry, 2016, 25, 349-353.	7.1	19

#	Article	IF	Citations
849	Ionic liquid polymer functionalized carbon nanotubes-doped poly(3,4-ethylenedioxythiophene) for highly-efficient solid-phase microextraction of carbamate pesticides. Journal of Chromatography A, 2016, 1444, 42-49.	1.8	61
850	Alternative mannosylation method for nanomaterials: application to oxidized debris-free multiwalled carbon nanotubes. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	10
851	Surface engineering of nanomaterials for improved energy storage â€“ A review. Chemical Engineering Science, 2016, 154, 3-19.	1.9	49
852	Enhancement of Bifunctional Activity of the Hybrid Catalyst of Hollow-Net Structure Co₃O₄and Carbon Nanotubes. Journal of the Electrochemical Society, 2016, 163, F3041-F3050.	1.3	8
853	Kinetic and thermodynamic studies of methotrexate adsorption on chitosan-modified magnetic multi-walled carbon nanotubes. Monatshefte FÃ¼r Chemie, 2016, 147, 2051-2060.	0.9	3
854	Coordination chemistry for information acquisition and processing. Coordination Chemistry Reviews, 2016, 325, 135-160.	9.5	26
855	Effect of Pretreatment on Physicochemical Properties and Performance of Multiwalled Carbon Nanotube Supported Cobalt Catalyst for Fischerâ€“Tropsch Synthesis. Industrial & Engineering Chemistry Research, 2016, 55, 6049-6059.	1.8	40
856	A comprehensive study on sunlight driven photocatalytic hydrogen generation using low cost nanocrystalline Cu-Ti oxides. Solar Energy Materials and Solar Cells, 2016, 154, 104-120.	3.0	47
857	Effective Way To Enhance the Electrode Performance of Multiwall Carbon Nanotube and Poly(3,4-ethylenedioxythiophene): Poly(styrene sulfonate) Composite Using HClâ€“Methanol Treatment. Journal of Physical Chemistry C, 2016, 120, 10919-10926.	1.5	21
858	Nitrogen-doped carbon cobalt grafted on graphitic carbon nitride catalysts with enhanced catalytic performance for ethylbenzene oxidation. Journal of Molecular Catalysis A, 2016, 420, 11-17.	4.8	44
859	On the Interfacial Properties of Polymers/Functionalized Single-Walled Carbon Nanotubes. Brazilian Journal of Physics, 2016, 46, 361-369.	0.7	8
860	A multiscale mechanical model for the effective interphase of SWNT/epoxy nanocomposite. Polymer, 2016, 89, 159-171.	1.8	76
861	Controlled surface functionalization of carbon nanotubes by nitric acid vapors generated from sub-azeotropic solution. Surface and Interface Analysis, 2016, 48, 17-25.	0.8	21
862	Fabrication of multi-walled carbon nanotube layers with selected properties via electrophoretic deposition: physicochemical and biological characterization. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	23
863	Trends in Conducting Polymer and Hybrids of Conducting Polymer/Carbon Nanotube: A Review. Polymer-Plastics Technology and Engineering, 2016, 55, 1416-1440.	1.9	54
864	Surface-oxidized carbon black as a catalyst for the water oxidation and alcohol oxidation reactions. Chemical Communications, 2016, 52, 6439-6442.	2.2	42
865	Nickel hydroxide-impregnated and -coated carbon nanotubes using an easily manipulated solvothermal route for supercapacitors. Ceramics International, 2016, 42, 11634-11639.	2.3	9
866	Methoxypolyethylene glycol functionalized carbon nanotube composites with high permittivity and low dielectric loss. Composites Part A: Applied Science and Manufacturing, 2016, 86, 57-65.	3.8	39

#	Article	IF	Citations
867	Multiwalled Carbon Nanotube/Cellulose Composite: From Aqueous Dispersions to Pickering Emulsions. Langmuir, 2016, 32, 3907-3916.	1.6	28
868	Mix and match metal oxides and nanocarbons for new photocatalytic frontiers. Catalysis Today, 2016, 277, 202-213.	2.2	29
869	Deterioration of the Strong sp² Carbon Network in Carbon Nanotubes during the Mechanical Dispersion Processingâ€"A Review. Critical Reviews in Solid State and Materials Sciences, 2016, 41, 347-366.	6.8	42
870	Characterization of volatile organic compound adsorption on multiwall carbon nanotubes under different levels of relative humidity using linear solvation energy relationship. Journal of Hazardous Materials, 2016, 315, 35-41.	6.5	38
871	Effect of plasma treatment on multilayer graphene: X-ray photoelectron spectroscopy, surface morphology investigations and work function measurements. RSC Advances, 2016, 6, 48843-48850.	1.7	22
872	Carbon nanotube scaffolds with controlled porosity as electromagnetic absorbing materials in the gigahertz range. Nanoscale, 2016, 8, 10724-10730.	2.8	42
873	Surface-modified carbon nanotube coating on high-voltage LiNi0.5Mn1.5O4 cathodes for lithium ion batteries. Journal of Power Sources, 2016, 322, 40-48.	4.0	65
874	Robust carbon nanotube membranes directly grown on Hastelloy substrates and their potential application for membrane distillation. Carbon, 2016, 106, 243-251.	5.4	24
875	Ultra-flexible fibrous supercapacitors with carbon nanotube/polypyrrole brush-like electrodes. Journal of Materials Chemistry A, 2016, 4, 9910-9922.	5.2	137
876	Simple synthesis of porous carbon materials for high-performance supercapacitors. Journal of Applied Electrochemistry, 2016, 46, 703-712.	1.5	19
877	Reproducibly creating hierarchical 3D carbon to study the effect of Si surface functionalization on the oxygen reduction reaction. Nanoscale, 2016, 8, 11617-11624.	2.8	1
878	Mixed matrix membranes containing functionalized multiwalled carbon nanotubes: Mesoscale simulation and experimental approach for optimizing dispersion. Journal of Membrane Science, 2016, 514, 195-209.	4.1	62
879	Volatilizable template-assisted scalable preparation of honeycomb-like porous carbons for efficient oxygen electroreduction. Journal of Materials Chemistry A, 2016, 4, 10820-10827.	5.2	54
880	Carbon nanofibers as nanoreactors in the construction of PtCo alloy carbon core-shell structures for highly efficient and stable water splitting. Materials and Design, 2016, 109, 162-170.	3.3	28
881	Controllable modification of nanostructured carbon with hollow macroporous core/mesoporous shell and its application as templates in aqueous solution. Chemical Physics Letters, 2016, 662, 286-290.	1.2	5
882	Carbon Nanotube Based Gas Sensors toward Breath Analysis. ChemPlusChem, 2016, 81, 1248-1265.	1.3	70
883	Synergistic effect of Yttrium and pyridine-functionalized carbon nanotube on platinum nanoparticles toward the oxygen reduction reaction in acid medium. Journal of Catalysis, 2016, 344, 712-721.	3.1	14
884	Enhanced oxygen reduction reaction activity of iron-containing nitrogen-doped carbon nanotubes for alkaline direct methanol fuel cell application. Journal of Power Sources, 2016, 332, 129-138.	4.0	86

#	Article	IF	Citations
885	An efficient approach to selective electromembrane extraction of naproxen by means of molecularly imprinted polymer-coated multi-walled carbon nanotubes-reinforced hollow fibers. Journal of Chromatography A, 2016, 1470, 19-26.	1.8	34
886	Disentangling Vacancy Oxidation on Metallicity-Sorted Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 18316-18322.	1.5	8
887	A study of the stability of aqueous suspensions of functionalized carbon nanotubes. Colloid Journal, 2016, 78, 602-607.	0.5	3
888	Dispersion of Carbon Nanomaterials. , 2016, , 247-263.		3
889	Carboxylation of multiwalled carbon nanotubes reduces their toxicity in primary human alveolar macrophages. Environmental Science: Nano, 2016, 3, 1340-1350.	2.2	26
890	Highly water-resistant carbon nanotube supported PdCl₂â€“CuCl₂ catalysts for low temperature CO oxidation. RSC Advances, 2016, 6, 66553-66563.	1.7	21
891	Correlation of surface treatment, dispersion and mechanical properties of HDPE/CNT nanocomposites. Applied Surface Science, 2016, 389, 921-929.	3.1	76
892	â€œBottom-upâ€•transparent electrodes. Journal of Colloid and Interface Science, 2016, 482, 267-289.	5.0	17
893	Sulfhydrylated graphene-encapsulated iron nanoparticles directly aminated with polyethylenimine: a novel magnetic nanoplatform for bioconjugation of gamma globulins and polyclonal antibodies. Journal of Materials Chemistry B, 2016, 4, 5593-5607.	2.9	19
894	High-performance glucose biosensor based on chitosan-glucose oxidase immobilized polypyrrole/Nafion/functionalized multi-walled carbon nanotubes bio-nanohybrid film. Journal of Colloid and Interface Science, 2016, 482, 39-47.	5.0	116
895	Aggregation and stabilization of multiwalled carbon nanotubes in aqueous suspensions: influences of carboxymethyl cellulose, starch and humic acid. RSC Advances, 2016, 6, 67260-67270.	1.7	21
896	The dissipation of field emitting carbon nanotubes in an oxygen environment as revealed by in situ transmission electron microscopy. Nanoscale, 2016, 8, 16405-16415.	2.8	19
897	Effects of Dispersion and Ultraviolet/Ozonolysis Functionalization of Graphite Nanoplatelets on the Electrical Properties of Epoxy Nanocomposites. Springer Proceedings in Physics, 2016, , 477-491.	0.1	11
898	Effect of oxygen functionalisation on the electrochemical behaviour of multiwall carbon nanotubes for alcohol oxidation reactions. RSC Advances, 2016, 6, 78403-78408.	1.7	10
899	Accelerated ageing tests of carbon nanotube spectrally selective solar absorbers. Solar Energy Materials and Solar Cells, 2016, 157, 777-782.	3.0	5
900	Mechanism of cement/carbon nanotube composites with enhanced mechanical properties achieved by interfacial strengthening. Construction and Building Materials, 2016, 115, 87-92.	3.2	64
901	Tailoring Ptâ€“Fe₂O₃ Interfaces for Selective Reductive Coupling Reaction To Synthesize Imine. ACS Catalysis, 2016, 6, 6560-6566.	5.5	64
902	Fluoride adsorption onto amorphous aluminum hydroxide: Roles of the surface acetate anions. Journal of Colloid and Interface Science, 2016, 483, 295-306.	5.0	64

#	Article	IF	Citations
903	Influence of Ultraviolet/Ozonolysis Treatment of Nanocarbon Filler on the Electrical Resistivity of Epoxy Composites. Nanoscale Research Letters, 2016, 11, 370.	3.1	12
905	Simultaneous unzipping and sulfonation of multi-walled carbon nanotubes to sulfonated graphene nanoribbons for nanocomposite membranes in polymer electrolyte fuel cells. Journal of Membrane Science, 2016, 520, 657-670.	4.1	71
906	A universal synthetic route to carbon nanotube/transition metal oxide nano-composites for lithium ion batteries and electrochemical capacitors. Scientific Reports, 2016, 6, 37752.	1.6	58
907	Synergistic strengthening effect of nanocrystalline copper reinforced with carbon nanotubes. Scientific Reports, 2016, 6, 26258.	1.6	45
909	Anode materials for microbial fuel cells. , 2016, , 117-152.		6
910	What Does Nitric Acid Really Do to Carbon Nanofibers?. Journal of Physical Chemistry C, 2016, 120, 22655-22662.	1.5	19
911	Understanding the role of post-CCVD synthetic impurities, functional groups and functionalization-based oxidation debris on the behaviour of carbon nanotubes as a catalyst support in cyclohexene hydrogenation over Pd nanoparticles. RSC Advances, 2016, 6, 88538-88545.	1.7	2
912	Electrophoretic Deposition of Functionalized Multi-Walled Carbon Nanotubes (f-MWCNTs)-Polyaniline (PANi). Key Engineering Materials, 2016, 701, 33-41.	0.4	3
913	Mechanism of Thermal Defunctionalization of Oxidized Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 17465-17474.	1.5	66
914	Quantum dot-nanocarbon based hybrid solar cells with improved long-term performance. Synthetic Metals, 2016, 222, 34-41.	2.1	5
915	CdS nanoparticle coated carbon nanotube through magnetron sputtering and its improved field emission performance. Current Applied Physics, 2016, 16, 1293-1302.	1.1	12
916	A comparative study on defect estimation using XPS and Raman spectroscopy in few layer nanographitic structures. Physical Chemistry Chemical Physics, 2016, 18, 22160-22167.	1.3	136
917	Catalytic combustion of methane over Pd/MWCNTs under lean fuel conditions. Journal of Fuel Chemistry and Technology, 2016, 44, 928-936.	0.9	6
918	Synthesis of LaNiO₃perovskite using an EDTA-cellulose method and comparison with the conventional Pechini method: application to steam CO₂reforming of methane. RSC Advances, 2016, 6, 112885-112898.	1.7	21
919	Purification and dispersibility of multi-walled carbon nanotubes in aqueous solution. Russian Journal of Physical Chemistry A, 2016, 90, 2619-2624.	0.1	5
920	Fast Degradation for High Activity: Oxygenâ€•and Nitrogenâ€Functionalised Carbon Nanotubes in Solidâ€Acid Fuelâ€Cell Electrodes. ChemSusChem, 2016, 9, 3298-3306.	3.6	4
921	Rapid, in situ plasma functionalization of carbon nanotubes for improved CNT/epoxy composites. RSC Advances, 2016, 6, 108840-108850.	1.7	32
922	Electrocatalytic oxidation of Epinephrine and Norepinephrine at metal oxide doped phthalocyanine/MWCNT composite sensor. Scientific Reports, 2016, 6, 26938.	1.6	103

#	Article	IF	Citations
923	Electrochemical Study of Pyrene on Glassy Carbon Electrode Modified with Metal-Oxide Nanoparticles and Graphene Oxide/Multi-Walled Carbon Nanotubes Nanoplatform. Journal of Nano Research, 0, 44, 158-195.	0.8	6
924	Metal-free carbon nanotubes: synthesis, and enhanced intrinsic microwave absorption properties. Scientific Reports, 2016, 6, 28310.	1.6	55
925	Colloidal Stability in Water of Modified Carbon Nanotube: Comparison of Different Modification Techniques. Macromolecular Chemistry and Physics, 2016, 217, 2635-2646.	1.1	3
926	The effect of oxidation on physicochemical properties and aqueous stabilization of multiwalled carbon nanotubes: comparison of multiple analysis methods. Science China Chemistry, 2016, 59, 1498-1507.	4.2	13
927	Design of Hierarchically Porous Carbons with Interlinked Hydrophilic and Hydrophobic Surface and Their Capacitive Behavior. Chemistry of Materials, 2016, 28, 8715-8725.	3.2	35
928	Carbon nanotube reinforced cementitious composites: An overview. Composites Part A: Applied Science and Manufacturing, 2016, 91, 301-323.	3.8	214
929	Porous V2O5/RGO/CNT hierarchical architecture as a cathode material: Emphasis on the contribution of surface lithium storage. Scientific Reports, 2016, 6, 31275.	1.6	38
930	Highly Efficient and Stable Novel NanoBiohybrid Catalyst to Avert 3,4-Dihydroxybenzoic Acid Pollutant in Water. Scientific Reports, 2016, 6, 33572.	1.6	24
931	Dispergation and modification of multi-walled carbon nanotubes in aqueous solution. Russian Journal of Physical Chemistry A, 2016, 90, 2230-2236.	0.1	7
932	Preparation and properties of an antistatic UV-curable coating modified by multi-walled carbon nanotubes. Polymer Bulletin, 2016, 73, 2815-2830.	1.7	13
933	Exploring the potential energy surface for reaction of SWCNT with NO2+: A model reaction for oxidation of carbon nanotube in acid solution. Computational and Theoretical Chemistry, 2016, 1088, 1-8.	1.1	10
934	Comparatively studying the ultrasound present in a mild two-stage approach on the content of functional groups in modified MWCNT. Chemical Physics Letters, 2016, 650, 11-15.	1.2	8
935	A comprehensive study on step-wise surface modification of C60: Effect of oxidation and silanization on dynamic mechanical and thermal stability of epoxy nanocomposite. Materials Chemistry and Physics, 2016, 179, 120-128.	2.0	21
936	Synthesis of multi-walled carbon nanotube/silica nanoparticle/polystyrene microsphere/polyaniline based hybrids for EMI shielding application. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 507-519.	1.0	9
937	Ensuring near-optimum homogeneity and densification levels in nano-reinforced ceramics. Proceedings of SPIE, 2016, , .	0.8	0
938	Transparent flexible ZnO/MWCNTs/pbma ternary nanocomposite film with enhanced mechanical properties. Science China Chemistry, 2016, 59, 1010-1017.	4.2	4
939	Enhanced conversion reaction kinetics in low crystallinity SnO₂/CNT anodes for Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 10964-10973.	5.2	111
940	Interferometrically-controlled electrical currents in carbon nanotubes coated by platinum nanoparticles. Optics and Laser Technology, 2016, 85, 35-40.	2.2	5

#	Article	IF	Citations
941	Boosting oxygen reduction and hydrogen evolution at the edge sites of a web-like carbon nanotube-graphene hybrid. Carbon, 2016, 107, 739-746.	5.4	25
942	Fouling resistant nanocomposite cation exchange membrane with enhanced power generation for reverse electrodialysis. Journal of Membrane Science, 2016, 516, 162-171.	4.1	62
943	Biochar applications and modern techniques for characterization. Clean Technologies and Environmental Policy, 2016, 18, 1457-1473.	2.1	112
944	Covalent versus Charge Transfer Modification of Graphene/Carbon-Nanotubes with Vitamin B1: Co/N/Sâ€“C Catalyst toward Excellent Oxygen Reduction. ACS Applied Materials & Interfaces, 2016, 8, 16045-16052.	4.0	31
945	Progress and challenges of carbon nanotube membrane in water treatment. Critical Reviews in Environmental Science and Technology, 2016, 46, 999-1046.	6.6	70
946	Experimental study of pure and mixtures of CO2 and CH4 adsorption on modified carbon nanotubes. International Journal of Environmental Science and Technology, 2016, 13, 2001-2010.	1.8	14
947	Corrosion and Heat Transfer Characteristics of Water Dispersed with Carboxylate Additives and Multi Walled Carbon Nano Tubes. Journal of the Institution of Engineers (India): Series C, 2016, 97, 569-577.	0.7	5
948	A composite electrode of tin dioxide and carbon nanotubes and its role as negative electrode in lithium ion hybrid capacitor. Electrochimica Acta, 2016, 209, 332-340.	2.6	28
949	Persulfate Chemical Functionalization of Carbon Nanotubes and Associated Adsorption Behavior in Aqueous Phase. Industrial & Engineering Chemistry Research, 2016, 55, 6060-6068.	1.8	9
950	Significantly enhancing the thermal oxidative stability while remaining the excellent electrical insulating property of low density polyethylene by addition of antioxidant functionalized graphene oxide. Carbon, 2016, 106, 218-227.	5.4	39
951	Decorating carbon nanotubes with co-precipitated magnetite nanocrystals. Diamond and Related Materials, 2016, 66, 90-97.	1.8	16
952	Effects of transferrin conjugated multi-walled carbon nanotubes in lung cancer delivery. Materials Science and Engineering C, 2016, 67, 313-325.	3.8	60
953	Helically coiled carbon nanotube electrodes for flexible supercapacitors. Carbon, 2016, 105, 113-125.	5.4	99
954	One-Step Preparation of Oxygen/Fluorine Dual Functional MWCNTs with Good Water Dispersibility by the Initiation of Fluorine Gas. ACS Applied Materials & Interfaces, 2016, 8, 7991-7999.	4.0	23
955	Observation of the superstructural diffraction peak in the nitrogen doped carbon nanotubes: Simulation of the structure. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 520-530.	1.0	22
956	Nitrogen doped carbon nanowires prepared from polypyrrole nanowires for potential application in supercapacitors. Journal of Electroanalytical Chemistry, 2016, 775, 219-227.	1.9	18
957	Hydrothermally Oxidized Singleâ€Walled Carbon Nanotube Networks for High Volumetric Electrochemical Energy Storage. Small, 2016, 12, 3423-3431.	5.2	17
958	Electrophoretically deposited multiwalled carbon nanotube based amperometric genosensor forE.colidetection. Journal of Physics: Conference Series, 2016, 704, 012007.	0.3	5

#	Article	IF	Citations
959	Nitrogen and Sulfur Codoped Graphite Foam as a Selfâ€Supported Metalâ€Free Electrocatalytic Electrode for Water Oxidation. Advanced Energy Materials, 2016, 6, 1501492.	10.2	153
960	Effects of surface modification with 3â€aminopropyltriethoxysilane on structure and mechanical property of multiwalled carbon nanotube/polycarbonate composites. Polymer Composites, 2016, 37, 1914-1923.	2.3	11
961	The fabrication and characterization of nanocomposites containing new poly(amideâ€“imide) based on 4,4-methylenebis(3-chloro-2,6-diethyl trimellitimidobenzene) and carboxylic acid-functionalized multiwalled carbon nanotubes. High Performance Polymers, 2016, 28, 255-262.	0.8	5
962	Fibrous and Textile Materials for Composite Applications. Textile Science and Clothing Technology, 2016, , .	0.4	30
963	Effective approaches for the preparation of organo-modified multi-walled carbon nanotubes and the corresponding MWCNT/polymer nanocomposites. Polymer Journal, 2016, 48, 351-358.	1.3	36
964	Enhanced thermal conductive property of epoxy composites by low mass fraction of organicâ€“inorganic multilayer covalently grafted carbon nanotubes. Composites Science and Technology, 2016, 125, 90-99.	3.8	54
965	Facile radiolytic synthesis of ruthenium nanoparticles on graphene oxide and carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 205, 28-35.	1.7	172
966	Effect of different acid oxidation on morphology, dispersion and optical band-gap of multi-walled carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 332-338.	1.0	16
967	Effect of Plasma Power on Growth of Multilayer Graphene on Copper Using Plasma Enhanced Chemical Vapour Deposition. Journal of Chemical Research, 2016, 40, 40-43.	0.6	8
968	KOH-activated nitrogen doped porous carbon nanowires with superior performance in supercapacitors. Electrochimica Acta, 2016, 190, 229-239.	2.6	84
969	Effect of functionalization on drug delivery potential of carbon nanotubes. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1851-1860.	1.9	28
970	Multi-walled carbon nanotubes functionalized with a ultrahigh fraction of carboxyl and hydroxyl groups by ultrasound-assisted oxidation. Journal of Materials Science, 2016, 51, 3513-3524.	1.7	92
971	Facile synthesis of microporous carbon for supercapacitors with a LiNO3 electrolyte. Carbon, 2016, 100, 214-222.	5.4	32
972	Study of the Molecular Interactions between Functionalized Carbon Nanotubes and Chitosan. Journal of Physical Chemistry C, 2016, 120, 2371-2378.	1.5	39
973	Enhanced purification of carbon nanotubes by microwave and chlorine cleaning procedures. RSC Advances, 2016, 6, 11895-11902.	1.7	48
974	Toxicity determinants of multi-walled carbon nanotubes: The relationship between functionalization and agglomeration. Toxicology Reports, 2016, 3, 230-243.	1.6	141
975	Functionalization of carbon nanotubes for fabrication of CNT/epoxy nanocomposites. Materials and Design, 2016, 95, 1-8.	3.3	159
976	Fullerene-like MoSe₂nanoparticles-embedded CNT balls with excellent structural stability for highly reversible sodium-ion storage. Nanoscale, 2016, 8, 4209-4216.	2.8	131

#	Article	IF	Citations
977	Electrochemical synthesis and characterization of nanocomposites based on poly(3,4-ethylenedioxythiophene) and functionalized carbon nanotubes. Synthetic Metals, 2016, 212, 31-43.	2.1	18
978	Different chemical strategies to aminate oxidised multi-walled carbon nanotubes for siRNA complexation and delivery. Journal of Materials Chemistry B, 2016, 4, 431-441.	2.9	17
979	Removal of lead, copper, cadmium, zinc, and nickel from aqueous solutions by alkali-modified biochar: Batch and column tests. Journal of Industrial and Engineering Chemistry, 2016, 33, 239-245.	2.9	349
980	Interactions between carbon nanotubes and bioactives: a drug delivery perspective. Drug Discovery Today, 2016, 21, 585-597.	3.2	83
981	Enhanced catalytic activity of the surface modified TiO2-MWCNT nanocomposites under visible light. Journal of Colloid and Interface Science, 2016, 465, 93-105.	5.0	28
982	The synthesis and characterization of tributyl phosphate grafted carbon nanotubes by the floating catalytic chemical vapor deposition method and their sorption behavior towards uranium. New Journal of Chemistry, 2016, 40, 1213-1221.	1.4	35
983	Interfacial engineering of epoxy/carbon nanotubes using reactive glue for effective reinforcement of the composite. Polymer Journal, 2016, 48, 183-188.	1.3	8
984	Graphene Functionalization forÂBiosensor Applications. , 2016, , 85-141.		43
985	Enhancing the hydrogen transfer catalytic activity of hybrid carbon nanotube-based NHCâ€“iridium catalysts by increasing the oxidation degree of the nanosupport. Catalysis Science and Technology, 2016, 6, 5504-5514.	2.1	20
986	High strength toughened epoxy nanocomposite based on poly(ether sulfone)â€grafted multiâ€walled carbon nanotube. Polymers for Advanced Technologies, 2016, 27, 82-89.	1.6	27
987	Enhanced performance in capacitive force sensors using carbon nanotube/polydimethylsiloxane nanocomposites with high dielectric properties. Nanoscale, 2016, 8, 5667-5675.	2.8	45
988	Effects of amino group on the properties of carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 249-252.	1.0	3
989	Preparation of engineered carbon nanotube materials and its application in water treatment for removal of hydrophobic natural organic matter (NOM). Desalination and Water Treatment, 2016, 57, 24855-24866.	1.0	8
990	Electrochemically oxidized multiwalled carbon nanotube/glassy carbon electrode as a probe for simultaneous determination of dopamine and doxorubicin in biological samples. Analytical and Bioanalytical Chemistry, 2016, 408, 2577-2586.	1.9	43
991	Vitamin E TPGS conjugated carbon nanotubes improved efficacy of docetaxel with safety for lung cancer treatment. Colloids and Surfaces B: Biointerfaces, 2016, 141, 429-442.	2.5	60
992	C(Mo2C) and Ptâ€“C(Mo2C) based mixed catalysts for oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2016, 761, 89-97.	1.9	8
993	Morphology and surface structure of nanocarbon allotropes: A comparative study. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 345-352.	1.0	4
994	Carbon nanotubes' surface chemistry determines their potency as vaccine nanocarriers in vitro and in vivo. Journal of Controlled Release, 2016, 225, 205-216.	4.8	52

#	Article	IF	Citations
995	A general precursor strategy for one-dimensional titania with surface nanoprotrusion and tunable structural hierarchy. CrystEngComm, 2016, 18, 1321-1328.	1.3	6
996	Effect of humic acid on the sulfamethazine adsorption by functionalized multi-walled carbon nanotubes in aqueous solution: mechanistic study. RSC Advances, 2016, 6, 15184-15191.	1.7	27
997	MWCNT-Fe3O4-based immuno-PCR for the early screening of nasopharyngeal carcinoma. Materials Science and Engineering C, 2016, 61, 422-428.	3.8	10
998	Naturally derived carbon nanofibers as sustainable electrocatalysts for microbial energy harvesting: A new application of spider silk. Applied Catalysis B: Environmental, 2016, 188, 31-38.	10.8	80
999	Oxidative acid treatment and characterization of new biocarbon from sustainable Miscanthus biomass. Science of the Total Environment, 2016, 550, 241-247.	3.9	56
1000	Carbon Nanofibres and Nanotubes for Composite Applications. Textile Science and Clothing Technology, 2016, , 231-260.	0.4	6
1001	ENHANCEMENT OF ELECTRICAL CONDUCTIVITY AND FILLER DISPERSION OF CARBON NANOTUBE FILLED NATURAL RUBBER COMPOSITES BY LATEX MIXING AND IN SITU SILANIZATION. Rubber Chemistry and Technology, 2016, 89, 272-291.	0.6	26
1002	Nitrogen-Doped Carbon Nanoparticleâ€“Carbon Nanofiber Composite as an Efficient Metal-Free Cathode Catalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2016, 8, 6962-6971.	4.0	158
1003	Reductively PEGylated carbon nanomaterials and their use to nucleate 3D protein crystals: a comparison of dimensionality. Chemical Science, 2016, 7, 2916-2923.	3.7	40
1004	A facile Friedelâ€“Crafts acylation for the synthesis of polyethylenimine-grafted multi-walled carbon nanotubes as efficient gene delivery vectors. International Journal of Pharmaceutics, 2016, 502, 125-137.	2.6	27
1005	Effect of side-wall functionalisation of multi-walled carbon nanotubes on the thermo-mechanical properties of epoxy composites. RSC Advances, 2016, 6, 23887-23899.	1.7	38
1006	Biochar-supported carbon nanotube and graphene oxide nanocomposites for Pb(<scp>ii</scp>) and Cd(<scp>ii</scp>) removal. RSC Advances, 2016, 6, 24314-24319.	1.7	73
1007	Polyelectrolyte-free layer by layer self-assembled multilayer films of cationic phthalocyanine cobalt(II) and carbon nanotube for the efficient detection of 4-nitrophenol. Sensors and Actuators B: Chemical, 2016, 230, 359-366.	4.0	39
1008	Microwave-assisted synthesis of void-induced graphene-wrapped nickel oxide hybrids for supercapacitor applications. RSC Advances, 2016, 6, 26612-26620.	1.7	90
1009	Structure, Synthesis, and Application ofÂNanoparticles. , 2016, , 19-76.		12
1010	A facile approach to the synthesis of multi-walled carbon nanotube-polyhedral oligomeric silsesquioxane (POSS) nanohybrids. Materials Letters, 2016, 168, 9-12.	1.3	18
1011	Influence of chemically and plasma-functionalized carbon nanotubes on high-performance polymeric nanocomposites. High Performance Polymers, 2016, 28, 570-580.	0.8	22
1012	Carbon nanotubes implanted manganese-based MOFs for simultaneous detection of biomolecules in body fluids. Analyst, The, 2016, 141, 1279-1285.	1.7	62

#	Article	IF	Citations
1013	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
1014	Selective Electrochemical Detection of Ciprofloxacin with a Porous Nafion/Multiwalled Carbon Nanotube Composite Film Electrode. ACS Applied Materials & Interfaces, 2016, 8, 1615-1626.	4.0	105
1015	One-pot Aerosol Synthesis of Carbon Nanotube-Zn2GeO4 Composite Microspheres for Enhanced Lithium-ion Storage Properties. Electrochimica Acta, 2016, 190, 766-774.	2.6	18
1016	Multifunctional nitrogen-doped graphene nanoribbon aerogels for superior lithium storage and cell culture. Nanoscale, 2016, 8, 2159-2167.	2.8	50
1017	A Universal Wet-Chemistry Route to Metal Filling of Boron Nitride Nanotubes. Nano Letters, 2016, 16, 320-325.	4.5	20
1018	Effective removal of Cr(<scp>vi</scp>) using Î²-cyclodextrinâ€“chitosan modified biochars with adsorption/reduction bifuctional roles. RSC Advances, 2016, 6, 94-104.	1.7	221
1019	Sulfur Embedded in a Mesoporous Carbon Nanotube Network as a Binder-Free Electrode for High-Performance Lithiumâ€“Sulfur Batteries. ACS Nano, 2016, 10, 1300-1308.	7.3	196
1020	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
1021	Oxygen breaks into carbon nanotubes and abstracts hydrogen from propane. Carbon, 2016, 96, 631-640.	5.4	38
1022	Separation of Emulsified Oil from Oily Wastewater by Functionalized Multiwalled Carbon Nanotubes. Journal of Dispersion Science and Technology, 2016, 37, 1294-1302.	1.3	39
1023	Engineered Carbon-Nanomaterial-Based Electrochemical Sensors for Biomolecules. ACS Nano, 2016, 10, 46-80.	7.3	433
1024	In-grown structure of NiFe mixed metal oxides and CNT hybrid catalysts for oxygen evolution reaction. Chemical Communications, 2016, 52, 1439-1442.	2.2	74
1025	Fabrication, characterization, purification and photoluminescence properties of carbon nanomaterials over water-soluble alkali salts. Materials Research Bulletin, 2016, 74, 218-225.	2.7	3
1026	A comprehensive study on the thermo-mechanical properties of multi-walled carbon nanotube/epoxy nanocomposites. Journal of Composite Materials, 2016, 50, 2025-2034.	1.2	8
1027	Carbon nanotube â€“ Protamine hybrid: Evaluation of DNA cell penetration. Carbon, 2016, 96, 742-752.	5.4	14
1028	Removal of 17Î²-estradiol by few-layered graphene oxide nanosheets from aqueous solutions: External influence and adsorption mechanism. Chemical Engineering Journal, 2016, 284, 93-102.	6.6	258
1029	Characterisation of commercially CVD grown multi-walled carbon nanotubes for paint applications. Progress in Organic Coatings, 2016, 90, 44-53.	1.9	77
1030	Ni nanoparticles supported on CNTs with excellent activity produced by atomic layer deposition for hydrogen generation from the hydrolysis of ammonia borane. Catalysis Science and Technology, 2016, 6, 2112-2119.	2.1	98

#	Article	IF	Citations
1031	Effect of treating method on the physicochemical properties of amine-functionalized carbon nanotubes. International Journal of Materials Research, 2016, 107, 35-43.	0.1	7
1032	One-pot titration methodology for the characterization of surface acidic groups on functionalized carbon nanotubes. Carbon, 2016, 96, 729-741.	5.4	17
1033	Monodistearoylphosphatidylethanolamine-hyaluronic acid functionalization of single-walled carbon nanotubes for targeting intracellular drug delivery to overcome multidrug resistance of cancer cells. Carbon, 2016, 96, 362-376.	5.4	39
1034	Fabrication and mechanical properties of multi-walled carbon nanotube reinforced reaction bonded silicon carbide composites. Ceramics International, 2016, 42, 351-356.	2.3	38
1035	Synthesis of functionalized carbon nanotubes by floating catalytic chemical vapor deposition method and their sorption behavior toward arsenic. Chemical Engineering Journal, 2016, 284, 599-608.	6.6	41
1036	Structure and electrochemical performance of highly porous carbons by single-step potassium humate carbonization for application in supercapacitors. Journal of Applied Electrochemistry, 2016, 46, 113-121.	1.5	13
1037	Comparative study of carbon nanotubes and granular activated carbon: Physicochemical properties and adsorption capacities. Journal of Hazardous Materials, 2016, 302, 362-374.	6.5	58
1038	Fabrication and antifouling behaviour of a carbon nanotube membrane. Materials and Design, 2016, 89, 549-558.	3.3	77
1039	The first catalytic application of oxidized carbon nanotubes in a four-component synthesis of fused heterocycles. Monatshefte FÃ¼r Chemie, 2016, 147, 791-795.	0.9	33
1040	Self-constructed carbon nanoparticles-coated porous biocarbon from plant moss as advanced oxygen reduction catalysts. Applied Catalysis B: Environmental, 2016, 181, 635-643.	10.8	88
1041	Exploitation of Carbon Nanotubes in High Performance Polyvinylidene Fluoride Matrix Composite: A Review. Polymer-Plastics Technology and Engineering, 2016, 55, 199-222.	1.9	10
1042	Impacts of acidity and textural properties of oxidized carbon materials on their catalytic activity for hydrolysis of cellobiose. Microporous and Mesoporous Materials, 2016, 219, 317-321.	2.2	34
1043	Synthesis and modification of carbon nanomaterials via AC arc and dielectric barrier discharge plasma. Chemical Engineering Journal, 2016, 283, 9-20.	6.6	37
1044	Heat transfer performance of two-phase closed thermosyphon with oxidized CNT/water nanofluids. Heat and Mass Transfer, 2016, 52, 85-93.	1.2	33
1045	Hydrogen bond containing multiwalled carbon nanotubes in polyurethane composites. Polymer Composites, 2016, 37, 1425-1434.	2.3	7
1046	Carbon nanomaterial-based electrochemical biosensors for label-free sensing of environmental pollutants. Chemosphere, 2016, 143, 85-98.	4.2	170
1047	Carbon nanotube-epoxy composites: The role of acid treatment in thermal and electrical conductivity. Experimental Heat Transfer, 2017, 30, 66-76.	2.3	5
1048	Development and evaluation of targeting ligand-anchored CNTs as prospective targeted drug delivery system. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 242-250.	1.9	25

#	Article	IF	Citations
1049	Adsorption of linear alkylbenzene sulfonates on carboxyl modified multi-walled carbon nanotubes. Journal of Hazardous Materials, 2017, 322, 205-214.	6.5	32
1050	Structural properties of the multiwall carbon nanotubes/poly(methyl methacrylate) nanocomposites: Effect of the multiwall carbon nanotubes covalent functionalization. Polymer Composites, 2017, 38, E472.	2.3	10
1051	Carbon sponge-type nanostructures based on coaxial nitrogen-doped multiwalled carbon nanotubes grown by CVD using benzylamine as precursor. Carbon, 2017, 115, 409-421.	5.4	49
1052	Functionalized multiwalled carbon nanotubes for UV coating. Pigment and Resin Technology, 2017, 46, 1-13.	0.5	0
1053	Diluent changes the physicochemical and electrochemical properties of the electrophoretically-deposited layers of carbon nanotubes. Applied Surface Science, 2017, 403, 206-217.	3.1	14
1054	Linear free energy relationships for the adsorption of volatile organic compounds onto multiwalled carbon nanotubes at different relative humidities: comparison with organoclays and activated carbon. Environmental Sciences: Processes and Impacts, 2017, 19, 276-287.	1.7	9
1055	Novel three-dimensional island-chain structured V₂O₅/graphene/MWCNT hybrid aerogels for supercapacitors with ultralong cycle life. RSC Advances, 2017, 7, 7179-7187.	1.7	31
1056	Promotion Effect of Carbon Nanotubes-Doped SDS on Methane Hydrate Formation. Energy & Fuels, 2017, 31, 1850-1857.	2.5	55
1057	Syngas conversion to higher alcohols: A comparative study of acid and base-treated mesoporous carbon-supported KCoRhMoS2 catalysts. Catalysis Today, 2017, 291, 106-123.	2.2	5
1058	Unraveling Oxygen Evolution Reaction on Carbon-Based Electrocatalysts: Effect of Oxygen Doping on Adsorption of Oxygenated Intermediates. ACS Energy Letters, 2017, 2, 294-300.	8.8	145
1059	Fabrication of enzyme-based coatings on intact multi-walled carbon nanotubes as highly effective electrodes in biofuel cells. Scientific Reports, 2017, 7, 40202.	1.6	42
1060	All-solid-state Z-scheme photocatalyst with carbon nanotubes as an electron mediator for hydrogen evolution under simulated solar light. Chemical Engineering Journal, 2017, 316, 41-49.	6.6	87
1061	Silver Nanoparticles Modified Graphitic Carbon Nitride Nanosheets as a Significant Bifunctional Material for Practical Applications. ChemistrySelect, 2017, 2, 1398-1408.	0.7	19
1062	Development of Areal Capacity of Si-O-C Composites as Anode for Lithium Secondary Batteries Using 3D-Structured Carbon Paper as a Current Collector. Journal of the Electrochemical Society, 2017, 164, A355-A359.	1.3	7
1063	Microbial Transformation of Multiwalled Carbon Nanotubes by Mycobacterium vanbaalenii PYR-1. Environmental Science & Technology, 2017, 51, 2068-2076.	4.6	34
1064	Application of Some Carbon Fabrics as Outstanding Supercapacitor Electrode Materials in Acetonitrile Based Electrolyte. Journal of the Electrochemical Society, 2017, 164, A453-A460.	1.3	4
1065	Oxygen-modified multiwalled carbon nanotubes: physicochemical properties and capacitor functionality. International Journal of Energy Research, 2017, 41, 1182-1201.	2.2	16
1066	Mechanical and damping properties of CNT-reinforced cementitious composites. Composite Structures, 2017, 160, 81-88.	3.1	94

#	Article	IF	Citations
1067	Immobilized laccase on oxygen functionalized nanobiochars through mineral acids treatment for removal of carbamazepine. Science of the Total Environment, 2017, 584-585, 393-401.	3.9	127
1068	Synergistic effects of CNT and GO on enhancing mechanical properties and separation performance of polyelectrolyte complex membranes. Materials and Design, 2017, 119, 38-46.	3.3	55
1069	Variation in chemical, colloidal and electrochemical properties of carbon nanotubes with the degree of carboxylation. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	18
1070	Some new observations on the structural and phase evolution of nickel titanate nanofibers. Ceramics International, 2017, 43, 6845-6857.	2.3	14
1071	Thin-film nanocomposites of BDD/CNT deposited on carbon fiber. Diamond and Related Materials, 2017, 75, 116-122.	1.8	9
1072	High lithium storage capacity achieved by regulating monodisperse C/In2O3 nanosheet composite with double phases. Materials Chemistry and Physics, 2017, 193, 89-98.	2.0	6
1073	Enhancing fouling resistance of polyethylene anion exchange membranes using carbon nanotubes and iron oxide nanoparticles. Desalination, 2017, 411, 19-27.	4.0	37
1074	Effect of magnetite bridged carbon nanotube/graphene networks on the properties of polyarylene ether nitrile. Journal of Materials Science: Materials in Electronics, 2017, 28, 3978-3986.	1.1	4
1075	Hierarchical Assembly of Î±-Fe₂O₃ Nanorods on Multiwall Carbon Nanotubes as a High-Performance Sensing Material for Gas Sensors. ACS Applied Materials & Interfaces, 2017, 9, 8919-8928.	4.0	108
1076	Nitrogen-doped porous activated carbon derived from cocoon silk as a highly efficient metal-free electrocatalyst for the oxygen reduction reaction. RSC Advances, 2017, 7, 13383-13389.	1.7	58
1077	Green Synthesis of Electrospun Porous Carbon Nanofibers from Sucrose and Doping of Ag Nanoparticle with Improved Electrical and Electrochemical Properties. ChemistrySelect, 2017, 2, 2265-2276.	0.7	13
1078	One-step synthesis of nitrogen-doped porous carbon for high performance supercapacitors. Journal of Porous Materials, 2017, 24, 1363-1373.	1.3	1
1079	Covalent functionalization of polyhedral graphitic particles synthesized by arc discharge from graphite. Physical Chemistry Chemical Physics, 2017, 19, 5405-5410.	1.3	6
1080	Carbokatalyse in FlÃ¼ssigphasenreaktionen. Angewandte Chemie, 2017, 129, 956-985.	1.6	37
1081	Optimized mesopores enabling enhanced rate performance in novel ultrahigh surface area meso-/microporous carbon for supercapacitors. Nano Energy, 2017, 33, 453-461.	8.2	210
1082	One-pot two-step perfluoroalkylsilane functionalization of multi-walled carbon nanotubes for polyurethane-based composites. Composites Science and Technology, 2017, 143, 46-55.	3.8	10
1083	Synergism of carbon nanotubes and porous-organic polymers (POPs) in CO2 fixation: One-pot approach for bottom-up assembly of tunable heterogeneous catalyst. Applied Catalysis B: Environmental, 2017, 207, 347-357.	10.8	35
1084	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

#	Article	IF	Citations
1085	Mesoporous Co-CoO/N-CNR nanostructures as high-performance air cathode for lithium-oxygen batteries. Journal of Power Sources, 2017, 354, 48-56.	4.0	32
1086	The electrochemical selective reduction of NO using CoSe2@CNTs hybrid. Environmental Science and Pollution Research, 2017, 24, 14249-14258.	2.7	29
1087	Multiwalled carbon nanotube-supported CuCo₂S₄ as a heterogeneous Fenton-like catalyst with enhanced performance. RSC Advances, 2017, 7, 20724-20731.	1.7	24
1088	Scalable nanoparticle assembly on carbon nanotubes using flash-induced dewetting. Journal of Composite Materials, 2017, 51, 1299-1305.	1.2	0
1089	Environmental Conditions Influencing Sorption of Inorganic Anions to Multiwalled Carbon Nanotubes Studied by Column Chromatography. Environmental Science & Technology, 2017, 51, 4928-4935.	4.6	12
1090	Carbon Surface Modifications by Plasma for Catalyst Support and Electrode Materials Applications. Topics in Catalysis, 2017, 60, 823-830.	1.3	16
1091	Sonocatalytic degradation of organic pollutant by SnO 2 /MWCNT nanocomposite. Diamond and Related Materials, 2017, 76, 177-183.	1.8	27
1092	Encapsulation of methotrexate and cyclophosphamide in interpolymer complexes formed between poly acrylic acid and poly ethylene glycol on multi-walled carbon nanotubes as drug delivery systems. Materials Science and Engineering C, 2017, 79, 841-847.	3.8	39
1093	Wettability tailoring of nanotube carpets: morphology-chemistry synergy for hydrophobicâ€“hydrophilic cycling. RSC Advances, 2017, 7, 25265-25275.	1.7	28
1094	Synthesis and Characterization of Carbon Fiber Based Porous CNTs-RGO/BDD for Application as Microelectrodes. MRS Advances, 2017, 2, 2247-2252.	0.5	1
1095	Spark plasma sintering of graphitized multi-walled carbon nanotube reinforced Ti6Al4V. Materials and Design, 2017, 128, 119-129.	3.3	55
1096	A novel functionalization method for carbon nanotubes to repel ox-LDL in treatments after stent placement. Materials Science and Engineering C, 2017, 79, 30-36.	3.8	8
1097	pH-reversible destabilization-dispersion of MWCNTs coated with functional plasma polymer films in water. Plasma Processes and Polymers, 2017, 14, 1700026.	1.6	5
1098	Effect of growth temperature on the synthesis of carbon nanotube arrays and amorphous carbon for thermal applications. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600852.	0.8	20
1099	Hybrid carbon based nanomaterials for electrochemical detection of biomolecules. Progress in Materials Science, 2017, 88, 499-594.	16.0	137
1100	Carbon Nanotubes on Highly Interconnected Carbonized Cotton for Flexible and Lightâ€Weight Energy Storage. Advanced Sustainable Systems, 2017, 1, 1700022.	2.7	23
1101	Effects of heating time on the growth and behavior of amorphous carbon nanostructures from ferrocene. Materials Research Express, 2017, 4, 055601.	0.8	1
1102	Multiphase nanostructured PANI anchored @ CVD grown MWCNT on rGO coated nickel foam for binder free supercapacitor electrode. Electrochimica Acta, 2017, 242, 47-55.	2.6	14

#	Article	IF	Citations
1103	Fabrication and investigation of MnFe2O4/MWCNTs nanocomposite by hydrothermal technique and adsorption of cationic and anionic dyes. Applied Surface Science, 2017, 419, 70-83.	3.1	83
1104	Graphene oxide nanoribbons as nanomaterial for bone regeneration: Effects on cytotoxicity, gene expression and bactericidal effect. Materials Science and Engineering C, 2017, 78, 341-348.	3.8	42
1105	Tuning electric field aligned CNT architectures via chemistry, morphology, and sonication from micro to macroscopic scale. Nanoscale, 2017, 9, 6854-6865.	2.8	18
1106	Binary nanocomposite based on Co3O4 nanocubes and multiwalled carbon nanotubes as an ultrasensitive platform for amperometric determination of dopamine. Mikrochimica Acta, 2017, 184, 2739-2748.	2.5	42
1107	Enhanced photocathodic protection performance of Ag/graphene/TiO₂composite for 304SS under visible light. Nanotechnology, 2017, 28, 225701.	1.3	17
1108	Decoration of tricarboxylic and monocarboxylic aryl diazonium functionalized multi-wall carbon nanotubes with iron nanoparticles. Journal of Materials Science, 2017, 52, 9648-9660.	1.7	29
1109	Advances in carbon nanotubes as efficacious supports for palladium-catalysed carbonâ€“carbon cross-coupling reactions. Journal of Materials Science, 2017, 52, 9225-9248.	1.7	53
1110	Characteristics of hydrogen plasma treated carbon nanotubes and their influence on the mechanical properties of polyetherimide-based nanocomposites. Carbon, 2017, 118, 650-658.	5.4	8
1111	Ultrasound-promoted direct functionalization of multi-walled carbon nanotubes in water via Diels-Alder â€œclick chemistryâ€• Ultrasonics Sonochemistry, 2017, 39, 321-329.	3.8	38
1112	Diglycolamic acid-functionalized multiwalled carbon nanotubes as a highly efficient sorbent for f-block elements: experimental and theoretical investigations. New Journal of Chemistry, 2017, 41, 4531-4545.	1.4	22
1113	Cobaltâ€Based Active Species Molecularly Immobilized on Carbon Nanotubes for the Oxygen Reduction Reaction. ChemSusChem, 2017, 10, 3473-3481.	3.6	20
1114	Synergistic Suppression of Tumor Angiogenesis by the Co-delivering of Vascular Endothelial Growth Factor Targeted siRNA and Candesartan Mediated by Functionalized Carbon Nanovectors. ACS Applied Materials & Interfaces, 2017, 9, 23353-23369.	4.0	53
1115	Effect of surface functionalizations of multi-walled carbon nanotubes on neoplastic transformation potential in primary human lung epithelial cells. Nanotoxicology, 2017, 11, 613-624.	1.6	21
1116	Aging phenomena and wettability control of plasma deposited carbon nanowall layers. Plasma Processes and Polymers, 2017, 14, 1700023.	1.6	21
1117	Nanohybrid Catalyst based on Carbon Nanotube. Carbon Nanostructures, 2017, , .	0.1	13
1118	Facile preparation of water-soluble hyperbranched polyamine functionalized multiwalled carbon nanotubes for high-efficiency organic dye removal from aqueous solution. Scientific Reports, 2017, 7, 3611.	1.6	34
1119	Carbon nanoparticles of Chinese ink-wrapped natural loofah sponge: a low-cost three-dimensional electrode for high-performance microbial energy harvesting. Journal of Materials Chemistry A, 2017, 5, 14741-14747.	5.2	36
1120	High-performance method of carbon nanotubes modification by microwave plasma for thin composite films preparation. RSC Advances, 2017, 7, 31940-31949.	1.7	56

#	Article	IF	Citations
1121	3,5-Diamino-1,2,4-triazole@electrochemically reduced graphene oxide film modified electrode for the electrochemical determination of 4-nitrophenol. Electrochimica Acta, 2017, 246, 1131-1140.	2.6	49
1122	Synthesis, characterization and photoluminescence properties of tetra(aminophenyl) porphyrin covalently linked to multi-walled carbon nanotubes. Journal of Chemical Sciences, 2017, 129, 699-706.	0.7	19
1123	A precision-guided MWNT mediated reawakening the sunk synergy in RAS for anti-angiogenesis lung cancer therapy. Biomaterials, 2017, 139, 75-90.	5.7	40
1124	Polypropylene composites with finely dispersed multi-walled carbon nanotubes covered with an aluminum oxide shell. Polymer, 2017, 120, 164-175.	1.8	10
1125	Oxygen functionalization of MWCNTs in RF-dielectric barrier discharge Ar/O₂ plasma. Journal Physics D: Applied Physics, 2017, 50, 265301.	1.3	14
1126	A Flexible Electrode Based on Al-Doped Nickel Hydroxide Wrapped around a Carbon Nanotube Forest for Efficient Oxygen Evolution. ACS Catalysis, 2017, 7, 4786-4795.	5.5	31
1127	Fabrication and in vivo evaluation of hydroxyapatite/carbon nanotube electrospun fibers for biomedical/dental application. Materials Science and Engineering C, 2017, 80, 387-396.	3.8	56
1128	Morphology and growth of carbon nanotubes catalytically synthesised by premixed hydrocarbon-rich flames. Materials Chemistry and Physics, 2017, 197, 246-255.	2.0	24
1129	Rational Design and Synthesis of Extremely Efficient Macroporous CoSe₂-CNT Composite Microspheres for Hydrogen Evolution Reaction. Small, 2017, 13, 1700068.	5.2	116
1130	Versatile polyvinylidene fluoride hybrid ultrafiltration membranes with superior antifouling, antibacterial and self-cleaning properties for water treatment. Journal of Colloid and Interface Science, 2017, 505, 38-48.	5.0	46
1131	Pt-Decorated MWCNTsâ€"Ionic Liquid Composite-Based Hydrogen Peroxide Sensor To Study Microbial Metabolism Using Scanning Electrochemical Microscopy. Analytical Chemistry, 2017, 89, 7709-7718.	3.2	36
1132	Polypyrrole/carbon nanotube supercapacitors: Technological advances and challenges. Journal of Power Sources, 2017, 352, 174-186.	4.0	219
1133	Biotemplating pores with size and shape diversity for Li-oxygen Battery Cathodes. Scientific Reports, 2017, 7, 45919.	1.6	25
1134	Influence of chemical composition and amount of intermixed ionomer in the catalyst on the oxygen reduction reaction characteristics. Journal of Solid State Electrochemistry, 2017, 21, 2079-2090.	1.2	3
1135	Sustainable process for functional group introduction onto HOPG by exposing OH and 1O2 using a radical vapor reactor (RVR) without any chemical reagents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 328-334.	2.3	4
1136	Thermally rearranged mixed matrix membranes for CO2 separation: An aging study. International Journal of Greenhouse Gas Control, 2017, 61, 16-26.	2.3	45
1137	Simultaneous Co-Doping of Nitrogen and Fluorine into MWCNTs: An In-Situ Conversion to Graphene Like Sheets and Its Electro-Catalytic Activity toward Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2017, 164, F568-F576.	1.3	31
1138	Electroactive polymer/carbon nanotube hybrid materials for energy storage synthesized via a â€œgrafting toâ€•approach. RSC Advances, 2017, 7, 17301-17310.	1.7	30

#	Article	IF	Citations
1139	Functionalization of super-aligned carbon nanotube film using hydrogen peroxide solution and its application in copper electrodeposition. Journal of Colloid and Interface Science, 2017, 498, 405-412.	5.0	5
1140	Carbon-based cathode as an electron donor driving direct bioelectrochemical denitrification in biofilm-electrode reactors: RoleÂof oxygen functional groups. Carbon, 2017, 118, 310-318.	5.4	19
1141	Bifunctionality of the pyrone functional group in oxidized carbon nanotubes towards oxygen reduction reaction. Catalysis Science and Technology, 2017, 7, 1868-1879.	2.1	16
1142	Enhanced interlaminar fracture toughness of unidirectional carbon fiber/epoxy composites modified with sprayed multi-walled carbon nanotubes. Composite Interfaces, 2017, 24, 883-896.	1.3	42
1143	Coexistence of positive and negative photoconductivity in nickel oxide decorated multiwall carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 220, 22-29.	1.7	19
1144	Construction of blood compatible lysine-immobilized chitin/carbon nanotube microspheres and potential applications for blood purified therapy. Journal of Materials Chemistry B, 2017, 5, 2952-2963.	2.9	70
1145	High energy density supercapacitors composed of nickel cobalt oxide nanosheets on nanoporous carbon nanoarchitectures. Journal of Materials Chemistry A, 2017, 5, 11834-11839.	5.2	97
1146	Magnetite-Bridged Carbon Nanotubes/Graphene Sheets Three-Dimensional Network with Excellent Microwave Absorption. Journal of Electronic Materials, 2017, 46, 2097-2105.	1.0	14
1147	X-ray irradiation-induced structural changes on Single Wall Carbon Nanotubes. Radiation Physics and Chemistry, 2017, 140, 34-37.	1.4	9
1148	Electrochemical deposition of carbon nanotubes from CO₂in CaCl₂â€“NaCl-based melts. Journal of Materials Chemistry A, 2017, 5, 6219-6225.	5.2	45
1149	Tuning the wettability of carbon nanotube arrays for efficient bifunctional catalysts and Znâ€“air batteries. Journal of Materials Chemistry A, 2017, 5, 7103-7110.	5.2	62
1150	Evaluation of Alâ€based nanoparticleâ€impregnated sawdust as an adsorbent from byproduct for the removal of arsenic(V) from aqueous solutions. Environmental Progress and Sustainable Energy, 2017, 36, 1314-1322.	1.3	2
1151	In Vivo Fate of Carbon Nanotubes with Different Physicochemical Properties for Gene Delivery Applications. ACS Applied Materials & Interfaces, 2017, 9, 11461-11471.	4.0	37
1152	Development and in vitro evaluation of potential electromodulated transdermal drug delivery systems based on carbon nanotube buckypapers. Materials Science and Engineering C, 2017, 76, 431-438.	3.8	8
1153	Moldable elastomeric polyester-carbon nanotube scaffolds for cardiac tissue engineering. Acta Biomaterialia, 2017, 52, 81-91.	4.1	135
1154	Tensile properties and electrical conductivity of epoxy composite thin films containing zinc oxide quantum dots and multi-walled carbon nanotubes. Carbon, 2017, 115, 18-27.	5.4	47
1155	A Comparative Study of Functionalized Highâ€Purity Carbon Nanotubes towards the V(IV)/V(V) Redox Reaction Using Cyclic Voltammetry and Scanning Electrochemical Microscopy. Electroanalysis, 2017, 29, 1056-1061.	1.5	16
1156	Removal of Cr (VI) from aqueous solution using magnetic biochar synthesized by a single step method. Journal of Dispersion Science and Technology, 2017, 38, 1665-1674.	1.3	32

#	Article	IF	Citations
1157	30 years of advances in functionalization of carbon nanomaterials for biomedical applications: a practical review. Journal of Materials Research, 2017, 32, 107-127.	1.2	50
1158	Co-delivery of VP-16 and Bcl-2-targeted antisense on PEG-grafted oMWCNTs for synergistic in vitro anti-cancer effects in non-small and small cell lung cancer. Colloids and Surfaces B: Biointerfaces, 2017, 150, 131-140.	2.5	19
1159	Experimental investigation on the viscosity of Water-CNT and Antifreeze-CNT nanofluids. International Communications in Heat and Mass Transfer, 2017, 80, 47-59.	2.9	48
1160	Supported transition metal nanomaterials: Nanocomposites synthesized by ionizing radiation. Radiation Physics and Chemistry, 2017, 132, 52-64.	1.4	51
1161	Reduced graphene oxide: a metal-free catalyst for aerobic oxidative desulfurization. Green Chemistry, 2017, 19, 1175-1181.	4.6	134
1162	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
1163	A Facile and Efficient Method to Fabricate Highly Selective Nanocarbon Catalysts for Oxidative Dehydrogenation. ChemSusChem, 2017, 10, 353-358.	3.6	19
1164	A green and economical vapor-assisted ozone treatment process for surface functionalization of carbon nanotubes. Green Chemistry, 2017, 19, 1052-1062.	4.6	36
1165	Carbon nanoparticle-modified multi-wall carbon nanotubes with fast adsorption kinetics for water treatment. Nanotechnology, 2017, 28, 085703.	1.3	1
1166	Interfacial Reaction During High Energy Ball Milling Dispersion of Carbon Nanotubes into Ti6Al4V. Journal of Materials Engineering and Performance, 2017, 26, 6047-6056.	1.2	11
1167	Tremella-like N,O-codoped hierarchically porous carbon nanosheets as high-performance anode materials for high energy and ultrafast Na-ion capacitors. Nano Energy, 2017, 41, 285-292.	8.2	149
1168	Hierarchical self-entangled carbon nanotube tube networks. Nature Communications, 2017, 8, 1215.	5.8	120
1169	Preparation of hierarchical material by chemical grafting of carbon nanotubes onto carbon fibers. Diamond and Related Materials, 2017, 80, 118-124.	1.8	36
1170	Fluidized bed chemical vapor deposition of copper nanoparticles on multi-walled carbon nanotubes. Surface and Coatings Technology, 2017, 331, 129-136.	2.2	12
1171	Pt Immobilization within a Tailored Porous-Organic Polymerâ€“Graphene Composite: Opportunities in the Hydrogen Evolving Reaction. ACS Catalysis, 2017, 7, 7847-7854.	5.5	35
1172	Electrospinning Superhydrophobic and Antibacterial PS/MWNT Nanofibers onto Multilayer Gas Barrier Films. Macromolecular Symposia, 2017, 374, 1600138.	0.4	11
1173	Effect of sonication and hydrogen peroxide oxidation of carbon nanotube modifiers on the microstructure of pitch-derived activated carbon foam discs. Carbon, 2017, 124, 142-151.	5.4	24
1174	Simultaneous Electrochemical Speciation of Oxidized and Reduced Glutathione. Redox Profiling of Oxidative Stress in Biological Fluids with a Modified Carbon Electrode. Analytical Chemistry, 2017, 89, 10726-10733.	3.2	42

#	Article	IF	Citations
1175	Heteroaggregation of multiwalled carbon nanotubes and zinc sulfide nanoparticles. Carbon, 2017, 125, 480-491.	5.4	18
1176	Fabrication of piezoresistive based pressure sensor via purified and functionalized CNTs/PDMS nanocomposite: Toward development of haptic sensors. Sensors and Actuators A: Physical, 2017, 266, 158-165.	2.0	31
1177	Polyelectrolyte Nanocomposite Membranes with Imidazole-Functionalized Multi-Walled Carbon Nanotubes for Use in Fuel Cell Applications. Journal of Macromolecular Science - Physics, 2017, 56, 725-738.	0.4	9
1178	Improving the Alkene Selectivity of Nanocarbon-Catalyzed Oxidative Dehydrogenation of n-Butane by Refinement of Oxygen Species. ACS Catalysis, 2017, 7, 7305-7311.	5.5	28
1179	Carbon Nanotubes and Related Nanohybrids Incorporating Inorganic Transition Metal Compounds and Radioactive Species as Synthetic Scaffolds for Nanomedicine Design. , 2017, , 245-327.		9
1180	Nanosheet-structured NiCoO2/carbon nanotubes hybrid composite as a novel bifunctional oxygen electrocatalyst. Electrochimica Acta, 2017, 252, 338-349.	2.6	22
1181	Fabrication and mechanical properties of CNTs/Mg composites prepared by combining friction stir processing and ultrasonic assisted extrusion. Journal of Alloys and Compounds, 2017, 728, 282-288.	2.8	75
1182	A pyrene-modified cobalt salophen complex immobilized on multiwalled carbon nanotubes acting as a precursor for efficient electrocatalytic water oxidation. Dalton Transactions, 2017, 46, 13020-13026.	1.6	30
1183	Synthesis of copper particles covered with cobalt-catalyzed carbon nanofibers and their application to air-curable conductive paste. Japanese Journal of Applied Physics, 2017, 56, 07KD03.	0.8	3
1184	Rapid adsorption of Pb, Cu and Cd from aqueous solutions by Î²-cyclodextrin polymers. Applied Surface Science, 2017, 426, 29-39.	3.1	161
1185	Development of Frequency Based Taste Receptors Using Bioinspired Glucose Nanobiosensor. Scientific Reports, 2017, 7, 1623.	1.6	8
1186	Physicochemical characteristics of pristine and functionalized graphene. Journal of Applied Toxicology, 2017, 37, 1288-1296.	1.4	22
1187	Arsenic removal in aqueous solution by a novel Fe-Mn modified biochar composite: Characterization and mechanism. Ecotoxicology and Environmental Safety, 2017, 144, 514-521.	2.9	190
1188	Understanding the Effect of Functional Groups on the Seeded Growth of Copper on Carbon Nanotubes for Optimizing Electrical Transmission. ACS Applied Materials & Interfaces, 2017, 9, 27202-27212.	4.0	11
1189	In Vivo Toxicity Assessment of Occupational Components of the Carbon Nanotube Life Cycle To Provide Context to Potential Health Effects. ACS Nano, 2017, 11, 8849-8863.	7.3	44
1190	Improvement of modulus, strength and fracture toughness of CNT/Epoxy nanocomposites through the functionalization of carbon nanotubes. Composites Part B: Engineering, 2017, 129, 169-179.	5.9	194
1191	Cholic acid covalently bound to multi-walled carbon nanotubes: Improvements on dispersion stability. Materials Chemistry and Physics, 2017, 200, 331-341.	2.0	9
1192	Coating carbon nanotubes with humic acid using an eco-friendly mechanochemical method: Application for Cu(II) ions removal from water and aquatic ecotoxicity. Science of the Total Environment, 2017, 607-608, 1479-1486.	3.9	27

#	Article	IF	Citations
1193	Adsorption of organic contaminants by graphene nanosheets: A review. Water Research, 2017, 126, 385-398.	5.3	354
1194	Adsorption and desorption of curcumin by poly(vinyl) alcohol-multiwalled carbon nanotubes (PVA-MWCNT). Colloid and Polymer Science, 2017, 295, 1925-1936.	1.0	8
1195	The role of surface functionalities in fabricating supported Pd-P nanoparticles for efficient formic acid oxidation. Chemical Physics Letters, 2017, 686, 155-160.	1.2	9
1196	In-situ Adsorption of Polymer Particles on Multi-wall Carbon Nanotubes Using Colloidal Techniques. Colloids and Interface Science Communications, 2017, 20, 1-4.	2.0	8
1197	Enhanced cyclability using a polyindole modified cathode material for lithium sulphur batteries. Sustainable Energy and Fuels, 2017, 1, 1774-1781.	2.5	20
1198	High Specific Capacitance Based on N-Doped Microporous Carbon in [EMIm]Al_xCl_yIonic Liquid Electrolyte. Journal of the Electrochemical Society, 2017, 164, A3319-A3325.	1.3	10
1199	The synthesis of graphene-based antioxidants to promote anti-thermal properties of styrene-butadiene rubber. RSC Advances, 2017, 7, 53596-53603.	1.7	29
1200	Effect of Organic Nano Carboncapsule Incorporated Modified Clay on Fireâ€Retardancy of PMMA Nanocomposites. Journal of the Chinese Chemical Society, 2017, 64, 1399-1407.	0.8	6
1201	1D and 2D oxidized carbon nanomaterials on epoxy matrix: performance of composites over the same processing conditions. Materials Research Express, 2017, 4, 115604.	0.8	9
1202	CNTs based improved chlorine sensor from non-covalently anchored multi-walled carbon nanotubes with hexa-decafluorinated cobalt phthalocyanines. RSC Advances, 2017, 7, 49675-49683.	1.7	30
1203	Carbon nanotubes-based electrochemical (bio)sensors for biomarkers. Applied Materials Today, 2017, 9, 566-588.	2.3	75
1204	Binder-free MWCNT/TiO 2 multilayer nanocomposite as an efficient thin interfacial layer for photoanode of dye sensitized solar cell. Materials Science in Semiconductor Processing, 2017, 71, 20-28.	1.9	21
1205	A room temperature methanol vapor sensor based on highly conducting carboxylated multi-walled carbon nanotube/polyaniline nanotube composite. Sensors and Actuators B: Chemical, 2017, 253, 977-986.	4.0	39
1206	Different types of nitrogen species in nitrogen-doped carbon material: The formation mechanism and catalytic role on oxygen reduction reaction. Electrochimica Acta, 2017, 245, 957-966.	2.6	40
1207	Effect of functional groups on the properties of multiwalled carbon nanotubes/polyvinylidenefluoride composite membranes. Journal of Membrane Science, 2017, 541, 198-204.	4.1	35
1208	Influence of polyaniline/multiwalled carbon nanotube composites on alkyd coatings against the corrosion of carbon steel alloy. Corrosion Reviews, 2017, 35, 85-94.	1.0	30
1209	Soft-template carbonization approach of MOF-5 to mesoporous carbon nanospheres as excellent electrode materials for supercapacitor. Microporous and Mesoporous Materials, 2017, 253, 169-176.	2.2	69
1210	Biocompatible chitin/carbon nanotubes composite hydrogels as neuronal growth substrates. Carbohydrate Polymers, 2017, 174, 830-840.	5.1	108

#	Article	IF	Citations
1211	Production of hierarchical all graphitic structures: A systematic study. Journal of Colloid and Interface Science, 2017, 487, 444-457.	5.0	20
1212	Improving thermal conductivity and shear strength of carbon nanotubes/epoxy composites via thiolâ€ene click reaction. Journal of Applied Polymer Science, 2017, 134, .	1.3	10
1213	Interconnected ruthenium dioxide nanoparticles anchored on graphite oxide: Highly efficient candidate for solvent-free oxidative synthesis of imines. Journal of Industrial and Engineering Chemistry, 2017, 46, 279-288.	2.9	21
1214	Hydrogen Storage Behaviors by Adsorption on Multi-Walled Carbon Nanotubes. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 285-295.	1.9	24
1215	Preparation and characterization of high-performance wood polymer nanocomposites using multi-walled carbon nanotubes. Journal of Composite Materials, 2017, 51, 1187-1195.	1.2	11
1216	Electrodeposited Nanocomposite Films. Springer Series in Surface Sciences, 2017, , 289-310.	0.3	2
1217	Effects of carbon nanotubes on physicochemical properties and sulfamethoxazole adsorption of sediments with or without aging processes. Chemical Engineering Journal, 2017, 310, 317-327.	6.6	24
1218	Carbocatalysis in Liquidâ€Phase Reactions. Angewandte Chemie - International Edition, 2017, 56, 936-964.	7.2	209
1219	One-step synthesis of nitrogen-doped porous carbon for supercapacitors utilizing KNO3 as an electrolyte. Journal of Solid State Electrochemistry, 2017, 21, 171-181.	1.2	5
1220	The role of surface chemistry in the cytotoxicity profile of graphene. Journal of Applied Toxicology, 2017, 37, 462-470.	1.4	38
1221	Photocatalysis assisted simultaneous carbon oxidation and NOx reduction. Applied Catalysis B: Environmental, 2017, 202, 381-387.	10.8	21
1222	Unconventional Computing Realized with Hybrid Materials Exhibiting the PhotoElectrochemical Photocurrent Switching (PEPS) Effect. Emergence, Complexity and Computation, 2017, , 429-467.	0.2	5
1223	Highly durable and active Co3O4 nanocrystals supported on carbon nanotubes as bifunctional electrocatalysts in alkaline media. Applied Catalysis B: Environmental, 2017, 203, 138-145.	10.8	75
1224	Structure, morphology, thermal, and electro-magnetic shielding properties of polystyrene microsphere/polyaniline/multi-walled carbon nanotube nanocomposite. Journal of Plastic Film and Sheeting, 2017, 33, 262-289.	1.3	16
1225	Nitric acid oxidation of electrospun carbon nanofibers as supercapacitor electrodes. Textile Reseach Journal, 2017, 87, 2337-2348.	1.1	19
1226	Electrodeposition of Nanostructured Materials. Springer Series in Surface Sciences, 2017, , .	0.3	29
1227	The potential ecological risk of multiwall carbon nanotubes was modified by the radicals resulted from peroxidase-mediated tetrabromobisphenol A reactions. Environmental Pollution, 2017, 220, 264-273.	3.7	6
1228	Mechanical properties, wear behavior and crystallographic texture of Alâ€“multiwalled carbon nanotube composites developed by powder metallurgy route. Journal of Composite Materials, 2017, 51, 1099-1117.	1.2	19

#	Article	IF	Citations
1229	Gold nanoparticles supported on multi-walled carbon nanotubes produced by biphasic modified method and dopamine sensing application. Sensors and Actuators B: Chemical, 2017, 243, 43-50.	4.0	68
1230	Investigation and modification of carbon buckypaper as an electrocatalyst support for oxygen reduction. Journal of Applied Electrochemistry, 2017, 47, 105-115.	1.5	4
1231	Mechanical, electrical, and melt flow properties of polyurethane elastomer/surface-modified carbon nanotube composites. Journal of Composite Materials, 2017, 51, 1987-1996.	1.2	20
1232	Dehydration of D-xylose to furfural using acid-functionalized MWCNTs catalysts. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 035006.	0.7	11
1233	Selective detection of dopamine and ascorbic acid at purified carbon nanotubes/Tween-20 modified carbon paste electrode. Materials Today: Proceedings, 2017, 4, 11991-11998.	0.9	5
1234	Immobilization of Thermomyces lanuginosus lipase on multi-walled carbon nanotubes and its application in the hydrolysis of fish oil. Materials Research Express, 2017, 4, 125402.	0.8	14
1235	Synthesis and modification of carbon nanohorns structure for hyperthermic application. Journal of Structural Chemistry, 2017, 58, 1205-1212.	0.3	9
1236	Functionalization of multiwalled carbon nanotubes by microwave irradiation for lysozyme attachment: comparison of covalent and adsorption methods by kinetics of thermal inactivation. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 045011.	0.7	13
1237	MWCNT Coated Free-Standing Carbon Fiber Fabric for Enhanced Performance in EMI Shielding with a Higher Absolute EMI SE. Materials, 2017, 10, 1350.	1.3	30
1238	Multiple Characterization for Mechanistic Insights of Pb(II) Sorption onto Biochars Derived from Herbaceous Plant, Biosolid, and Livestock Waste. BioResources, 2017, 12, .	0.5	5
1239	Activated Carbon, Carbon Nanotubes and Graphene: Materials and Composites for Advanced Water Purification. Journal of Carbon Research, 2017, 3, 18.	1.4	128
1240	Ice as a Green-Structure-Directing Agent in the Synthesis of Macroporous MWCNTs and Chondroitin Sulphate Composites. Materials, 2017, 10, 355.	1.3	5
1241	Nanotechnology for water purification: applications of nanotechnology methods in wastewater treatment. , 2017, , 33-74.		119
1242	Fabrication and Water Treatment Application of Carbon Nanotubes (CNTs)-Based Composite Membranes: A Review. Membranes, 2017, 7, 16.	1.4	171
1243	Morphology, Microstructure, and Hydrogen Content of Carbon Nanostructures Obtained by PECVD at Various Temperatures. Journal of Nanomaterials, 2017, 2017, 1-8.	1.5	14
1244	Buffer Film Assisted Growth of Dense MWCNTs on Copper Foils for Flexible Electrochemical Applications. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	1
1245	Growth of MWCNTs on Flexible Stainless Steels without Additional Catalysts. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	9
1246	Impact on CO2 Uptake of MWCNT after Acid Treatment Study. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	13

#	Article	IF	Citations
1247	Density functional theory study the effects of oxygen-containing functional groups on oxygen molecules and oxygen atoms adsorbed on carbonaceous materials. PLoS ONE, 2017, 12, e0173864.	1.1	27
1248	Removal of hexavalent chromium upon interaction with biochar under acidic conditions: mechanistic insights and application. Environmental Science and Pollution Research, 2017, 24, 16786-16797.	2.7	105
1249	The Growth of Carbon Nanotubes via Chemical Vapor Deposition Method; its Purification and Functionalization. Indian Journal of Science and Technology, 2017, 10, 1-8.	0.5	2
1250	Microstructure and ablative properties of Si-SiC coating prepared by spark plasma sintering. Ceramics International, 2018, 44, 8403-8408.	2.3	23
1251	Development and application of a digestion-Raman analysis approach for studying multiwall carbon nanotube uptake in lettuce. Environmental Science: Nano, 2018, 5, 659-668.	2.2	17
1252	Structural and surface modification of carbon nanotubes for enhanced hydrogen storage density. Nano Structures Nano Objects, 2018, 14, 57-65.	1.9	50
1253	The electrocatalytic characterization and mechanism of carbon nanotubes with different numbers of walls for the VO₂⁺/VO²⁺ redox couple. Physical Chemistry Chemical Physics, 2018, 20, 7791-7797.	1.3	9
1254	Peptide Probe for Multiwalled Carbon Nanotubes: Electrophoretic Assessment of the Binding Interface and Evaluation of Surface Functionalization. ACS Applied Materials & Interfaces, 2018, 10, 11311-11318.	4.0	9
1255	Plasma functionalization of powdery nanomaterials using porous filter electrode and sample circulation. Applied Surface Science, 2018, 443, 628-634.	3.1	10
1256	Fabrication and characterization of polysulfone/modified nanocarbon black composite antifouling ultrafiltration membranes. Journal of Membrane Science, 2018, 554, 71-82.	4.1	75
1257	Direct dehydrogenation of propane to propylene on surface-oxidized multiwall carbon nanotubes. Applied Catalysis A: General, 2018, 559, 85-93.	2.2	39
1258	N-doped graphene-carbon nanotube hybrid networks attaching with gold nanoparticles for glucose non-enzymatic sensor. Materials Science and Engineering C, 2018, 90, 38-45.	3.8	59
1259	Directionally assembled MoS₂with significantly expanded interlayer spacing: a superior anode material for high-rate lithium-ion batteries. Materials Chemistry Frontiers, 2018, 2, 1441-1448.	3.2	12
1260	Câ€“O^{â^'}â€“K⁺ (Na⁺) groups in non-doped carbon as active sites for the oxygen reduction reaction. Journal of Materials Chemistry A, 2018, 6, 8955-8961.	5.2	28
1261	Direct growth of mesoporous Carbon on aluminum foil for supercapacitors devices. Journal of Materials Science: Materials in Electronics, 2018, 29, 10573-10582.	1.1	20
1262	A super-hydrophobic and electrically conductive nanofibrous membrane for a chemical vapor sensor. Journal of Materials Chemistry A, 2018, 6, 10036-10047.	5.2	39
1263	Electrochemical Performance of Lithium Ion Battery Anode Using Phosphorus Encapsulated into Nanoporous Carbon Nanotubes. Journal of the Electrochemical Society, 2018, 165, A1231-A1237.	1.3	8
1264	Ï€â€<scp>P</scp>lasmon absorbance films of carboxylic functionalized <scp>CNT</scp>s coupled with renewable <scp>PGP</scp> platforms. Polymers for Advanced Technologies, 2018, 29, 1861-1869.	1.6	5

#	Article	IF	Citations
1265	Synergistic electrocatalytic oxygen reduction reactions of Pd/B4C for ultra-stable Zn-air batteries. Energy Storage Materials, 2018, 15, 226-233.	9.5	45
1266	Controllable synthesizing DLC nano structures as a super hydrophobic layer on cotton fabric using a low-cost ethanol electrospray-assisted atmospheric plasma jet. Nanotechnology, 2018, 29, 265603.	1.3	24
1267	Exploring the size effects of Al4C3 on the mechanical properties and thermal behaviors of Al-based composites reinforced by SiC and carbon nanotubes. Carbon, 2018, 135, 224-235.	5.4	147
1268	Yttrium-doped hematite photoanodes for solar water splitting: Photoelectrochemical and electronic properties. Ceramics International, 2018, 44, 13218-13225.	2.3	19
1269	Oxidized Laserâ€Induced Graphene for Efficient Oxygen Electrocatalysis. Advanced Materials, 2018, 30, e1707319.	11.1	94
1270	Copperâ€Functionalized Metalâ€“Organic Framework as Catalyst for Oxidantâ€Controlled Partial Oxidation of Cyclohexene. European Journal of Inorganic Chemistry, 2018, 2018, 703-712.	1.0	17
1271	Capillary electrophoresis analysis of affinity to assess carboxylation of multi-walled carbon nanotubes. Analytica Chimica Acta, 2018, 1027, 149-157.	2.6	9
1272	Amino-functionalized multi-walled carbon nanotubes for removal of cesium from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2018, 316, 691-701.	0.7	11
1273	High-performing multi-walled carbon nanotubes/silica nanocomposites for elastomer application. Composites Science and Technology, 2018, 162, 23-32.	3.8	45
1274	Ultrasound-promoted green synthesis of 1,4-dihydropyridines using fuctionalized MWCNTs as a highly efficient heterogeneous catalyst. Green Chemistry Letters and Reviews, 2018, 11, 197-208.	2.1	38
1275	Electrically conductive polymer nanofiber composite with an ultralow percolation threshold for chemical vapour sensing. Composites Science and Technology, 2018, 161, 135-142.	3.8	43
1276	Impact of surfactant and clay platelets on electrokinetic potential and size distribution in carbon nanotubes aqueous suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 544, 205-212.	2.3	12
1277	Fabrication and characterization of hollow nanofibrous PA6 yarn reinforced with CNTs. Journal of Polymer Research, 2018, 25, 1.	1.2	16
1278	Lead ions removal from aqueous solution using modified carbon nanotubes. Bulletin of Materials Science, 2018, 41, 1.	0.8	10
1279	Graphene sheets produced by carbon nanotubes unzipping and their performance as supercapacitor. Applied Surface Science, 2018, 446, 201-208.	3.1	49
1280	Towards highly stable lithium sulfur batteries: Surface functionalization of carbon nanotube scaffolds. Carbon, 2018, 131, 175-183.	5.4	47
1281	Large-scale fabrication of SnO2/Î±-CNTs heterostructure. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 76-79.	1.0	2
1282	Integrated Flexible Electrode for Oxygen Evolution Reaction: Layered Double Hydroxide Coupled with Single-Walled Carbon Nanotubes Film. ACS Sustainable Chemistry and Engineering, 2018, 6, 2911-2915.	3.2	41

#	Article	IF	Citations
1283	From the inside-out: leached metal impurities in multiwall carbon nanotubes for purification or electrocatalysis. Journal of Materials Chemistry A, 2018, 6, 4686-4694.	5.2	23
1284	Recent progress and perspectives of bifunctional oxygen reduction/evolution catalyst development for regenerative anion exchange membrane fuel cells. Nano Energy, 2018, 47, 172-198.	8.2	134
1285	Magnetic properties of aligned iron containing nitrogen-doped multi-walled carbon nanotubes. Materials Chemistry and Physics, 2018, 209, 280-290.	2.0	8
1286	Surface modified multiâ€walled carbon nanotubes and <scp>Nafion</scp> nanocomposite membranes for use in fuel cell applications. Polymers for Advanced Technologies, 2018, 29, 1219-1226.	1.6	26
1287	Efficient adsorption of lead (II) and copper (II) from aqueous phase using oxidized multiwalled carbon nanotubes/polypyrrole composite. Separation Science and Technology, 2018, 53, 1498-1510.	1.3	57
1288	Optimization of the Synthesis of Superhydrophobic Carbon Nanomaterials by Chemical Vapor Deposition. Scientific Reports, 2018, 8, 2778.	1.6	61
1290	An efficient method to prepare magnetic hydroxyapatiteâ€“functionalized multi-walled carbon nanotubes nanocomposite for bone defects. Materials Science and Engineering C, 2018, 86, 95-102.	3.8	17
1291	Tunable Bifunctional Activity of Mn_xCo_{3â^'x}O₄ Nanocrystals Decorated on Carbon Nanotubes for Oxygen Electrocatalysis. ChemSusChem, 2018, 11, 1295-1304.	3.6	50
1292	Specific Oxygenated Groups Enriched Graphene Quantum Dots as Highly Efficient Enzyme Mimics. Small, 2018, 14, e1703710.	5.2	92
1293	Engineered Carbon Nanotubes: Review on the Role of Surface Chemistry, Mechanistic Features, and Toxicology in the Adsorptive Removal of Aquatic Pollutants.. ChemistrySelect, 2018, 3, 1040-1055.	0.7	5
1294	Molecular Dynamics Study on the Thermal Conductivity of the End-grafted Carbon Nanotubes Filled Polyamide-6.6 Nanocomposites. Journal of Physical Chemistry C, 2018, 122, 1412-1421.	1.5	26
1295	Castanea mollissima shell-derived porous carbons as metal-free catalysts for highly efficient dehydrogenation of propane to propylene. Catalysis Today, 2018, 316, 214-222.	2.2	36
1296	Self-nitrogen-doped porous biochar derived from kapok (Ceiba insignis) fibers: Effect of pyrolysis temperature and high electrochemical performance. Journal of Materials Science and Technology, 2018, 34, 1959-1968.	5.6	46
1297	Comparative study of the modification of multi-wall carbon nanotubes by gamma irradiation and sonochemically assisted acid etching. Materials Chemistry and Physics, 2018, 207, 23-29.	2.0	21
1298	High-efficiency oxygen reduction to hydrogen peroxide catalysed by oxidized carbon materials. Nature Catalysis, 2018, 1, 156-162.	16.1	1,120
1299	In-situ determination of amine/epoxy and carboxylic/epoxy exothermic heat of reaction on surface of modified carbon nanotubes and structural verification of covalent bond formation. Applied Surface Science, 2018, 436, 495-504.	3.1	18
1300	Ameliorated mechanical and thermal properties of SiC reinforced Al matrix composites through hybridizing carbon nanotubes. Materials Characterization, 2018, 136, 272-280.	1.9	51
1301	Gas-Phase Functionalization of Macroscopic Carbon Nanotube Fiber Assemblies: Reaction Control, Electrochemical Properties, and Use for Flexible Supercapacitors. ACS Applied Materials & Interfaces, 2018, 10, 5760-5770.	4.0	53

#	Article	IF	Citations
1302	Steamed cake-derived 3D carbon foam with surface anchored carbon nanoparticles as freestanding anodes for high-performance microbial fuel cells. Science of the Total Environment, 2018, 636, 1081-1088.	3.9	33
1303	Combined effect of oxidative treatment and residual alcohol on the mechanics of a multiwalled carbon nanotube laden interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 551, 42-49.	2.3	2
1304	Oxidation and stability of multi-walled carbon nanotubes in hydrogen peroxide solution. Materials Chemistry and Physics, 2018, 214, 472-481.	2.0	14
1305	3-dimensional interconnected framework of N-doped porous carbon based on sugarcane bagasse for application in supercapacitors and lithium ion batteries. Journal of Power Sources, 2018, 390, 186-196.	4.0	94
1306	Understanding the Origin of Formation and Active Sites for Thiomolybdate [Mo₃S₁₃]^{2â€“} Clusters as Hydrogen Evolution Catalyst through the Selective Control of Sulfur Atoms. ACS Catalysis, 2018, 8, 5221-5227.	5.5	56
1307	Inverse precipitation synthesis of ZrO2 nanopowder and in-situ coating on MWCNTs. Ceramics International, 2018, 44, 13556-13564.	2.3	5
1308	Adsorption of CO2 by hierarchical structures of f-MWCNTs@Zn/Co-ZIF and N-MWCNTs@Zn/Co-ZIF prepared through in situ growth of ZIFs in CNTs. Surfaces and Interfaces, 2018, 12, 20-25.	1.5	14
1309	Synthesis and Characterization of High Yield Multiwalled Carbon Nanotubes by Ternary Catalyst. Materials Today: Proceedings, 2018, 5, 3432-3437.	0.9	10
1310	Magnetic carbon nanotubes for self-regulating temperature hyperthermia. RSC Advances, 2018, 8, 11997-12003.	1.7	24
1311	Photoactive multi-walled carbon nanotubes: synthesis and utilization of benzoin functional MWCNTs. Journal of Materials Science, 2018, 53, 9598-9610.	1.7	6
1312	Effect of acid-treated multi-walled carbon nanotubes on thermo-oxidative stability and degradation behavior of silicone rubber. Journal of Thermal Analysis and Calorimetry, 2018, 133, 1353-1364.	2.0	9
1313	Simultaneous electrochemical sensing of sulphite and nitrite on acid-functionalized multi-walled carbon nanotubes modified electrodes. Journal of Alloys and Compounds, 2018, 749, 990-999.	2.8	31
1314	Role of the Carbon Support on the Oxygen Reduction and Evolution Activities in LaNiO₃ Composite Electrodes in Alkaline Solution. ACS Applied Energy Materials, 2018, 1, 1549-1558.	2.5	40
1315	Carbon nanotube-supported catalysts prepared by a modified photo-Fenton process for Fischerâ€“Tropsch synthesis. Journal of Catalysis, 2018, 361, 278-289.	3.1	32
1316	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
1317	Response to Comment on â€œRedox-Active Oxygen-Containing Functional Groups in Activated Carbon Facilitate Microbial Reduction of Ferrihydriteâ€• Environmental Science & Technology, 2018, 52, 4487-4488.	4.6	1
1318	Use of Gold Nanoparticles Protected with Isonicotinic Acid and Tris(2-Aminoethyl)amine for Manufacturing Colloidal Films and Composites with Carbon and Oxide Materials. Russian Journal of Inorganic Chemistry, 2018, 63, 229-238.	0.3	1
1319	Carbon nanomaterials coatings â€“ Properties and influence on nerve cells response. Diamond and Related Materials, 2018, 84, 127-140.	1.8	14

#	Article	IF	Citations
1320	Remarkably enhanced H2 evolution activity of oxidized graphitic carbon nitride by an extremely facile K2CO3-activation approach. Applied Catalysis B: Environmental, 2018, 232, 322-329.	10.8	61
1321	Improved mechanical properties of carbon ï¬ber reinforced PTFE composites by growing graphene oxide on carbon ï¬ber surface. Composite Interfaces, 2018, 25, 995-1004.	1.3	29
1322	High-temperature-treated multiwall carbon nanotubes for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2018, 43, 6526-6531.	3.8	21
1323	Negative to positive magnetoresistance transition in functionalization of carbon nanotube and polyaniline composite. Materials Research Express, 2018, 5, 035034.	0.8	7
1324	Effects of POSS functionalization of carbon nanotubes on microstructure and thermomechanical behavior of carbon nanotube/polymer nanocomposites. Journal of Materials Science, 2018, 53, 8963-8977.	1.7	19
1325	In situ growth of iron-nickel nitrides on carbon nanotubes with enhanced stability and activity for oxygen evolution reaction. Electrochimica Acta, 2018, 267, 8-14.	2.6	45
1326	Preparation of hydroxyl and (3â€aminopropyl)triethoxysilane functionalized multiwall carbon nanotubes for use as conductive fillers in the polyurethane composite. Polymer Composites, 2018, 39, 1212-1222.	2.3	19
1327	Morphology and properties of polyimide/multi-walled carbon nanotubes composite aerogels. High Performance Polymers, 2018, 30, 292-302.	0.8	11
1328	Porous nano-cerium oxide wood chip biochar composites for aqueous levofloxacin removal and sorption mechanism insights. Environmental Science and Pollution Research, 2018, 25, 25629-25637.	2.7	28
1329	Facile fabrication of <scp>PVA</scp> composite fibers with high fraction of multiwalled carbon nanotubes by gel spinning. Polymer Engineering and Science, 2018, 58, 37-45.	1.5	20
1330	From lab-scale film preparation to up- scale spinning fibre manufacturing of multiwall carbon nanotube/poly ethylene terephthalate composites. Journal of Industrial Textiles, 2018, 47, 1241-1260.	1.1	4
1331	A study on the fabrication of plasticized polystyrene-carbon nanotube nanocomposites for foaming. Journal of Cellular Plastics, 2018, 54, 445-462.	1.2	3
1332	Recent advances in bioactive 1D and 2D carbon nanomaterials for biomedical applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2433-2454.	1.7	104
1333	Investigation on the pHâ€independent photoluminescence emission from carbon dots impregnated on polymer matrix. Luminescence, 2018, 33, 22-28.	1.5	16
1334	Detecting structural orientation in isoprene rubber/multiwall carbon nanotube nanocomposites at different scales during uniaxial deformation. Polymer International, 2018, 67, 258-268.	1.6	14
1335	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
1336	Systematic optimization of MWCNT-PEDOT:PSS composite electrodes for organic transistors and dye-sensitized solar cells: Effects of MWCNT diameter and purity. Organic Electronics, 2018, 52, 7-16.	1.4	12
1337	Accelerated formation of nanocarbons in solution plasma using benzene substituted with CF₃ group. Japanese Journal of Applied Physics, 2018, 57, 0102B6.	0.8	0

#	Article	IF	Citations
1338	Feâ€“N co-decorated hierarchically porous graphene as a highly efficient electrocatalyst for the oxygen reduction reaction. Sustainable Energy and Fuels, 2018, 2, 169-174.	2.5	14
1339	Effect of doping functionalized MWCNTs on the electrochemical performances of Li2CoSiO4 for lithium-ion batteries. Ionics, 2018, 24, 1339-1347.	1.2	11
1340	Adsorption of Cu(II) and Cd(II) from aqueous solutions by ferromanganese binary oxideâ€“biochar composites. Science of the Total Environment, 2018, 615, 115-122.	3.9	281
1341	Electrochemical properties of multicomponent oxide and selenide microspheres containing Co and Mo components with several tens of vacant nanorooms synthesized by spray pyrolysis. Chemical Engineering Journal, 2018, 333, 665-677.	6.6	30
1342	Nitrogen and sulfur co-doped graphene nanoribbons: A novel metal-free catalyst for high performance electrochemical detection of 2, 4, 6-trinitrotoluene (TNT). Carbon, 2018, 126, 328-337.	5.4	79
1343	Largeâ€scale oxidation of multiâ€walled carbon nanotubes in fluidized bed from ozoneâ€containing gas mixtures. Canadian Journal of Chemical Engineering, 2018, 96, 688-695.	0.9	1
1344	Hyperthermal Effect of Infrared Irradiation on Aqueous Dispersion of Carbon Nanotubes and Their Penetration Into Drosophila melanogaster Larvae. Physica Status Solidi (B): Basic Research, 2018, 255, 1700264.	0.7	3
1345	Electrochemiluminescent quaternary Cu-Zn-In-S nanocrystals as a sensing platform: Enzyme-free and sensitive detection of the FLT3 gene based on triple signal amplification. Biosensors and Bioelectronics, 2018, 100, 445-452.	5.3	18
1346	Fluorine-doped carbon nanotubes as an efficient metal-free catalyst for destruction of organic pollutants in catalytic ozonation. Chemosphere, 2018, 190, 135-143.	4.2	75
1347	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
1348	Comparative performances of a bare graphite-polyurethane composite electrode unmodified and modified with graphene and carbon nanotubes in the electrochemical determination of escitalopram. Talanta, 2018, 178, 1024-1032.	2.9	31
1349	Electrical conductivity and electromagnetic interference shielding of epoxy nanocomposite foams containing functionalized multi-wall carbon nanotubes. Applied Surface Science, 2018, 428, 7-16.	3.1	85
1350	Stretchable and insulating characteristics of chemically bonded graphene and carbon nanotube composite materials. Journal of Materials Science, 2018, 53, 1148-1156.	1.7	2
1351	Ultrasonic synthesis and characterization of poly(acrylamide)-co-poly(vinylimidazole)@MWCNTs composite for use as an electrochemical material. Ultrasonics Sonochemistry, 2018, 43, 73-79.	3.8	12
1352	Macroscale porous carbonized polydopamine-modified cotton textile for application as electrode in microbial fuel cells. Journal of Power Sources, 2018, 376, 33-40.	4.0	57
1353	Microwave Synthesized In₂S₃@CNTs with Excellent Properties inLithiumâ€Ion Battery and Electromagnetic Wave Absorption. Chinese Journal of Chemistry, 2018, 36, 157-161.	2.6	20
1354	Nanoparticles of Ce, Sr, Co in and out the multi-walled carbon nanotubes applied for dry reforming of methane. Applied Catalysis A: General, 2018, 550, 297-307.	2.2	41
1355	All-solid state symmetric supercapacitors based on compressible and flexible free-standing 3D carbon nanotubes (CNTs)/poly(3,4-ethylenedioxythiophene) (PEDOT) sponge electrodes. Journal of Power Sources, 2018, 376, 138-146.	4.0	94

#	Article	IF	Citations
1356	Multi-layer graphene assembled fibers with porous structure as anode materials for highly reversible lithium and sodium storage. Electrochimica Acta, 2018, 259, 702-710.	2.6	8
1357	Sorptive removal of phenolic endocrine disruptors by functionalized biochar: Competitive interaction mechanism, removal efficacy and application in wastewater. Chemical Engineering Journal, 2018, 335, 801-811.	6.6	108
1358	Detection of neurochemicals with enhanced sensitivity and selectivity via hybrid multiwall carbon nanotube-ultrananocrystalline diamond microelectrodes. Sensors and Actuators B: Chemical, 2018, 258, 193-203.	4.0	30
1359	Nanomaterials for removal of toxic elements from water. Coordination Chemistry Reviews, 2018, 356, 147-164.	9.5	362
1360	Preparation and characterization of xanthan gum-cl-poly(acrylic acid)/o-MWCNTs hydrogel nanocomposite as highly effective re-usable adsorbent for removal of methylene blue from aqueous solutions. Journal of Colloid and Interface Science, 2018, 513, 700-714.	5.0	154
1361	Ultrasensitive electrochemical immunosensor for quantitative detection of HBeAg using Au@Pd/MoS2@MWCNTs nanocomposite as enzyme-mimetic labels. Biosensors and Bioelectronics, 2018, 102, 189-195.	5.3	70
1362	New synthetic method for the synthesis of 1,4-dihydropyridine using aminated multiwalled carbon nanotubes as high efficient catalyst and investigation of their antimicrobial properties. Journal of Saudi Chemical Society, 2018, 22, 876-885.	2.4	44
1363	Non-covalently anchored multi-walled carbon nanotubes with hexa-decafluorinated zinc phthalocyanine as ppb level chemiresistive chlorine sensor. Applied Surface Science, 2018, 427, 202-209.	3.1	36
1364	Carbon nanotubes/carbon fiber hybrid material: a super support material for sludge biofilms. Environmental Technology (United Kingdom), 2018, 39, 2105-2116.	1.2	6
1365	Oxidative Functionalization of Asphaltenes from Heavy Crude Oil. Russian Journal of Applied Chemistry, 2018, 91, 1835-1840.	0.1	19
1366	Sensing properties of SnO₂-MWCNTs nanocomposites towards H₂. Molecular Crystals and Liquid Crystals, 2018, 674, 48-58.	0.4	9
1367	Controlling the Surface Oxygen Groups of Polyacrylonitrile-Based Carbon Nanofiber Membranes While Limiting Fiber Degradation. Journal of Carbon Research, 2018, 4, 40.	1.4	8
1368	Ultrasonic Synthesis of Polysodium-4-styrene Sulfonate coated Functionalized MWCNTs for Electrochemical Detection of Anti-Oxidant Drug in Red Wine. International Journal of Electrochemical Science, 2018, 13, 9441-9451.	0.5	1
1369	Propriedades mecÃ¢nicas e tÃ©rmicas das blendas e nanocompÃ³sitos de UHMWPE/LLDPE/CNT para aplicaÃ§Ã£o balÃstica. Revista Materia, 2018, 23, .	0.1	0
1370	Ultrafine bimetallic phosphide nanoparticles embedded in carbon nanosheets: two-dimensional metalâ€“organic framework-derived non-noble electrocatalysts for the highly efficient oxygen evolution reaction. Nanoscale, 2018, 10, 19774-19780.	2.8	31
1371	Recent Progress on Electrochemical Capacitors Based on Carbon Nanotubes. , 0, , .		6
1372	Layer-By-Layer Assembly of Enzymes and Nanoparticles onto Cellulose Support. Journal of Biosensors & Bioelectronics, 2018, 09, .	0.4	0
1373	Effect of milling parameters on the dispersion characteristics of multi-walled carbon nanotubes in transition metal oxides. IOP Conference Series: Materials Science and Engineering, 2018, 430, 012002.	0.3	5

#	Article	IF	Citations
1374	10. Sorbents Based on Carbon Nanotubes. , 2018, , 343-388.		1
1375	Treatment of graphene films in the early and late afterglows of N₂ plasmas: comparison of the defect generation and N-incorporation dynamics. Plasma Sources Science and Technology, 2018, 27, 124004.	1.3	11
1376	Realizing an Asymmetric Supercapacitor Employing Carbon Nanotubes Anchored to Mn₃O₄ Cathode and Fe₃O₄ Anode. ACS Applied Materials & Interfaces, 2018, 10, 42484-42493.	4.0	57
1377	Modification of Carbon Nanotubes via Birch Reaction for Enhanced HER Catalyst by Constructing Pearl Necklaceâ€Like NiCo₂P₂â€“CNT Composite. Small, 2018, 14, e1804388.	5.2	15
1378	Effect of thermal pre-treatment on thermionic emission current stability from carbon nanotube forests. , 2018, , .		0
1379	Facile, Scalable, Eco-Friendly Fabrication of High-Performance Flexible All-Solid-State Supercapacitors. Polymers, 2018, 10, 1247.	2.0	32
1380	A better understanding of CNTs chemical purification and functionalization processes. , 2018, , .		3
1381	Electric Field Effects on Self-Organization Processes during Droplet Evaporation of Multiwall Carbon Nanotube Aqueous Suspension. Materials Science Forum, 0, 936, 25-30.	0.3	0
1382	Sulfonitric Treatment of Multiwalled Carbon Nanotubes and Their Dispersibility in Water. Materials, 2018, 11, 2442.	1.3	19
1383	Interactions of Functionalized Multi-Wall Carbon Nanotubes with Giant Phospholipid Vesicles as Model Cellular Membrane System. Scientific Reports, 2018, 8, 17998.	1.6	22
1384	Design of functionalized-ZnNP decorated fMWCNT-IL composite CPE: An ideal electrode material for enhanced electrocatalytic determination of pymetrozine. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 238-239, 83-92.	1.7	9
1385	Acid Free Oxidation and Simple Dispersion Method of MWCNT for High-Performance CFRP. Nanomaterials, 2018, 8, 912.	1.9	29
1386	Functionalized carbon nanotubes for adsorptive removal of water pollutants. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 236-237, 61-69.	1.7	14
1387	Composite Carbon Nanotube Microsphere Coatings for Use as Electrode Supports. Advanced Functional Materials, 2018, 28, 1803713.	7.8	14
1388	High-yield scalable graphene nanosheet production from compressed graphite using electrochemical exfoliation. Scientific Reports, 2018, 8, 14525.	1.6	146
1389	A review on Ñhemiresistive gas sensors based on carbon nanotubes: Device and technology transformation. Sensors and Actuators A: Physical, 2018, 283, 174-186.	2.0	79
1390	Synthesis of carbon nanotube on stainless steel microfibrous compositeâ€”Comparison of direct and indirect growth and its application in fixed bed m-cresol adsorption. Chemical Engineering Research and Design, 2018, 139, 162-173.	2.7	23
1391	A critical review of the occurrence of perfluoroalkyl acids in aqueous environments and their removal by adsorption onto carbon nanotubes. Reviews in Environmental Science and Biotechnology, 2018, 17, 603-635.	3.9	22

#	Article	IF	Citations
1393	Electromagnetic Shielding by MXene-Graphene-PVDF Composite with Hydrophobic, Lightweight and Flexible Graphene Coated Fabric. Materials, 2018, 11, 1803.	1.3	80
1394	Engineering the Interface of Carbon Electrocatalysts at the Triple Point for Enhanced Oxygen Reduction Reaction. Chemistry - A European Journal, 2018, 24, 18374-18384.	1.7	45
1395	Nitrogen-rich Porous Carbon Derived from Biomass as High Performance Electrode Materials for Supercapacitors. International Journal of Electrochemical Science, 2018, 13, 5204-5218.	0.5	8
1396	Steam-Stable Covalently Bonded Polyethylenimine Modified Multiwall Carbon Nanotubes for Carbon Dioxide Capture. Energy & Fuels, 2018, 32, 11701-11709.	2.5	20
1397	Increasing the Density of Single-Walled Carbon Nanotube Arrays by Multiple Catalysts Reactivation. Journal of Physical Chemistry C, 2018, 122, 24823-24829.	1.5	10
1398	One-pot synthesis of carbon nanotube/zinc sulfide heterostructures: Characterization and effect of electrostatic interaction on the optical properties. Optical Materials, 2018, 86, 398-407.	1.7	7
1399	The operational window of carbon nanotube electrical wires treated with strong acids and oxidants. Scientific Reports, 2018, 8, 14332.	1.6	14
1400	Enhancing the Performance of Microfluidic Fuel Cells by Modifying the Carbon-Fiber Paper Cathode by Air Annealing and Acid Oxidation. Industrial & Engineering Chemistry Research, 2018, 57, 13557-13565.	1.8	9
1401	How the colloid chemistry of precursor electrocatalyst dispersions is related to the polymer electrolyte membrane fuel cell performance. Journal of Power Sources, 2018, 402, 15-23.	4.0	13
1402	Metal-Free Nitrogen- and Boron-Codoped Mesoporous Carbons for Primary Amides Synthesis from Primary Alcohols via Direct Oxidative Dehydrogenation. ACS Catalysis, 2018, 8, 9936-9944.	5.5	59
1403	A facile synthetic route of nitrogen-doped graphite derived from chitosan for modifying LiFePO4 cathode. Journal of Materials Science: Materials in Electronics, 2018, 29, 16630-16638.	1.1	16
1404	Highly Graphitic, Mesoporous Carbon Materials as Electrocatalysts for Vanadium Redox Reactions in All-Vanadium Redox-Flow Batteries. Journal of the Electrochemical Society, 2018, 165, A2510-A2518.	1.3	12
1405	Functionalization of multiwalled carbon nanotubes by amidation and Michael addition reactions and the effect of the functional chains on the properties of waterborne polyurethane composites. Journal of Applied Polymer Science, 2018, 135, 46757.	1.3	12
1406	Revealing Factors Governing Self-Assembly Morphology of Fatty Acid on Graphene Synthesized by Surfactant-Assisted LPE: A Joint MD, SAPT(DFT), and Experimental Study. Journal of Physical Chemistry C, 2018, 122, 21387-21400.	1.5	4
1407	Oxidised carbon nanotubes as dual-domain synergetic stabilizers in electroconductive carbon nanotube flexible coatings. RSC Advances, 2018, 8, 30712-30716.	1.7	4
1408	Insight into the modification of electrodonor properties of multiwalled carbon nanotubes via oxygen plasma: Surface functionalization versus amorphization. Carbon, 2018, 137, 425-432.	5.4	23
1409	Tin dioxide coated carbon materials as an alternative catalyst support for PEMFCs: Impacts of the intrinsic carbon properties and the synthesis parameters on the coating characteristics. Microporous and Mesoporous Materials, 2018, 271, 1-15.	2.2	13
1410	Structure-optimized CoP-carbon nanotube composite microspheres synthesized by spray pyrolysis for hydrogen evolution reaction. Journal of Alloys and Compounds, 2018, 763, 652-661.	2.8	32

#	Article	IF	Citations
1411	Unraveling the Enzymatic Activity of Oxygenated Carbon Nanotubes and Their Application in the Treatment of Bacterial Infections. Nano Letters, 2018, 18, 3344-3351.	4.5	199
1412	Low concentration Re(VII) recovery from acidic solution by Cu-biochar composite prepared from bamboo (Acidosasa longiligula) shoot shell. Minerals Engineering, 2018, 124, 123-136.	1.8	37
1413	Boosting water oxidation on metal-free carbon nanotubes via directional interfacial charge-transfer induced by an adsorbed polyelectrolyte. Energy and Environmental Science, 2018, 11, 3334-3341.	15.6	92
1414	Phosphorus Dualâ€Doped MoO₂ Nanosheet/Multiwalled Carbon Nanotube Hybrid as Efficient Electrocatalyst for Hydrogen Evolution. ChemElectroChem, 2018, 5, 2660-2665.	1.7	26
1415	Effects of octadecylamine functionalization of carbon nanotubes on dispersion, polarity, and mechanical properties of CNT/HDPE nanocomposites. Journal of Materials Science, 2018, 53, 14311-14327.	1.7	132
1416	Carbon-Based Nanomaterials for Electrochemical DNA Sensing. , 2018, , 113-150.		4
1417	Transition metal cations on the move: simultaneous operando X-ray absorption spectroscopy and X-ray diffraction investigations during Li uptake and release of a NiFe₂O₄/CNT composite. Physical Chemistry Chemical Physics, 2018, 20, 19129-19141.	1.3	15
1418	Simultaneous Quantification of Electron Transfer by Carbon Matrices and Functional Groups in Pyrogenic Carbon. Environmental Science & Technology, 2018, 52, 8538-8547.	4.6	95
1419	Oxidized multiwall carbon nanotube/silicone foam composites with effective electromagnetic interference shielding and high gamma radiation stability. RSC Advances, 2018, 8, 24236-24242.	1.7	13
1420	NADH Oxidation onto Different Carbon-Based Sensors: Effect of Structure and Surface-Oxygenated Groups. Journal of Sensors, 2018, 2018, 1-9.	0.6	17
1421	Gamma and neutron irradiation effects on multi-walled carbon nanotubes. Diamond and Related Materials, 2018, 87, 242-247.	1.8	22
1422	Digestion Coupled with Programmed Thermal Analysis for Quantification of Multiwall Carbon Nanotubes in Plant Tissues. Environmental Science and Technology Letters, 2018, 5, 442-447.	3.9	7
1423	Preparation of metal-organic framework-derived nitrogen-doped porous carbon and study of its supercapacitive performance in potassium citrate electrolyte. Applied Surface Science, 2018, 459, 120-128.	3.1	12
1424	Analysis of chemical polymerization between functionalized MWCNT and poly(furfuryl alcohol) composite. Polimeros, 2018, 28, 15-22.	0.2	19
1425	Effect of Functionalized Carbon Nanotubes and their Citric Acid Polymerization on Mesenchymal Stem Cells In Vitro. Journal of Nanomaterials, 2018, 2018, 1-12.	1.5	8
1426	Covalent mechanochemical functionalization of carbon-encapsulated iron nanoparticles towards the improvement of their colloidal stability. Dalton Transactions, 2018, 47, 11190-11202.	1.6	3
1427	Preparation of metal-organic framework-derived porous carbon and study of its supercapacitive performance. Electrochimica Acta, 2018, 284, 328-335.	2.6	25
1428	Aramid fibre-based wearable electrochemical capacitors with high energy density and mechanical properties through chemical synergistic combination of multi-coatings. Electrochimica Acta, 2018, 284, 149-158.	2.6	11

#	Article	IF	Citations
1429	H2O2/UV layer-by-layer oxidation of multiwall carbon nanotubes: The â€œonion effectâ€•and the control of the degree of surface crystallinity and diameter. Carbon, 2018, 139, 1027-1034.	5.4	10
1430	Gaseous Nitric Acid Activated Graphite Felts as Hierarchical Metal-Free Catalyst for Selective Oxidation of H2S. Catalysts, 2018, 8, 145.	1.6	16
1431	Field emission properties of indium-decorated vertically aligned carbon nanotubes: an interplay between type of hybridization, density of states and metal thickness. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	19
1432	A new method of functionalized multi walled carbon nanotubes by natural oil for microorganism cells detection. AIP Conference Proceedings, 2018, , .	0.3	4
1433	Comparative Study of the ORR Activity and Stability of Pt and PtM (M = Ni, Co, Cr, Pd) Supported on Polyaniline/Carbon Nanotubes in a PEM Fuel Cell. Nanomaterials, 2018, 8, 299.	1.9	42
1434	In-Situ Preparation of Aramid-Multiwalled CNT Nano-Composites: Morphology, Thermal Mechanical and Electric Properties. Nanomaterials, 2018, 8, 309.	1.9	7
1435	Nacre-like laminate nitrogen-doped porous carbon/carbon nanotubes/graphene composite for excellent comprehensive performance supercapacitors. Nanoscale, 2018, 10, 15229-15237.	2.8	19
1436	Thermodynamics and kinetics of polyoxyethylene alkyl ether evaporation from inkjet-printed carbon nanotube thin films by vacuum annealing. Flexible and Printed Electronics, 2018, 3, 025006.	1.5	1
1437	Enhanced mechanical properties of aluminum based composites reinforced by chemically oxidized carbon nanotubes. Carbon, 2018, 139, 459-471.	5.4	82
1438	Invariance of Water Permeance through Size-Differentiated Graphene Oxide Laminates. ACS Nano, 2018, 12, 7855-7865.	7.3	71
1439	Electrode materials for electrochemical capacitors based on poly(3,4 ethylenedioxythiophene) and functionalized multi-walled carbon nanotubes characterized in aqueous and aprotic electrolytes. Synthetic Metals, 2018, 244, 80-91.	2.1	12
1440	Transition metal-doped carbon sphere as enhanced catalysts for oxygen reduction. Journal of Solid State Electrochemistry, 2018, 22, 2715-2723.	1.2	2
1441	Fabrication of three-dimensional buckypaper catalyst layer with Pt nanoparticles supported on polyelectrolyte functionalized carbon nanotubes for proton exchange membrane fuel cells. Journal of Power Sources, 2018, 393, 19-31.	4.0	27
1442	Capacity and mechanism of arsenic adsorption on red soil supplemented with ferromanganese oxideâ€“biochar composites. Environmental Science and Pollution Research, 2018, 25, 20116-20124.	2.7	13
1443	Energy-efficient storage of methane in the formed hydrates with metal nanoparticles-grafted carbon nanotubes as promoter. Applied Energy, 2018, 224, 175-183.	5.1	45
1444	Characterization of multi-walled carbon nanotubes functionalized by a mixture of HNO3/H2SO4. Diamond and Related Materials, 2018, 89, 43-51.	1.8	122
1445	Rho GTPases in A549 and Caco-2 cells dominating the endocytic pathways of nanocarbons with different morphologies. International Journal of Nanomedicine, 2018, Volume 13, 4391-4404.	3.3	13
1446	Multifunctional carbon dot for lifetime thermal sensing, nucleolus imaging and antialgal activity. Journal of Materials Chemistry B, 2018, 6, 5708-5717.	2.9	32

#	Article	IF	Citations
1447	Methanol oxidation reaction on Pt based electrocatalysts modified ultramicroelectrode (UME): Novel electrochemical method for monitoring rate of CO adsorption. Electrochimica Acta, 2018, 286, 287-295.	2.6	14
1448	Optimization of the Activity of Ni-Based Nanostructures for the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2018, 1, 4554-4563.	2.5	21
1449	Improving Carbon Nanotube/Polymer Interactions in Nanocomposites. , 2018, , 83-115.		11
1450	Effect of silane modification on CNTs/silica composites fabricated by a non-firing process to enhance interfacial property and dispersibility. Advanced Powder Technology, 2018, 29, 2091-2096.	2.0	20
1451	Effect of boron doping on the electrical conductivity of metallicity-separated single walled carbon nanotubes. Nanoscale, 2018, 10, 12723-12733.	2.8	37
1452	Multi-walled carbon nanotubes photochemistry: A mechanistic view of the effect of impurities and oxygen-containing surface groups. Carbon, 2018, 138, 161-168.	5.4	15
1453	The effect of polymer particle size on three-dimensional percolation in core-shell networks of PMMA/MWCNTs nanocomposites: Properties and mathematical percolation model. Composites Science and Technology, 2018, 165, 1-8.	3.8	21
1454	Understanding the Effect of Germanium as an Efficient Auxiliary Preâ€Dopant in Carbon Nanotubes on Enhancing Oxygen Reduction Reaction. Energy Technology, 2018, 6, 2387-2393.	1.8	5
1455	The Fabrication of Carbon-Based Polymer Nanocomposite. , 2018, , 3-25.		1
1456	Heat-Induced Dip of Optical Limiting Threshold in Carbon Nanotube Aqueous Suspension. Journal of Physical Chemistry C, 2018, 122, 16339-16345.	1.5	9
1457	Effect of oxidized and fluorinated MWCNTs on mechanical, thermal and tribological properties of fluoroelastomer/carbon black/MWCNT hybrid nanocomposite. Materials Research Express, 2018, 5, 065318.	0.8	8
1458	Preparation and properties of graphene/carbon nanotube hybrid reinforced mortar composites. Magazine of Concrete Research, 2019, 71, 395-407.	0.9	14
1459	Mixed matrix membranes (MMMs) for ethanol purification through pervaporation: current state of the art. Reviews in Chemical Engineering, 2019, 35, 565-590.	2.3	63
1460	Effect of coating resin for reinforcing carbon fibers on the interlaminar shear strength of PA6 composites. Composite Interfaces, 2019, 26, 183-191.	1.3	5
1461	CO2 sponge from plasma enhanced seeded growth of metal organic frameworks across carbon nanotube bucky-papers. Separation and Purification Technology, 2019, 209, 571-579.	3.9	13
1462	Carbon Nanotube-Based Non-Pt Fuel Cell Catalysts. Nanostructure Science and Technology, 2019, , 277-293.	0.1	0
1463	Rational design of multi-walled carbon nanotube@hollow Fe₃O₄@C coaxial nanotubes as long-cycle-life lithium ion battery anodes. Nanotechnology, 2019, 30, 465402.	1.3	12
1464	Hierarchical Î±-MnO2 wrapped MWCNTs sensor for low level detection of p-nitrophenol in water. Ceramics International, 2019, 45, 23097-23103.	2.3	37

#	Article	IF	Citations
1465	Vertical interphase enabled tunable microwave dielectric response in carbon nanocomposites. Carbon, 2019, 153, 447-457.	5.4	34
1466	Mechanoâ€Fentonâ€“Piranha Oxidation of Carbon Nanotubes for Energy Application. Advanced Sustainable Systems, 2019, 3, 1900065.	2.7	14
1467	The influence of manganese(IV) oxide addition on the dispersion characteristics and structural integrity of MWCNTs in metal oxides. International Journal of Advanced Manufacturing Technology, 2019, 105, 831-844.	1.5	2
1468	Enhanced Electrochemical N₂ Reduction to NH₃ on Reduced Graphene Oxide by Tannic Acid Modification. ACS Sustainable Chemistry and Engineering, 2019, 7, 14368-14372.	3.2	17
1469	Synthesis and biomedical applications of graphitic carbon nitride quantum dots. Journal of Materials Chemistry B, 2019, 7, 5432-5448.	2.9	78
1470	The influence of electron beams to structure parameters of multi walled carbon nanotube. Physica B: Condensed Matter, 2019, 571, 280-284.	1.3	4
1471	Distinguishing external and internal coke depositions on micron-sized HZSM-5 via catalyst-assisted temperature-programmed oxidation. New Journal of Chemistry, 2019, 43, 13938-13946.	1.4	14
1472	The Effect of Ultraviolet Irradiation on the Electro-transport Properties of Carbon Nanotubes. Springer Proceedings in Physics, 2019, , 145-163.	0.1	1
1473	Mesoporous carbons as metal-free catalysts for propane dehydrogenation: Effect of the pore structure and surface property. Chinese Journal of Catalysis, 2019, 40, 1385-1394.	6.9	30
1474	Carbon Black Oxidized by Air Calcination for Enhanced H₂O₂ Generation and Effective Organics Degradation. ACS Applied Materials & Interfaces, 2019, 11, 27846-27853.	4.0	106
1475	A thin slice-like Co3O4/N-doped graphene hybrid as an efficient catalyst for oxygen reduction reaction. Inorganic Chemistry Communication, 2019, 106, 128-134.	1.8	8
1476	Morphology-maintaining synthesis of NbN and its catalytic performance in epoxidation. Catalysis Science and Technology, 2019, 9, 4002-4009.	2.1	7
1477	The Co-N-C Catalyst Synthesized With a Hard-Template and Etching Method to Achieve Well-Dispersed Active Sites for Ethylbenzene Oxidation. Frontiers in Chemistry, 2019, 7, 426.	1.8	15
1478	Synthesis, characterization, kinetic drug release and anticancer activity of bisphosphonates multi-walled carbon nanotube conjugates. Materials Science and Engineering C, 2019, 104, 109967.	3.8	16
1479	Carbocatalytic Oxidative Dehydrogenative Couplings of (Hetero)Aryls by Oxidized Multiâ€Walled Carbon Nanotubes in Liquid Phase. Chemistry - A European Journal, 2019, 25, 12288-12293.	1.7	15
1480	Electrophoretic Fabrication of Robust Carbon Nanotube â€œBuckyfilmsâ€• for Flexible Electronics. ACS Applied Nano Materials, 2019, 2, 5190-5199.	2.4	3
1481	Novel Stable 3D Stainless Steelâ€Based Electrodes for Efficient Water Splitting. Advanced Materials Interfaces, 2019, 6, 1900774.	1.9	16
1483	Purification and functionalisation of multi-walled carbon nanotubes. Materials Letters, 2019, 253, 272-275.	1.3	27

#	Article	IF	Citations
1484	Supported Î²-Mo₂C on Carbon Materials for Kraft Lignin Decomposition into Aromatic Monomers in Ethanol. Industrial & Engineering Chemistry Research, 2019, 58, 12602-12610.	1.8	17
1485	Carbon Nanotubes: Synthesis via Chemical Vapour Deposition without Hydrogen, Surface Modification, and Application. Journal of Chemistry, 2019, 2019, 1-14.	0.9	19
1486	Porous hollow carbon tube derived from kapok fibres as efficient metal-free oxygen reduction catalysts. Science China Technological Sciences, 2019, 62, 1710-1718.	2.0	17
1487	Base-free conversion of glycerol to methyl lactate using a multifunctional catalytic system consisting of Auâ€“Pd nanoparticles on carbon nanotubes and Sn-MCM-41-XS. Green Chemistry, 2019, 21, 4115-4126.	4.6	15
1488	Influence of CNT pre-dispersion into PHBV/CNT nanocomposites and evaluation of morphological, mechanical and crystallographic features. Materials Research Express, 2019, 6, 105375.	0.8	5
1489	Synthesis-Controlled Î±- and Î²-Molybdenum Carbide for Base-Promoted Transfer Hydrogenation of Lignin to Aromatic Monomers in Ethanol. Industrial & Engineering Chemistry Research, 2019, 58, 20270-20281.	1.8	31
1490	Differently substituted aniline functionalized MWCNTs to anchor oxides of Bi and Ni nanoparticles. Journal of Nanostructure in Chemistry, 2019, 9, 299-314.	5.3	9
1491	Surface molecularly imprinted polymer on magnetic multi-walled carbon nanotubes for selective recognition and preconcentration of metformin in biological fluids prior to its sensitive chemiluminescence determination: Central composite design optimization. Analytica Chimica Acta, 2019, 1089, 78-89.	2.6	53
1492	Highly Conductive Carbon Nanotube-Thermoplastic Polyurethane Nanocomposite for Smart Clothing Applications and Beyond. Nanomaterials, 2019, 9, 1287.	1.9	21
1493	The thermophysical properties and the stability of nanofluids containing carboxyl-functionalized graphene nano-platelets and multi-walled carbon nanotubes. International Communications in Heat and Mass Transfer, 2019, 108, 104302.	2.9	30
1494	Uniform growth of high-concentration MoS2 nanoflakes on plasma treated carbon nanotube sheet. Materials Letters, 2019, 256, 126665.	1.3	4
1495	Effect of O-containing functional groups and meso- and micropores on content and re-adsorption behavior of water in upgraded brown coal. Fuel, 2019, 257, 116100.	3.4	14
1496	Fabrication of Highly Effective Polyaniline Grafted Carbon Nanotubes To Induce Active Protective Functioning in a Silane Coating. Industrial & Engineering Chemistry Research, 2019, 58, 20309-20322.	1.8	37
1497	A highly durable, stretchable, transparent and conductive carbon nanotubeâ€“polymeric acid hybrid film. Nanoscale, 2019, 11, 3804-3813.	2.8	43
1498	Carbon Nanotube Reinforced Hydroxyapatite Nanocomposites As Bone Implants: Nanostructure, Mechanical Strength And Biocompatibility . International Journal of Nanomedicine, 2019, Volume 14, 7947-7962.	3.3	15
1499	Electrospun Coreâ€“Shell Nanofibrous Membranes with Nanocellulose-Stabilized Carbon Nanotubes for Use as High-Performance Flexible Supercapacitor Electrodes with Enhanced Water Resistance, Thermal Stability, and Mechanical Toughness. ACS Applied Materials & Interfaces, 2019, 11, 44624-44635.	4.0	164
1500	Î²-Cyclodextrin-loaded minerals as novel sorbents for enhanced adsorption of Cd2+ and Pb2+ from aqueous solutions. Science of the Total Environment, 2019, 693, 133676.	3.9	45
1501	Synthesis of Hollow Pt-Ni Nanoboxes for Highly Efficient Methanol Oxidation. Scientific Reports, 2019, 9, 15273.	1.6	37

#	Article	IF	Citations
1502	Gas Sensing Properties of Perovskite Decorated Graphene at Room Temperature. Sensors, 2019, 19, 4563.	2.1	34
1503	MWCNTs and carbon onions grown by CVD method on nickel-cobalt alloy nanocomposites prepared via novel alcogel electrolysis technique and its oxygen evolution reaction application. Materials Research Express, 2019, 6, 105627.	0.8	37
1504	Polyurethane Insulation Foams for Energy and Sustainability. Advanced Structured Materials, 2019, , .	0.3	5
1505	Mesoporous Activated Biochar for As(III) Adsorption: A New Utilization Approach for Biogas Residue. Industrial & Engineering Chemistry Research, 2019, 58, 17859-17870.	1.8	12
1506	Establishing structure-property-hazard relationships for multi-walled carbon nanotubes: The role of aggregation, surface charge, and oxidative stress on embryonic zebrafish mortality. Carbon, 2019, 155, 587-600.	5.4	23
1507	Ultra-robust wide-range pressure sensor with fast response based on polyurethane foam doubly coated with conformal silicone rubber and CNT/TPU nanocomposites islands. Composites Part B: Engineering, 2019, 177, 107364.	5.9	82
1508	NiCo2O4/MWCNT/PANI coral-like nanostructured composite for electrochemical energy-storage applications. Journal of Electroanalytical Chemistry, 2019, 851, 113481.	1.9	18
1509	Rational design and tailoring of imprinted polymeric enantioselective sensor layered on multiwalled carbon nanotubes for the chiral recognition of d-mandelic acid. Polymer Chemistry, 2019, 10, 5364-5384.	1.9	8
1510	Real-Time Measurement of Airborne Carbon Nanotubes in Workplace Atmospheres. Analytical Chemistry, 2019, 91, 12713-12723.	3.2	2
1511	Tuning edge-oxygenated groups on graphitic carbon materials against corrosion. Nano Energy, 2019, 66, 104112.	8.2	13
1512	Smart Colloid-Assisted Technique Prompts the Evolution of Bamboo Wastes into Nanometal-Inlaid Carbon Microfibers for Sustainable Niâ€“Fe Batteries. ACS Sustainable Chemistry and Engineering, 2019, 7, 17919-17928.	3.2	13
1513	â€œOlive-Structuredâ€•Nanocomposite Based on Multiwalled Carbon Nanotubes Decorated with an Electroactive Copolymer for Environmental Nitrite Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 17424-17431.	3.2	16
1514	Improved mechanical and barrier properties of Natural rubber-Multiwalled carbon nanotube composites with segregated network structure. Materials Today: Proceedings, 2019, 9, 13-20.	0.9	11
1515	Comparing the strengthening efficiency of multiwalled carbon nanotubes and graphene nanoplatelets in aluminum matrix. Powder Technology, 2019, 356, 1059-1076.	2.1	41
1516	Copper-Decorated CNTs as a Possible Electrode Material in Supercapacitors. Batteries, 2019, 5, 60.	2.1	2
1517	Biodegradation of Carbon Nanotubes by Macrophages. Frontiers in Materials, 2019, 6, .	1.2	50
1518	Emerging investigator series: quantification of multiwall carbon nanotubes in plant tissues with spectroscopic analysis. Environmental Science: Nano, 2019, 6, 380-387.	2.2	7
1519	Nanocomposite and nanostructured ion-exchange membrane in salinity gradient power generation using reverse electrodialysis. , 2019, , 295-316.		5

#	Article	IF	Citations
1520	Effect of Zr+4 doping on characteristics and sonocatalytic activity of TiO2/carbon nanotubes composite catalyst for degradation of chlorpyrifos. Journal of Physics and Chemistry of Solids, 2019, 129, 180-187.	1.9	26
1521	Ascertaining the factors that influence the vapor sensor response: The entire case of MWCNT network sensor. Sensors and Actuators B: Chemical, 2019, 283, 478-486.	4.0	5
1522	Fabrication of room temperature liquid petroleum gas sensor based on PAniâ€“CNTâ€“V2O5 hybrid nanocomposite. Applied Nanoscience (Switzerland), 2019, 9, 1719-1729.	1.6	21
1523	One- and two-dimensional carbon nanomaterials as adsorbents of cationic and anionic dyes from aqueous solutions. Carbon Letters, 2019, 29, 155-166.	3.3	13
1524	Activity and Durability of Platinum-Based Electrocatalysts with Tin Oxideâ€“Coated Carbon Aerogel Materials as Catalyst Supports. Electrocatalysis, 2019, 10, 156-172.	1.5	12
1525	Optimization of Triton X-100 removal and ultrasound probe parameters in the preparation of multiwalled carbon nanotube buckypaper. Materials and Design, 2019, 166, 107612.	3.3	51
1526	Effects at molecular level of multi-walled carbon nanotubes (MWCNT) in Chironomus riparius (DIPTERA) aquatic larvae. Aquatic Toxicology, 2019, 209, 42-48.	1.9	34
1527	Dry reforming of methane over Ni supported on doped CeO2: New insight on the role of dopants for CO2 activation. Journal of CO2 Utilization, 2019, 30, 63-78.	3.3	135
1528	A simple method for enhancing the catalytic activity of Pd deposited on carbon nanotubes used in direct formic acid fuel cells. Applied Surface Science, 2019, 476, 806-814.	3.1	29
1529	Simultaneous adsorption and immobilization of As and Cd by birnessite-loaded biochar in water and soil. Environmental Science and Pollution Research, 2019, 26, 8575-8584.	2.7	44
1530	A clean approach for functionalized carbon nanotubes by deep eutectic solvents and their performance in the adsorption of methyl orange from aqueous solution. Journal of Environmental Management, 2019, 235, 521-534.	3.8	58
1531	Addition of carbon nanotubes to electrospun polyacrylonitrile as a way to obtain carbon nanofibers with desired properties. Polymer Degradation and Stability, 2019, 161, 260-276.	2.7	20
1532	Uniquely structured composite microspheres of metal sulfides and carbon with cubic nanorooms for highly efficient anode materials for sodium-ion batteries. Journal of Materials Chemistry A, 2019, 7, 2636-2645.	5.2	50
1533	Carbonâ€Supportâ€Based Heterogeneous Nanocatalysts: Synthesis and Applications in Organic Reactions. Asian Journal of Organic Chemistry, 2019, 8, 1263-1305.	1.3	59
1534	Purification of Singleâ€Walled Carbon Nanotubes Using Acid Treatment and Magnetic Separation. Physica Status Solidi (B): Basic Research, 2019, 256, 1800742.	0.7	28
1535	Surface modification and characterization of carbonaceous adsorbents for the efficient removal of oil pollutants. Journal of Hazardous Materials, 2019, 379, 120673.	6.5	20
1536	Highly efficient hydrogen production by hydrolysis of NaBH4 using eminently competent recyclable Fe2O3 decorated oxidized MWCNTs robust catalyst. Applied Surface Science, 2019, 489, 538-551.	3.1	65
1537	Degradation of pristine and oxidized single wall carbon nanotubes by CYP3A4. Biochemical and Biophysical Research Communications, 2019, 515, 487-492.	1.0	4

#	Article	IF	Citations
1538	Ionic liquids and cellulose: Innovative feedstock for synthesis of carbon nanostructured material. Materials Chemistry and Physics, 2019, 234, 201-209.	2.0	6
1539	Adsorption of water and n-hexane on pristine and oxidized carbon nanotube supports of cobalt-based Fischerâ€“Tropsch catalysts. Physical Chemistry Chemical Physics, 2019, 21, 13234-13240.	1.3	5
1540	Biosensor technologies based on nanomaterials. , 2019, , 181-242.		9
1541	Chemical Treatment and Dispersant Characteristics of CNTs Particle and its Applications on Nanofluid. Key Engineering Materials, 2019, 801, 187-192.	0.4	1
1542	Synthesis and Functionalization of Filamentous Carbon Material via Decomposition of 1,2-Dichlorethane over Self-Organizing Ni-Mo Catalyst. Materials Science Forum, 2019, 950, 180-184.	0.3	5
1543	CO2 adsorption and its visible-light-driven reduction using CuO synthesized by an eco-friendly sonochemical method. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111933.	2.0	27
1544	Exploring the exocellular fungal biopolymer botryosphaeran for laccase-biosensor architecture and application to determine dopamine and spironolactone. Talanta, 2019, 204, 475-483.	2.9	45
1545	Preparation of chrome-tanned leather shaving-based hierarchical porous carbon and its capacitance properties. RSC Advances, 2019, 9, 18333-18343.	1.7	15
1546	Scalable Synthesis of Highly Conductive Graphene-Based Thin Film for Supercapacitor Application. IEEE Nanotechnology Magazine, 2019, 18, 494-501.	1.1	5
1547	Strong Electrochemiluminescence Emission from Oxidized Multiwalled Carbon Nanotubes. Small, 2019, 15, e1901550.	5.2	28
1548	Removal and Oxidation of Arsenic from Aqueous Solution by Biochar Impregnated with Fe-Mn Oxides. Water, Air, and Soil Pollution, 2019, 230, 1.	1.1	27
1549	Facile synthesis of oxidized multi-walled carbon nanotubes functionalized with 5-sulfosalicylic acid/MoS2 nanosheets nanocomposites for electrochemical detection of copper ions. Applied Surface Science, 2019, 487, 766-772.	3.1	24
1550	Polyamide 66 and amino-functionalized multi-walled carbon nanotube composites and their melt-spun fibers. Journal of Materials Science, 2019, 54, 11056-11068.	1.7	12
1551	Grown Carbon Nanotubes on Electrospun Carbon Nanofibers as a 3D Carbon Nanomaterial for High Energy Storage Performance. ChemistrySelect, 2019, 4, 5437-5458.	0.7	15
1552	The effect of hydrogen peroxide (H2O2) on carbon nanotubes solubility as drug delivery material for cancer with covalent functionalization. AIP Conference Proceedings, 2019, , .	0.3	2
1553	Hydrothermal synthesis of hierarchical flower-like Î±-CNTs/SnO₂ architectures with enhanced photocatalytic activity. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 10-13.	1.0	6
1554	New insights into surface functionalization and preparation methods of MWCNT based semiconductor photocatalysts. Ceramics International, 2019, 45, 14490-14499.	2.3	14
1555	Photovoltaic Characteristics of Multiwalled Carbon Nanotube Counter-Electrode Materials for Dye-Sensitized Solar Cells Produced by Chemical Treatment and Addition of Dispersant. Coatings, 2019, 9, 250.	1.2	10

#	Article	IF	Citations
1556	Fabrication of Flexible, Lightweight, Magnetic Mushroom Gills and Coral-Like MXeneâ€“Carbon Nanotube Nanocomposites for EMI Shielding Application. Nanomaterials, 2019, 9, 519.	1.9	30
1557	Montmorillonite-Modified Reduced Graphene Oxide Stabilizes Copper Nanoparticles and Enhances Bacterial Adsorption and Antibacterial Activity. ACS Applied Bio Materials, 2019, 2, 1842-1849.	2.3	28
1558	Effect of rare earth surface modification of carbon nanotubes on enhancement of interfacial bonding of carbon nanotubes reinforced epoxy matrix composites. Journal of Materials Science, 2019, 54, 10235-10248.	1.7	22
1559	Growth of ultrathin SnO2 on carbon nanotubes by atomic layer deposition and their application in lithium ion battery anodes. Applied Surface Science, 2019, 484, 600-609.	3.1	47
1560	Fabrication of Co3O4 nanowires assembled on the surface of hollow carbon spheres for acetone gas sensing. Sensors and Actuators B: Chemical, 2019, 291, 130-140.	4.0	64
1561	Nanomaterials in Advanced, High-Performance Aerogel Composites: A Review. Polymers, 2019, 11, 726.	2.0	108
1562	Highly stable nickel-aluminum alloy current collectors and highly defective multi-walled carbon nanotubes active material for neutral aqueous-based electrochemical capacitors. Journal of Energy Storage, 2019, 23, 116-127.	3.9	18
1563	Nitrogen and Fluorine Dual-Doped Carbon Nanosheets for High-Performance Supercapacitors. Nano, 2019, 14, 1950042.	0.5	13
1564	Multi-walled carbon nanotubes decorated with Cu(II) triazole Schiff base complex for adsorptive removal of synthetic dyes. Journal of Molecular Liquids, 2019, 282, 515-526.	2.3	19
1565	Cobalt oxide-based nanoarchitectures for electrochemical energy applications. Progress in Materials Science, 2019, 103, 596-677.	16.0	166
1566	Atmospheric Pressure Plasma-Synthesized Gold Nanoparticle/Carbon Nanotube Hybrids for Photothermal Conversion. Langmuir, 2019, 35, 4577-4588.	1.6	25
1567	Mechanical, tribological and electrical properties of Cu-CNT composites fabricated by flake powder metallurgy method. Archives of Civil and Mechanical Engineering, 2019, 19, 694-706.	1.9	54
1568	Enhancement of photocurrent in Cu2ZnSnS4 quantum dot-anchored multi-walled carbon nanotube for solar cell application. Journal of Materials Science, 2019, 54, 8542-8555.	1.7	13
1569	Highly porous multiwalled carbon nanotube buckypaper using electrospun polyacrylonitrile nanofiber as a sacrificial material. Heliyon, 2019, 5, e01386.	1.4	19
1570	Full filling of mesoporous carbon nanotubes by aqueous solution at room temperature. Chinese Physics B, 2019, 28, 036801.	0.7	3
1571	Defect Sites Modulate Fouling Resistance on Carbon-Nanotube Fiber Electrodes. ACS Sensors, 2019, 4, 1001-1007.	4.0	46
1572	A competitive immunosensor for ultrasensitive detection of sulphonamides from environmental waters using silver nanoparticles decorated single-walled carbon nanohorns as labels. Chemosphere, 2019, 225, 282-287.	4.2	27
1573	Effect of Surface and Bulk Properties of Mesoporous Carbons on the Electrochemical Behavior of GOx-Nanocomposites. Frontiers in Chemistry, 2019, 7, 84.	1.8	8

#	Article	IF	Citations
1574	Ultrathin carbon-coated Sb2Se3 nanorods embedded in 3D hierarchical carbon matrix as binder-free anode for high-performance sodium-ion batteries. Ionics, 2019, 25, 3737-3747.	1.2	12
1575	One Simple Strategy towards Nitrogen and Oxygen Codoped Carbon Nanotube for Efficient Electrocatalytic Oxygen Reduction and Evolution. Catalysts, 2019, 9, 159.	1.6	9
1576	Transparent, Flexible Heater Based on Hybrid 2D Platform of Graphene and Dry-Spun Carbon Nanotubes. ACS Applied Materials & Interfaces, 2019, 11, 16223-16232.	4.0	43
1577	Highly integrated and interconnected CNT hybrid nanofibers decorated with Î±-iron oxide as freestanding anodes for flexible lithium polymer batteries. Journal of Materials Chemistry A, 2019, 7, 12480-12488.	5.2	19
1578	Proton and electron irradiation effects on multi-walled carbon nanotubes. Materials Research Express, 2019, 6, 075046.	0.8	5
1579	Processing and Applications of CNT Sheets in Advanced Composite Materials. , 2019, , 383-429.		0
1580	Electrochemical non-enzymatic glucose sensors based on nano-composite of Co3O4 and multiwalled carbon nanotube. Chinese Chemical Letters, 2019, 30, 1157-1160.	4.8	48
1581	Synthesis of Gold Nanoparticles Decorated with Multiwalled Carbon Nanotubes (Au-MWCNTs) via Cysteaminium Chloride Functionalization. Scientific Reports, 2019, 9, 5667.	1.6	76
1582	A Facile and Efficient Protocol for Preparing Residual-Free Single-Walled Carbon Nanotube Films for Stable Sensing Applications. Nanomaterials, 2019, 9, 471.	1.9	21
1583	Efficient electrohydrogenation of N₂ to NH₃ by oxidized carbon nanotubes under ambient conditions. Chemical Communications, 2019, 55, 4997-5000.	2.2	79
1584	A review of mechanical analyses of rectangular nanobeams and single-, double-, and multi-walled carbon nanotubes using Eringenâ€™s nonlocal elasticity theory. Archive of Applied Mechanics, 2019, 89, 1761-1792.	1.2	31
1585	Improvement of Antifouling and Antimicrobial Abilities on Silverâ€“Carbon Nanotube Based Membranes under Electrochemical Assistance. Environmental Science & Technology, 2019, 53, 5292-5300.	4.6	45
1586	Laccase-Catalyzed Aniline Polymerization on Multiwalled Carbon Nanotubes: the Effect of Surface Carboxyl Groups on Polyaniline Properties. Applied Biochemistry and Microbiology, 2019, 55, 32-36.	0.3	2
1587	Effect of Magnetic Iron Coreâ€“Carbon Shell Nanoparticles in Chemical Enhanced Oil Recovery for Ultralow Interfacial Tension Region. Energy & Fuels, 2019, 33, 4158-4168.	2.5	34
1588	Triazine based polyimide framework derived N-doped porous carbons: a study of their capacitive behaviour in aqueous acidic electrolyte. Materials Chemistry Frontiers, 2019, 3, 680-689.	3.2	29
1589	In situ electrodeposition of cholesterol oxidase-modified polydopamine thin film on nanostructured screen printed electrodes for free cholesterol determination. Journal of Electroanalytical Chemistry, 2019, 837, 191-199.	1.9	30
1590	Enhancing CO₂ Electroreduction with Au/Pyridine/Carbon Nanotubes Hybrid Structures. ChemSusChem, 2019, 12, 1724-1731.	3.6	29
1591	Twoâ€dimensional graphene oxideâ€reinforced porous biodegradable polymeric nanocomposites for bone tissue engineering. Journal of Biomedical Materials Research - Part A, 2019, 107, 1143-1153.	2.1	20

#	Article	IF	Citations
1592	Functionalization, Modification, and Characterization of Carbon Nanofibers. , 2019, , 75-137.		4
1593	Silicaâ€Mediated Formation of Nickel Sulfide Nanosheets on CNT Films for Versatile Energy Storage. Small, 2019, 15, e1805064.	5.2	45
1594	Defect-mediated hydroxylation of multi-walled carbon nanotubes as metal-free catalysts to enhance catalytic performance for oxidative dehydrogenation of ethylbenzene using CO2. Journal of CO2 Utilization, 2019, 31, 8-15.	3.3	7
1595	Hierarchical porous carbon derived from waste amla for the simultaneous electrochemical sensing of multiple biomolecules. Colloids and Surfaces B: Biointerfaces, 2019, 177, 529-540.	2.5	42
1596	Novel functionalization treatment of MWCNTs for unmanned aerial vehicle structure. IOP Conference Series: Materials Science and Engineering, 2019, 610, 012060.	0.3	3
1597	Functionalization and strengthening of graphitized untwisted carbon nanotube yarn with hot mixed acid treatment. Transactions of the JSME (in Japanese), 2019, 85, 19-00029-19-00029.	0.1	1
1598	I-V characteristics of n-Si /ZnO/Se/MWCNTs nanocomposite solar cell fabricated by solvothermal technique. AIP Conference Proceedings, 2019, , .	0.3	1
1599	Facile synthesis of multiâ€walled carbon nanotube via folic acid grafted nanoparticle for precise delivery of doxorubicin. IET Nanobiotechnology, 2019, 13, 688-696.	1.9	7
1600	Low temperature synthesis of carbon nanostructure and effect of temperatures on the growth of amorphous carbon nanostructure.. , 2019, , .		0
1601	Microplasma direct writing for site-selective surface functionalization of carbon microelectrodes. Microsystems and Nanoengineering, 2019, 5, 62.	3.4	17
1602	Increase of vanillin partitioning using aqueous two phase system with promising nanoparticles. Scientific Reports, 2019, 9, 19665.	1.6	13
1603	A Water Soluble Single Walled Carbon Nanotube Aryl Aziridino Carboxylic Acid Decorated Mn (II) Complex Increased Root Growth in Arabidopsis thaliana. ChemistrySelect, 2019, 4, 13604-13609.	0.7	0
1604	The effect of natural organic compounds on the adsorption of toluene and ethylene benzene on MWCNT. Journal of Environmental Health Science & Engineering, 2019, 17, 1055-1065.	1.4	7
1605	Surface Functionalization of Carbon Nanotubes for Energy Applications. , 0, , .		1
1606	Enhanced adsorptive removal of Indigo carmine dye performance by functionalized carbon nanotubes based adsorbents from aqueous solution: equilibrium, kinetic, and DFT study. Journal of Nanostructure in Chemistry, 2019, 9, 323-334.	5.3	41
1607	Carbon Nanotube/Alkane Composites for Efficient Room-Temperature Electrical Switching in Temperature Sensors and Controllers. ACS Applied Nano Materials, 2019, 2, 7766-7774.	2.4	5
1608	Electrical Properties of Silver-Attached Amine Functionalized Carbon Black/Polyethylene Terephthalate Fibers Prepared by Melt-Spinning. Polymers, 2019, 11, 1611.	2.0	3
1609	Effect of microwave treatment exposure time on functionalization and purification of multi-walled carbon nanotubes (MWCNTs). Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	4

#	Article	IF	Citations
1610	Low Kinetic Energy Oxygen Ion Irradiation of Vertically Aligned Carbon Nanotubes. Applied Sciences (Switzerland), 2019, 9, 5342.	1.3	9
1611	Regeneration of Activated Carbons Spent by Waste Water Treatment Using KOH Chemical Activation. Applied Sciences (Switzerland), 2019, 9, 5132.	1.3	36
1612	Quantification of Carbon Nanotube Doses in Adherent Cell Culture Assays Using UV-VIS-NIR Spectroscopy. Nanomaterials, 2019, 9, 1765.	1.9	11
1613	Structureâ€“Activity Relationships of Er³⁺ and MWCNT-Modified TiO₂: Enhancing the Textural and Optoelectronic Properties of TiO₂. Journal of Physical Chemistry C, 2019, 123, 31246-31261.	1.5	11
1614	Theoretical investigation of the ORR on boronâ€“silicon nanotubes (Bâ€“SiNTs) as acceptable catalysts in fuel cells. RSC Advances, 2019, 9, 31572-31582.	1.7	4
1615	Nanostructured carbons containing FeNi/NiFe₂O₄ supported over N-doped carbon nanofibers for oxygen reduction and evolution reactions. RSC Advances, 2019, 9, 36586-36599.	1.7	9
1616	Selective carboxylation versus layer-by-layer unsheathing of multi-walled carbon nanotubes: new insights from the reaction with boiling nitrating mixture. RSC Advances, 2019, 9, 37608-37613.	1.7	14
1617	Strong nanocomposites reinforcement effects in PTFE/glass fabric composites modified with graphene. Composite Interfaces, 2019, 26, 525-535.	1.3	4
1618	Improvement of electrochemical performance of screen-printed carbon electrodes by UV/ozone modification. Talanta, 2019, 192, 40-45.	2.9	23
1619	Î²â€“cyclodextrin functionalized biochars as novel sorbents for high-performance of Pb2+ removal. Journal of Hazardous Materials, 2019, 362, 206-213.	6.5	68
1620	Low-damage nitrogen incorporation in graphene films by nitrogen plasma treatment: Effect of airborne contaminants. Carbon, 2019, 144, 532-539.	5.4	18
1621	A novel catalase mimicking nanocomposite of Mn(II)-poly-L-histidine-carboxylated multi walled carbon nanotubes and the application to hydrogen peroxide sensing. Analytical Biochemistry, 2019, 567, 51-62.	1.1	22
1622	Effects of plasma treatment of carbon fibers on interfacial properties of BMI resin composites. Surface and Interface Analysis, 2019, 51, 458-464.	0.8	10
1623	Methane Pyrolysis for Carbon Nanotubes and CO_x-Free H₂ over Transition-Metal Catalysts. Energy & Fuels, 2019, 33, 197-205.	2.5	46
1624	Swallowâ€Nestâ€Inspired Strategy towards Ultralight Functional Multiwallâ€Carbonâ€Nanotubeâ€Based Aerogels for Supercapacitors. ChemElectroChem, 2019, 6, 1661-1667.	1.7	1
1625	A new approach for the reinforcement of SS 304L via arc welding: Using nanostructured flux cored electrode. Diamond and Related Materials, 2019, 92, 138-145.	1.8	12
1626	Enhancement of NO catalytic oxidation on activated carbon at room temperature by nitric acid hydrothermal treatment. Applied Surface Science, 2019, 471, 633-644.	3.1	39
1627	Characteristic of adsorption cadmium of red soil amended with a ferromanganese oxide-biochar composite. Environmental Science and Pollution Research, 2019, 26, 5155-5163.	2.7	10

#	Article	IF	Citations
1628	Highly stretchable, anti-corrosive and wearable strain sensors based on the PDMS/CNTs decorated elastomer nanofiber composite. Chemical Engineering Journal, 2019, 362, 89-98.	6.6	278
1629	Electron Paramagnetic Resonance Investigation of the Structure of Graphene Oxide: pH-Dependence of the Spectroscopic Response. ACS Applied Nano Materials, 2019, 2, 19-27.	2.4	30
1630	Nickel oxide nanoparticles supported onto oriented multi-walled carbon nanotube as electrodes for electrochemical capacitors. Electrochimica Acta, 2019, 298, 468-483.	2.6	50
1631	Characterization and performance of coupled atmospheric pressure argon plasma jet with n-hexane electrospray for hydrophobic layer coatings on cotton textile. Diamond and Related Materials, 2019, 91, 34-45.	1.8	20
1632	Nanochannel-confined synthesis of Nb2O5/CNTs nanopeapods for ultrastable lithium storage. Electrochimica Acta, 2019, 295, 829-834.	2.6	32
1633	A carefully designed nanoplatform based on multi walled carbon nanotube wrapped with aptamers. Colloids and Surfaces B: Biointerfaces, 2019, 175, 175-183.	2.5	12
1634	Wet Functionalization of Carbon Nanotubes and Its Applications in Rubber Composites. , 2019, , 77-108.		4
1635	Hyaluronic acid conjugated multi-walled carbon nanotubes for colon cancer targeting. International Journal of Biological Macromolecules, 2019, 123, 691-703.	3.6	83
1636	Noncovalent functionalization of carbon nanotubes via co-deposition of tannic acid and polyethyleneimine for reinforcement and conductivity improvement in epoxy composite. Composites Science and Technology, 2019, 170, 25-33.	3.8	51
1637	Carbon Nanotube-Based Membranes for Water Purification. , 2019, , 309-331.		8
1638	Fabrication of multi-walled carbon-nanotube-grafted polyvinyl-chloride composites with high solar-thermal-conversion performance. Composites Science and Technology, 2019, 170, 77-84.	3.8	11
1639	Tuning microwave absorption properties of multi-walled carbon nanotubes by surface functional groups. Journal of Materials Science, 2019, 54, 2417-2426.	1.7	42
1640	Experimental analysis of ILSS of glass fibre reinforced thermoplastic and thermoset textile composites enhanced with multiwalled carbon nanotubes. Journal of Mechanical Science and Technology, 2019, 33, 197-204.	0.7	22
1641	CO temperature-programmed desorption of a hexameric copper hydride nanocluster catalyst supported on functionalized MWCNTs for active site characterization in a low-temperature waterâ€“gas shift reaction. Chemical Engineering Journal, 2019, 377, 120278.	6.6	11
1642	Effect of graphene treated with cyclohexyl diamine by diazonium reaction on cure kinetics, mechanical, thermal, and physical properties of natural rubber/graphene nanocomposite foam. Polymer Composites, 2019, 40, E1766-E1776.	2.3	8
1643	A study of synthesizing stable super-slip carbon nanotubes by grafting octadecylamine. Journal of Colloid and Interface Science, 2019, 540, 126-133.	5.0	7
1644	Functionalization of multi-walled carbon nanotubes with indazole. Electrochimica Acta, 2019, 298, 884-892.	2.6	11
1645	Multi-walled carbon nanotube oxidation dependent keratinocyte cytotoxicity and skin inflammation. Particle and Fibre Toxicology, 2019, 16, 3.	2.8	37

#	Article	IF	Citations
1646	X-ray absorption anomaly of well-characterized multiwall carbon nanotubes. Carbon, 2019, 145, 209-217.	5.4	6
1647	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
1648	Optimization of Carbon Nanotube Dispersions in Water Using Response Surface Methodology. ACS Omega, 2019, 4, 849-859.	1.6	21
1649	Synthesis of Ultrathin PEDOT on Carbon Nanotubes and Shear Thinning Xanthan Gumâ€H 2 SO 4 Gel Electrolyte for Supercapacitors. ChemElectroChem, 2019, 6, 1861-1869.	1.7	16
1650	Research on the defect types transformation induced by growth temperature of vertical graphene nanosheets. Journal of Alloys and Compounds, 2019, 781, 1048-1053.	2.8	7
1651	Nanocomposites based on chain extended poly(<scp>l</scp>-lactic acid)/carboxylated carbon nanotubes: Crystallization kinetics and lamellar morphology. Journal of Composite Materials, 2019, 53, 2131-2147.	1.2	9
1652	Solvent effect in the synthesis of nanostructured Ptâ€“Sn/CNT as electrocatalysts for the electrooxidation of ethanol. International Journal of Hydrogen Energy, 2019, 44, 12430-12438.	3.8	12
1653	A review on adsorptive removal of oil pollutants (BTEX) from wastewater using carbon nanotubes. Journal of Molecular Liquids, 2019, 277, 1005-1025.	2.3	62
1654	Oxidative acid treatment of carbon nanotubes. Surfaces and Interfaces, 2019, 14, 1-8.	1.5	80
1655	Improved fracture toughness and ductility of PLA composites by incorporating a small amount of surface-modified helical carbon nanotubes. Composites Part B: Engineering, 2019, 162, 54-61.	5.9	49
1656	Heteroatom-doped hierarchically porous carbons derived from cucumber stem as high-performance anodes for sodium-ion batteries. Journal of Materials Science, 2019, 54, 5641-5657.	1.7	34
1657	High-performance interactive analysis of split aptamer and HIV-1 Tat on multiwall carbon nanotube-modified field-effect transistor. International Journal of Biological Macromolecules, 2019, 125, 414-422.	3.6	21
1658	Evaluating industrial grade functionalized multiwalled carbon nanotubes by X-ray photoelectron spectroscopy. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 240-246.	1.0	8
1659	A facile synthesis of graphene nanoribbon-quantum dot hybrids and their application for composite electrolyte membrane in direct methanol fuel cells. Electrochimica Acta, 2019, 297, 267-280.	2.6	50
1660	Effect of surface treatment on surface characteristics of carbon fibers and interfacial bonding of PMMA resin composites. Composite Interfaces, 2019, 26, 679-686.	1.3	10
1661	Polymer Composites with Functionalized Carbon Nanotube and Graphene. , 2019, , 211-248.		16
1662	Efficient removal of pesticides and heavy metals from wastewater and the antimicrobial activity of f-MWCNTs/PVA nanocomposite film. Journal of Cleaner Production, 2019, 206, 315-325.	4.6	82
1663	Synthesis and modification of Cu-C70 nanocomposite for plasmonic applications. Applied Surface Science, 2019, 466, 615-627.	3.1	6

#	Article	IF	Citations
1664	Removal of Ni(II) from aqueous solutions using activated carbon with manganese formate hydrate in-situ modification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 560, 84-91.	2.3	15
1665	An enhanced electrocatalytic oxidation and determination of 2,4-dichlorophenol on multilayer deposited functionalized multi-walled carbon nanotube/Nafion composite film electrode. Arabian Journal of Chemistry, 2019, 12, 946-956.	2.3	15
1666	Tailoring of anticancer drugs loaded in MWCNT/Poly(MMA-co-HEMA) nanosphere composite by using in situ microemulsion polymerization. Journal of Pharmaceutical Investigation, 2019, 49, 45-55.	2.7	13
1667	Silk fibroin biomaterial-functionalized carbon nanotubes for high water dispersibility and promising biomedical applications. Textile Reseach Journal, 2019, 89, 1144-1152.	1.1	3
1668	Effect of graphitization of oxygen-modified carbon nanotubes in selective oxidation of acrolein. Catalysis Today, 2019, 330, 142-148.	2.2	16
1669	Enhanced interfacial adhesion between PMMA and carbon fiber by graphene oxide coating. Composite Interfaces, 2019, 26, 41-51.	1.3	6
1670	Potential of metal monoliths with grown carbon nanomaterials as catalyst support in intensified steam reformer: a perspective. Reviews in Chemical Engineering, 2020, 36, 459-491.	2.3	10
1671	Low-temperature direct conversion of methane to methanol over carbon materials supported Pd-Au nanoparticles. Catalysis Today, 2020, 339, 48-53.	2.2	42
1672	An effective and novel approach for enhancement of the oxidative thermal stability of multiwalled carbon nanotubes loaded polymer blend. Journal of Thermoplastic Composite Materials, 2020, 33, 1499-1517.	2.6	3
1673	Fabrication and study of supercapacitor electrodes based on oxygen plasma functionalized carbon nanotube fibers. Journal of Energy Chemistry, 2020, 40, 120-131.	7.1	90
1674	Gamma-irradiation applied in the synthesis of metallic and organic nanoparticles: A short review. Radiation Physics and Chemistry, 2020, 169, 107962.	1.4	104
1675	Optical and structural modifications of copper-fullerene nanocomposite thin films by 120â€¯MeV Au ion irradiation. Radiation Physics and Chemistry, 2020, 166, 108442.	1.4	6
1676	Scalable green synthesis of hierarchically porous carbon microspheres by spray pyrolysis for high-performance supercapacitors. Chemical Engineering Journal, 2020, 382, 122805.	6.6	40
1677	Effect of LaCl₃ Surface-Modified Carbon Nanotubes on Tribological Properties and Thermal Stability of Carbon Nanotubeâ€“Reinforced Epoxy Resin Composites. Tribology Transactions, 2020, 63, 144-153.	1.1	5
1678	NiCo2O4-based nanostructured composites for high-performance pseudocapacitor electrodes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 584, 124039.	2.3	29
1679	A Theory/Experience Description of Support Effects in Carbon-Supported Catalysts. Chemical Reviews, 2020, 120, 1250-1349.	23.0	436
1680	CVD grown defect rich-MWCNTs with anchored CoFe alloy nanoparticles for OER activity. Materials Letters, 2020, 259, 126831.	1.3	58
1681	Molecular level separation of crude oil/water emulsion on carbon nanotube surface induced by weak interaction: a molecular dynamic simulation study. Journal of Dispersion Science and Technology, 2020, 41, 1991-2001.	1.3	4

#	Article	IF	Citations
1682	Hydrogen production through glycerol steam reforming over beehive-biomimetic graphene-encapsulated nickel catalysts. Renewable Energy, 2020, 145, 2647-2657.	4.3	18
1683	Preparation, thermal and mechanical properties of poly (etherâ€imide) composite reinforced with carbon nanotube buckypaper. Journal of Applied Polymer Science, 2020, 137, 48330.	1.3	9
1684	Radiolabeling of amide functionalized multi-walled carbon nanotubes for bioaccumulation study in fish bone using whole-body autoradiography. Environmental Science and Pollution Research, 2020, 27, 3756-3767.	2.7	8
1685	A facile strategy for Co3O4/Co nanoparticles encapsulated in porous N-doped carbon nanofibers towards enhanced lithium storage performance. Journal of Porous Materials, 2020, 27, 1-9.	1.3	12
1686	Surface functionalization of carbon nanotubes by biological adhesive polymers carbopol for developing highâ€permittivity polymer composites. Journal of Vinyl and Additive Technology, 2020, 26, 165-172.	1.8	1
1687	An insight into the novel covalent functionalization of multi-wall carbon nanotubes with pseudopeptide backbones for palladium nanoparticles immobilization: A versatile catalyst towards diverse cross-coupling reactions in bio-based solvents. Polyhedron, 2020, 175, 114238.	1.0	14
1688	Highly efficient solar light-driven photocatalytic hydrogen production over Cu/FCNTs-titania quantum dots-based heterostructures. Journal of Environmental Management, 2020, 254, 109747.	3.8	111
1689	Tuning the composition and morphology of carbon nanotube-copper interface. Carbon, 2020, 157, 583-593.	5.4	21
1690	Hybrids of Bowl-like and Crumpled Hollow Carbon Particles Synthesized through Encapsulation Templating. Langmuir, 2020, 36, 130-140.	1.6	4
1692	Experimental methods in chemical engineering: Thermogravimetric analysisâ€”TGA. Canadian Journal of Chemical Engineering, 2020, 98, 34-43.	0.9	146
1693	A Platelet Graphitic Nanofiberâ€Carbon Nanotube Hybrid for Efficient Oxygen Evolution Reaction. ChemCatChem, 2020, 12, 360-365.	1.8	25
1694	Influence of annealing temperature in nitrogen doped porous carbon balls derived from hypercross-linked polymer of anthracene for supercapacitor applications. Journal of Energy Storage, 2020, 28, 101196.	3.9	36
1695	Electrochemical sensing of hydrogen peroxide using a glassy carbon electrode modified with multiwalled carbon nanotubes and zein nanoparticle composites: application to HepG2 cancer cell detection. Mikrochimica Acta, 2020, 187, 105.	2.5	31
1696	Synthesis of CoV2O6/CNTs composites via ultrasound as electrode materials for supercapacitors. Journal of Materials Science: Materials in Electronics, 2020, 31, 2388-2397.	1.1	18
1697	Low-temperature rapid synthesis of high-stable carbon dots and its application in biochemical sensing. Dyes and Pigments, 2020, 175, 108184.	2.0	29
1698	An effective utilization of MXene and its effect on electromagnetic interference shielding: flexible, free-standing and thermally conductive composite from MXeneâ€“PATâ€“poly(p-aminophenol)â€“polyaniline co-polymer. RSC Advances, 2020, 10, 1613-1633.	1.7	65
1699	In situ preparation of magnetic nickel-containing functionalized carbon nanotubes to support palladium as a catalyst for the Heck reaction. Applied Catalysis A: General, 2020, 591, 117405.	2.2	19
1700	Mechanisms for cadmium adsorption by magnetic biochar composites in an aqueous solution. Chemosphere, 2020, 246, 125701.	4.2	159

#	Article	IF	Citations
1701	Enhanced tribological performance of alumina composites reinforced with acid-treated carbon nanotubes under water lubrication. Diamond and Related Materials, 2020, 101, 107657.	1.8	7
1702	Immobilization of recombinant Escherichia coli on multi-walled carbon nanotubes for xylitol production. Enzyme and Microbial Technology, 2020, 135, 109495.	1.6	21
1703	An innovative lanthanum carbonate grafted microfibrous composite for phosphate adsorption in wastewater. Journal of Hazardous Materials, 2020, 392, 121952.	6.5	95
1704	Effects of oxidizing procedures on carbon nanofibers surface and dispersability in an epoxy resin. Materials Chemistry and Physics, 2020, 243, 122571.	2.0	5
1705	Biotribological properties of Ti-6Al-4V alloy treated with self-assembly multi-walled carbon nanotube coating. Surface and Coatings Technology, 2020, 382, 125169.	2.2	19
1706	Enhanced Heavy Metal Removal from Acid Mine Drainage Wastewater Using Double-Oxidized Multiwalled Carbon Nanotubes. Molecules, 2020, 25, 111.	1.7	49
1707	Enhancement of strength and ductility by interfacial nano-decoration in carbon nanotube/aluminum matrix composites. Carbon, 2020, 159, 201-212.	5.4	73
1708	Removal of perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) from water by carbonaceous nanomaterials: A review. Critical Reviews in Environmental Science and Technology, 2020, 50, 2379-2414.	6.6	71
1709	CO2/CH4 adsorption over functionalized multi-walled carbon nanotubes; an experimental study, isotherms analysis, mechanism, and thermodynamics. Microporous and Mesoporous Materials, 2020, 294, 109883.	2.2	48
1710	Outcome of using olive oils for MWCNT functionalization and the influence of â€“OH modified MWCNTs on PA and PBT nano-composites. Materials Today: Proceedings, 2020, 28, 408-419.	0.9	2
1711	Thermo-mechanical properties of epoxy nanocomposites incorporating amino acid and acid functionalized multi-walled carbon nanotubes. Journal of Composite Materials, 2020, 54, 1847-1861.	1.2	7
1712	Hierarchical Tubularâ€Structured MoSe‹sub›2‹/sub› Nanosheets/Nâ€Doped Carbon Nanocomposite with Enhanced Sodium Storage Properties. ChemSusChem, 2020, 13, 1546-1555.	3.6	45
1713	Novel Co1-xS/C-3 supported on N-doped ketjen black as an efficient electrocatalyst for oxygen reduction reaction in alkaline media. Journal of the Taiwan Institute of Chemical Engineers, 2020, 106, 215-226.	2.7	3
1714	Iron-loaded carbon nanotube-microfibrous composite for catalytic wet peroxide oxidation of m-cresol in a fixed bed reactor. Environmental Science and Pollution Research, 2020, 27, 6338-6351.	2.7	18
1715	Thermal properties enhancement of epoxy resins by incorporating polybenzimidazole nanofibers filled with graphene and carbon nanotubes as reinforcing material. Polymer Testing, 2020, 82, 106317.	2.3	52
1716	High-entropy alloy nanoparticles on aligned electronspun carbon nanofibers for supercapacitors. Journal of Alloys and Compounds, 2020, 822, 153642.	2.8	64
1717	The effect of compatibility and dimensionality of carbon nanofillers on cement composites. Construction and Building Materials, 2020, 232, 117141.	3.2	47
1718	Effect of H bonds on thermal behavior and cohesion in polylactic acid nanocomposites and nitrogen-doped carbon nanotubes. Journal of Materials Science, 2020, 55, 3354-3368.	1.7	5

#	Article	IF	Citations
1719	Technological challenges and progress in nanomaterials plasma surface modification â€“ A review. Materials Science and Engineering Reports, 2020, 139, 100521.	14.8	60
1720	Bioelectrocatalysis at carbon nanotubes. Methods in Enzymology, 2020, 630, 215-247.	0.4	13
1721	Epoxy/CNT@X nanocomposite: Improved quasi-static, dynamic fracture toughness, and conductive functionalities by non-ionic surfactant treatment. Polymer Testing, 2020, 81, 106256.	2.3	15
1722	Acrylic acid grafted-multi-walled carbon nanotubes and their high-efficiency adsorption of methylene blue. Journal of Materials Science, 2020, 55, 4656-4670.	1.7	36
1723	Highly enhanced field emission from copper oxide nanoparticle decorated vertically aligned carbon nanotubes: Role of interfacial electronic structure. Applied Surface Science, 2020, 508, 145215.	3.1	22
1724	Advancements in Microfabricated Gas Sensors and Microanalytical Tools for the Sensitive and Selective Detection of Odors. Sensors, 2020, 20, 5478.	2.1	27
1725	Fabrication and characterization of functionalized multi-walled carbon nanotube mixed-matrix membrane for treating biochemical and chemical oxygen demands of surface waters. Diamond and Related Materials, 2020, 109, 108074.	1.8	3
1726	Use of nanohybrid nanomaterials in water treatment: highly efficient removal of ranitidine. RSC Advances, 2020, 10, 37050-37063.	1.7	10
1727	Oxygen Functional Groups on MWCNT Surface as Critical Factor Boosting T2 Relaxation Rate of Water Protons: Towards Improved CNT-Based Contrast Agents . International Journal of Nanomedicine, 2020, Volume 15, 7433-7450.	3.3	13
1728	Acid/Base-Treated Activated Carbon Catalysts for the Low-Temperature Endothermic Cracking of N-Dodecane with Applications in Hypersonic Vehicle Heat Management Systems. Catalysts, 2020, 10, 1149.	1.6	12
1729	Proteomic exploration of soft and hard biocorona onto PEGylated multiwalled carbon nanotubes. Biotechnology and Applied Biochemistry, 2021, 68, 1003-1013.	1.4	6
1730	Encapsulation of Se into Hierarchically Porous Carbon Microspheres with Optimized Pore Structure for Advanced Naâ€“Se and Kâ€“Se Batteries. ACS Nano, 2020, 14, 13203-13216.	7.3	86
1731	Carbon nanotube embedded cyclodextrin polymer derived injectable nanocarrier: A multiple faceted platform for stimulation of multi-drug resistance reversal. Carbohydrate Polymers, 2020, 247, 116751.	5.1	39
1732	Electrocatalytic reduction of carbon dioxide on goldâ€“copper bimetallic nanoparticles: Effects of surface composition on selectivity. Electrochimica Acta, 2020, 356, 136756.	2.6	24
1733	Synthesis and characterization of carbon-encapsulated magnetite, martensite and iron nanoparticles by high-energy ball milling method. Materials Characterization, 2020, 167, 110502.	1.9	13
1734	Use of iron mining tailings from dams for carbon nanotubes synthesis in fluidized bed for 17Î±-ethinylestradiol removal. Environmental Pollution, 2020, 260, 114099.	3.7	20
1735	Trends in sorbent development for dispersive micro-solid phase extraction. Microchemical Journal, 2020, 158, 105250.	2.3	99
1736	Effects of functionalization and annealing in enhancing the interfacial bonding and mechanical properties of 3D printed fiber-reinforced composites. Materials Today Communications, 2020, 25, 101365.	0.9	18

#	Article	IF	Citations
1737	Flame synthesis of carbon nanotubes on glass fibre fabrics and their enhancement in electrical and thermal properties of glass fibre/epoxy composites. Composites Part B: Engineering, 2020, 198, 108249.	5.9	22
1738	Green synthesis of sulfonated organosilane functionalized multiwalled carbon nanotubes and its catalytic activity for one-pot conversion of high free fatty acid seed oil to biodiesel. Journal of Cleaner Production, 2020, 275, 123146.	4.6	25
1739	Synthesis, characterization of carbon adsorbents derived from waste biomass and its application to CO2 capture. Applied Surface Science, 2020, 530, 147226.	3.1	41
1740	Increased Adsorption of Heavy Metal Ions in Multi-Walled Carbon Nanotubes with Improved Dispersion Stability. Molecules, 2020, 25, 3106.	1.7	36
1741	Discrete carbon nanotubes promote resistance to corrosion in lead-acid batteries by altering the grid-active material interface. Journal of Energy Storage, 2020, 32, 101983.	3.9	8
1742	Oxygen Defect Engineering toward the Length-Selective Tailoring of Carbon Nanotubes via a Two-Step Electrochemical Strategy. Journal of Physical Chemistry C, 2020, 124, 27097-27106.	1.5	10
1743	Functionalization of Carbon Surfaces Tunes the Redox Stability of Polyoxometalate@Carbon Electrodes. ACS Applied Energy Materials, 2020, 3, 12308-12315.	2.5	6
1744	Pressureless and Low-Pressure Synthesis of Microporous Carbon Spheres Applied to CO2 Adsorption. Molecules, 2020, 25, 5328.	1.7	11
1745	Analysis of Mechanical Behavior of Multi-functional CFRP under Bending and DCB Mode-I Fracture. Procedia Structural Integrity, 2020, 28, 2206-2217.	0.3	0
1746	Modification of multiwalled carbon nanotubes with a ruthenium drug candidateâ€"indazolium[tetrachlorobis(1H-indazole)ruthenate(<scp>iii</scp>)] (KP1019). Dalton Transactions, 2020, 49, 16791-16800.	1.6	3
1747	A threeâ€dimensional static analysis of embedded singleâ€walled carbon nanotubes using the perturbation method. Mathematical Methods in the Applied Sciences, 0, , .	1.2	1
1748	One-step preparation of a N-CNTs@Ni foam electrode material with the co-production of H2 by catalytic reforming of N-containing compound of biomass tar. Fuel, 2020, 280, 118601.	3.4	9
1749	FeOx/MnOy modified oxidized carbon nanotubes as peroxymonosulfate activator for organic pollutants degradation. Journal of Colloid and Interface Science, 2020, 580, 803-813.	5.0	44
1750	Effect of surface treatment on enhancing interfacial strength of carbon fiber/polyimide composites. Journal of Thermoplastic Composite Materials, 2022, 35, 708-719.	2.6	9
1751	A waste newspaper/multi-walled carbon nanotube/TiO₂ interlayer for improving the cycling stability of lithiumâ€"sulfur batteries by anchoring polysulfides. Dalton Transactions, 2020, 49, 11675-11681.	1.6	10
1752	Improved electrocatalytic performance for nanosensor comprising alkaline treated MWCNTs for dopamine detection. Sensors International, 2020, 1, 100024.	4.9	1
1753	A semiconductor-insulator heterojunction induced by hydroxyl groups formed on the surface of SiO2 microspheres. Applied Surface Science, 2020, 531, 147385.	3.1	16
1754	Wire-drawing process with graphite lubricant as an industrializable approach to prepare graphite coated stainless-steel anode for bioelectrochemical systems. Environmental Research, 2020, 191, 110093.	3.7	16

#	Article	IF	Citations
1755	Glucose sensing by a glassy carbon electrode modified with glucose oxidase/chitosan/graphene oxide nanofibers. Diamond and Related Materials, 2020, 109, 108073.	1.8	26
1756	Stainless steel weld metal enhanced with carbon nanotubes. Scientific Reports, 2020, 10, 17977.	1.6	6
1757	Carbon Nanotubes Modified with Oxygen- and Nitrogen-Containing Groups as Perspective Catalysts for the Oxygen Electroreduction Reaction. Russian Journal of Electrochemistry, 2020, 56, 809-820.	0.3	6
1758	Nanocomposite hydrogel-based strain and pressure sensors: a review. Journal of Materials Chemistry A, 2020, 8, 18605-18623.	5.2	230
1759	Influence of Oxygen-Containing Functional Groups on the Environmental Properties, Transformations, and Toxicity of Carbon Nanotubes. Chemical Reviews, 2020, 120, 11651-11697.	23.0	84
1760	New water-based fluorescent nanofluid containing 2D titanium carbide MXene sheets: a comparative study of its thermophysical, electrical and optical properties with amine and carboxyl covalently functionalized graphene nanoplatelets. Journal of Thermal Analysis and Calorimetry, 2020, , 1.	2.0	7
1761	Deep Eutectic Solvent Assisted Dispersion of Carbon Nanotubes in Water. Frontiers in Chemistry, 2020, 8, 808.	1.8	16
1762	Enzymatic synthesis and electrochemical characterization of sodium 1,2-naphthoquinone-4-sulfonate-doped PEDOT/MWCNT composite. RSC Advances, 2020, 10, 33010-33017.	1.7	10
1763	Effective removal of toluene at near room temperature using cyclic adsorption-oxidation operation in alternative fixed-bed plasma-catalytic reactor. Chemical Engineering Research and Design, 2020, 164, 299-310.	2.7	11
1764	Catalytic Dehydrogenation on Carbon. Solid Fuel Chemistry, 2020, 54, 345-353.	0.2	3
1765	Magnetic properties and microwave absorption characteristic of MWNT filled with magnetite coated iron nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114760.	1.7	11
1766	Selective nitrogen doping of graphene due to preferential healing of plasma-generated defects near grain boundaries. Npj 2D Materials and Applications, 2020, 4, .	3.9	8
1767	Adsorbate-Induced Structural Evolution of Pd Catalyst for Selective Hydrogenation of Acetylene. ACS Catalysis, 2020, 10, 15048-15059.	5.5	50
1768	The Importance of Evaluating the Lot-to-Lot Batch Consistency of Commercial Multi-Walled Carbon Nanotube Products. Nanomaterials, 2020, 10, 1930.	1.9	3
1769	Mechanical, Electrical, and Thermal Properties of Carbon Nanotube Buckypapers/Epoxy Nanocomposites Produced by Oxidized and Epoxidized Nanotubes. Materials, 2020, 13, 4308.	1.3	17
1770	The Influence of Electric Fields on Self-Organization Processes in an Ultradispersed Solution of Multi-Walled Carbon Nanotubes. Technical Physics, 2020, 65, 254-263.	0.2	0
1771	Functionalized Graphene Nanoparticles Induce Human Mesenchymal Stem Cells to Express Distinct Extracellular Matrix Proteins Mediating Osteogenesis . International Journal of Nanomedicine, 2020, Volume 15, 2501-2513.	3.3	27
1772	Functionalized Carbon Nanostructures Versus Drug Resistance: Promising Scenarios in Cancer Treatment. Molecules, 2020, 25, 2102.	1.7	13

#	Article	IF	Citations
1773	Preparation, Characterization and Properties of Montmorillonite Modified PTFE/Glass Fiber Composites. Fibers and Polymers, 2020, 21, 1126-1133.	1.1	6
1774	Cryogenic mechanical properties and failure mechanism of epoxy nanocomposites modified by multiwalled carbon nanotubes with tunable oxygenâ€containing groups on surface. Journal of Applied Polymer Science, 2020, 137, 49266.	1.3	5
1775	Bimetallic manganese-vanadium functionalized N,S-doped carbon nanotubes as efficient oxygen evolution and oxygen reduction electrocatalysts. Applied Catalysis B: Environmental, 2020, 277, 119195.	10.8	76
1776	Performance and emission characteristics of a diesel engine fueled with functionalized multi-wall carbon nanotubes (MWCNTs-OH) and dieselâ€“biodieselâ€“bioethanol blends. Energy Reports, 2020, 6, 1438-1447.	2.5	58
1777	Fabrication of CNTs-Ag-TiO2 ternary structure for enhancing visible light photocatalytic degradation of organic dye pollutant. Materials Chemistry and Physics, 2020, 248, 122873.	2.0	42
1778	Studying the bactericidal ability and biocompatibility of gold and gold oxide nanoparticles decorating on multi-wall carbon nanotubes. Chemical Papers, 2020, 74, 4033-4046.	1.0	32
1779	Preparation of polyimide/multiâ€walled carbon nanotubes composite aerogels with anisotropic properties. Journal of Applied Polymer Science, 2020, 137, 49357.	1.3	13
1780	Plasma-jet-induced programmable wettability on stretchable carbon nanotube films. Materials Today Physics, 2020, 14, 100227.	2.9	10
1781	Carbon black-supported FMâ€“Nâ€“C (FM = Fe, Co, and Ni) single-atom catalysts synthesized by the self-catalysis of oxygen-coordinated ferrous metal atoms. Journal of Materials Chemistry A, 2020, 8, 13166-13172.	5.2	27
1782	Efficient As(III) Removal by Novel MoS₂-Impregnated Fe-Oxideâ€“Biochar Composites: Characterization and Mechanisms. ACS Omega, 2020, 5, 13224-13235.	1.6	19
1783	Binder-free organic cathode based on nitroxide radical polymer-functionalized carbon nanotubes and gel polymer electrolyte for high-performance sodium organic polymer batteries. Journal of Materials Chemistry A, 2020, 8, 17980-17986.	5.2	25
1784	High-performance nanoporous aramid films reinforced with functionalized carbon nanocharges using ionic liquids. Polymer, 2020, 202, 122629.	1.8	4
1785	NiO@C and Ni@C Nanoparticles: Synthesis, Characterization and Magnetic Properties. Nano, 2020, 15, 2050072.	0.5	4
1786	Transition metal impurities in carbon-based materials: Pitfalls, artifacts and deleterious effects. Carbon, 2020, 168, 748-845.	5.4	102
1787	Zero field cooled exchange bias effect in nano-crystalline Mg-ferrite thin film. AIP Advances, 2020, 10, 035324.	0.6	9
1788	Oxidation time effects of <scp>multiwalled</scp> carbon nanotubes on thermal, mechanical, and cure kinetics of <scp>epoxyâ€based</scp> nanocomposites. Polymer Composites, 2020, 41, 3966-3984.	2.3	7
1789	Microstructural Evolution and Mechanical Properties of Multiwall Carbon Nanotubes Reinforced Titanium-Based Nanocomposites Developed by Spark Plasma Sintering. Metals and Materials International, 2021, 27, 4869-4885.	1.8	2
1790	Rare earth metal lanthanum-organic frameworks derived three-dimensional mesoporous interconnected carbon nanosheets for advanced energy storage. Electrochimica Acta, 2020, 353, 136597.	2.6	13

#	Article	IF	Citations
1791	Band structure, work function and interfacial diagrams of oxygen-functionalized carbon nano-onions. Synthetic Metals, 2020, 266, 116434.	2.1	10
1792	Surface modification of multiwall carbon nanotubes by electrochemical anodic oxidation. New Carbon Materials, 2020, 35, 155-164.	2.9	12
1793	ZnO-rGO nanocomposite based bioelectrode for sensitive and ultrafast detection of dopamine in human serum. Biosensors and Bioelectronics, 2020, 165, 112347.	5.3	54
1794	Carbon nanoparticles production using solvent assisted hydrothermal carbonization. Diamond and Related Materials, 2020, 108, 107960.	1.8	7
1795	Molecular Interpretation of Pharmaceuticalsâ€™ Adsorption on Carbon Nanomaterials: Theory Meets Experiments. Processes, 2020, 8, 642.	1.3	29
1796	Capacitance Enhancement by Incorporation of Functionalised Carbon Nanotubes into Poly(3,4-Ethylenedioxythiophene)/Graphene Oxide Composites. Materials, 2020, 13, 2419.	1.3	7
1797	Bottom-up synthesis of highly soluble carbon materials. Journal of Materials Science, 2020, 55, 11808-11828.	1.7	19
1798	Study of cytotoxicity performance of carbon nanohorns by method of spin probes. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 737-744.	1.0	3
1799	Large-sized graphene oxide synergistically enhances parenchymal hepatocyte IL-6 expression monitored by dynamic imaging. Nanoscale, 2020, 12, 8147-8158.	2.8	12
1800	Roles of Oxygen Functional Groups in Carbon Nanotubesâ€Supported Ag Catalysts for Electrochemical Conversion of CO₂ to CO. ChemElectroChem, 2020, 7, 1869-1876.	1.7	12
1801	Magnetite nanoparticles decorated on multi-walled carbon nanotubes for removal of Cu2+ from aqueous solution. Environmental Technology (United Kingdom), 2020, 42, 1-9.	1.2	6
1802	A hybrid Pt/NbO/CNTs catalyst with high activity and durability for oxygen reduction reaction in PEMFC. Renewable Energy, 2020, 154, 913-924.	4.3	40
1803	Vacancy enriched ultrathin TiMgAl-layered double hydroxide/graphene oxides composites as highly efficient visible-light catalysts for CO2 reduction. Applied Catalysis B: Environmental, 2020, 270, 118878.	10.8	53
1804	Phosphorus-modulated controllably oxidized carbon nanotube architectures for the ultrahigh energy density of pseudocapacitive capacitors. Electrochimica Acta, 2020, 341, 136044.	2.6	18
1805	TGA/Chemometrics addressing innovative preparation strategies for functionalized carbon nanotubes. Journal of Pharmaceutical Analysis, 2020, 10, 351-355.	2.4	21
1806	Tunable acidity in mesoporous carbons for hydrolysis reactions. New Journal of Chemistry, 2020, 44, 5873-5883.	1.4	5
1807	Flexible high dielectric thin films based on cellulose nanofibrils and acid oxidized multi-walled carbon nanotubes. RSC Advances, 2020, 10, 10799-10805.	1.7	29
1808	Donorâ€“Acceptor Charge Migration System of Superhydrophilic Covalent Triazine Framework and Carbon Nanotube toward High Performance Solar Thermal Conversion. ACS Energy Letters, 2020, 5, 1300-1306.	8.8	47

#	Article	IF	Citations
1809	Chitosan-wrapped multiwalled carbon nanotube as filler within PEBA thin film nanocomposite (TFN) membrane to improve dye removal. Carbohydrate Polymers, 2020, 237, 116128.	5.1	150
1810	Roll-to-roll treatment of silk thread by a compact, single-step cold atmospheric plasma: hydrophobicity and mechanical properties. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	3
1811	Preparation of TiO2/CNTs nanocomposite and its catalytic performance on the thermal decomposition of ammonium perchlorate. Transition Metal Chemistry, 2020, 45, 545-551.	0.7	10
1812	Plasma-polymerized C60-coated CNT interlayer with physical and chemical functions for lithiumâ€“sulfur batteries. Chemical Engineering Journal, 2020, 401, 126075.	6.6	43
1813	Negative effects on the leaves of submerged macrophyte and associated biofilms growth at high nitrate induced-stress. Aquatic Toxicology, 2020, 226, 105559.	1.9	7
1814	Fabricating C and O co-doped carbon nitride with intramolecular donor-acceptor systems for efficient photoreduction of CO2 to CO. Applied Catalysis B: Environmental, 2020, 268, 118736.	10.8	130
1815	Impact of pore structure on hydroxyapatite supported nickel catalysts (Ni/HAP) for dry reforming of methane. Fuel Processing Technology, 2020, 202, 106359.	3.7	43
1816	Effective functionalisation of carbon nanotubes for reinforcement application in liquid state processed aluminium composites: A relatively greener approach. Journal of Composite Materials, 2020, 54, 2943-2951.	1.2	4
1817	The effects of different factors on the removal mechanism of Pb(<scp>ii</scp>) by biochar-supported carbon nanotube composites. RSC Advances, 2020, 10, 5988-5995.	1.7	15
1818	OCNTs encapsulating Fe-Co PBA as efficient chainmail-like electrocatalyst for enhanced heterogeneous electro-Fenton reaction. Applied Catalysis B: Environmental, 2020, 269, 118785.	10.8	84
1819	Study of the aging process of nanostructured porous carbon-based electrodes in electrochemical capacitors filled with aqueous or organic electrolytes. Journal of Energy Storage, 2020, 28, 101249.	3.9	15
1820	Chemical Wet Oxidation of Carbon Nanotubes for Electrochemical Determination of Methyl Parathion. Journal of Analytical Chemistry, 2020, 75, 119-126.	0.4	23
1821	Preparation and electrochemical properties of sucrose-based porous carbon materials by combustion expansion-chemical activation method. Journal of Applied Electrochemistry, 2020, 50, 549-558.	1.5	7
1822	Ultimate Eradication of the Ciprofloxacin Antibiotic from the Ecosystem by Nanohybrid GO/O-CNTs. ACS Omega, 2020, 5, 4457-4468.	1.6	24
1823	Adsorption Characteristics and Mechanism of Bisphenol A by Magnetic Biochar. International Journal of Environmental Research and Public Health, 2020, 17, 1075.	1.2	67
1824	Evaluation of the catalytic properties of carbon nanotubes dispersed in amino trimethyl phosphonic acid and nonylphenol. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 603-610.	1.0	3
1825	In situ x-ray photoelectron spectroscopy study of lithium carbonate removal from garnet-type solid-state electrolyte using ultra high vacuum techniques. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	0.9	11
1826	Tangled silver nanoparticles embedded polythiophene-functionalized multiwalled carbon nanotube nanocomposites with remarkable electrical and thermal properties. Polymer, 2020, 189, 122171.	1.8	18

#	Article	IF	Citations
1827	Novel synthesis route for preparation of porous nitrogen-doped carbons from lignocellulosic wastes for high performance supercapacitors. Journal of Alloys and Compounds, 2020, 827, 154116.	2.8	27
1828	Effect of Carbon Nanotubes (CNT) Functionalization and Maleic Anhydride-Grafted Poly(trimethylene) Tj ETQq1 1 0.784314 rgBT /Overl Journal of Composites Science, 2020, 4, 44.	1.4	20
1829	The Effect of Different Oxygen Surface Functionalization of Carbon Nanotubes on the Electrical Resistivity and Strain Sensing Function of Cement Pastes. Nanomaterials, 2020, 10, 807.	1.9	12
1830	The use of acids in the exfoliation of carbon nanotubes and its application toward fabricating chemically stable and highly conducting transparent films. Applied Surface Science, 2020, 515, 146027.	3.1	12
1831	Nanocomposites of polybenzoxazine-functionalized multiwalled carbon nanotubes and polybenzoxazine for anticorrosion application. Composites Science and Technology, 2020, 194, 108169.	3.8	42
1832	Physical functionalization of multi-walled carbon nanotubes for enhanced dispersibility in aqueous medium. Emergent Materials, 2020, 3, 25-32.	3.2	25
1833	Feedforward Artificial Neural Network-Based Model for Predicting the Removal of Phenolic Compounds from Water by Using Deep Eutectic Solvent-Functionalized CNTs. Molecules, 2020, 25, 1511.	1.7	11
1834	Atomic layer deposition and electrospinning as membrane surface engineering methods for water treatment: a short review. Environmental Science: Water Research and Technology, 2020, 6, 1765-1785.	1.2	12
1835	Bacterial attachment to oxygen-functionalized graphenic surfaces. Materials Science and Engineering C, 2020, 113, 110972.	3.8	26
1836	Effect of preparation methods of graphene oxide on permeability of free-standing membranes against polar and nonpolar species. Soft Materials, 2021, 19, 24-39.	0.8	3
1837	Synthesis of substituted 2Hâ€chromenes catalyzed by lipase immobilized on magnetic multiwalled carbon nanotubes. Biotechnology and Applied Biochemistry, 2021, 68, 411-416.	1.4	6
1838	Multi-walled carbon nanotubes and activated carbon composite material as electrodes for electrochemical capacitors. Journal of Energy Storage, 2021, 33, 100738.	3.9	20
1839	Functionalisation of multiwalled carbon nanotubes with melamine phosphate and their influence on morphology, thermal stability, flame retardancy and mechanical properties of ABS. Plastics, Rubber and Composites, 2021, 50, 92-103.	0.9	3
1840	Biochar cathode: Reinforcing electro-Fenton pathway against four-electron reduction by controlled carbonization and surface chemistry. Science of the Total Environment, 2021, 754, 142136.	3.9	40
1841	Effect of thermochemical treatment on the state of SWNT and on the electrical conductivity of epoxy-SWNT composites. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 251-257.	1.0	1
1842	Rapeseed meal-based autochthonous N and S-doped non-metallic porous carbon electrode material for oxygen reduction reaction catalysis. International Journal of Hydrogen Energy, 2021, 46, 508-517.	3.8	20
1843	Evaluation of performance and emission characteristics of a CI engine using functional multi-walled carbon nanotubes (MWCNTs-COOH) additives in biodiesel-diesel blends. Fuel, 2021, 287, 119525.	3.4	27
1844	Similar toxicity mechanisms between graphene oxide and oxidized multi-walled carbon nanotubes in Microcystis aeruginosa. Chemosphere, 2021, 265, 129137.	4.2	29

#	Article	IF	Citations
1845	Room-temperature ferromagnetism in hydrothermally treated fullerene. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114540.	1.3	1
1846	Effective removal of nickel ions from aqueous solution using multi-wall carbon nanotube functionalized by glycerol-based deep eutectic solvent. Colloids and Interface Science Communications, 2021, 40, 100347.	2.0	34
1847	Electrochemical activation to enhance the volumetric performance of carbon nanotube electrodes. Applied Surface Science, 2021, 541, 148448.	3.1	21
1848	TiO2 nanoparticle embedded nitrogen doped electrospun helical carbon nanofiber-carbon nanotube hybrid anode for lithium-ion batteries. International Journal of Hydrogen Energy, 2021, 46, 2464-2478.	3.8	21
1849	Performance enhancement of carbon nanotube/silicon solar cell by solution processable MoO. Applied Surface Science, 2021, 542, 148682.	3.1	11
1850	Multiwalled carbon nanotubes/castorâ€oilâ€“based waterborne polyurethane nanocomposite prepared using a solventâ€free method. Polymers for Advanced Technologies, 2021, 32, 1038-1048.	1.6	6
1851	Anisotropically Functionalized Nanotube Anchors for Improving the Mechanical Strength of Immiscible Polymer Composites. ACS Applied Nano Materials, 2021, 4, 580-589.	2.4	3
1852	Effect of xGnP/MWCNT reinforcement on mechanical, wear behavior and crystallographic texture of copper-based metal matrix composite. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 263, 114888.	1.7	5
1853	Effect of microwave assisted solvothermal process parameters on carbon dioxide adsorption properties of microporous carbon materials. Microporous and Mesoporous Materials, 2021, 314, 110829.	2.2	8
1854	Defect-rich porous carbon with anti-interference capability for adsorption of bisphenol A via long-range hydrophobic interaction synergized with short-range dispersion force. Journal of Hazardous Materials, 2021, 403, 123705.	6.5	66
1855	Heteroatoms (N, F, O)-Doped CNTs on NiCo-Silica Nanocomposites for Oxygen Evolution Reaction. Arabian Journal for Science and Engineering, 2021, 46, 395-406.	1.7	14
1856	Calorimetric, NEXAFS and XPS studies of MWCNTs with low defectiveness. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 331-336.	1.0	9
1857	Spatially isolated redox processes enabled by ambipolar charge transport in multi-walled carbon nanotube mats. Materials Horizons, 2021, 8, 1304-1313.	6.4	3
1858	Carbon Nanotube and Ethylene-Vinyl Acetate Based Soft Nanocomposite Film: Preparation and Characterization. Asian Journal of Chemistry, 2021, 33, 1656-1662.	0.1	1
1859	The Chemistry in Surface Functionalization of Nanoparticles for Molecular Imaging. , 2021, , 493-516.		4
1860	High-Performance Thermoelectric Fabric Based on a Stitched Carbon Nanotube Fiber. ACS Applied Materials & Interfaces, 2021, 13, 6257-6264.	4.0	43
1861	Efficient Adsorption of Methylene Blue by Porous Biochar Derived from Soybean Dreg Using a One-Pot Synthesis Method. Molecules, 2021, 26, 661.	1.7	29
1862	Fabrication of carbon nanotube reinforced aluminum alloy composites by vacuum-assisted infiltration technique. Journal of Composite Materials, 2021, 55, 2225-2235.	1.2	2

#	Article	IF	Citations
1863	Functionalized carbon nanotubes: synthesis, properties and applications in water purification, drug delivery, and material and biomedical sciences. Nanoscale Advances, 2021, 3, 5722-5744.	2.2	118
1864	Improvement of the electromechanical properties of thermoplastic polyurethane composite by ionic liquid modified multiwall carbon nanotubes. E-Polymers, 2021, 21, 166-178.	1.3	7
1865	Anchoring Metallic MoS₂ Quantum Dots over MWCNTs for Highly Sensitive Detection of Postharvest Fungicide in Traditional Chinese Medicines. ACS Omega, 2021, 6, 1488-1496.	1.6	19
1866	Effects of Oxygen Plasma Treatments on Surface Functional Groups and Shear Strength of Carbon Fiber Composites. ACS Applied Polymer Materials, 2021, 3, 986-995.	2.0	23
1867	Solvent-Free Ultrasonic Dispersion of Nanofillers in Epoxy Matrix. Polymers, 2021, 13, 308.	2.0	7
1868	Functionalization of multi-walled carbon nanotube and its effect on shape memory behavior of nanocomposite based on thermoplastic polyurethane/polyvinyl chloride/multi-walled carbon nanotube (TPU/PVC/MWCNT). Iranian Polymer Journal (English Edition), 2021, 30, 411-422.	1.3	6
1869	Cu/Cu2O heterojunctions in carbon framework for highly sensitive detection of glucose. Journal of Electroanalytical Chemistry, 2021, 882, 115040.	1.9	23
1870	Foldable Perovskite Solar Cells Using Carbon Nanotubeâ€Embedded Ultrathin Polyimide Conductor. Advanced Science, 2021, 8, 2004092.	5.6	60
1871	<scp>Magnetoâ€dielectric</scp>and<scp>magnetoâ€conducting</scp>fillers based polymer composites: Effect of functionalization, coating and dispersion process on electromagnetic shielding properties. Journal of Applied Polymer Science, 2021, 138, 50602.	1.3	2
1872	Interfacial reaction and shear strength of ultrasonically-assisted Sn-Ag-Cu solder joint using composite flux. Journal of Manufacturing Processes, 2021, 62, 291-301.	2.8	41
1873	High Performance Supercapacitors Based on Mesopore Structured Multiwalled Carbon Nanotubes. ChemistryOpen, 2021, 10, 347-351.	0.9	7
1874	Nitrogen and boron doped carbon layer coated multiwall carbon nanotubes as high performance anode materials for lithium ion batteries. Scientific Reports, 2021, 11, 5633.	1.6	20
1875	Carbon Nanotube Films for Energy Applications. Energies, 2021, 14, 1890.	1.6	5
1876	Understanding the oxygen-containing functional groups on multiwall carbon nanotubes towardÂsupercapacitors. Materials Today Chemistry, 2021, 19, 100414.	1.7	6
1877	Alkynyl-functionalization of carbon nanotubes to promote anchoring potential in glycidyl azide polymer-based binders via Huisgen reaction for solid propellant application. Journal of Polymer Research, 2021, 28, 1.	1.2	3
1878	Sulfur-Modified Carbon Nanotubes for the Development of Advanced Elastomeric Materials. Polymers, 2021, 13, 821.	2.0	3
1879	Electroanalytical Determination of Estrone in Seawater Samples Using Functionalized Multiwalled Carbon Nanotubes. Electroanalysis, 2021, 33, 1264-1270.	1.5	4
1880	The Localization Behavior of Different CNTs in PC/SAN Blends Containing a Reactive Component. Molecules, 2021, 26, 1312.	1.7	2

#	Article	IF	Citations
1881	Degradation of Carbon Electrodes in the Allâ€Vanadium Redox Flow Battery. ChemSusChem, 2021, 14, 2100-2111.	3.6	14
1882	Constructing Hybrids Consisting of Porous Silica Particles and Carbon Nanotubes and their Polymer Composites. Applied Composite Materials, 2021, 28, 705-715.	1.3	1
1883	Chemical Functionalization of Carbon Nanotubes with Polymers: A Brief Overview. Macromol, 2021, 1, 64-83.	2.4	65
1884	Mechanical analysis of aligned carbon nanotube bundles under electric field. International Journal of Mechanical Sciences, 2021, 196, 106289.	3.6	5
1885	The Role of Carbon Nanotube Pretreatments in the Adsorption of Benzoic Acid. Materials, 2021, 14, 2118.	1.3	16
1886	Direct writing of electronic circuits using functionalised multi-walled carbon nanotubes and polyvinyl alcohol conductive ink. Advances in Materials and Processing Technologies, 0, , 1-14.	0.8	2
1887	Cutting Methods and Perspectives of Carbon Nanotubes. Journal of Physical Chemistry C, 2021, 125, 9593-9617.	1.5	14
1888	Enhancement of Electrical Conductivity of Aluminum-Based Nanocomposite Produced by Spark Plasma Sintering. Nanomaterials, 2021, 11, 1150.	1.9	5
1889	Improving Hydrothermal Stability of Supported Metal Catalysts for Biomass Conversions: A Review. ACS Catalysis, 2021, 11, 5248-5270.	5.5	86
1890	Hydrogenation and Hydrogenolysis with Ruthenium Catalysts and Application to Biomass Conversion. , 0, , .		0
1891	Functionalization of Single-Walled Carbon Nanotubes with End-Capped Polystyrene via a Single-Step Dielsâ€“Alder Cycloaddition. Polymers, 2021, 13, 1169.	2.0	4
1892	High Electrochemical Performance Silicon Thin-Film Free-Standing Electrodes Based on Buckypaper for Flexible Lithium-Ion Batteries. Materials, 2021, 14, 2053.	1.3	7
1893	Quicker and More Zn²⁺ Storage Predominantly from the Interface. Advanced Materials, 2021, 33, e2100359.	11.1	111
1894	Characterization and selective deposition of carbon nanotubes from carbon nanoparticles mixture using mild acid treatment and electrokinetic manipulation. Materials Research Express, 2021, 8, 055603.	0.8	12
1895	Highly efficient hydrogen peroxide electrosynthesis on oxidized carbon nanotubes by thermally activated-persulfate. Journal of Materiomics, 2022, 8, 136-143.	2.8	4
1896	Preparation of Ultrafiltration Membrane by Polyethylene Glycol Non-Covalent Functionalized Multi-Walled Carbon Nanotubes: Application for HA Removal and Fouling Control. Membranes, 2021, 11, 362.	1.4	8
1897	Effects of Functionalization in Different Conditions and Ball Milling on the Dispersion and Thermal and Electrical Conductivity of MWCNTs in Aqueous Solution. Nanomaterials, 2021, 11, 1323.	1.9	21
1898	2D Electrolytes: Theory, Modeling, Synthesis, and Characterization. Advanced Materials, 2021, 33, 2100442.	11.1	9

#	Article	IF	Citations
1899	Quantitative Surface Characterization of As-Grown and Acid-Treated Single-Walled Carbon Nanotubes: Implications for Functional Materials. ACS Applied Nano Materials, 2021, 4, 5273-5284.	2.4	9
1900	Functionalized Carbon Nanotubes (CNTs) for Water and Wastewater Treatment: Preparation to Application. Sustainability, 2021, 13, 5717.	1.6	66
1901	Spherical Polydopamine-Modified Carbon-Felt Cathode with an Active Indole Structure for Efficient Hydrogen Peroxide Electroproduction. Applied Sciences (Switzerland), 2021, 11, 5371.	1.3	1
1902	Functionalized carbon black in epoxy composites: effect of single- and dual-matrix systems. Polymer Bulletin, 2022, 79, 5437-5455.	1.7	2
1903	Characterization and separation resistance of an in-situ 2D nanocarbon/calcium aluminate composite synthesized via a combustion method. Journal of Asian Ceramic Societies, 2021, 9, 1038-1045.	1.0	3
1904	Influence of moisture on ferroelectricâ€“paraelectric phase transition of a composite containing oxidized MWCNT and TGS. Ferroelectrics, Letters Section, 2021, 48, 13-19.	0.4	6
1905	Synthesis of Highly-Dispersed Graphene Oxide Nanoribbonsâ€“Functionalized Carbon Nanotubesâ€“Graphene Oxide (GNFG) Complex and Its Application in Enhancing the Mechanical Properties of Cementitious Composites. Nanomaterials, 2021, 11, 1669.	1.9	16
1906	Oxidized MWCNTs as an Oxidizing Agent and Dopant in MWCNT@Polypyrrole Composite Formation**. ChemElectroChem, 2021, 8, 3049-3063.	1.7	2
1907	Pretreatment of lignocellulosic waste as a precursor for synthesis of high porous activated carbon and its application for Pb (II) and Cr (VI) adsorption from aqueous solutions. International Journal of Biological Macromolecules, 2021, 180, 299-310.	3.6	40
1908	In Situ Formed Weave Cage-Like Nanostructure Wrapped Mesoporous Micron Silicon Anode for Enhanced Stable Lithium-Ion Battery. ACS Applied Materials & Interfaces, 2021, 13, 29726-29736.	4.0	22
1909	Tailoring the Architecture of Cationic Polymer Brush-Modified Carbon Nanotubes for Efficient siRNA Delivery in Cancer Immunotherapy. ACS Applied Materials & Interfaces, 2021, 13, 30284-30294.	4.0	30
1910	Functionalization as a way to enhance dispersion of carbon nanotubes in matrices: a review. Materials Today Chemistry, 2021, 20, 100477.	1.7	51
1911	Multi-functional 2D hybrid aerogels for gas absorption applications. Scientific Reports, 2021, 11, 13548.	1.6	11
1912	Ablation resistance of graphite coated by spark plasma sintered ZrB2â€“SiC based composites. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, 61, 604-610.	0.9	2
1913	Constructing CNTs-based composite membranes for oil/water emulsion separation via radiation-induced â€œgrafting toâ€•strategy. Carbon, 2021, 178, 678-687.	5.4	28
1914	MWCNT-Reinforced AA7075 Composites: Effect of Reinforcement Percentage on Mechanical Properties. Metals, 2021, 11, 969.	1.0	11
1915	Opposite impacts of chemical oxidation for ofloxacin adsorption on activated carbon and carbon nanotubes. Science of the Total Environment, 2021, 771, 145455.	3.9	11
1916	Thermal and Structural Properties of High Density Polyethylene/Carbon Nanotube Nanocomposites: A Comparison Study. Chemosensors, 2021, 9, 136.	1.8	10

#	Article	IF	Citations
1917	Regeneration and reuse of the carbon nanotubes for the adsorption of selected anticancer drugs from water matrices. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126355.	2.3	18
1918	Degradation of Carbon Nanotube Array Thermal Interface Materials through Thermal Aging: Effects of Bonding, Array Height, and Catalyst Oxidation. ACS Applied Materials & Interfaces, 2021, 13, 30992-31000.	4.0	15
1919	The Influence of Reaction Time on Non-Covalent Functionalisation of P3HT/MWCNT Nanocomposites. Polymers, 2021, 13, 1916.	2.0	10
1920	Efficient Adsorption of Deoxynivalenol by Porous Carbon Prepared from Soybean Dreg. Toxins, 2021, 13, 500.	1.5	9
1921	Improving the Electrochemical Properties of Carbon Paper as Cathodes for Microfluidic Fuel Cells by the Electrochemical Activation in Different Solutions. ACS Omega, 2021, 6, 19153-19161.	1.6	11
1922	Polyelectrolyte nanocomposite membranes based on chitosan and surface modified multi-walled carbon nanotubes for use in fuel cell applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 778-791.	1.2	4
1923	Optimization of carbon nanotubes synthesis via pyrolysis over Ni/Al₂O₃using response surface methodology. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 467-475.	1.0	6
1924	Magnetic-responsive CNT/chitosan composite as stabilizer and adsorbent for organic contaminants and heavy metal removal. Journal of Molecular Liquids, 2021, 334, 116087.	2.3	25
1925	A modified Hummers soft oxidative method for functionalization of CNTs: Preparation, characterization and potential application for selective determination of norepinephrine. Synthetic Metals, 2021, 277, 116803.	2.1	10
1926	Investigating the Electrical Properties of Epoxy Resin Containing MWCNTâ€“PANI with a Core-Shell Morphology: Synthesis and Characterization. Polymer Science - Series B, 2021, 63, 418-431.	0.3	17
1927	Plasma treated carbon paper electrode greatly improves the performance of iron-hydrogen battery for low-cost energy storage. Chinese Chemical Letters, 2022, 33, 1095-1099.	4.8	13
1928	Structural elucidation of Multi-walled Carbon Nanotubeâ€”Diferuloylmethane Conjugate: a pre-requisite for validating applications in water purification. Materials Research Express, 2021, 8, 125007.	0.8	1
1929	Hemin-assisted synthesis of peroxidase-like Fe-N-C nanozymes for detection of ascorbic acid-generating bio-enzymes. Chemical Engineering Journal, 2021, 415, 128876.	6.6	116
1930	User-safe and efficient chitosan-gated porous carbon nanopesticides and nanoherbicides. Journal of Colloid and Interface Science, 2021, 594, 20-34.	5.0	29
1931	Aminoâ€functionalized carbon nanotubes for effectively improving the mechanical properties of preâ€impregnated epoxy resin/carbon fiber. Journal of Applied Polymer Science, 2021, 138, 51355.	1.3	11
1932	Pyrrolic nitrogen dominated the carbon dot mimic oxidase activity. Carbon, 2021, 179, 692-700.	5.4	50
1933	Synthesis and experimental investigation of Î´-MnO2/N-rGO nanocomposite for Li-O2 batteries applications. Chemical Engineering Journal Advances, 2021, 7, 100115.	2.4	8
1934	Mitigation and In Situ Probing of Volume Expansion in Silicon/Graphene Hybrid Anodes for Highâ€Capacity, Highâ€Rateâ€Capable Lithiumâ€Ion Batteries. Advanced Energy and Sustainability Research, 2021, 2, 2100125.	2.8	5

#	Article	IF	Citations
1935	Chlorosulfonic Acid Stretched Carbon Nanotube Sheet for Flexible and Low-Voltage Heating Applications. Nanomaterials, 2021, 11, 2132.	1.9	6
1936	Effect of Functionalized-Carbon Nanotube on Growth Indices in Ocimum basilicum L. Grown in vitro. Russian Journal of Plant Physiology, 2021, 68, 958-972.	0.5	4
1937	Highly efficient metal-free electro-Fenton degradation of organic contaminants on a bifunctional catalyst. Journal of Hazardous Materials, 2021, 416, 125859.	6.5	49
1938	Comparative Study of the Structural Features and Electrochemical Properties of Nitrogen-Containing Multi-Walled Carbon Nanotubes after Ion-Beam Irradiation and Hydrochloric Acid Treatment. Nanomaterials, 2021, 11, 2163.	1.9	13
1939	In-situ transient photovoltage study on interface electron transfer regulation of carbon dots/NiCo2O4 photocatalyst for the enhanced overall water splitting activity. Nano Research, 2022, 15, 1786-1795.	5.8	41
1940	Carbon Nanotube Wearable Sensors for Health Diagnostics. Sensors, 2021, 21, 5847.	2.1	15
1941	Few-layer graphene on nickel enabled sustainable dropwise condensation. Science Bulletin, 2021, 66, 1877-1884.	4.3	18
1942	Vapor-phase impregnation decomposition technique as an alternativeto decorate MWCNTs withPt and PdNPs for ammonia gas detection. Colloids and Interface Science Communications, 2021, 44, 100490.	2.0	2
1943	Identify the Activity Origin of Pt Single-Atom Catalyst via Atom-by-Atom Counting. Journal of the American Chemical Society, 2021, 143, 15243-15249.	6.6	27
1944	Folic acid-conjugated raloxifene-loaded graphene-based nanocarrier: Fabrication, characterization and antitumor screening. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126971.	2.3	5
1945	Construction of hollow carbon polyhedron supported Pt catalyst for methanol electrocatalytic oxidation. Electrochimica Acta, 2021, 390, 138790.	2.6	6
1946	Highly efficient removal of U(VI) in aqueous solutions by tea waste-derived biochar-supported iron-manganese oxide composite. Journal of Radioanalytical and Nuclear Chemistry, 2021, 330, 871-882.	0.7	4
1947	Magnesium-nitrogen co-doped carbon dots enhance plant growth through multifunctional regulation in photosynthesis. Chemical Engineering Journal, 2021, 422, 130114.	6.6	54
1948	Residual solvent extraction via chemical displacement for efficient and stable perovskite solar cells. Journal of Energy Chemistry, 2021, 61, 8-14.	7.1	19
1949	Hydrophilicity control of laser-induced amorphous carbon-encapsulated carbon nano-onions and their application to proton exchange membrane fuel cells under low humidity. Carbon, 2021, 184, 910-922.	5.4	7
1950	Highly-energy efficient oxidation of MWCNT with nanosecond pulsed dielectric barrier discharge plasma. Applied Surface Science, 2021, 563, 150139.	3.1	10
1951	Electrospun cobalt Prussian blue analogue-derived nanofibers for oxygen reduction reaction and lithium-ion batteries. Journal of Colloid and Interface Science, 2021, 599, 280-290.	5.0	23
1952	Advancing the boundaries of the covalent functionalization of graphene oxide. Surfaces and Interfaces, 2021, 26, 101320.	1.5	7

#	Article	IF	Citations
1953	A novel electro-mechanical technique for efficient dispersion of carbon nanotubes in liquid media. International Journal of Mechanical Sciences, 2021, 207, 106633.	3.6	7
1954	Interfacial-bubbling-induced nondestructive expansion to reconstruct superstrong and multifunctional carbon nanotube fibers. Carbon, 2021, 184, 24-33.	5.4	12
1955	A comparative study of superhydrophobicity of 0D/1D/2D thermally functionalized carbon nanomaterials. Ceramics International, 2021, 47, 30331-30342.	2.3	16
1956	Multiwall carbon nanotubes (MWCNTs) dispersion & mechanical effects in OPC mortar & paste: A review. Journal of Building Engineering, 2021, 43, 102512.	1.6	22
1957	Electrochemical sensor studies of dopamine using multiwalled carbon nanotubes by CVD technique. Physica B: Condensed Matter, 2021, 620, 413137.	1.3	4
1958	Identifying active sites of boron, nitrogen co-doped carbon materials for the oxygen reduction reaction to hydrogen peroxide. Journal of Colloid and Interface Science, 2021, 602, 799-809.	5.0	32
1959	Boosting the catalytic efficiency of platinum nanoparticles supported on pristine carbon nanotubes: Synergistic effects of conducting polymers. Fuel, 2021, 306, 121681.	3.4	6
1960	Unraveling the relevance of carbon felts surface modification during electrophoretic deposition of nanocarbons on their performance as electrodes for the VO2+/VO2+ redox couple. Applied Surface Science, 2021, 569, 151095.	3.1	10
1961	Multi walled carbon nanotubes functionalized by hydroxyl and Schiff base and their hydrogen storage properties. Diamond and Related Materials, 2021, 120, 108604.	1.8	5
1962	Utilization of carbon allotropes with special reference to carbon nanotubes and graphene for the high performance of natural rubber. , 2021, , 203-246.		3
1963	Effect of carbon nanotubes modified with different concentrations of rare earth lanthanum on the mechanical and tribological properties of epoxy composites. Journal of Composite Materials, 2021, 55, 2197-2210.	1.2	4
1964	Features of oxidative functionalization of multiwalled carbon nanotubes. Journal of Advanced Materials and Technologies, 2021, 6, 091-100.	0.2	1
1965	Recovery of lanthanum cations by functionalized magnetic multi-walled carbon nanotube bundles. RSC Advances, 2021, 11, 4751-4759.	1.7	16
1966	Hydrogen Fuel Cells as Green Energy. , 2021, , 769-795.		0
1967	Carbon-based heterogeneous photocatalysts for water cleaning technologies: a review. Environmental Chemistry Letters, 2021, 19, 643-668.	8.3	32
1968	Coulombic Force Gated Molecular Transport in Redox Flow Batteries. Journal of Physical Chemistry Letters, 2021, 12, 1374-1383.	2.1	6
1969	Covalently bonded surface functional groups on carbon nanotubes: from molecular modeling to practical applications. Nanoscale, 2021, 13, 10152-10166.	2.8	24
1970	Enhanced Selectivity in the Hydrogenation of Anilines to Cycloâ€aliphatic Primary Amines over Lithiumâ€Modified Ru/CNT Catalysts. ChemCatChem, 2018, 10, 1438-1445.	1.8	13

#	Article	IF	Citations
1971	Carbon Nanotube in Water Treatment. Carbon Nanostructures, 2017, , 23-54.	0.1	12
1972	Carbon Nanotube Purification. Carbon Nanostructures, 2017, , 55-73.	0.1	2
1973	Nanobiohybrid Preparation. Carbon Nanostructures, 2017, , 105-128.	0.1	1
1974	Chemical Methods. , 2017, , 33-148.		2
1976	Characterization of Carbon Nanotubes. SpringerBriefs in Applied Sciences and Technology, 2019, , 29-31.	0.2	1
1977	Nanoengineered textiles: from advanced functional nanomaterials to groundbreaking high-performance clothing. , 2020, , 611-714.		11
1978	Comparative study of shortening and cutting strategies of single-walled and multi-walled carbon nanotubes assessed byÂscanning electron microscopy. Carbon, 2018, 139, 922-932.	5.4	34
1979	Modified potentiometric titration method to distinguish and quantify oxygenated functional groups on carbon materials by pKa and chemical reactivity. Carbon, 2020, 166, 436-445.	5.4	23
1980	Exceptional release kinetics and cytotoxic selectivity of oxidised MWCNTs double-functionalised with doxorubicin and prostate-homing peptide. Colloids and Surfaces B: Biointerfaces, 2017, 156, 123-132.	2.5	10
1981	Tuning amphiphilic properties of Ni/Carbon nanotubes functionalized catalysts and their effect as emulsion stabilizer for biomass-derived furfural upgrading. Fuel, 2020, 276, 118032.	3.4	21
1982	Bimetallic carbon nanotube encapsulated Fe-Ni catalysts from fast pyrolysis of waste plastics and their oxygen reduction properties. Waste Management, 2020, 109, 119-126.	3.7	45
1983	Enhanced Capacitive Deionization by Dispersion of CNTs in Activated Carbon Electrode. ACS Sustainable Chemistry and Engineering, 2018, 6, 1572-1579.	3.2	71
1984	Nanosized palladium on phosphorus-incorporated porous carbon frameworks for enhanced selective phenylacetylene hydrogenation. Catalysis Science and Technology, 2017, 7, 4934-4939.	2.1	14
1985	Synthesis of oxygen functionalized carbon nanotubes and their application for selective catalytic reduction of NO_x with NH₃. RSC Advances, 2020, 10, 16700-16708.	1.7	27
1986	Customizing hydrothermal properties of inkjet printed sensitive films by functionalization of carbon nanotubes. Nanotechnology, 2021, 32, 105708.	1.3	9
1987	Effects of diameter and surface area of electrospun nanocomposite fibers on electromagnetic interference shielding. Polymer Science - Series A, 2017, 59, 718-725.	0.4	10
1988	A Novel Molecularly Imprinting Biosensor Including Graphene Quantum Dots/Multi-Walled Carbon Nanotubes Composite for Interleukin-6 Detection and Electrochemical Biosensor Validation. ECS Journal of Solid State Science and Technology, 2020, 9, 121010.	0.9	87
1989	- Atomistic Simulation of Gas Adsorption in Carbon Nanostructures. , 2012, , 307-348.		1

#	Article	IF	Citations
1990	Functionalization and Characterization of MWCNT Produced by Different Methods. Acta Physica Polonica A, 2016, 129, 405-408.	0.2	23
1991	Performance improvement of membrane distillation using carbon nanotubes. Membrane Water Treatment, 2016, 7, 367-375.	0.5	2
1993	Modifications of Carbon Nanotubes for Bio-applications and Toxicity Evaluations. Journal of Environmental Nanotechnology, 2013, 2, 53-61.	0.1	1
1994	Surface Modification of Multiwall Carbon Nanotubes by Sulfuric Acid and Nitric Acid. , 2014, , .		6
1995	Characterization of Carbon Nanotubes Synthesized from Hydrocarbon-Rich Flame. International Journal of Technology, 2016, 7, 343.	0.4	4
1996	A Review on the Strengthening of Nanostructured Materials. International Journal of Current Engineering and Technology, 2018, 8, .	0.0	26
1997	AnÃ¡lisis de la modificaciÃ³n superficial de los nanotubos de carbono sometidos a distintos tratamientos de oxidaciÃ³n. Acta Universitaria, 2013, 23, 17-22.	0.2	1
1998	Technological Bases of Functionalization of Multiwalled Carbon Nanotubes by Titanium Stearate for Subsequent Production of Composites. Vestnik Tambovskogo Gosudarstvennogo Tehnicheskogo Universiteta, 2016, 22, 501-509.	0.0	1
1999	Hexavalent Chromium Removal From Aqueous Solution Using Functionalized Multi-Walled Carbon Nanotube: Optimization of Parameters by Response Surface Methodology. Health Scope, 2015, 4, .	0.4	7
2000	Unravelling Radicals Reactivity Towards Carbon Nanotubes Manipulation/Functionalization. Current Organic Chemistry, 2016, 20, 632-644.	0.9	3
2001	Carbon Nanotubes Characterization by X-ray Powder Diffraction â€“ A Review. Current Nanoscience, 2014, 11, 23-35.	0.7	128
2002	Adsorption and Removal of Sudan I, II from Organic Solutions by Oxidized Multiwalled Carbon Nanotubes. Current Nanoscience, 2013, 9, 624-630.	0.7	4
2003	Analysis of Functional Group Sited on Multi-Wall Carbon Nanotube Surface. Open Materials Science Journal, 2011, 5, 242-247.	0.2	159
2004	Influence of different functionalization methods of multi-walled carbon nanotubes on the properties of poly(L-lactide) based nanocomposites. Hemijska Industrija, 2019, 73, 183-196.	0.3	5
2005	Ultrasound-Assisted Surface Modification of MWCNT Using Organic Acids. Materials, 2021, 14, 72.	1.3	4
2006	Photocatalytic and Gas Sensitive Multiwalled Carbon Nanotube/TiO2-ZnO and ZnO-TiO2 Composites Prepared by Atomic Layer Deposition. Nanomaterials, 2020, 10, 252.	1.9	17
2007	Nanocarbon from Rocket Fuel Waste: The Case of Furfuryl Alcohol-Fuming Nitric Acid Hypergolic Pair. Nanomaterials, 2021, 11, 1.	1.9	113
2008	Removal of mercury (II) from aqueous solutions by multiwalled carbon nanotubes coated with manganese oxide. Journal of Shahrekord University of Medical Sciences, 2019, 21, 258-264.	0.2	6

#	Article	IF	Citations
2009	The Effect of Polyethylene Glycol on the Toxicity Properties of Functionalized Carbon Nanotubes with the Variations of Hydrochloric Acid (HCl). International Journal of Engineering Research and Technology, 2020, 13, 2541.	0.3	1
2010	Hydrogen Fuel Cells as Green Energy. Impact of Meat Consumption on Health and Environmental Sustainability, 2019, , 291-323.	0.4	1
2011	Chemical Surface Modification of CNTs via Three Oxidative Acid Treatments. Advanced Materials Research, 0, 1107, 320-325.	0.3	4
2012	The evaluation of toxicity of carbon nanotubes on the human adipose-derived-stem cells in-vitro. Advanced Biomedical Research, 2014, 3, 40.	0.2	19
2013	Removal of Lead Ions from Wastewater Using Functionalized Multiwalled Carbon Nanotubes with Tris(2-Aminoethyl)Amine. Journal of Environmental Protection, 2013, 04, 529-536.	0.3	49
2014	Poly(Vinyl Alcohol)-Infiltrated Carbon Nanotube Carpets. Materials Sciences and Applications, 2012, 03, 658-663.	0.3	6
2015	Detection of Trace Copper Metal at Carbon Nanotube Based Electrodes Using Squarewave Anodic Stripping Voltammetry. Bulletin of the Korean Chemical Society, 2013, 34, 801-809.	1.0	7
2016	Defects and gas sensing properties of carbon nanotube-based devices. Journal of Sensors and Sensor Systems, 2015, 4, 25-30.	0.6	14
2017	Growth and functionalization of carbon nanotubes on quartz filter for environmental applications. Journal of Environmental Engineering & Ecological Science, 2014, 3, 2.	0.7	14
2018	Ultrafine rheniumâ€“ruthenium nanoparticles decorated on functionalized carbon nanotubes for the simultaneous determination of antibiotic (nitrofurantoin) and anti-testosterone (flutamide) drugs. Journal of Materials Chemistry C, 2021, 9, 15949-15966.	2.7	9
2019	Liquid-Free Covalent Reinforcement of Carbon Nanotube Dry-Spun Yarns and Free-Standing Sheets. SSRN Electronic Journal, 0, , .	0.4	0
2020	Ginsenosides emerging as both bifunctional drugs and nanocarriers for enhanced antitumor therapies. Journal of Nanobiotechnology, 2021, 19, 322.	4.2	48
2021	A review on the features, performance and potential applications of hydrogel-based wearable strain/pressure sensors. Advances in Colloid and Interface Science, 2021, 298, 102553.	7.0	82
2022	A novel TiO2 nanoparticle-decorated helical carbon nanofiber composite as an anode material for sodium-ion batteries. Journal of Electroanalytical Chemistry, 2021, 901, 115765.	1.9	8
2023	Recent advances in carbon nanotubes-based biocatalysts and their applications. Advances in Colloid and Interface Science, 2021, 297, 102542.	7.0	32
2024	Size effects in the heat capacity of modified MWCNTs. Thermal Science and Engineering Progress, 2021, 26, 101097.	1.3	5
2025	Solid-Phase Extraction for Enrichment and Separation of Herbicides. , 0, , .		1
2026	Effect of Purification on the Electrical Properties of Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. Current Organic Chemistry, 2013, 17, 1830-1837.	0.9	1

#	Article	IF	Citations
2027	A Study on the Sinterning of the Carbon Nanotube/Metal Composites for the Heat Transfer Enhancement. Composites Research, 2013, 26, 373-379.	0.1	0
2028	CaracterizaciÃ³n Ã“ptica y MorfolÃ³gica de Materiales Compuestos de P30T y Nanotubos de Carbono Funcionalizados. QuÃmica Hoy Chemistry Sciences $b, 2012, 2, 6.	0.1	0
2029	Magnetic nanocomposites for biomedical applications. , 2015, , 124/25-124/36.	0.2	0
2030	Preparation of MWCNTs/Poly(methyl methacrylate) Composite Particles via the Emulsion Polymerization of Methyl Methacrylate Using MWCNTs Modified by Silanization Reaction and Their Morphological Characteristics. Porrime, 2015, 39, 329-337.	0.0	0
2031	Estimation of the mechanical properties of nanocomposites based on the properties prediction of single wall carbon nanotubes (SWCNT). Materialpruefung/Materials Testing, 2015, 57, 447-457.	0.8	3
2032	Prediction of the elastic modulus of SWCNT/epoxy composite based on the micromechanics. Materialpruefung/Materials Testing, 2015, 57, 690-696.	0.8	1
2033	Electron Transfer and Charge Storage in Thin Films of Nanoparticles. , 2016, , 869-939.		0
2034	Microstructure and Physical Properties of Glycerol Doped by Oxidized Multiwalled Carbon Nanotubes. Himia, Fizika Ta Tehnologia Poverhni, 2015, 6, 20-31.	0.2	0
2035	Spindle-shaped Fe2O3 Nanoparticle Coated Carbon Nanofiber Composites. Journal of Korean Powder Metallurgy Institute, 2016, 23, 95-101.	0.2	1
2036	Adhesive Force of Laminations of Titanium Untreated and Polycarbonate Homogeneously Irradiated by Low Potential Electron Beam Prior to Assembly and Hot-Press. Materials Transactions, 2017, 58, 457-464.	0.4	2
2037	Nitrogen Interaction with Carbon Nanotubes: Adsorption and Doping. Nanoscience and Technology, 2017, , 115-169.	1.5	0
2038	Carbon Nanotube Functionalizations. Carbon Nanostructures, 2017, , 75-104.	0.1	0
2039	Modification of Functionalized Multi Walled Carbon Nanotubes by Olive Oil as Economic Method for Bacterial Capture and Prevention. Biosciences, Biotechnology Research Asia, 2017, 14, 1513-1522.	0.2	1
2040	romoting Functionalized Multi Walled Carbon Nano Tubes Using neem and flax oil for Resentence Pathogenic Bacteria. Biosciences, Biotechnology Research Asia, 2018, 15, 301-310.	0.2	3
2041	Carbon Nanotube Applications Based on Synthesisand Dispersion Techniques. Journal of the Adhesion Society of Japan, 2019, 55, 35-41.	0.0	1
2042	PU Rigid Nanocomposite Foams Containing Cylindrical Nanofillers. Advanced Structured Materials, 2019, , 165-232.	0.3	0
2043	Carbon Graphite Obtained of Zinc-Carbon Exhausted Batteries Applied as Electrode in Electrochemical Sensors. Revista Virtual De Quimica, 2019, 11, 275-296.	0.1	0
2044	A Comparison of Different Methods of MWCNTs Metalation in a Single Step Using Three Different Silver-containing Compounds. Recent Patents on Nanotechnology, 2019, 13, 59-69.	0.7	0

#	Article	IF	Citations
2045	OXIDATION OF CARBON NANOTUBES USING FOR Cu(II) ADSORPTION FROM AQUEOUS SOLUTION. Hue University Journal of Science: Natural Science, 2019, 128, 5.	0.4	1
2046	Functionalized Graphiteâ€“Reinforced Cross-Linked Poly(vinyl Alcohol) Nanocomposites for Vibration Isolator Application: Morphology, Mechanical, and Thermal Assessment. Materials Performance and Characterization, 2020, 9, 20190254.	0.2	20
2047	Modified Carbon Nanotubes for Improvement of Biosensor Electrodes. International Journal of Chemical Engineering and Applications (IJCEA), 2020, 11, 1-5.	0.3	0
2048	Understanding the effect of functional groups on carbon nanotube towards oxygen reduction reaction. Materials Today Energy, 2020, 16, 100400.	2.5	1
2049	REVIEW ENHANCEMENT OF THERMAL CONDUCTIVITY AND HEAT TRANSFER USING CARBON NANOTUBE FOR NANOFLUIDS AND IONANOFLUIDS. Journal of Thermal Engineering, 2021, 7, 66-90.	0.8	7
2050	Toward Automated Tomato Harvesting System: Integration of Haptic Based Piezoresistive Nanocomposite and Machine Learning. IEEE Sensors Journal, 2021, 21, 27810-27817.	2.4	4
2051	An electrochemically reduced ultra-high mass loading three-dimensional carbon nanofiber network: a high energy density symmetric supercapacitor with a reproducible and stable cell voltage of 2.0 V. Nanoscale, 2021, 13, 19537-19548.	2.8	27
2053	Electrochemical determination of glutathione in hemolysed erythrocytes. Scientia Iranica, 2020, .	0.3	0
2054	A short review on regulation of stability of aqueous suspensions of carbon nanotubes. Himia, Fizika Ta Tehnologia Poverhni, 2020, 11, 144-159.	0.2	1
2055	CARBON NANOTUBE: ITS FUNCTIONALIZATION AND APPLICATIONS IN TARGETED DRUG DELIVERY SYSTEM. International Journal of Pharmacy and Technology, 2020, 12, 7004-7022.	0.0	1
2056	Infrared Spectroscopy of Ultraviolet-Irradiated Carbon Nanotubes. Ukrainian Journal of Physics, 2020, 65, 336.	0.1	0
2057	Carbon Nanotubes: Current Perspectives on Diverse Applications in Targeted Drug Delivery and Therapies. Materials, 2021, 14, 6707.	1.3	55
2058	High efficiency and selective removal of Cu(â...¡) via regulating the pore size of graphene oxide/montmorillonite composite aerogel. Journal of Hazardous Materials, 2022, 424, 127680.	6.5	30
2059	In-situ growth of CNTs in silica powder by polymer pyrolysis chemical vapor deposition and their separation resistances. Journal of Asian Ceramic Societies, 2021, 9, 1516-1523.	1.0	1
2060	Effect of in-situ growth and separate addition method in hydrothermal process on the structural and magnetic properties of CoNiFe2O4@functionalized CNTs nanocomposite. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	2
2061	Study of Amperometric Response of Guaiacol Biosensor Using Multiwalled Carbon Nanotubes with Laccase Immobilized. ECS Journal of Solid State Science and Technology, 2020, 9, 115009.	0.9	3
2062	Enhanced interfacial reaction of precursor and low temperature substrate in HfO₂ atomic layer deposition with highly Ar diluted O₂ plasma. Journal of Physics Communications, 2020, 4, 095013.	0.5	1
2063	Dispersion and Alignment of Carbon Nanotubes in Polymer Matrix. , 2021, , 1-35.		0

#	Article	IF	Citations
2064	Liquid-free covalent reinforcement of carbon nanotube dry-spun yarns and free-standing sheets. Carbon, 2022, 187, 415-424.	5.4	11
2065	Synthesis of Fe:Ag nanocomposites and their anti-bacterial activities. Journal of Physics: Conference Series, 2021, 2070, 012155.	0.3	0
2066	Electrospun fiber-based high-performance flexible multi-level micro-structured pressure sensor: Design, development and modelling. Chemical Engineering Journal, 2022, 431, 133700.	6.6	25
2067	Unveiling the role of oxidative treatments on the electrochemical performance of carbon nanotube-based cotton textile supercapacitors. Carbon Trends, 2021, 5, 100137.	1.4	7
2068	Comparative study of the graphene synthesis process from bagasse with modified hummers, green synthesis, and thermal methods using a life cycle assessment approach. AIP Conference Proceedings, 2021, , .	0.3	0
2070	High-Resolution R2R-Compatible Printing of Carbon Nanotube Conductive Patterns Enabled by Cellulose Nanocrystals. ACS Applied Nano Materials, 2022, 5, 1574-1587.	2.4	4
2071	Alkylation modified pistachio shell-based biochar to promote the adsorption of VOCs in high humidity environment. Environmental Pollution, 2022, 295, 118714.	3.7	21
2072	Interfacial, electrical, and mechanical properties of MWCNT in polyurethane nanocomposite coating via 2D electrical resistance mapping for aircraft topcoat. Progress in Organic Coatings, 2022, 163, 106667.	1.9	2
2073	Precise regulation of the wettability of Pt/CNTs by atomic layer deposition-based ozone pulse strategy for enhanced catalytic hydrogenation performance in aqueous phase. Carbon, 2022, 188, 385-392.	5.4	3
2074	Effective and selective electroreduction of aqueous nitrate catalyzed by copper particles on multi-walled carbon nanotubes. Journal of Environmental Management, 2022, 305, 114420.	3.8	2
2075	Converting water impurity in organic solvent into hydrogen and hydrogen peroxide by organic semiconductor photocatalyst. Applied Catalysis B: Environmental, 2022, 305, 121047.	10.8	21
2076	ASSESSMENT OF CANCER TARGETING POTENTIAL OF DOXORUBICIN CONJUGATED WITH SURFACE FUNCTIONALIZED MULTI-WALLED CARBON NANOTUBES. Indian Drugs, 2019, 56, 56-70.	0.1	0
2077	A Novel TiO ₂ Nanoparticle-Decorated Helical Carbon Nanofiber Composite as an Anode Material for Sodium-Ion Batteries. SSRN Electronic Journal, 0, , .	0.4	0
2078	Carbon nanotube reinforced cementitious composites: A comprehensive review. Construction and Building Materials, 2022, 315, 125100.	3.2	67
2079	Contact resistance based tactile sensor using covalently cross-linked graphene aerogels. Nanoscale, 2022, 14, 1440-1451.	2.8	6
2080	Strong metalâ€“support interaction in copper hexacyanoferrate nanocube decorated functionalized multiwall carbon nanotubes for enhanced bi-functional oxygen electrocatalytic activity and stability. Sustainable Energy and Fuels, 2022, 6, 1094-1107.	2.5	9
2081	Electrochemical functionalization of carbon nanomaterials and their application in immobilization of enzymes. , 2022, , 67-103.		0
2082	Electrochemical Hydrogenation of Furfural in Aqueous Acetic Acid Media with Enhanced 2â€Methylfuran Selectivity Using CuPd Bimetallic Catalysts. Angewandte Chemie, 2022, 134, .	1.6	9

#	Article	IF	Citations
2083	Electrochemical Hydrogenation of Furfural in Aqueous Acetic Acid Media with Enhanced 2â€Methylfuran Selectivity Using CuPd Bimetallic Catalysts. Angewandte Chemie - International Edition, 2022, 61, .	7.2	33
2084	Synthesis, Purification, and Characterization of Carbon Dots from Non-Activated and Activated Pyrolytic Carbon Black. Nanomaterials, 2022, 12, 298.	1.9	49
2085	Magnetic Solid-Phase Extraction Based on Magnetite-Multiwalled Carbon Nanotubes of Non-Steroidal Anti-Inflammatories from Water Followed by LCâ€“ESIâ€“MS/MS. Journal of Chromatographic Science, 2023, 61, 186-194.	0.7	8
2086	A highly sensitive electrochemical biosensor for dopamine and uric acid in the presence of a high concentration of ascorbic acid. Chemical Papers, 2022, 76, 1653-1664.	1.0	5
2087	Constructing proton exchange membranes with high and stable proton conductivity at subzero temperature through vacuum assisted flocculation technique. Applied Surface Science, 2022, 585, 152579.	3.1	14
2088	Oxidized multiwalled nanotubes as efficient carbocatalyst for the general synthesis of azines. Journal of Catalysis, 2022, 406, 174-183.	3.1	5
2089	Influence of molecular weight of polycation polydimethyldiallylammonium and carbon nanotube content on electric conductivity of layer-by-layer films. Thin Solid Films, 2022, 745, 139103.	0.8	4
2090	Remediation of soil polluted with petroleum hydrocarbons and its reuse for agriculture: Recent progress, challenges, and perspectives. Chemosphere, 2022, 293, 133572.	4.2	59
2091	Polyaniline wrapped carbon nanotube/exfoliated MoS2 nanosheet composite as a promising electrode for high power supercapacitors. Carbon Trends, 2022, 7, 100154.	1.4	21
2092	Revisiting the influence of chemical oxidation on the adsorption properties of carbonaceous materials with different structures: Non-dispersible versus dispersible structure. Separation and Purification Technology, 2022, 286, 120516.	3.9	5
2093	Promoting N2 electroreduction into NH3 over porous carbon by introducing oxygen-containing groups. Chemical Engineering Journal, 2022, 434, 134636.	6.6	9
2094	Nanosorbents for heavy metals removal. , 2022, , 163-186.		0
2095	Pyrene-polyethylene glycol-modified multi-walled carbon nanotubes:ÂGenotoxicity in V79-4 fibroblast cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 876-877, 503463.	0.9	2
2096	Oxidized Multiwalled Carbon Nanotubes as Components and Oxidant Agents in the Formation of Multiwalled Carbon Nanotube/Polyazulene Composites. Journal of the Electrochemical Society, 2022, 169, 020572.	1.3	4
2097	H3PO4 activation mediated the iron phase transformation and enhanced the removal of bisphenol A on iron carbide-loaded activated biochar. Environmental Pollution, 2022, 300, 118965.	3.7	12
2098	Organic Semiconductor/Carbon Dot Composites for Highly Efficient Hydrogen and Hydrogen Peroxide Coproduction from Water Photosplitting. ACS Applied Materials & Interfaces, 2021, 13, 60561-60570.	4.0	24
2099	A Novelty Photothermal Therapy of Human Prostate Cancer Pc3 Cell Line Using Multi-Wall Carbon Nanotubes and Platinum Nanocomposite. SSRN Electronic Journal, 0, , .	0.4	0
2100	Spatially resolved investigation into the coke formation and chemical states of nickel during autothermal reforming of acetic acid over Ni/CeO₂â€“ZrO₂ catalysts. Reaction Chemistry and Engineering, 0, , .	1.9	0

#	Article	IF	Citations
2101	Amino-Functionalized Multiwall Carbon Nanotubes as Efficient Basic Catalysts for the Formation of Î³-Lactams: Synthesis of N-1-Heptenyl-2-pyrrolidinone. Nanomaterials, 2022, 12, 684.	1.9	0
2102	Tuning wettability and electrical conductivity of single-walled carbon nanotubes by the modified Hummers method. Scientific Reports, 2022, 12, 4358.	1.6	12
2103	Spirobifluorene-Based Conjugated Microporous Polymer-Grafted Carbon Nanotubes for Efficient Supercapacitive Energy Storage. ACS Applied Energy Materials, 2022, 5, 3706-3714.	2.5	36
2104	Characterizations of MWCNTs Nanofluids on the Effect of Surface Oxidative Treatments. Nanomaterials, 2022, 12, 1071.	1.9	12
2105	Influence of carbon nanotube inclusions to electrical, thermal, physical and mechanical behaviors of carbon-fiber-reinforced ABS composites. Carbon Letters, 2022, 32, 987-998.	3.3	12
2106	^{â€œ}Inâ€Situ Grown Nickelâ€Cobalt (NiCo) Alloy Nanoparticles Decorated on Petalâ€Like Nitrogenâ€Doped Carbon Spheres for Efficient OER Activity^{â€}**. ChemistrySelect, 2022, 7, .	0.7	12
2107	Coating of Low-Cost Asphaltenes-Derived Carbon Fibers with V₂O₅ for Supercapacitor Application. Energy & Fuels, 2022, 36, 3328-3338.	2.5	10
2108	Developments and Applications of Carbon Nanotube Reinforced Cement-Based Composites as Functional Building Materials. Frontiers in Materials, 2022, 9, .	1.2	28
2109	Electrical nanocomposites of <scp>PA6</scp>/<scp>ABS</scp>/<scp>ABSâ€MA</scp> reinforced with carbon nanotubes (<scp>MWCNTf</scp>) for antistatic packaging. Polymer Composites, 2022, 43, 3639-3658.	2.3	12
2110	Single-Entity â€œNano-Catalysisâ€: Carbon Nanotubes and the VO₂⁺/VO²⁺Redox Reaction. ACS Catalysis, 2022, 12, 4754-4764.	5.5	11
2111	Polyphenylene sulfide scaffold based flexible supercapacitor electrode with competitive areal capacitance and flame-retardant behavior. Reactive and Functional Polymers, 2022, 174, 105216.	2.0	4
2112	Self-supporting nitrogen-doped reduced graphene oxide@carbon nanofiber hybrid membranes as high-performance integrated air cathodes in microbial fuel cells. Carbon, 2022, 193, 242-257.	5.4	18
2113	Preparation of structured N-CNTs/PSSF composite catalyst to activate peroxymonosulfate for phenol degradation. Separation and Purification Technology, 2022, 290, 120903.	3.9	7
2114	Improving the air quality with Functionalized Carbon Nanotubes: Sensing and remediation applications in the real world. Chemosphere, 2022, 299, 134468.	4.2	18
2115	Magnetic Amino-Modified Multiwalled Carbon Nanotube (MWCNT) Based Magnetic Dispersive Solid-Phase Extraction (m-dSPE) for the Determination of Paralytic Shellfish Toxins in Bivalve Mollusks with Hydrophilic Interaction Liquid Chromatographyâ€“Tandem Mass Spectrometry (HILIC-MS/MS). Analytical Letters, 0, , 1-17.	1.0	0
2116	Silicone Elastomer Composites Fabricated with MgO and MgO-Multi-Wall Carbon Nanotubes with Improved Thermal Conductivity. Nanomaterials, 2021, 11, 3418.	1.9	6
2117	Extreme Dynamic Performance of Nanofiber Mats under Supersonic Impacts Mediated by Interfacial Hydrogen Bonds. ACS Nano, 2021, 15, 19945-19955.	7.3	17
2119	Nanostructured materials for water/wastewater remediation. , 2022, , 413-432.		0

#	Article	IF	Citations
2120	Tafel Analysis Guided Optimization of Zn_{NP}-O-C Catalysts for the Selective 2-Electron Oxygen Reduction Reaction in Neutral Media. Journal of Physical Chemistry Letters, 2022, 13, 3409-3416.	2.1	11
2121	The effect of lowâ€defected carboxylic acid functional groupâ€“rich carbon nanotubeâ€“doped electrode on the performance of aqueous vanadium redox flow battery. International Journal of Energy Research, 2022, 46, 11802-11817.	2.2	15
2122	Carboxyl functionalized double-walled carbon nanotubes for oxygen evolution reaction. Electrochimica Acta, 2022, 419, 140395.	2.6	6
2123	The Ptâ€“Co alloying effect on the performance and stability of high temperature PEMFC cathodes. International Journal of Hydrogen Energy, 2022, 47, 16235-16248.	3.8	16
2124	A Hygroscopic Janus Heterojunction for Continuous Moisture-Triggered Electricity Generators. ACS Applied Materials & Interfaces, 2022, 14, 19569-19578.	4.0	15
2125	Effects of Length and Oxidation of Multi-walled Carbon Nanotubes on the Mechanical and Electrical Properties for Epoxy Matrix Composites. Fibers and Polymers, 2022, 23, 1332-1341.	1.1	2
2126	Nano-TiO2 anchored carbon nanohelices as reinforcing/anti-aging filler for styrene-butadiene rubber. Materials Chemistry and Physics, 2022, 285, 126119.	2.0	2
2129	Unveiling the Bio-corona Fingerprinting of Potential Anticancer Carbon Nanotubes Coupled with d-Amino Acid Oxidase. Molecular Biotechnology, 2022, 64, 1164-1176.	1.3	2
2130	Ultrahigh strength, modulus, and conductivity of graphitic fibers by macromolecular coalescence. Science Advances, 2022, 8, eabn0939.	4.7	34
2131	Kinetic Evaluation and Study of Gold-Based Nanoparticles and Mwcnt as an Alp Inhibitor in Serum and Pure Form. SSRN Electronic Journal, 0, , .	0.4	0
2132	Synthesis and characterization of MWCNTs/Al6082 nanocomposites through ultrasonic assisted stir casting technique. Particulate Science and Technology, 2023, 41, 183-195.	1.1	6
2133	Oxidation of Carbon Nanotubes for Improving the Mechanical and Electrical Properties of Oil-Well Cement-Based Composites. ACS Applied Nano Materials, 2022, 5, 6671-6678.	2.4	16
2134	Surface treatment of <scp>multiwalled</scp> carbon nanotubes and the formation of the <scp>multiscale</scp> conductivity network in long carbon fiber reinforced polypropylene. Polymer Composites, 2022, 43, 4645-4659.	2.3	4
2135	Synergistic Strengthening in Graphene Oxide and Oxidized Singleâ€walled Carbon Nanotube Hybrid Material for use as Electrolytes in Proton Exchange Membrane Fuel Cells. Chemistry - an Asian Journal, 2022, 17, .	1.7	2
2136	Metalâ€free Heterogeneous Catalytic Aromatization of Nâ€Heterocycles and Hydrocarbons by Carbocatalyst. Asian Journal of Organic Chemistry, 0, , .	1.3	1
2137	Effects of support porosity of Co-Mo/MgO catalyst on methane catalytic decomposition for carbon and hydrogen production. Journal of Industrial and Engineering Chemistry, 2022, 112, 162-170.	2.9	3
2138	Dielectric properties of hot-pressed Poly(vinylidene fluoride)/Functionalized carbon nanotube composites. Materials Chemistry and Physics, 2022, 285, 126134.	2.0	3
2139	Poly-NIPAM/Fe3O4/multiwalled carbon nanotube nanocomposites for kerosene removal from water. Environmental Pollution, 2022, 306, 119372.	3.7	9

#	Article	IF	Citations
2140	Load transfer mechanism at the calcium silicate hydrate/carbon nanotubes interface changed by carbon nanotubes surface modification investigated from atomic simulation. Applied Surface Science, 2022, 594, 153487.	3.1	11
2141	Tailoring surface carboxyl groups of mesoporous carbon boosts electrochemical H2O2 production. Journal of Colloid and Interface Science, 2022, 622, 849-859.	5.0	12
2142	Less energy-intensive synthesis of mesoporous multi-oriented graphite microspheres with low defect concentration for advanced potassium-ion battery anodes. Chemical Engineering Journal, 2022, 443, 136545.	6.6	10
2143	Highly efficient electroreduction of oxygen to hydrogen peroxide on carbon catalyst via electrode-electrolyte interface engineering. Chemical Engineering Journal, 2022, 444, 136665.	6.6	13
2144	Formation, control, and elimination of carbon on Ni-based catalyst during CO2 and CH4 conversion via dry reforming process: A review. Journal of CO2 Utilization, 2022, 61, 102050.	3.3	47
2145	Corrosion and Heat Transfer Characteristics of Water Dispersed with Carboxylate Additives & Multi-walled Carbon Nano Tubes. Nanoscience and Nanoengineering, 2014, 2, 59-69.	0.8	3
2146	A biomass derived porous carbon materials with adjustable interfacial electron transmission dynamics as highly-efficient air cathode for Zn-Air battery. Materials Research Bulletin, 2022, 153, 111908.	2.7	5
2147	Electrochemical Immunosensor for Individual and Simultaneous Determination of Cytokeratin Fragment Antigen 21-1 and Neuron-Specific Enolase Using Carbon Dots-Decorated Multiwalled Carbon Nanotube Electrode. SSRN Electronic Journal, 0, , .	0.4	0
2148	Ternary Chalcogenide-Based Quantum Dots and Carbon Nanotubes: Establishing a Toolbox for Controlled Formation of Nanocomposites. Journal of Physical Chemistry C, 2022, 126, 9076-9090.	1.5	3
2149	High Surface Area â€œ3D Graphene Oxideâ€•for Enhanced Sorption of Radionuclides. Advanced Materials Interfaces, 2022, 9, .	1.9	7
2150	Preparation of high load carbon fiber/graphene/bacterial cellulose/polyaniline electrodes facilitated by plasma towards high capacitive supercapacitors. Chemical Physics Letters, 2022, 802, 139741.	1.2	2
2151	Carbon nano-structures and functionalized associates: Adsorptive detoxification of organic and inorganic water pollutants. Inorganic Chemistry Communication, 2022, 141, 109579.	1.8	16
2152	Epoxy Nanocomposites with Carbon Nanotubes. ACS Symposium Series, 0, , 169-200.	0.5	1
2153	Plastic-fly ash waste composites reinforced with carbon nanotubes for sustainable building and construction applications: A review. Results in Chemistry, 2022, 4, 100405.	0.9	12
2154	Research Progress on Adsorption of Arsenic from Water by Modified Biochar and Its Mechanism: A Review. Water (Switzerland), 2022, 14, 1691.	1.2	18
2155	A comprehensive review on nanotechnology application in wastewater treatment a case study of metal-based using green synthesis. Journal of Environmental Chemical Engineering, 2022, 10, 108065.	3.3	41
2156	Effect of Carbon Nanotube Content and Mechanical Milling Conditions on the Manufacture of AA7075/MWCNT Composites. Metals, 2022, 12, 1020.	1.0	2
2157	Ultrasonic-Assisted Synthesis of Nanosized Graphite Obtained from Biomass and Its Assembly in Polyaniline-Composite Material for Energy Storage. Energy & Fuels, 2022, 36, 7130-7139.	2.5	3

#	Article	IF	Citations
2158	Single walled carbon nanotubes with encapsulated Pt(II) photocatalyst for the oxidation of sulfides in water. Journal of Catalysis, 2022, 413, 274-283.	3.1	2
2159	Investigate of shock wave mitigation performance of nanoâ€carbon fillers modified epoxy composites. Polymer Composites, 2022, 43, 7463-7472.	2.3	2
2160	Novel photothermal therapy using multi-walled carbon nanotubes and platinum nanocomposite for human prostate cancer PC3 cell line. Journal of Organometallic Chemistry, 2022, 975, 122422.	0.8	18
2161	Recent progress and challenges on the removal of per- and poly-fluoroalkyl substances (PFAS) from contaminated soil and water. Environmental Science and Pollution Research, 2022, 29, 58405-58428.	2.7	18
2162	Electrochemical Performance of Graphene Oxide/Black Arsenic Phosphorus/Carbon Nanotubes as Anode Material for LIBs. Materials, 2022, 15, 4576.	1.3	5
2163	Graphene oxide/montmorillonite composite aerogel with slit-shaped pores: Selective removal of Cu2+ from wastewater. Journal of Alloys and Compounds, 2022, 923, 166335.	2.8	12
2164	Intrinsic Catalytic Activity of Carbon Nanotubes for Electrochemical Nitrate Reduction. ACS Catalysis, 2022, 12, 9135-9142.	5.5	20
2165	Superhydrophobic, biocompatible and durable nanofiber composite with an asymmetric structure for anisotropic strain sensing and body motion detection. Chemical Engineering Journal, 2022, 450, 137899.	6.6	13
2166	Surface modification of <scp>MWCNT</scp> to improve the mechanical and thermal properties of natural rubber nanocomposites. Canadian Journal of Chemical Engineering, 2023, 101, 1881-1896.	0.9	1
2167	Novel combination of multi-walled carbon nanotubes and gold nanocomposite for photothermal therapy in human breast cancer model. Steroids, 2022, 186, 109091.	0.8	9
2168	Methods of nanoparticle dispersion in the polymer matrix. , 2022, , 469-479.		0
2169	Hexadecylamine functionalised graphene quantum dots as suitable nano-adsorbents for phenanthrene removal from aqueous solution. RSC Advances, 2022, 12, 23922-23936.	1.7	9
2170	Effect of Low-Energy Ion Assistance on the Structure and Optical Absorption of a-CH:Ag Composite Coatings. Journal of Experimental and Theoretical Physics, 2022, 134, 682-692.	0.2	2
2171	Toxicity mitigation and biodistribution of albumin corona coated graphene oxide and carbon nanotubes in Caenorhabditis elegans. NanoImpact, 2022, 27, 100413.	2.4	4
2172	Engineering Electro- and Photocatalytic Carbon Materials for CO₂ Reduction by Formate Dehydrogenase. Journal of the American Chemical Society, 2022, 144, 14207-14216.	6.6	35
2173	Iron/multiwalled carbon nanotube (Fe/MWCNT) hybrid materials characterization: thermogravimetric analysis as a powerful characterization technique. Journal of Thermal Analysis and Calorimetry, 2022, 147, 12355-12363.	2.0	3
2174	Nanotube Functionalization: Investigation, Methods and Demonstrated Applications. Materials, 2022, 15, 5386.	1.3	18
2175	Enhanced nitrogen doping in porous carbon and its composite with MnO2 as an efficient oxygen reduction catalyst for Mgâ€“air batteries. Journal of Materials Science, 2022, 57, 15929-15942.	1.7	6

#	Article	IF	Citations
2176	Enhanced electrochemical performance of screen-printed carbon electrode by RF-plasma-assisted polypyrrole modification. Journal of Materials Science: Materials in Electronics, 2022, 33, 19923-19936.	1.1	2
2178	Microwave-assisted synthesis of PAM preformed particle gels reinforced with carbon nanomaterials for conformance control in oil recovery. Fuel, 2022, 330, 125650.	3.4	2
2179	Preparation and characterization of polythiophene/gold nanoparticles/carbon nanotubes nanocomposites thin films: Spectroscopy and morphology. Materials Today Communications, 2022, 33, 104314.	0.9	3
2180	Electrochemical immunosensor for individual and simultaneous determination of Cytokeratin fragment antigen 21-1 and Neuron-specific enolase using carbon dots-decorated multiwalled carbon nanotube electrode. Microchemical Journal, 2022, 183, 107990.	2.3	6
2181	Chemical properties of carbon nanotubes. , 2022, , 281-304.		1
2182	Enhanced electro-peroxymonosulfate activation using a carbon nanotube filter with a functionalized polyelectrolyte. Environmental Science: Water Research and Technology, 2022, 8, 2314-2325.	1.2	2
2183	Properties of nanoadsorbents and adsorption mechanisms. Interface Science and Technology, 2022, , 233-263.	1.6	1
2184	Multi-Walled Carbon Nanotubes Functionalized with Hydroxamic Acid Derivatives for the Removal of Lead from Wastewater: Kinetics, Isotherm, and Thermodynamic Studies. Polymers, 2022, 14, 3870.	2.0	9
2185	Investigation of surface roughness influence on superhydrophobicâ€“superoleophilic patterns prepared by atmospheric pressure DBD in the layer-by-layer method. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	3
2186	Pseudohexagonal Nb₂O₅â€Decorated Carbon Nanotubes as a Highâ€Performance Composite Anode for Sodium Ion Batteries. ChemElectroChem, 2022, 9, .	1.7	4
2187	An enzyme-mimic single Fe-N ₃ atom catalyst for the oxidative synthesis of nitriles via Câ€C bond cleavage strategy. Science Advances, 2022, 8, .	4.7	28
2188	Highly efficient electro-peroxone enhanced by oxygen-doped carbon nanotubes with triple role of in-situ H2O2 generation, activation and catalytic ozonation. Chemical Engineering Journal, 2023, 452, 139597.	6.6	16
2189	Amino functionalization of magnetic multiwalled carbon nanotubes with flexible hydrophobic spacer for immobilization of Candida rugosa lipase and application in biocatalytic production of fruit flavour esters ethyl butyrate and butyl butyrate. Applied Nanoscience (Switzerland), 2023, 13, 4291-4311.	1.6	2
2190	Carbon Dots Mediated In Situ Confined Growth of Bi Clusters on gâ€C₃N₄ Nanomeshes for Boosting Plasmaâ€Assisted Photoreduction of CO₂. Small, 2022, 18, .	5.2	25
2191	<scp>PPSU</scp> dual layer hollow fiber mixed matrix membranes with functionalized <scp>MWCNT</scp> for enhanced antifouling, salt and dye rejection in water treatment. Journal of Applied Polymer Science, 2022, 139, .	1.3	5
2192	Sustainable and green polylactic acid-based membrane embedded with self-assembled positively charged f-MWCNTs/GO nanohybrids for the removal of nutrients from wastewater. Npj Clean Water, 2022, 5, .	3.1	6
2193	Surface Modified Carbon Nanotubes in Removal of Textile Effluents. ACS Symposium Series, 0, , 175-197.	0.5	1
2194	The Use of Carbon-Containing Compounds to Prepare Functional and Structural Composite Materials: A Review. Applied Sciences (Switzerland), 2022, 12, 9945.	1.3	6

#	Article	IF	Citations
2195	Niâ€“O₄ as Active Sites for Efficient Oxygen Evolution Reaction with Electronic Metalâ€“Support Interactions. ACS Applied Materials & Interfaces, 2022, 14, 47542-47548.	4.0	3
2196	Hybrid Carbon Nanotubes/Gold Nanoparticles Composites for Trace Nitric Oxide Detection over a Wide Range of Humidity. Sensors, 2022, 22, 7581.	2.1	2
2197	Voltammetric analysis of epinephrine using glassy carbon electrode modified with nanocomposite prepared from Co-Nd bimetallic nanoparticles, alumina nanoparticles and functionalized multiwalled carbon nanotubes. Environmental Science and Pollution Research, 2023, 30, 124866-124883.	2.7	6
2198	Adhesion of Bis-Salphen-Based Coordination Polymers to Graphene: Insights from Free Energy Perturbation Study. Polymers, 2022, 14, 4525.	2.0	0
2199	The mechanism and sorption kinetic analysis of hydrogen storage at room temperature using acid functionalized carbon nanotubes. International Journal of Hydrogen Energy, 2023, 48, 1930-1942.	3.8	21
2200	Improvement in electrical characteristics by surface modification of multi-wall carbon nanotube based buckypaper for de-icing application. Journal of Composite Materials, 2022, 56, 4487-4499.	1.2	1
2201	Researching proton conduction behavior at subzero temperature of lamellar anhydrous proton exchange membranes. Materials Chemistry and Physics, 2023, 294, 126969.	2.0	2
2202	Bifunctional carbon dots as cocatalyst and reactor decorating an organic photocatalyst for H₂ production from water-splitting in an emulsion. Journal of Materials Chemistry A, 2022, 11, 178-186.	5.2	8
2203	Dispersion and Alignment of Carbon Nanotubes in Polymer Matrix. , 2022, , 741-774.		0
2204	A comprehensive review on the removal of antibiotics from water and wastewater using carbon nanotubes: synthesis, performance, and future challenges. Environmental Science: Water Research and Technology, 2022, 9, 11-37.	1.2	1
2205	Preparation and characterization of fluoroalkyl activated carbons/PVDF composite membranes for water and resources recovery by membrane distillation. Separation and Purification Technology, 2023, 305, 122519.	3.9	8
2206	Corrosion resistance enhancement of a sol-gel coating by incorporation of modified carbon nanotubes: Artificial neural network (ANN) modeling and experimental explorations. Progress in Organic Coatings, 2023, 174, 107296.	1.9	3
2207	Recent Development of Nano-Carbon Material in Pharmaceutical Application: A Review. Molecules, 2022, 27, 7578.	1.7	8
2208	Fabrication of nanostructured molecularly imprinted polymer as enantioselective sensor and sorbent for L-phenylalanine benzyl ester. Journal of Polymer Research, 2022, 29, .	1.2	0
2209	Enhancing hydroxide conductivity at subzero temperature of anion exchange membranes based on imidazolium modified metal organic frameworks. Journal of Molecular Liquids, 2023, 370, 120943.	2.3	6
2210	Efficient copper removal using low-cost H3PO4 impregnated red-gram biochar-MnO2 nanocomposites. Bioresource Technology Reports, 2023, 21, 101304.	1.5	4
2211	Microstructural and physicochemical origins of electroless copper deposition on graphite enhanced by acid pretreatment. Materials Chemistry and Physics, 2023, 295, 127118.	2.0	1
2212	Solvent frost heave-driven relaxation of conductive network in carbon blacks/polyurethane fibers towards highly sensitive sensor. Composites Science and Technology, 2023, 232, 109868.	3.8	3

#	Article	IF	Citations
2213	Metal decorated carbon nanotube aerogels from sodium polyacrylate crosslinking by divalent ions. Carbon Trends, 2023, 10, 100235.	1.4	1
2214	Self-assembled Negatively Charged GO-MWCNT Composite for Wastewater Filtration. Advances in Science, Technology and Innovation, 2022, , 157-159.	0.2	0
2215	Enabling direct H2O2 electrosynthesis of 100Â% selectivity at 100ÂmAÂcmâ¯2 using a continuous flow sulfite/air fuel cell. Chemical Engineering Journal, 2023, 455, 140695.	6.6	9
2216	Development of a Toxic Lead Ionic Sensor Using Carboxyl-Functionalized MWCNTs in Real Water Sample Analyses. Sensors, 2022, 22, 8976.	2.1	3
2217	Evaluation of the Effect of Catalysts on Ozone Mass Transfer and Pollutant Abatement during Laboratory Catalytic Ozonation Experiments: Implications for Practical Water and Wastewater Treatment. ACS ES&T Engineering, 2023, 3, 387-397.	3.7	2
2218	Acetylation Strategy for Unzipping Carbon Nanotubes in High-Performance Lithium-Ion Batteries. ACS Applied Nano Materials, 2022, 5, 18779-18787.	2.4	0
2219	Effect of Surface Modification on Structural and Thermal Properties of Nanocarbons of Different Dimensionalities. Chemistry and Chemical Technology, 2022, 16, 573-580.	0.2	0
2220	Rational design of nitrogenâ€'doped carbon nanotubes by defect engineering for Znâ€'air batteries with high performance. Carbon, 2023, 204, 411-426.	5.4	11
2221	Graphene nano-sieves by femtosecond laser irradiation. Nanotechnology, 2023, 34, 105302.	1.3	4
2222	Selective Hydroxylation of Carbon Fiber Paper for Longâ€Lasting Hydrophilicity by a Green Chemistry Process. Advanced Materials Interfaces, 2023, 10, .	1.9	3
2223	Stress Relaxation Behavior and Electrically Activated Dynamic Exchange in Carbon Nanotube-Modified Epoxy Vitrimers. ACS Applied Polymer Materials, 2023, 5, 172-181.	2.0	0
2224	Magnetic Activated Biochar Fe3O4-MOS Made from Moringa Seed Shells for the Adsorption of Methylene Blue. Processes, 2022, 10, 2720.	1.3	5
2225	Improved Dynamic Compressive and Electro-Thermal Properties of Hybrid Nanocomposite Visa Physical Modification. Nanomaterials, 2023, 13, 52.	1.9	3
2226	Formation Mechanisms of Hydroxyl-Rich Carbon Layers on Carbon Nanotube Surfaces for Promoting the Hydrolysis of Cellulose to Sugar. ACS Applied Nano Materials, 2023, 6, 588-597.	2.4	3
2227	Identification and quantification of the distributed capacitance and ionic resistance in carbon-based supercapacitors using electrochemical techniques and the analysis of the charge-storage dynamics. Journal of Electroanalytical Chemistry, 2023, 929, 117140.	1.9	1
2228	Effect of nano-reinforcing phase on the early hydration of cement paste: A review. Construction and Building Materials, 2023, 367, 130147.	3.2	10
2229	Carboxylic multiwalled carbon nanotube aerogel-based macroscale fiber as a highly porous current collector. Composites Communications, 2023, 38, 101505.	3.3	6
2230	Mechanically-robust electrospun nanocomposite fiber membranes for oil and water separation. Environmental Research, 2023, 220, 115212.	3.7	10

#	Article	IF	Citations
2231	Effects of direct sulfonation on the catalytic activity and recyclability of novel lignin-based solid acid catalysts from agri-food waste. International Journal of Biological Macromolecules, 2023, 230, 123242.	3.6	11
2232	Carbonâ€Hybridized Hydroxides for Energy Conversion and Storage: Interface Chemistry and Manufacturing. Advanced Materials, 2023, 35, .	11.1	5
2233	Temperature-dependent hydrogen storage mechanism in palladium nanoparticles decorated on multi-walled carbon nanotubes. International Journal of Hydrogen Energy, 2023, 48, 9734-9747.	3.8	2
2234	Enhanced thermal and structural properties of UHMWPE/CNT nanocomposite sheets prepared by using melt compounding technique. Polymer Bulletin, 0, , .	1.7	0
2235	Carbonaceous nanofillers in polymer matrix. , 2023, , 23-53.		0
2236	Low-temperature magnetoresistance of functionalized multiwall carbon nanotubes. Low Temperature Physics, 2023, 49, 15-29.	0.2	0
2237	Metal-carbon nanotube composite for wavelength-selective bolometer with improved characteristics. Journal of Applied Physics, 2023, 133, .	1.1	3
2238	Characterization of adhesion strength between carbon nanotubes and cementitious materials. Cement and Concrete Composites, 2023, 138, 104953.	4.6	1
2239	Dual role of magnetic ionic liquid in EMI absorbing polymer composites of P(VDF-TrFE) and f-MWCNTs. Journal of Polymer Research, 2023, 30, .	1.2	4
2240	Methods for enhancing dispersibility of carbon nanotubes. , 2023, , 95-118.		0
2241	Comparative studies on promotional effect of Pr6O11, Nd2O3 and Sm2O3 on Niâ€“SiO2 for pressurized carbon dioxide reforming of methane. Journal of Rare Earths, 2023, 41, 830-838.	2.5	3
2242	Hydromechanical Impact on an Array of Horizontally Aligned Carbon Nanotubes. Nanobiotechnology Reports, 2022, 17, 774-779.	0.2	0
2243	Fabrication of carboxylated tubular carbon nanofibers as anode electrodes for high-performance lithiumâ€ion batteries. , 2023, , 183-210.		0
2244	Non-toxic CuInS2 quantum dot sensitized solar cell with functionalized thermoplast polyurethane gel electrolytes. Polymer, 2023, 269, 125708.	1.8	2
2245	Electrochemical deposition multi-walled carbon nanotube coatings on the surface of Ti6Al4V alloy for enhancing its biotribological properties. Journal of the Mechanical Behavior of Biomedical Materials, 2023, 142, 105825.	1.5	5
2246	A comprehensive study about the influence of pore structures of carbon-based electrode materials on the charge-storage processes of water-in-salt based supercapacitors. Journal of Energy Storage, 2023, 62, 106858.	3.9	2
2247	Millimolar analysis of para benzoquinone in water samples using MnO2 coupled bimetallic MOF-functionalized carbon nanotubes-based nanocomposite. Materials Research Bulletin, 2023, 164, 112249.	2.7	3
2248	Surface modification of multiwalled carbon nanotubes network through high energy electron beam and its implications on thermoelectric properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 293, 116464.	1.7	0

#	Article	IF	Citations
2249	N/S co-doped carbon nanosheets derived from sugarcane processing by-products for flexible solid-state supercapacitors. Journal of Electroanalytical Chemistry, 2023, 932, 117217.	1.9	6
2250	Direct-spun CNT textiles for high-performance electromagnetic interference shielding in an ultra-wide bandwidth. Carbon, 2023, 206, 166-180.	5.4	10
2251	Oxidized-Multiwalled Carbon Nanotubes as Non-Toxic Nanocarriers for Hydroxytyrosol Delivery in Cells. Nanomaterials, 2023, 13, 714.	1.9	4
2252	Structural, morphological and electrochemical characterization of the degradation processes during the oxygen reduction reaction of iron(II) phthalocyanine supported on carbon nanotubes. Electrochimica Acta, 2023, 446, 142060.	2.6	1
2253	Biomass-Derived Single Zn Atom Catalysts: The Multiple Roles of Single Zn Atoms in the Oxidative Cleavage of Câ€“N Bonds. Jacs Au, 2023, 3, 801-812.	3.6	3
2254	Recent Applications of Carbon Nanotubes for Separation and Enrichment of Lead Ions. Separations, 2023, 10, 152.	1.1	6
2255	Click-Functionalization of Silanized Carbon Nanotubes: From Inorganic Heterostructures to Biosensing Nanohybrids. Molecules, 2023, 28, 2161.	1.7	0
2256	Toward the Commercialization of Carbon Nanotube Field Effect Transistor Biosensors. Biosensors, 2023, 13, 326.	2.3	3
2257	Dielectrophoretic alignment of carbon nanotubes: theory, applications, and future. Nanotechnology, 2023, 34, 242001.	1.3	8
2258	Study of dual Filler Mixed Matrix Membranes with acid-functionalized MWCNTs and Metal-Organic Framework (UiO-66-NH2) in Cellulose Acetate for CO2 Separation. Journal of Polymers and the Environment, 2023, 31, 3404-3417.	2.4	5
2259	The effect of oxidative functionalization of carbon nanotubes on the morphological, optical, and photoelectrochemical properties of modified titanium dioxide photoanodes. Journal of Materials Science, 2023, 58, 5372-5388.	1.7	2
2260	Rapid Resistive Heating in Graphene/Carbon Nanotube Hybrid Films for De-icing Applications. ACS Applied Nano Materials, 2023, 6, 5155-5167.	2.4	3
2261	Synthesis, characterization and evaluation of porous carbon adsorbents derived from waste biomass for CO2 capture. Carbon Letters, 0, , .	3.3	1
2262	Co3O4 Supported on Graphene-like Carbon by One-Step Calcination of Cobalt Phthalocyanine for Efficient Oxygen Reduction Reaction under Alkaline Medium. Nanomaterials, 2023, 13, 1241.	1.9	3
2263	Kinetic evaluation and study of gold-based nanoparticles and multi-walled carbon nanotubes as an alkaline phosphatase inhibitor in serum and pure form. Carbon Letters, 2023, 33, 1217-1229.	3.3	3
2264	Ultrafast and Resist-Free Nanopatterning of 2D Materials by Femtosecond Laser Irradiation. ACS Nano, 2023, 17, 8041-8052.	7.3	5
2265	Catalytic CO₂ Capture via Ultrasonically Activating Dually Functionalized Carbon Nanotubes. ACS Nano, 2023, 17, 8345-8354.	7.3	4
2266	Functionalized nanoparticles-based polymer nanocomposites: synthesis, characterizations, and biodegradability aspects. , 2023, , 205-240.		1

#	Article	IF	Citations
2303	Functionalization Techniques for Carbon Dedicated to Electrochemical Use. Materials Horizons, 2024, , 253-271.	0.3	0
2304	Oxidative debris in graphene oxide: a decade of research. Journal of Materials Chemistry C, 2023, 11, 12429-12452.	2.7	2
2313	Graphene-based Nanocomposites for Sensing. , 2023, , 47-79.		0
2316	Ecotoxicological effects and socio-economical aspects of nanoadsorbent materials. , 2023, , 507-531.		0
2374	Green nanomaterials in sample pre-treatment processes. Comprehensive Analytical Chemistry, 2024, , 83-116.	0.7	0