Dispersion and alignment of carbon nanotubes in polyn

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Citation Report

#	Article	IF	Citations
1	Poly(ethylene terephthalate) nanocomposites using nanoclays modified with thermally stable surfactants. , 2011, , 100-120.		2
2	The quantitative characterization of the concentration and dispersion of multi-walled carbon nanotubes in suspension by spectrophotometry. Nanotechnology, 2006, 17, 3692-3698.	1.3	94
3	Mechanical properties of electrospun carbon nanotube composites. Journal of the Textile Institute, 2006, 97, 419-427.	1.0	11
4	Carbon nanotube-reinforced composites as structural materials for microactuators in microelectromechanical systems. Nanotechnology, 2006, 17, 4895-4903.	1.3	106
5	Electrospun fibers from poly(methyl methacrylate)/vapor grown carbon nanofibers. Polymers for Advanced Technologies, 2006, 17, 391-394.	1.6	11
6	Synthesis and self-assembly of polystyrene-grafted multiwalled carbon nanotubes with a hairy-rod nanostructure. Journal of Polymer Science Part A, 2006, 44, 3869-3881.	2.5	71
7	Nanocomposites of polystyrene-b-polyisoprene copolymer with layered silicates and carbon nanotubes. European Polymer Journal, 2006, 42, 2098-2107.	2.6	35
8	A comparison between Raman spectroscopy and surface characterizations of multiwall carbon nanotubes. Carbon, 2006, 44, 3005-3013.	5.4	235
9	The role of surfactants in dispersion of carbon nanotubes. Advances in Colloid and Interface Science, 2006, 128-130, 37-46.	7.0	1,224
10	The influence of silicate-based nano-filler on the fracture toughness of epoxy resin. Engineering Fracture Mechanics, 2006, 73, 2336-2345.	2.0	64
11	Stability of the aqueous suspensions of nanotubes in the presence of nonionic surfactant. Journal of Colloid and Interface Science, 2006, 299, 740-746.	5.0	96
12	Carbon nanotube and epoxy composites for military applications. , 2006, , 633-675.		7
13	Preparation of water-soluble carbon nanotubes using a pulsed streamer discharge in water. Nanotechnology, 2006, 17, 3421-3427.	1.3	51
14	Non-metal Catalysts for Dioxygen Reduction in an Acidic Electrolyte. Catalysis Letters, 2006, 109, 115-123.	1.4	239
15	The dispersion stability of multi-walled carbon nanotubes in the presence of poly(styrene/Î±-methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	17
16	Modification of starch for high performance elastomer. Polymer, 2006, 47, 3896-3903.	1.8	64
17	Facile preparation of epoxy-based composite with oriented graphite nanosheets. Polymer, 2006, 47, 8401-8405.	1.8	52
18	Preparation and Characterization of Carbon Nanotubes-Coated Cordierite for Catalyst Supports. Journal of Natural Gas Chemistry, 2006, 15, 211-216.	1.8	7

#	Article	IF	Citations
19	Multiwalled Carbon Nanotubes Functionalized by Hyperbranched Poly(urea-urethane)s by a One-Pot Polycondensation. Macromolecular Rapid Communications, 2006, 27, 1695-1701.	2.0	87
20	Strong Anisotropy in the Far-Infrared Absorption Spectra of Stretch-Aligned Single-Walled Carbon Nanotubes. Advanced Materials, 2006, 18, 1166-1169.	11.1	133
21	Anisotropic conductance of the multiwall carbon nanotube array/silicone elastomer composite film. Nanotechnology, 2006, 17, 4374-4378.	1.3	16
22	Observation and analysis of percolation behavior in carbon microcoils/silicone-rubber composite sheets. Applied Physics Letters, 2006, 88, 232115.	1.5	28
23	Fabrication and Mechanical Properties of Carbon Nanotubes/Epoxy Resin Composites Prepared by a Sonication Technique. Key Engineering Materials, 2007, 353-358, 1374-1377.	0.4	0
24	The present status and key problems of carbon nanotube based polymer composites. EXPRESS Polymer Letters, 2007, 1, 253-273.	1.1	408
25	Thin-film synthesis and microstructure characterization of the poly(vinyl alcohol) matrix with functionalized carbon nanotubes. Journal of Materials Research, 2007, 22, 1872-1878.	1.2	3
26	Electrochemical Dilatometry Study on Si-Embedded Carbon Nanotube Powder Electrodes. Electrochemical and Solid-State Letters, 2007, 10, A142.	2.2	46
27	Mechanical Properties of Carbon Nanofiber Reinforced Polylactic Acid. Key Engineering Materials, 2007, 345-346, 1225-1228.	0.4	2
28	Fundamentals of Polymer Nanocomposite Technology. , 0, , 31-66.		25
29	Solubilization of Carbon Nanotubes and Their Applications. Kobunshi Ronbunshu, 2007, 64, 539-552.	0.2	4
30	Oriented Vapor-Grown Carbon Fiber/Polymer Composite Film by Magnetic Field and Their Electric Conductive Properties. Kobunshi Ronbunshu, 2007, 64, 727-734.	0.2	2
31	Ethyleneâ€“Norbornene Copolymerization by Rareâ€Earth Metal Complexes and by Carbon Nanotubeâ€Supported Metallocene Catalysis. Macromolecular Symposia, 2007, 260, 114-121.	0.4	13
32	Polymer Nanocomposites. MRS Bulletin, 2007, 32, 314-322.	1.7	610
33	Carbon nanotubes and liquid crystalline phases. Liquid Crystals Today, 2007, 16, 1-11.	2.3	81
34	Poly(methyl methacrylate)/Multi-wall Carbon Nanotubes Composites Prepared by Solvent Cast Technique: Composites Electrical Percolation Threshold. Journal of Reinforced Plastics and Composites, 2007, 26, 1705-1712.	1.6	26
35	Magnetic-Field Induced Efficient Alignment of Carbon Nanotubes in Aqueous Solutions. Chemistry of Materials, 2007, 19, 787-791.	3.2	61
36	Enhancement of the mechanical performance of poly(vinyl chloride) using poly(n-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.3	42

#	Article	IF	Citations
37	New covalent bonded polymerâ€“calcium silicate hydrate composites. Journal of Materials Chemistry, 2007, 17, 913-922.	6.7	68
38	Dielectric Properties of Nanocomposites Based on Polystyrene and Polyhedral Oligomeric Phenethyl-Silsesquioxanes. Macromolecules, 2007, 40, 9672-9679.	2.2	101
39	Nanocomposites of Polyhedral Oligomeric Phenethylsilsesquioxanes and Poly(bisphenol A carbonate) as Investigated by Dielectric Spectroscopy. Macromolecules, 2007, 40, 2955-2964.	2.2	87
40	Study on the Functionalization of Multi-Walled Carbon Nanotube with Monoamine Terminated Poly(ethylene oxide). Macromolecular Symposia, 2007, 249-250, 276-282.	0.4	9
41	Structure and Photoresponsive Behaviors of Multiwalled Carbon Nanotubes Grafted by Polyurethanes Containing Azobenzene Side Chains. Journal of Physical Chemistry C, 2007, 111, 11231-11239.	1.5	64
42	Multifunctional layer-by-layer carbon nanotubeâ€“polyelectrolyte thin films for strain and corrosion sensing. Smart Materials and Structures, 2007, 16, 429-438.	1.8	259
43	Carbon Nanotube Reinforced Composites. Journal of the Society of Mechanical Engineers, 2007, 110, 192-193.	0.0	0
44	Aligned Carbon Nanotubes in the Supramolecular Order of Discotic Liquid Crystals. Angewandte Chemie - International Edition, 2007, 46, 1501-1503.	7.2	110
46	Mechanical Reinforcement of Polyethylene Using Polyethyleneâ€Grafted Multiwalled Carbon Nanotubes. Advanced Functional Materials, 2007, 17, 2062-2069.	7.8	227
47	Correlations between Percolation Threshold, Dispersion State, and Aspect Ratio of Carbon Nanotubes. Advanced Functional Materials, 2007, 17, 3207-3215.	7.8	913
48	Regenerated-Cellulose/Multiwalled- Carbon-Nanotube Composite Fibers with Enhanced Mechanical Properties Prepared with the Ionic Liquid 1-Allyl-3-methylimidazolium Chloride. Advanced Materials, 2007, 19, 698-704.	11.1	262
49	Ethyleneâ€“Norbornene Copolymerization by Carbon Nanotube-Supported Metallocene Catalysis: Generation of High-Performance Polyolefinic Nanocomposites. Macromolecular Rapid Communications, 2007, 28, 822-827.	2.0	28
50	Polyimide/Diamond Nanocomposites: Microstructure and Indentation Behavior. Macromolecular Rapid Communications, 2007, 28, 2069-2073.	2.0	21
51	Surface modification of multi-walled carbon nanotubes by a solâ€“gel reaction to increase their compatibility with PMMA resin. Composites Science and Technology, 2007, 67, 1018-1026.	3.8	37
52	Properties of carbon nanotubeâ€“polymer composites aligned in a magnetic field. Carbon, 2007, 45, 2037-2046.	5.4	184
53	Polymer-wrapped multiwalled carbon nanotubes synthesized via microwave-assisted in situ emulsion polymerization and their optical limiting properties. Carbon, 2007, 45, 2866-2872.	5.4	72
54	Percolation behaviour of ultrahigh molecular weight polyethylene/multi-walled carbon nanotubes composites. European Polymer Journal, 2007, 43, 949-958.	2.6	278
55	Effect of carbon nanotubes on mechanical and electrical properties of polyimide/carbon nanotubes nanocomposites. European Polymer Journal, 2007, 43, 3750-3756.	2.6	180

#	Article	IF	Citations
56	Morphology and mechanical properties of Nylon 6/MWNT nanofibers. Polymer, 2007, 48, 1096-1104.	1.8	165
57	Intercalated structure of polypropylene/in situ polymerization-modified talc composites via melt compounding. Polymer, 2007, 48, 3555-3564.	1.8	25
58	A dynamic liquid support system for continuous electrospun yarn fabrication. Polymer, 2007, 48, 3400-3405.	1.8	246
59	The effect of interfacial chemistry on molecular mobility and morphology of multiwalled carbon nanotubes epoxy nanocomposite. Polymer, 2007, 48, 5662-5670.	1.8	231
60	Selective sequestering of multi-walled carbon nanotubes in self-assembled block copolymer. Sensors and Actuators B: Chemical, 2007, 126, 301-305.	4.0	33
61	Evaluating the orientation and dispersion of carbon nanotubes inside nanocomposites by a focused-ion-beam technique. Materials Letters, 2007, 61, 5095-5097.	1.3	7
62	Towards cost-efficient EMI shielding materials using carbon nanostructure-based nanocomposites. Nanotechnology, 2007, 18, 345701.	1.3	156
63	Photoluminescence and optical absorption properties of polymer modified carbon nanotubes. Journal of Nanoparticle Research, 2007, 9, 289-292.	0.8	3
64	Effects of particle size, particle/matrix interface adhesion and particle loading on mechanical properties of particulateâ€“polymer composites. Composites Part B: Engineering, 2008, 39, 933-961.	5.9	2,646
65	The effects of CNT alignment on electrical conductivity and mechanical properties of SWNT/epoxy nanocomposites. Composites Science and Technology, 2008, 68, 1644-1648.	3.8	316
66	Effect of substrate temperature on poly(methyl methacrylate) nanocomposite thin films deposited by matrix assisted pulsed laser evaporation. Thin Solid Films, 2008, 516, 6033-6040.	0.8	34
67	Natural inorganic nanotubes reinforced epoxy resin nanocomposites. Journal of Polymer Research, 2008, 15, 205-212.	1.2	140
68	A three-phase cylindrical shear-lag model for carbon nanotube composites. Acta Mechanica, 2008, 196, 33-54.	1.1	27
69	Electrospinning functional nanoscale fibers: a perspective for the future. Polymer International, 2008, 57, 385-389.	1.6	109
70	Nanocomposites based on polyolefins and functional thermoplastic materials. Polymer International, 2008, 57, 805-836.	1.6	124
71	Epoxy/amineâ€functionalized shortâ€length vaporâ€grown carbon nanofiber composites. Journal of Polymer Science Part A, 2008, 46, 7473-7482.	2.5	34
72	Effect of interaction between poly(ethylene terephthalate) and carbon nanotubes on the morphology and properties of their nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 900-910.	2.4	41
73	Electrical and mechanical properties of multiâ€walled carbon nanotubes reinforced PMMA and PS composites. Polymer Composites, 2008, 29, 717-727.	2.3	182

#	Article	IF	Citations
74	Characterization of processing effects in HIPSâ€CNF composites using thermogravimetric analysis. Polymer Engineering and Science, 2008, 48, 1120-1125.	1.5	2
75	Electrical, Morphological and Rheological Study of Meltâ€Mixed Polystyrene/Copper Nanowire Nanocomposites. Macromolecular Materials and Engineering, 2008, 293, 631-640.	1.7	20
76	Use of Singleâ€Walled Carbon Nanotubes as Reinforcing Fillers in UVâ€Curable Epoxy Systems. Macromolecular Materials and Engineering, 2008, 293, 708-713.	1.7	20
77	Anisotropic Electrical Transport Properties of Aligned Carbon Nanotube/PMMA Films Obtained by Electricâ€Fieldâ€Assisted Thermal Annealing. Macromolecular Materials and Engineering, 2008, 293, 867-871.	1.7	19
78	Multiscale mechanical phenomena in electrospun carbon nanotube composites. Journal of Applied Polymer Science, 2008, 108, 1191-1200.	1.3	2
79	Carbon Nanotube Triggered Selfâ€Assembly of Oligo(pâ€phenylene vinylene)s to Stable Hybrid Ïâ€Gels. Angewandte Chemie - International Edition, 2008, 47, 5746-5749.	7.2	119
80	Bioinspired Superhydrophobic Coatings of Carbon Nanotubes and Linear Ïâ€…Systems Based on the â€œBottomâ€upâ€•Selfâ€Assembly Approach. Angewandte Chemie - International Edition, 2008, 47, 5750-5754.	7.2	155
81	Combinatorial development of polymer nanocomposites using transient processing conditions in twin screw extrusion. AICHE Journal, 2008, 54, 1895-1900.	1.8	3
84	Weak polyelectrolyte control of carbon nanotube dispersion in water. Journal of Colloid and Interface Science, 2008, 317, 346-349.	5.0	57
85	Effect of acid treated multi-walled carbon nanotubes on the mechanical, permeability, thermal properties and thermo-oxidative stability of isotactic polypropylene. Polymer Degradation and Stability, 2008, 93, 952-967.	2.7	200
86	Location-selective incorporation of multiwalled carbon nanotubes in polycarbonate microspheres. Polymer, 2008, 49, 2071-2076.	1.8	29
87	Cure behavior of epoxy/MWCNT nanocomposites: The effect of nanotube surface modification. Polymer, 2008, 49, 3310-3317.	1.8	189
88	Synthesis and characterization of sulfonated single-walled carbon nanotubes and their performance as solid acid catalyst. Journal of Solid State Chemistry, 2008, 181, 432-438.	1.4	138
89	Chemorheological behaviour of double-walled carbon nanotube-epoxy nanocomposites. Composites Science and Technology, 2008, 68, 1862-1868.	3.8	35
90	Mechanical properties of surface-functionalized SWCNT/epoxy composites. Carbon, 2008, 46, 320-328.	5.4	250
91	H2SO4/HNO3/Hclâ€”Functionalization and its effect on dispersion of carbon nanotubes in aqueous media. Applied Surface Science, 2008, 255, 2485-2489.	3.1	356
92	Novel mechanism for spinning continuous twisted composite nanofiber yarns. European Polymer Journal, 2008, 44, 1-12.	2.6	90
93	Pyrene-containing polystyrene segmented copolymer from nitroxide mediated polymerization and its application for the noncovalent functionalization of as-prepared multiwalled carbon nanotubes. European Polymer Journal, 2008, 44, 3087-3095.	2.6	33

#	Article	IF	Citations
94	Hybrid nanocomposites containing carbon nanotubes and graphite nanoplatelets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 483-484, 660-663.	2.6	172
95	Direct current electrical and microwave properties of polymer-multiwalled carbon nanotubes composites. Journal of Applied Physics, 2008, 103, .	1.1	94
96	Mechanism of KCl Enhancement in Detection of Nonionic Polymers by Nanopore Sensors. Biophysical Journal, 2008, 95, 5186-5192.	0.2	69
97	Growth of carbon nanostructures on carbonized electrospun nanofibers with palladium nanoparticles. Nanotechnology, 2008, 19, 195303.	1.3	67
98	Simulation Study of Noncovalent Hybridization of Carbon Nanotubes by Single-Stranded DNA in Water. Journal of Physical Chemistry B, 2008, 112, 16076-16089.	1.2	71
99	Carbon nanotubes in triphenylene and rufigallol-based room temperature monomeric and polymeric discotic liquid crystals. Journal of Materials Chemistry, 2008, 18, 3032.	6.7	87
100	Fluorescent Single Walled Carbon Nanotube/Silica Composite Materials. ACS Nano, 2008, 2, 2283-2290.	7.3	40
101	Kinetically Controlled Side-Wall Functionalization of Carbon Nanotubes by Nitric Acid Oxidation. Journal of Physical Chemistry C, 2008, 112, 6758-6763.	1.5	128
102	Tandem Action of Earlyâ˜Late Transition Metal Catalysts for the Surface Coating of Multiwalled Carbon Nanotubes with Linear Low-Density Polyethylene. Chemistry of Materials, 2008, 20, 3092-3098.	3.2	35
103	Infiltration of liquid metals in a nanoporous carbon. Philosophical Magazine Letters, 2008, 88, 67-73.	0.5	3
104	Skin-Core Micro-Structure and Surface Orientation of Carbon Nanotube Composites by Injection Molding Process. Solid State Phenomena, 2008, 136, 51-56.	0.3	7
105	Macroscopic Networks of Carbon Nanotubes in PMMA Matrix Induced by AC Electric Field. Journal of Dispersion Science and Technology, 2008, 29, 502-507.	1.3	12
106	Electrospun fibrous nanocomposites as permeable, flexible strain sensors. Journal of Applied Physics, 2008, 103, .	1.1	45
108	Preparation and Characterization of Polyurethane/Multiwalled Carbon Nanotube Composites. Polymers and Polymer Composites, 2008, 16, 501-507.	1.0	28
109	Present Status and Key Challenges of Carbon Nanotubes Reinforced Polyolefins: A Review on Nanocomposites Manufacturing and Performance Issues. Polymers and Polymer Composites, 2009, 17, 205-245.	1.0	30
110	Nanocomposites: synthesis, structure, properties and new application opportunities. Materials Research, 2009, 12, 1-39.	0.6	1,035
111	The influence of a compatibilizer on the thermal and dynamic mechanical properties of PEEK/carbon nanotube composites. Nanotechnology, 2009, 20, 315707.	1.3	87
112	Nonâ€Covalent Functionalization of Carbon Nanotubes with Surfactants and Polymers. Journal of the Chinese Chemical Society, 2009, 56, 234-239.	0.8	103

#	Article	IF	Citations
113	FUNCTIONALIZED MWCNTS REINFORCED POLYETEHYLENE FIBER COMPOSITE: MECHANICAL STRENGTH CHARACTERIZATION. International Journal of Modern Physics B, 2009, 23, 1419-1424.	1.0	0
114	Process, Structure, and Properties of Electrospun Carbon Nanotube-Reinforced Nanocomposite Yarns. Research Letters in Materials Science, 2009, 2009, 1-5.	0.2	12
115	Electrocatalytic Activity of Oxygen and Hydrogen Peroxide Reduction at Poly(iron) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 667 Td (tetra(o Electrochemical Society, 2009, 156, K238.	1.3	12
116	The functionalization of carbon nanofibers with 4,4â€²-diaminodiphenylmethane, a curing agent for epoxy resins. Journal of Materials Research, 2009, 24, 1435-1445.	1.2	11
117	Processing of carbon nanotubes and carbon nanotube based nanocomposites. , 2009, , 622-652.		0
118	Electrical and mechanical properties of carbon nanotube-polyimide composites. Journal of Vacuum Science & Technology B, 2009, 27, 3139.	1.3	27
119	Synergy Effects of Electrospun Polysulfone/CNTs Hybrid Nanofibers Toughened and Reinforced Epoxy. Advanced Materials Research, 2009, 79-82, 517-520.	0.3	0
120	Recent advances in polymer processing: the state of the art, new challenges and opportunities. , 2009, , 3-12.		0
121	Preparation and Thermal Properties of Phosphorus-Containing Copolyester Nanocomposites with Carbon Nanotube. Advanced Materials Research, 2009, 87-88, 282-287.	0.3	0
122	Polyanilineâ€“MWCNT nanocomposites for microwave absorption and EMI shielding. Materials Chemistry and Physics, 2009, 113, 919-926.	2.0	615
123	Improvement of mechanical and thermal properties of carbon nanotube composites through nanotube functionalization and processing methods. Materials Chemistry and Physics, 2009, 117, 313-320.	2.0	107
124	Specific Functionalization of Carbon Nanotubes for Advanced Polymer Nanocomposites. Advanced Functional Materials, 2009, 19, 3962-3971.	7.8	93
125	Recent Progress on Nafionâ€Based Nanocomposite Membranes for Fuel Cell Applications. Macromolecular Materials and Engineering, 2009, 294, 719-738.	1.7	116
126	Bâ€staged epoxy/singleâ€walled carbon nanotube nanocomposite thin films for composite reinforcement. Journal of Applied Polymer Science, 2009, 112, 290-298.	1.3	34
127	Conductivity and mechanical properties of composites based on MWCNTs and styreneâ€butadieneâ€styrene blockâ„¢ copolymers. Journal of Applied Polymer Science, 2009, 112, 3241-3248.	1.3	53
128	Mechanical reinforcement of poly(1â€butene) using polypropyleneâ€grafted multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2009, 113, 1165-1172.	1.3	19
129	Rheological properties and percolation in suspensions of multiwalled carbon nanotubes in polycarbonate. Rheologica Acta, 2009, 48, 943-959.	1.1	156
130	Monitoring dispersion of carbon nanotubes in a thermosetting polyester resin. Composites Science and Technology, 2009, 69, 1516-1520.	3.8	56

#	Article	IF	Citations
131	Naphthalene as an alternative carbon source for pyrolytic synthesis of carbon nanostructures. Journal of Analytical and Applied Pyrolysis, 2009, 86, 386-390.	2.6	25
132	Processing and properties of poly(Îµ-caprolactone)/carbon nanofibre composite mats and films obtained by electrospinning and solvent casting. Journal of Materials Science, 2009, 44, 4789-4795.	1.7	30
133	Carbon fibers modified with carbon nanotubes. Journal of Materials Science, 2009, 44, 4721-4727.	1.7	20
134	Preparation, properties and application of polyamide/carbon nanotube nanocomposites. Macromolecular Research, 2009, 17, 207-217.	1.0	32
135	Bundling influence on ultrafast optical nonlinearities ofÂsingle-walled carbon nanotubes in suspension and compositeÂfilm. Applied Physics B: Lasers and Optics, 2009, 97, 157-162.	1.1	15
136	Oneâ€Dimensional Composite Nanomaterials: Synthesis by Electrospinning and Their Applications. Small, 2009, 5, 2349-2370.	5.2	801
137	Preparation and characterization of functionalized carbon nanotubes/poly(phthalazinone ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 50	2.3	19
138	Synthesis and characterization of multiwalled carbon nanotubesâ€polymethyl methacrylate composites prepared by in situ polymerization method. Polymer Composites, 2009, 30, 1312-1317.	2.3	38
139	Adaptation of polystyrene/multiâ€wall carbon nanotube composite properties in respect of its thermal stability. Polymer Composites, 2010, 31, 452-458.	2.3	5
140	Effect of processing technique on the dispersion of carbon nanotubes within polypropylene carbon nanotubeâ€composites and its effect on their mechanical properties. Polymer Composites, 2010, 31, 772-780.	2.3	24
141	Influence of modified carbon nanotube on physical properties and crystallization behavior of poly(ethylene terephthalate) nanocomposite. Polymer Composites, 2010, 31, 858-869.	2.3	13
142	Mechanical and thermal properties of functionalized multiwalled carbon nanotubes/cyanate ester composite. Polymer Engineering and Science, 2009, 49, 680-684.	1.5	26
143	Properties of ultrahighâ€molecularâ€weight polyethylene nanocomposite films containing different functionalized multiwalled carbon nanotubes. Polymer Engineering and Science, 2009, 49, 2168-2178.	1.5	20
144	Immobilization of RAFT agents on silica nanoparticles utilizing an alternative functional group and subsequent surfaceâ€initiated RAFT polymerization. Journal of Polymer Science Part A, 2009, 47, 467-484.	2.5	39
145	Preparation and characterization of nematic polyazomethine/singleâ€walled carbon nanotube composites prepared by in situ polymerization. Journal of Polymer Science Part A, 2009, 47, 2361-2372.	2.5	12
146	Effective in situ synthesis and characteristics of polystyrene nanoparticleâ€covered multiwall carbon nanotube composite. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 1523-1529.	2.4	17
147	Electrospinning of poly(ethyleneâ€coâ€vinyl acetate)/clay nanocomposite fibers. Journal of Polymer Science, Part B: Polymer Physics, 2009, 47, 2501-2508.	2.4	16
148	Evidence of multi-walled carbon nanotube fragmentation induced by sonication during nanotube encapsulation via bulk-suspension polymerization. Micron, 2009, 40, 621-627.	1.1	29

#	Article	IF	Citations
149	Fundamental aspects and recent progress on wear/scratch damage in polymer nanocomposites. Materials Science and Engineering Reports, 2009, 63, 31-80.	14.8	223
150	Potential applicability of CNT and CNT/composites to implement ASEC concept: A review article. Solar Energy, 2009, 83, 1379-1389.	2.9	42
151	Capacitive humidity sensors based on MWCNTs/polyelectrolyte interfaces deposited on flexible substrates. Microelectronics Journal, 2009, 40, 887-890.	1.1	26
152	Dispersion of multi-walled carbon nanotubes in poly(p-phenylene) thin films and their electrical characteristics. Particuology, 2009, 7, 403-407.	2.0	11
153	Interface interactions in benzophenone doped by multiwalled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1554-1560.	1.3	9
154	Ultrasound assisted twin screw extrusion of polymerâ€“nanocomposites containing carbon nanotubes. Polymer, 2009, 50, 250-260.	1.8	169
155	Electrically conductive and super-tough polyamide-based nanocomposites. Polymer, 2009, 50, 4112-4121.	1.8	104
156	Microstructure and macroscopic properties of hybrid carbon nanofiber/silica fume cement composites. Composites Science and Technology, 2009, 69, 1310-1318.	3.8	237
157	Polystyrene/multi-wall carbon nanotube composites prepared by suspension polymerization and their electrorheological behavior. Current Applied Physics, 2009, 9, 184-188.	1.1	32
158	Regenerated bacterial cellulose/multi-walled carbon nanotubes composite fibers prepared by wet-spinning. Current Applied Physics, 2009, 9, e96-e99.	1.1	86
159	A review of vapor grown carbon nanofiber/polymer conductive composites. Carbon, 2009, 47, 2-22.	5.4	978
160	Modified carbon nanotube composites with high dielectric constant, low dielectric loss and large energy density. Carbon, 2009, 47, 1096-1101.	5.4	294
161	Doubly functionalized multiwall carbon nanotubes with enhanced solubility. Carbon, 2009, 47, 2552-2555.	5.4	4
162	Development and characterization of PEEK/carbon nanotube composites. Carbon, 2009, 47, 3079-3090.	5.4	170
163	Carbon Nanotube Enhanced Gripping in Polymer-Based Actuators. Journal of Physical Chemistry C, 2009, 113, 7223-7226.	1.5	24
164	Design and characterization of a carbon-nanotube-reinforced adhesive coating for piezoelectric ceramic discs. Smart Materials and Structures, 2009, 18, 125001.	1.8	11
165	Dielectric Properties of Nanocomposites Based on Polyethylene and Layered Double Hydroxide. Macromolecules, 2009, 42, 4165-4174.	2.2	79
166	Enhanced mechanical properties of single-walled carbon nanotubes due to chemical functionalization. Journal of Physics Condensed Matter, 2009, 21, 215301.	0.7	7

#	Article	IF	Citations
167	Influence of carboxylic functionalization of MWCNTs on the thermal properties of MWCNTs/DGEBA/EMI-2,4 nanocomposites. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1792-1797.	3.8	15
168	Evaluation of dispersion state and thermal conductivity measurement of carbon nanotubes/UV-curable resin nanocomposites. Synthetic Metals, 2009, 159, 827-830.	2.1	19
169	Static, rheological and mechanical properties of polymer nanocomposites studied by computer modeling and simulation. Physical Chemistry Chemical Physics, 2009, 11, 11365.	1.3	60
170	The fabrication of single-walled carbon nanotube/polyelectrolyte multilayer composites by layer-by-layer assembly and magnetic field assisted alignment. Nanotechnology, 2009, 20, 335601.	1.3	28
171	Theoretical analysis of carbon nanotube wetting in polystyrene nanocomposites. Physical Chemistry Chemical Physics, 2009, 11, 11121.	1.3	3
172	Poly(3,4-ethylenedioxythiophene)â^'Multiwalled Carbon Nanotube Composite Films: Structure-Directed Amplified Electrochromic Response and Improved Redox Activity. Journal of Physical Chemistry B, 2009, 113, 9416-9428.	1.2	113
173	Carbon nanotubes and nanotube composites for nonlinear optical devices. Journal of Materials Chemistry, 2009, 19, 7425.	6.7	217
174	The ionic liquid-associated synthesis of a cellulose/SWCNT complex and its remarkable biocompatibility. Journal of Materials Chemistry, 2009, 19, 3612.	6.7	56
175	The mechanical and impact properties of MWNTs/LDPE nanocomposites. Pigment and Resin Technology, 2009, 38, 305-309.	0.5	4
176	Carbon nanotube reservoirs for self-healing materials. Nanotechnology, 2009, 20, 335704.	1.3	85
177	Tensile Characterization of Carbon Nanotube-Reinforced Polymer Composites at Cryogenic Temperatures: Experimens and Multiscale Simulations. Materials Transactions, 2009, 50, 436-445.	0.4	35
178	Effect of dispersion of carbon nanotubes in polyacrylonitrile matrix on mechanical and thermal behavior of nanocomposites. Journal of Physics: Conference Series, 2009, 146, 012005.	0.3	7
179	Creep and Fatigue Behavior of Polymer Nanocomposites. , 2009, , 301-339.		12
180	Polymer Nanocomposites Containing Vapor-Grown Carbon Fibers Alignedby Magnetic or Electric Field Processing. , 2009, , .		0
181	Thermal Conductivity of Polymer Nanocomposites. , 2009, , .		1
182	Deformation Mechanisms of Functionalized Carbon Nanotube Reinforced Polymer Nanocomposites. , 2009, , 341-375.		3
183	Performance of Carbon Nanofiberâ€“Cement Composites with a High-Range Water Reducer. Transportation Research Record, 2010, 2142, 109-113.	1.0	68
185	Characterization of Multi-Walled Carbon Nanotubes which were Processed by A Dispersion Method and Applications to Electro Conductive Thin Layers. Kobunshi Ronbunshu, 2010, 67, 89-96.	0.2	0

#	Article	IF	Citations
186	Microscopic Structure Control of Carbon Nanofiller/Epoxy Composite by Using AC Electrical Field and the Effect on Physical Properties. Journal of Solid Mechanics and Materials Engineering, 2010, 4, 1550-1562.	0.5	1
190	Carbon-Nanotube-Based Sensors. , 2010, , 1-30.		0
192	Aliphatic polyurethane-silica nanocomposites prepared by the parallel synthesis: Morphology and mechanical characteristics. Physics of the Solid State, 2010, 52, 612-619.	0.2	1
193	Morphology and structure of electrospun CoFe2O4/multi-wall carbon nanotubes composite nanofibers. Chemical Engineering Journal, 2010, 162, 430-435.	6.6	41
194	Multi-scale mechanical and fracture characteristics and early-age strain capacity of high performance carbon nanotube/cement nanocomposites. Cement and Concrete Composites, 2010, 32, 110-115.	4.6	513
195	Single-walled carbon nanotubes modified by ionic liquid as antiwear additives of thermoplastics. Composites Science and Technology, 2010, 70, 2160-2167.	3.8	58
196	Single-piece solid-contact ion-selective electrodes with polymerâ€“carbon nanotube composites. Sensors and Actuators B: Chemical, 2010, 148, 166-172.	4.0	40
197	Compressive strength of carbon nanotubes grown on carbon fiber reinforced epoxy matrix multi-scale hybrid composites. Surface and Coatings Technology, 2010, 205, 350-355.	2.2	54
198	PA6/MWNT nanocomposites fabricated using electrospun nanofibers containing MWNT. Macromolecular Research, 2010, 18, 162-169.	1.0	23
199	Effect of molecular weight of polymer matrix on the dispersion of MWNTs in HDPE/MWNT and PC/MWNT composites. Macromolecular Research, 2010, 18, 512-518.	1.0	18
200	Morphology and properties of polyamide/multi-walled carbon nanotube composites. Macromolecular Research, 2010, 18, 660-667.	1.0	31
201	UV curing kinetics and properties of polyurethane acrylate/multi-walled carbon nanotube coatings. Macromolecular Research, 2010, 18, 674-679.	1.0	18
202	Inkjet printing for flexible electronics: Materials, processes and equipments. Science Bulletin, 2010, 55, 3383-3407.	1.7	249
203	Improvement of thermal conductivity of poly(dimethyl siloxane) using silica-coated multi-walled carbon nanotube. Journal of Thermal Analysis and Calorimetry, 2010, 101, 297-302.	2.0	29
204	Carbon Nanotubes Based Nafion Composite Membranes for Fuel Cell Applications. Fuel Cells, 2010, 10, 64-71.	1.5	27
205	Recent Advances in Research on Carbon Nanotubeâ€“Polymer Composites. Advanced Materials, 2010, 22, 1672-1688.	11.1	788
207	Effect of spinning conditions on the mechanical properties of polyacrylonitrile fibers modified with carbon nanotubes. Journal of Applied Polymer Science, 2010, 115, 3628-3635.	1.3	19
208	Synergy effect of hybrid fillers on the positive temperature coefficient behavior of polypropylene/ultraâ€high molecular weight polyethylene composites. Journal of Applied Polymer Science, 2010, 116, 116-124.	1.3	63

#	Article	IF	Citations
209	Preparation and characterization of thermally conductive polystyrene/carbon nanotubes composites. Journal of Applied Polymer Science, 2010, 116, NA-NA.	1.3	9
210	A Solventâ€Free Dispersion Method for the Preparation of PET/MWCNT Composites. Macromolecular Materials and Engineering, 2010, 295, 652-659.	1.7	16
211	Functionalization of Carbon Materials using the Dielsâ€Alder Reaction. Macromolecular Rapid Communications, 2010, 31, 574-579.	2.0	88
212	Polymer nanocomposites based on functionalized carbon nanotubes. Progress in Polymer Science, 2010, 35, 837-867.	11.8	1,482
213	Dual-stimuli sensitive composites based on multi-walled carbon nanotubes and poly(N,N-diethylacrylamide-co-acrylic acid) hydrogels. Reactive and Functional Polymers, 2010, 70, 294-300.	2.0	20
214	Study on dispersion and electrical property of multi-walled carbon nanotubes/low-density polyethylene nanocomposites. Materials & Design, 2010, 31, 1676-1683.	5.1	26
215	Biodegradable polymer matrix nanocomposites for tissue engineering: A review. Polymer Degradation and Stability, 2010, 95, 2126-2146.	2.7	823
216	Magnetically processed carbon nanotube/epoxy nanocomposites: Morphology, thermal, and mechanical properties. Polymer, 2010, 51, 1614-1620.	1.8	149
217	Assessing the strengths and weaknesses of various types of pre-treatments of carbon nanotubes on the properties of polymer/carbon nanotubes composites: A critical review. Polymer, 2010, 51, 975-993.	1.8	306
218	Incorporation of multiwalled carbon nanotubes to acrylic based bone cements: Effects on mechanical and thermal properties. Journal of the Mechanical Behavior of Biomedical Materials, 2010, 3, 136-145.	1.5	70
219	Turbostratic graphite nanofibres from electrospun solutions of PAN in dimethylsulphoxide. European Polymer Journal, 2010, 46, 1194-1202.	2.6	35
220	Preparation and physical/electrochemical characterization of carbon nanotubeâ€“chitosan modified pencil graphite electrode. Applied Surface Science, 2010, 257, 622-627.	3.1	30
221	Highly dispersed carbon nanotube reinforced cement based materials. Cement and Concrete Research, 2010, 40, 1052-1059.	4.6	785
222	Percolation threshold of carbon nanotubes filled unsaturated polyesters. Composites Science and Technology, 2010, 70, 633-637.	3.8	68
223	Numerical investigation of mechanisms affecting the piezoresistive properties of CNT-doped polymers using multi-scale models. Composites Science and Technology, 2010, 70, 1312-1320.	3.8	149
224	Effect of an interphase region on debonding of a CNT reinforced polymer composite. Composites Science and Technology, 2010, 70, 2207-2215.	3.8	82
225	Nanotechnology in concrete â€“ A review. Construction and Building Materials, 2010, 24, 2060-2071.	3.2	1,378
226	Reversible transformation of hydrophobicity and hydrophilicity of aligned carbon nanotube arrays and buckypapers by dry processes. Carbon, 2010, 48, 868-875.	5.4	62

#	Article	IF	Citations
227	Partially cured epoxy/SWCNT thin films for the reinforcement of vacuum-assisted resin-transfer-molded composites. Carbon, 2010, 48, 2364-2367.	5.4	27
228	Synthesis of sea urchin-like particles of carbon nanotubes directly grown on stainless steel cores and their effect on the mechanical properties of polymer composites. Carbon, 2010, 48, 2910-2916.	5.4	24
229	Prediction of the mechanical characteristics of multi-walled carbon nanotube/epoxy composites using a new form of the rule of mixtures. Carbon, 2010, 48, 3218-3228.	5.4	138
230	High performance PEEK/carbon nanotube composites compatibilized with polysulfones-II. Mechanical and electrical properties. Carbon, 2010, 48, 3500-3511.	5.4	114
231	Production of a cellular structure in carbon nanotube/natural rubber composites revealed by nanomechanical mapping. Carbon, 2010, 48, 3708-3714.	5.4	50
232	Single-walled carbon nanotube buckypaper and mesophase pitch carbon/carbon composites. Carbon, 2010, 48, 4276-4282.	5.4	32
233	Synergetic effect of carbon nanofibers and short carbon fibers on the mechanical and fracture properties of epoxy resin. Carbon, 2010, 48, 4289-4300.	5.4	82
234	Curing behavior and physical properties of epoxy nanocomposites comprising amineâ€functionalized carbon nanofillers. Polymer Composites, 2010, 31, 1449-1456.	2.3	8
235	Fracture behaviour of cracked carbon nanotubeâ€based polymer composites: Experiments and finite element simulations. Fatigue and Fracture of Engineering Materials and Structures, 2010, 33, 87-93.	1.7	22
238	Advances in nanoparticle reinforcement in structural adhesives. , 2010, , 151-182.		11
239	Carbon nanotube nanocomposites for biomedical actuators. , 2010, , 832-861.		2
240	Morphology and thermal behavior of polymer/carbon nanotube composites. , 2010, , 529-562.		2
241	Influence of carbon nanotube clustering on the electrical conductivity of polymer composite films. EXPRESS Polymer Letters, 2010, 4, 292-299.	1.1	170
242	Carbon Nanotube Reinforced Intermetallic. Advanced Composite Materials, 2010, 19, 261-267.	1.0	7
244	Effect of concentration on low-frequency noise of multiwall carbon nanotubes in high-density polyethylene matrix. Applied Physics Letters, 2010, 97, .	1.5	21
245	Influence of temperature on dielectric properties of PA-12/CNT composites. , 2010, , .		1
246	Geometrical Anisotropy in Biphase Particle Reinforced Composites. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	1.1	4
247	Molecular Dynamics Simulations of Carbon Nanotube Interactions in Water/Surfactant Systems. Journal of Engineering Materials and Technology, Transactions of the ASME, 2010, 132, .	0.8	15

#	Article	IF	Citations
248	Effect of Microstructural Parameters on the Machinability of Aligned Carbon Nanotube Composites. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2010, 132, .	1.3	9
249	The effect of intertube van der Waals interaction on the stability of pristine and functionalized carbon nanotubes under compression. Nanotechnology, 2010, 21, 125704.	1.3	8
250	Carbon nanotube reinforced metal matrix composites - a review. International Materials Reviews, 2010, 55, 41-64.	9.4	1,220
251	Stress Transfer and Fracture Mechanisms in Carbon Nanotube-Reinforced Polymer Nanocomposites. , 0, , 139-172.		0
252	Carbon Nanotubeâ˜Inorganic Hybrids. Chemical Reviews, 2010, 110, 1348-1385.	23.0	762
253	Recent Developments in Multifunctional Nanocomposites Using Carbon Nanotubes. Applied Mechanics Reviews, 2010, 63, .	4.5	148
254	Design, Development and Testing of Rubber Nanocomposites. Key Engineering Materials, 0, 425, 61-93.	0.4	4
255	Microscopic and spectroscopic studies of thermally enhanced electrospun PMMA micro- and nanofibers. Polymer Chemistry, 2010, 1, 866.	1.9	17
256	Carbon Nanofiberâ€“Reinforced Cement-Based Materials. Transportation Research Record, 2010, 2142, 114-118.	1.0	90
257	Enhancement of Mechanical Properties of Composites through Incorporation of CNT in VARTM - A Review. Journal of Reinforced Plastics and Composites, 2010, 29, 2782-2807.	1.6	49
258	Properties of a nanodielectric cryogenic resin. Applied Physics Letters, 2010, 96, .	1.5	33
259	Chemically Grafted Carbon Nanotube Surface Coverage Gradients. Langmuir, 2010, 26, 18468-18475.	1.6	13
260	Single-Wall Carbon Nanotube Latexes. ACS Applied Materials & Interfaces, 2010, 2, 649-653.	4.0	48
261	Polymer Nanocomposites for Electro-Optics: Perspectives on Processing Technologies, Material Characterization, and Future Application. Advances in Polymer Science, 2010, , 221-282.	0.4	15
262	Tensile strength of glass fibres with carbon nanotubeâ€“epoxy nanocomposite coating: Effects of CNT morphology and dispersion state. Composites Part A: Applied Science and Manufacturing, 2010, 41, 539-548.	3.8	86
263	Dispersion and functionalization of carbon nanotubes for polymer-based nanocomposites: A review. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1345-1367.	3.8	2,787
264	Sponge Behaviors of Functionalized Few-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 14868-14875.	1.5	10
265	Carbon Nanotubes for Optical Power Limiting Applications. , 2010, , 101-129.		2

#	Article	IF	Citations
266	Linear Low-Density Polyethylene/Ethylene-Octene Copolymer/Multi-Walled Carbon Nanotube Composites with Microwave Absorbing Properties. Polymer-Plastics Technology and Engineering, 2010, 49, 481-486.	1.9	15
267	Synthesis of Triaxial LiFePO₄ Nanowire with a VGCF Core Column and a Carbon Shell through the Electrospinning Method. ACS Applied Materials & Interfaces, 2010, 2, 212-218.	4.0	121
268	Tensile Strength and Youngâ€™s Modulus of Polyisoprene/Single-Wall Carbon Nanotube Composites Increased by High Pressure Cross-linking.. Macromolecules, 2010, 43, 7680-7688.	2.2	33
269	Synthetic Aliphatic Biodegradable Poly(Butylene Succinate)/MWNT Nanocomposite Foams and Their Physical Characteristics. Journal of Macromolecular Science - Physics, 2011, 50, 1171-1184.	0.4	26
270	Covalent functionalization of carbon nanotubes for ultimate interfacial adhesion to liquid crystalline polymer. Soft Matter, 2011, 7, 9505.	1.2	34
271	Mapping local microstructure and mechanical performance around carbon nanotube grafted silica fibres: Methodologies for hierarchical composites. Nanoscale, 2011, 3, 4759.	2.8	41
272	Functionalization of carbon nanotubes for polymer nanocomposites. , 2011, , 55-91.		3
273	Effect of nanotube content on mechanical properties of basalt fibre reinforced polyamide 6. Plastics, Rubber and Composites, 2011, 40, 289-293.	0.9	18
274	Transport and noise spectroscopy of MWCNT/HDPE composites with different nanotube concentrations. Journal of Applied Physics, 2011, 110, 113716.	1.1	26
275	Effect of Dispersed Multi-Walled Carbon Nanotubes on Mixed Matrix Membrane for O₂/N₂Separation. Separation Science and Technology, 2011, 46, 1250-1261.	1.3	28
276	Fluorination deposition on carbon nanofibers by PTFE decomposition as a facile method to enhance dispersion and interaction in PVDF composites. Journal of Materials Chemistry, 2011, 21, 944-950.	6.7	12
277	A Study on Effect of Waviness on Mechanical Properties of Multi-Walled Carbon Nanotube/Epoxy Composites Using Modified Halpinâ€“Tsai Theory. Journal of Macromolecular Science - Physics, 2011, 50, 2464-2480.	0.4	25
278	Synergistic effect of hybrid carbon nantubeâ€“graphene oxide as a nanofiller in enhancing the mechanical properties of PVA composites. Journal of Materials Chemistry, 2011, 21, 10844.	6.7	191
279	Carbon Nanotubes and Carbon Nanofibers for Enhancing the Mechanical Properties of Nanocomposite Cementitious Materials. Journal of Materials in Civil Engineering, 2011, 23, 1028-1035.	1.3	266
280	Modeling of interface thermal conductance in longitudinally connected carbon nanotube junctions. Journal of Applied Physics, 2011, 109, .	1.1	24
281	Structureâ€“Property Relationships of Nanocomposites Based on Polypropylene and Layered Double Hydroxides. Macromolecules, 2011, 44, 4342-4354.	2.2	87
282	Application of Epoxy/Carbon Nanotube Composites as Microwave Absorber at Frequencies up to 25ÂGHz. Lecture Notes in Electrical Engineering, 2011, , 455-459.	0.3	2
283	Effect of compressive strain on electric resistance of multi-wall carbon nanotube networks. Journal of Experimental Nanoscience, 2011, 6, 294-304.	1.3	10

#	Article	IF	Citations
284	Adhesives with Nanoparticles. , 2011, , 1437-1460.		8
285	Carbon nanotubeâ€“cement composites: A retrospect. IES Journal Part A: Civil and Structural Engineering, 2011, 4, 254-265.	0.4	96
287	Review of the mechanical properties of carbon nanofiber/polymer composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 2126-2142.	3.8	383
288	Physics and applications of aligned carbon nanotubes. Advances in Physics, 2011, 60, 553-678.	35.9	128
289	High stretchable MWNTs/polyurethane conductive nanocomposites. Journal of Materials Chemistry, 2011, 21, 7274.	6.7	143
290	Dielectric properties at microwave frequencies of poly(É›-caprolactone)/CNF films and electrospun mats. Synthetic Metals, 2011, 161, 911-918.	2.1	5
291	Modeling and Simulation of Polymeric Nanocomposite Processing. Advanced Structured Materials, 2011, , 119-134.	0.3	0
292	Edge-functionalized graphene-like platelets as a co-curing agent and a nanoscale additive to epoxy resin. Journal of Materials Chemistry, 2011, 21, 7337.	6.7	84
293	Manufacturing and characterization of carbon fibre/epoxy composite prepregs containing carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1412-1420.	3.8	92
294	MWCNT Used in Orthopaedic Bone Cements. , 0, , .		3
295	Processing Carbon Nanotubes. , 0, , .		2
296	Polymer/Carbon Nanotube Nanocomposites. , 0, , .		59
297	Shape Memory Polymer Nanocomposites. , 2011, , 147-184.		0
298	The production of a multi-walled carbon nanotube/hexamethylene diisocyanate nanocomposite coating on copper by electrophoretic deposition. Surface and Coatings Technology, 2011, 206, 1319-1326.	2.2	29
299	Mechanical, thermal and tribological characterization of a UHMWPE film reinforced with carbon nanotubes coated on steel. Tribology International, 2011, 44, 1932-1941.	3.0	89
300	Recent advances of inorganic fillers in mixed matrix membrane for gas separation. Separation and Purification Technology, 2011, 81, 243-264.	3.9	543
301	Large strain and toughness enhancement of poly(dimethyl siloxane) composite films filled with electrospun polyacrylonitrile-graft-poly(dimethyl siloxane) fibres and multi-walled carbon nanotubes. Polymer, 2011, 52, 4061-4072.	1.8	23
302	Modeling and characterization of the electrical conductivity of carbon nanotube-based polymer composites. Polymer, 2011, 52, 3852-3856.	1.8	193

#	Article	IF	Citations
303	Annealing treatment and carbon nanotubes concentration effects on the optical and vibrational properties of single walled carbon nanotubes functionalized with short oligo-N-vinyl carbazole. Materials Chemistry and Physics, 2011, 126, 417-423.	2.0	10
304	Thermal conductive and electrical properties of polyurethane/hyperbranched poly(urea-urethane)-grafted multi-walled carbon nanotube composites. Composites Part B: Engineering, 2011, 42, 2111-2116.	5.9	106
305	Correlation between electrokinetic potential, dispersibility, surface chemistry and energy of carbon nanotubes. Composites Science and Technology, 2011, 71, 1644-1651.	3.8	45
306	Electrical and dielectric properties of polypropylene nanocomposites based on carbon nanotubes and barium titanate nanoparticles. Composites Science and Technology, 2011, 71, 1706-1712.	3.8	75
307	Preparation of porous aluminaâ€“carbon nanotube composites via direct growth of carbon nanotubes. Composites Science and Technology, 2011, 71, 1739-1745.	3.8	11
308	Percolation behaviour of multiwalled carbon nanotubes of altered length and primary agglomerate morphology in melt mixed isotactic polypropylene-based composites. Composites Science and Technology, 2011, 71, 1936-1943.	3.8	83
309	Crack growth characteristics of carbon nanotube-based polymer composites subjected to cyclic loading. Engineering Fracture Mechanics, 2011, 78, 3102-3110.	2.0	17
310	Comparing carbon nanotubes and graphene nanoplatelets as reinforcements in polyamide 12 composites. Nanotechnology, 2011, 22, 275714.	1.3	122
311	Nanotube and Graphene Polymer Composites for Photonics and Optoelectronics. , 2011, , 279-354.		7
312	Polymeric composite systems modified with allotropic forms of carbon (review). Russian Journal of Applied Chemistry, 2011, 84, 735-750.	0.1	17
313	Properties of cellulose solutions in methylmorpholine N-oxide containing montmorillonite nanoparticles and of composite films thereof. Russian Journal of Applied Chemistry, 2011, 84, 1261-1265.	0.1	5
314	Properties of carboxymethyl cellulose aqueous solutions with nanoparticle additives and the related composite films. Polymer Science - Series A, 2011, 53, 1167-1174.	0.4	9
315	Mechanical and thermal properties of nanocomposite films based on an aromatic polyimide and carbon nanocones. Physics of the Solid State, 2011, 53, 1509-1515.	0.2	11
316	Poly(adipic acid-hexamethylene diamine)-functionalized multi-walled carbon nanotube nanocomposites. Journal of Materials Science, 2011, 46, 923-930.	1.7	22
317	Nylon toughened epoxy/SWCNT composites. Journal of Materials Science, 2011, 46, 207-214.	1.7	24
318	Quantifying the dispersion of carbon nanotubes in thermoplastic-toughened epoxy polymers. Journal of Materials Science, 2011, 46, 3108-3118.	1.7	8
319	Compressive stress-electrical conductivity characteristics of multiwall carbon nanotube networks. Journal of Materials Science, 2011, 46, 3186-3190.	1.7	41
320	Manufacturing and physico-mechanical characterization of carbon nanohorns/polyacrylonitrile nanocomposites. Journal of Materials Science, 2011, 46, 5680-5689.	1.7	15

#	Article	IF	Citations
321	The effect of carbon nanotubes on the fracture toughness and fatigue performance of a thermosetting epoxy polymer. Journal of Materials Science, 2011, 46, 7525.	1.7	217
322	Effect of dispersion conditions on the mechanical properties of multi-walled carbon nanotubes based epoxy resin composites. Journal of Polymer Research, 2011, 18, 1397-1407.	1.2	104
323	Chemical modification of waste oil fly ash for improved mechanical and thermal properties of low density polyethylene composites. Journal of Polymer Research, 2011, 18, 2275-2284.	1.2	27
324	Synthesis and characterization of a hybrid material from self-assembling colloidal particles and carbon nanotubes. Colloid and Polymer Science, 2011, 289, 387-394.	1.0	9
325	Mechanical performance of styrene-butadiene-rubber filled with carbon nanoparticles prepared by mechanical mixing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 7161-7172.	2.6	36
326	Improving the flexural and thermomechanical properties of amino-functionalized carbon nanotube/epoxy composites by using a pre-curing treatment. Composites Science and Technology, 2011, 71, 765-771.	3.8	69
327	The experimental exploration of carbon nanofiber and carbon nanotube additives on thermal behavior of phase change materials. Solar Energy Materials and Solar Cells, 2011, 95, 1208-1212.	3.0	338
328	Nitrophenyl functionalization of carbon nanotubes and its effect on properties of MWCNT/LCP composites. Macromolecular Research, 2011, 19, 660-667.	1.0	13
329	Mechanical and thermal properties of attapulgite clay reinforced polymethylmethacrylate nanocomposites. Polymers for Advanced Technologies, 2011, 22, 1912-1918.	1.6	32
330	Strengthening of liquid crystalline polymer by functionalized carbon nanotubes through interfacial interaction and homogeneous dispersion. Polymers for Advanced Technologies, 2011, 22, 1452-1458.	1.6	12
331	Dielectric property and electromagnetic interference shielding effectiveness of ethylene vinyl acetateâ€based conductive composites: Effect of different type of carbon fillers. Polymer Composites, 2011, 32, 1148-1154.	2.3	89
332	Poly[ethyleneâ€coâ€(acrylic acid)]â€based nanocomposites: Thermal and mechanical properties and their structural characteristics studied by Raman spectroscopy. Polymer Composites, 2011, 32, 1181-1189.	2.3	7
333	Physical properties of epoxy resin/titanium dioxide nanocomposites. Polymer Engineering and Science, 2011, 51, 87-93.	1.5	51
334	Producing continuous twisted yarn from wellâ€aligned nanofibers by water vortex. Polymer Engineering and Science, 2011, 51, 323-329.	1.5	77
335	Poly(ethylene terephthalate)/carbon nanotube composites prepared with chemically treated carbon nanotubes. Polymer Engineering and Science, 2011, 51, 1286-1300.	1.5	39
336	Electrical conductivity and fracture behavior of epoxy/polyamideâ€12/multiwalled carbon nanotube composites. Polymer Engineering and Science, 2011, 51, 2245-2253.	1.5	45
337	Polypropylene nanocomposites with various functionalizedâ€multiwalled nanotubes: thermomechanical properties, morphology, gas permeation, and optical transparency. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 244-254.	2.4	8
338	Effects of processing conditions on rheological, thermal, and electrical properties of multiwall carbon nanotube/epoxy resin composites. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 431-442.	2.4	41

#	Article	IF	Citations
339	Effect of particle agglomeration and interphase on the glass transition temperature of polymer nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 740-748.	2.4	113
340	Block Copolymer Nanocomposites Based on Multiwall Carbon Nanotubes: Effect of the Functionalization of Multiwall Carbon Nanotubes on the Morphology of the Block Copolymer. Advanced Engineering Materials, 2011, 13, 803-810.	1.6	23
341	Carbon Fiberâ€“Bismaleimide Composites Filled with Nickelâ€Coated Singleâ€Walled Carbon Nanotubes for Lightningâ€Strike Protection. Advanced Functional Materials, 2011, 21, 2527-2533.	7.8	83
342	Enhanced Structural Stability and Performance Durability of Bulk Heterojunction Photovoltaic Devices Incorporating Metallic Nanoparticles. Advanced Functional Materials, 2011, 21, 3573-3582.	7.8	105
343	Effect of carbon nanotube purification on the electrical and mechanical properties of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Science, 2011, 119, 3360-3371.	1.3	21
344	Dispersion of SiC coated MWCNTs in PEI/silicone rubber blend and its effect on the thermal and mechanical properties. Journal of Applied Polymer Science, 2011, 119, 3574-3581.	1.3	19
345	Supramolecular bionanocomposites, part 2: Effects of carbon nanoparticle surface functionality on polylactide crystallization. Journal of Applied Polymer Science, 2011, 121, 2029-2038.	1.3	16
346	Interfacial interaction of polyvinylidene fluoride/multiwalled carbon nanotubes nanocomposites: A rheological study. Journal of Applied Polymer Science, 2011, 121, 3041-3046.	1.3	17
347	Waterâ€based amorphous carbon nanotubes filled polymer nanocomposites. Journal of Applied Polymer Science, 2011, 122, 1986-1992.	1.3	7
348	Supramolecular bionanocomposites 3: Effects of surface functionality on electrical and mechanical percolation. Journal of Applied Polymer Science, 2011, 122, 2563-2572.	1.3	12
349	Improving thermal conductivity while retaining high electrical resistivity of epoxy composites by incorporating silica-coated multi-walled carbon nanotubes. Carbon, 2011, 49, 495-500.	5.4	262
350	Effect of MWCNT addition on the thermal and rheological properties of polymethyl methacrylate bone cement. Carbon, 2011, 49, 2893-2904.	5.4	44
351	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
352	A quantitative method for analyzing the dispersion and agglomeration of nano-particles in composite materials. Composites Part B: Engineering, 2011, 42, 1395-1403.	5.9	75
353	Influence of carbon nanotubeâ€“polymeric compatibilizer masterbatches on morphological, thermal, mechanical, and tribological properties of polyethylene. Composites Science and Technology, 2011, 71, 1353-1360.	3.8	65
354	Structure and properties of highly oriented polyoxymethylene/multi-walled carbon nanotube composites produced by hot stretching. Composites Science and Technology, 2011, 71, 1367-1372.	3.8	32
355	Abrasive wear under multiscratching of polystyrene+single-walled carbon nanotube nanocomposites. Effect of sliding direction and modification by ionic liquid. Applied Surface Science, 2011, 257, 9073-9081.	3.1	25
356	Analysis of the interaction of vinyl and carbonyl silanes with carbon nanofiber surfaces. Carbon, 2011, 49, 1635-1645.	5.4	21

#	Article	IF	Citations
357	Effect of functionalization on the thermo-mechanical and electrical behavior of multi-wall carbon nanotube/epoxy composites. Carbon, 2011, 49, 1919-1930.	5.4	230
358	Influence of carbon nanotubes on the thermal, electrical and mechanical properties of poly(ether) Tj ETQq1 1 0.784314 rgBT /Overloc	5.4	130
359	Electrical and electromagnetic interference shielding properties of flow-induced oriented carbon nanotubes in polycarbonate. Carbon, 2011, 49, 3430-3440.	5.4	347
360	Thermal and mechanical properties of a nanocomposite of a photocurable epoxy-acrylate resin and multiwalled carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4318-4324.	2.6	48
361	Deagglomeration and surface modification of thermally annealed nanoscale diamond. Journal of Colloid and Interface Science, 2011, 354, 23-30.	5.0	91
362	A review on the mechanical and electrical properties of graphite and modified graphite reinforced polymer composites. Progress in Polymer Science, 2011, 36, 638-670.	11.8	1,055
363	Thermal conductivity of carbon nanotubes and their polymer nanocomposites: A review. Progress in Polymer Science, 2011, 36, 914-944.	11.8	2,089
364	Poly(3-hydroxybutyrate)-functionalised multi-walled carbon nanotubes/chitosan green nanocomposite membranes and their application in pervaporation. Separation and Purification Technology, 2011, 76, 419-427.	3.9	78
365	Graphene-based polymer nanocomposites. Polymer, 2011, 52, 5-25.	1.8	2,746
366	Molecular dynamics simulations of the interactions and dispersion of carbon nanotubes in polyethylene oxide/water systems. Polymer, 2011, 52, 288-296.	1.8	30
367	Thermal and electrical conduction behavior of alumina and multiwalled carbon nanotube incorporated poly(dimethyl siloxane). Thermochimica Acta, 2011, 512, 34-39.	1.2	27
369	Dynamic mechanical behavior of magnetorheological nanocomposites filled with carbon nanotubes. Applied Physics Letters, 2011, 99, .	1.5	52
370	Multi-Walled Carbon Nanotubes Polymer Composites by Electrophoretic Deposition. , 2011, , .		2
372	4-Substituted Benzoic Acids Functionalized Multi-Walled Carbon Nanotubes in Mild Polyphosphoric Acid/Phosphorous Pentoxide. Advanced Materials Research, 2011, 217-218, 768-773.	0.3	3
373	Poly(vinylidene Fluoride)/Microcrystalline Cellulose Nanocomposites with Enhanced Compatibility and Properties. Key Engineering Materials, 0, 471-472, 355-360.	0.4	6
374	Natural rubber/carbon black/carbon nanotubes composites prepared through ultrasonic assisted latex mixing process. Plastics, Rubber and Composites, 2011, 40, 32-39.	0.9	46
376	Electromechanical properties of carbon nanotube networks under compression. Measurement Science and Technology, 2011, 22, 124006.	1.4	8
378	High-shear melt processing of polymerâ€“carbon nanotube composites. , 2011, , 133-154.		3

#	Article	IF	Citations
380	Surface Modification and Characterization of Multi-Walled Carbon Nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 497-504.	1.0	17
381	Oxidation and silanization of MWCNTs for MWCNT/vinyl ester composites. EXPRESS Polymer Letters, 2011, 5, 766-776.	1.1	42
382	Preparation and properties of LDPE/POE/MWCNTs composites obtained by melt compounding. Plastics, Rubber and Composites, 2011, 40, 223-228.	0.9	5
383	Effect of Moderate Magnetic Annealing on the Microstructure, Quasi-Static, and Viscoelastic Mechanical Behavior of a Structural Epoxy. Journal of Engineering Materials and Technology, Transactions of the ASME, 2012, 134, .	0.8	1
384	Aligned MWCNT-Reinforced Bulk Epoxy-Matrix Composites by Dielectrophoretic Force. Advanced Materials Research, 0, 538-541, 2224-2231.	0.3	6
385	Effects of Surface Modification of MWCNT on the Mechanical and Electrical Properties of Fluoro Elastomer/MWCNT Nanocomposites. Journal of Nanomaterials, 2012, 2012, 1-9.	1.5	4
386	Incorporation of liquid-like multiwalled carbon nanotubes into an epoxy matrix by solvent-free processing. Nanotechnology, 2012, 23, 225701.	1.3	22
387	Current Advances in the Carbon Nanotube/Thermotropic Main-Chain Liquid Crystalline Polymer Nanocomposites and Their Blends. Polymers, 2012, 4, 889-912.	2.0	54
388	An Electrically Conductive and Organic Solvent Vapors Detecting Composite Composed of an Entangled Network of Carbon Nanotubes Embedded in Polystyrene. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	6
389	Thermo-mechanical characterization of epoxy nanocomposites with different carbon nanotube distributions obtained by solvent aided and direct mixing. EXPRESS Polymer Letters, 2012, 6, 520-531.	1.1	39
390	Electrical and mechanical properties of phenoxy/multiwalled carbon nanotubes multifilament yarn processed by melt spinning. Textile Reseach Journal, 2012, 82, 2106-2115.	1.1	11
391	Processing of polymer nanocomposites. , 2012, , 95-119.		9
392	Fabrication, Morphologies and Mechanical Properties of Carbon Nanotube Based Polymer Nanocomposites. , 2012, , 225-250.		1
393	Effects of carbon nanofillers on enhancement of polymer composites. Journal of Applied Physics, 2012, 112, 074302.	1.1	1
394	Measuring of Electrical Properties of MWNT-Reinforced PAN Nanocomposites. Journal of Nanomaterials, 2012, 2012, 1-7.	1.5	25
395	Rheological Behaviors of Poly(Vinylidene Fluoride)/â€œBud-Branchedâ€•Nanotubes Nanocomposites. Journal of Macromolecular Science - Physics, 2012, 51, 1498-1508.	0.4	3
396	Processing of nanotube-based nanocomposites. , 2012, , 3-32.		0
397	Electrospun Polystyrene-Multiwalled Carbon Nanotubes: Imaging, Thermal and Spectroscopic Characterization. Designed Monomers and Polymers, 2012, 15, 197-205.	0.7	18

#	Article	IF	Citations
398	Enhancing interlaminar fracture characteristics of woven CFRP prepreg composites through CNT dispersion. Journal of Composite Materials, 2012, 46, 665-675.	1.2	115
399	Silica-Polymer Core-Shell Particles for Fabrication of Poly(methyl methacrylate) Composite Materials. Advanced Materials Research, 2012, 531, 153-156.	0.3	0
400	Evaluation of Antithrombogenicity and Hydrophilicity on Zein-SWCNT Electrospun Fibrous Nanocomposite Scaffolds. International Journal of Biomaterials, 2012, 2012, 1-10.	1.1	27
401	Structure, Injection Molding Process and Fracture Behavior of Composite Plastics. International Polymer Processing, 2012, 27, 60-76.	0.3	1
402	Scratch resistance of modified polymethylmethacrylate nanocomposites. , 2012, , 1-21.		0
403	Modification of the electrical parameters of CNT-doped deformed-helix ferro-electric liquid crystals. Journal of Information Display, 2012, 13, 145-149.	2.1	2
404	Functionalization of Carbon Nanotubes with Ionic Liquids. , 2012, , 399-434.		2
405	Scalable continuous growth of carbon nanotubes on moving fiber substrates. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1914-1920.	3.8	6
406	Oriented Single-Walled Carbon Nanotubesâ€“Poly(ethylene oxide) Nanocomposites. Macromolecules, 2012, 45, 9357-9363.	2.2	19
407	Combined effects of nanotube aspect ratio and shear rate on the carbon nanotube/polymer composites. Polymer, 2012, 53, 4493-4500.	1.8	45
408	New strategies for the chemical characterization of multi-walled carbon nanotubes and their derivatives. Mikrochimica Acta, 2012, 179, 41-48.	2.5	18
409	Multiwalled Carbon Nanotubes/Hydroxyapatite Nanoparticles Incorporated GTR Membranes. , 2012, , 151-170.		0
410	Processing and characterization of TLCP fibers reinforced by 1Âwt% MWCNT. Journal of Materials Science, 2012, 47, 8094-8102.	1.7	9
411	Dispersion of carbon nanotubes and its influence on the mechanical properties of the cement matrix. Cement and Concrete Composites, 2012, 34, 1104-1113.	4.6	360
412	The functionalization of carbon nanotubes using a batch oscillatory flow reactor. Chemical Engineering Science, 2012, 84, 544-551.	1.9	5
413	Synthesis and structural reactivity of inorganicâ€“organic hybrid nanocomposites â€“ A review. Journal of Saudi Chemical Society, 2012, 16, 339-352.	2.4	39
414	Structures, electrical, and dielectric properties of PVDF-based nanocomposite films reinforced with neat multi-walled carbon nanotube. Macromolecular Research, 2012, 20, 920-927.	1.0	47
415	Simultaneous dispersion and alignment of carbon nanotubes in epoxy resin through chronoamperometry. Carbon, 2012, 50, 5489-5497.	5.4	13

#	Article	IF	Citations
416	Conductivity enhancement of nanocomposited MEH-PPV:I-MWNT thin film. , 2012, , .		0
417	Electrical transport properties of single wall carbon nanotube/polyurethane composite based field effect transistors fabricated by UV-assisted direct-writing technology. Nanotechnology, 2012, 23, 115705.	1.3	18
418	Static light scattering of triaxial nanoparticle suspensions in the Rayleigh-Gans-Debye regime: application to cellulose nanocrystals. RSC Advances, 2012, 2, 1096-1105.	1.7	12
419	Multiscale Modeling Electrospun Nanofiber Structures. Materials Science Forum, 0, 714, 33-40.	0.3	2
420	Incorporating Strong Polarity Minerals of Tourmaline with Carbon Nanotubes to Improve the Electrical and Electromagnetic Interference Shielding Properties. Journal of Physical Chemistry C, 2012, 116, 12814-12818.	1.5	37
421	Effect of functionalization on the interfacial binding energy of carbon nanotube/nylon 6 nanocomposites: a molecular dynamics study. RSC Advances, 2012, 2, 2836.	1.7	29
422	Dynamics and Deformation Response of Rod-Containing Nanocomposites. Macromolecules, 2012, 45, 543-554.	2.2	42
423	Positron Annihilation Spectroscopy of Polystyrene Filled with Carbon Nanomaterials. Macromolecules, 2012, 45, 933-940.	2.2	20
424	Bionanocomposites: Green sustainable materials for the near future. Pure and Applied Chemistry, 2012, 84, 2579-2607.	0.9	118
425	One-pot preparation and continuous spinning of carbon nanotube/poly(p-phenylene benzobisoxazole) copolymer fibers. Journal of Materials Chemistry, 2012, 22, 19863.	6.7	49
426	Alignments of Carbon Nanotubes in Polymer Matrix: A Raman Perspective. International Journal of Polymer Analysis and Characterization, 2012, 17, 534-539.	0.9	8
427	Technologies to Achieve Carbon Nanotube Alignment. Nanoscience and Technology, 2012, , 111-156.	1.5	1
428	Properties and Applications of Aligned Carbon Nanotube Arrays. Nanoscience and Technology, 2012, , 183-253.	1.5	0
429	Dielectric investigations of pure and carbon nanotube-doped deformed helix ferroelectric liquid crystals. Liquid Crystals, 2012, 39, 1169-1174.	0.9	18
430	Multi-walled carbon nanotube-reinforced silicon carbide fibers prepared by polymer-derived ceramic route. Composites Part A: Applied Science and Manufacturing, 2012, 43, 317-324.	3.8	21
431	Molecular dynamics simulations of carbon nanotube dispersions in water: Effects of nanotube length, diameter, chirality and surfactant structures. Computational Materials Science, 2012, 53, 133-144.	1.4	56
432	Functionalized Carbon Nanotubes and Their Enhanced Polymers. , 2012, , 439-478.		5
433	Self-alignment and high electrical conductivity of ultralarge graphene oxideâ€“polyurethane nanocomposites. Journal of Materials Chemistry, 2012, 22, 12709.	6.7	269

#	Article	IF	Citations
434	Thermal and Mechanical Properties of Epoxy/Carbon Fiber Composites Reinforced with Multi-walled Carbon Nanotubes. Journal of Macromolecular Science - Physics, 2012, 51, 358-367.	0.4	29
435	Flexible and high thermal conductivity thin films based on polymer: Aminated multi-walled carbon nanotubes/micro-aluminum nitride hybrid composites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1860-1868.	3.8	53
436	Electrical resistance-based strain sensing in carbon nanotube/polymer composites under tension: Analytical modeling and experiments. Composites Science and Technology, 2012, 72, 1678-1682.	3.8	92
437	Review on the effects of injection moulding parameters on the electrical resistivity of carbon nanotube filled polymer parts. Composites Science and Technology, 2012, 72, 1741-1752.	3.8	85
438	Effects of carbon nanotube functionalization and annealing on crystallization and mechanical properties of melt-spun carbon nanotubes/poly(ethylene terephthalate) fibers. Composites Science and Technology, 2012, 72, 1834-1840.	3.8	36
439	Effect of surfactant treatment on thermal stability and mechanical properties of CNT/polybenzoxazine nanocomposites. Composites Science and Technology, 2012, 72, 1968-1976.	3.8	74
440	Influence of swift heavy ion beams and protons on the dielectric strength ofÂpolyimide. Polymer Degradation and Stability, 2012, 97, 2396-2402.	2.7	11
441	Dispersion of polymer-decorated hydroxyapatite nanoparticles in poly(ethylene oxide) at low grafting densities. Polymer, 2012, 53, 5146-5154.	1.8	7
443	Electrophoretic Deposition of Carbon Nanotubes (CNTs) and CNT/Nanoparticle Composites. Nanostructure Science and Technology, 2012, , 157-179.	0.1	7
445	Synthesis of short multi-walled carbon nanotubes by molecular self-assembly. New Carbon Materials, 2012, 27, 416-420.	2.9	8
446	Universal Curves for the van der Waals Interaction between Single-Walled Carbon Nanotubes. Langmuir, 2012, 28, 1276-1282.	1.6	22
447	A Survey on Dispersion Mechanisms of Multi-Walled Carbon Nanotubes in an Aqueous Media by UV-Vis, Raman Spectroscopy, TGA, and FTIR. Journal of Dispersion Science and Technology, 2012, 33, 955-959.	1.3	4
448	Potential Applications of Carbon Nanotube Arrays. Nanoscience and Technology, 2012, , 255-290.	1.5	0
449	The Separation Power of Nanotubes in Membranes: A Review. ISRN Nanotechnology, 2012, 2012, 1-17.	1.3	29
450	Functionalized carbon nanotube/polyacrylonitrile composite nanofibers: fabrication and properties. Polymers for Advanced Technologies, 2012, 23, 262-271.	1.6	24
451	Carbon nanocones/discs â€“ a new type of filler to improve the thermal and mechanical properties of polymer films. Polymers for Advanced Technologies, 2012, 23, 408-413.	1.6	13
452	Thermal properties of poly(dimethyl siloxane) nanocomposite filled with silicon carbide and multiwall carbon nanotubes. Polymer International, 2012, 61, 639-645.	1.6	20
453	Superior reinforcement in polyamide 1010/multiwalled carbon nanotube composites realized by highâ€rate drawing and incorporation of compatibilizer. Polymer International, 2012, 61, 1400-1410.	1.6	4

#	Article	IF	Citations
454	Influence of multiwall carbon nanotubes on morphological and structural changes during UV irradiation of syndiotactic polypropylene films. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 963-975.	2.4	20
455	Carbon Nanofibers Prepared via Electrospinning. Advanced Materials, 2012, 24, 2547-2566.	11.1	686
456	Electrospun nanocomposite polyacrylonitrile fibers containing carbon nanotubes and cobalt ferrite. Polymer Composites, 2012, 33, 317-323.	2.3	23
457	Using supercritical carbon dioxide in preparing carbon nanotube nanocomposite: Improved dispersion and mechanical properties. Polymer Composites, 2012, 33, 1033-1043.	2.3	18
458	Doubleâ€wall carbon nanotubeâ€reinforced polyester nanocomposites: Improved dispersion and mechanical properties. Polymer Composites, 2012, 33, 866-871.	2.3	8
459	The role of filler network in nonlinear viscoelastic behavior of vapor grown carbon nanofiber filled polystyrene: A strain dependent rheological behavior and electrical conductivity study. Polymer Engineering and Science, 2012, 52, 643-648.	1.5	5
460	Electrospinning versus fibre production methods: from specifics to technological convergence. Chemical Society Reviews, 2012, 41, 4708.	18.7	548
461	Melt viscoelasticity, electrical conductivity, and crystallization of PVDF/MWCNT composites: Effect of the dispersion of MWCNTs. Journal of Applied Polymer Science, 2012, 125, E49.	1.3	37
462	The preparation, structures, and properties of poly(vinylidene fluoride)/multiwall carbon nanotubes nanocomposites. Journal of Applied Polymer Science, 2012, 125, E592.	1.3	19
463	Alignment and properties of carbon nanotube buckypaper/liquid crystalline polymer composites. Journal of Applied Polymer Science, 2013, 128, 1360-1368.	1.3	6
464	Poly(butyl terephthalate)/oxytetramethylene + oxidized carbon nanotubes hybrids: Mechanical and tribological behavior. Journal of Materials Research, 2012, 27, 1815-1823.	1.2	18
465	Easy one-pot method to control the morphology of polyethylene/carbon nanotube nanocomposites using metallocene catalysts. Journal of Polymer Research, 2012, 19, 1.	1.2	20
466	Effect of the epoxy/amine stoichiometry on the properties of carbon nanotube/epoxy composites. Journal of Thermal Analysis and Calorimetry, 2012, 108, 717-723.	2.0	29
467	Analysis of the vibrational behavior of the composite cylinders reinforced with non-uniform distributed carbon nanotubes using micro-mechanical approach. Meccanica, 2012, 47, 817-833.	1.2	11
468	Preparation and properties of polypropylene nanocomposites reinforced with exfoliated graphene. Fibers and Polymers, 2012, 13, 507-514.	1.1	79
469	Fabrication and thermal conductivity of copper matrix composites reinforced by tungsten-coated carbon nanotubes. International Journal of Minerals, Metallurgy and Materials, 2012, 19, 446-452.	2.4	31
470	Surface modifications for the effective dispersion of carbon nanotubes in solvents and polymers. Carbon, 2012, 50, 3-33.	5.4	608
471	The electrical conductivity and electromagnetic interference shielding of injection molded multi-walled carbon nanotube/polystyrene composites. Carbon, 2012, 50, 1455-1464.	5.4	275

#	Article	IF	Citations
472	In situ synthesis of metal oxides in carbon nanotube arrays and mechanical properties of the resulting structures. Carbon, 2012, 50, 4432-4440.	5.4	11
473	A comparison of melt and solution mixing on the dispersion of carbon nanotubes in a poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Ove	5.9	76
474	Electrospun aligned PLLA/PCL/functionalised multiwalled carbon nanotube composite fibrous membranes and their bio/mechanical properties. Composites Science and Technology, 2012, 72, 248-255.	3.8	61
475	Improvements in mechanical and thermo-mechanical properties of e-glass/epoxy composites using amino functionalized MWCNTs. Composite Structures, 2012, 94, 2397-2406.	3.1	161
476	The development of conductive carbon nanotube network in polypropylene-based composites during simultaneous biaxial stretching. European Polymer Journal, 2012, 48, 930-939.	2.6	37
477	Prescribed morphology and interface correlation of MWNTs-EP/PSF hybrid nanofibers reinforced and toughened epoxy matrix. Materials Chemistry and Physics, 2012, 134, 958-965.	2.0	15
478	Semi-crystalline polymer/carbon nanotube nanocomposites: Effect of nanotube surface-functionalization and polymer coating on electrical and thermal properties. Reactive and Functional Polymers, 2012, 72, 383-392.	2.0	15
479	A temperature sensor based on a MWCNT/SEBS nanocomposite. Sensors and Actuators A: Physical, 2012, 178, 94-99.	2.0	101
480	Elaboration of SWNTs-based gas sensors using dispersion techniques: Evaluating the role of the surfactant and its influence on the sensor response. Sensors and Actuators B: Chemical, 2012, 162, 95-101.	4.0	15
481	Arrangement of layered double hydroxide in a polyethylene matrix studied by a combination of complementary methods. Polymer, 2012, 53, 2245-2254.	1.8	38
482	Crystallization kinetics and anisotropic properties of polyethylene oxide/magnetic carbon nanotubes composite films. Polymer, 2012, 53, 2402-2411.	1.8	36
483	Modifications of carbon for polymer composites and nanocomposites. Progress in Polymer Science, 2012, 37, 781-819.	11.8	256
484	Carbon nanotube-polytetrafluoroethylene nanocomposite coating for milk fouling reduction in plate heat exchanger. Journal of Food Engineering, 2012, 111, 218-224.	2.7	27
485	Effect of oxyfluorination on electromagnetic interference shielding of polypyrrole-coated multi-walled carbon nanotubes. Journal of Industrial and Engineering Chemistry, 2012, 18, 392-398.	2.9	58
486	Quantifying Nanoparticle Dispersion by Using The Area Disorder of Delaunay Triangulation. Journal of the Royal Statistical Society Series C: Applied Statistics, 2012, 61, 253-275.	0.5	16
487	Amyloid fibrils as functionalizable components of nanocomposite materials. Biotechnology Progress, 2012, 28, 248-256.	1.3	30
488	Comparative study on electrical properties of orientated carbon nanotubes/epoxy composites. Journal of Applied Polymer Science, 2012, 124, 647-653.	1.3	8
489	Improvement in properties of multiwalled carbon nanotube/polypropylene nanocomposites through homogeneous dispersion with the aid of surfactants. Journal of Applied Polymer Science, 2012, 124, 1117-1127.	1.3	43

#	Article	IF	Citations
490	Effect of processing techniques on the performance of Epoxy/MWCNT nanocomposites. Journal of Applied Polymer Science, 2013, 127, 4211-4224.	1.3	37
491	Effect of noncovalent chemical modification on the electrical conductivity and tensile properties of poly(methyl methacrylate)/carbon nanotube composites. Journal of Applied Polymer Science, 2013, 127, 4557-4563.	1.3	16
492	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
493	O2 plasma-functionalized SWCNTs and PEDOT/PSS composite film assembled by dielectrophoresis for ultrasensitive trimethylamine gas sensor. Analyst, The, 2013, 138, 5265.	1.7	22
494	Robocasting nanocomposite scaffolds of poly(caprolactone)/hydroxyapatite incorporating modified carbon nanotubes for hard tissue reconstruction. Journal of Biomedical Materials Research - Part A, 2013, 101A, 1670-1681.	2.1	62
495	Polyol-assisted functionalization of carbon nanotubesâ€"a perspective. Journal of Materials Chemistry A, 2013, 1, 8509.	5.2	16
496	A composite index to quantify dispersion of carbon nanotubes in polymer-based composite materials. Composites Part B: Engineering, 2013, 55, 16-21.	5.9	45
497	Comparison of chemical vapor deposition and chemical grafting for improving the mechanical properties of carbon fiber/epoxy composites with multi-wall carbon nanotubes. Journal of Materials Science, 2013, 48, 4834-4842.	1.7	64
498	Utilization of chitosan biopolymer to enhance fly ash-based geopolymer. Journal of Materials Science, 2013, 48, 7986-7993.	1.7	42
499	Synthesis and characterisation of silicaâ€"carbon nanotube hybrid microparticles and their effect on the electrical properties of poly(vinyl alcohol) composites. Carbon, 2013, 60, 461-470.	5.4	34
500	Ultrastrong, Stiff and Multifunctional Carbon Nanotube Composites. Materials Research Letters, 2013, 1, 19-25.	4.1	130
501	Equivalent Electric Circuits for the Simulation of Carbon Nanotube-Epoxy Composites. IEEE Nanotechnology Magazine, 2013, 12, 696-703.	1.1	15
502	On transient layers as new phase domains in composite materials. Mechanics of Solids, 2013, 48, 92-118.	0.3	1
503	Effects of poly (allylamine hydrochloride) as a new functionalization agent for preparation of poly vinyl alcohol/multiwalled carbon nanotubes membranes. Journal of Membrane Science, 2013, 447, 315-324.	4.1	36
504	Optimizing carbon nanotube-reinforced polysulfone ultrafiltration membranes through carboxylic acid functionalization. Journal of Membrane Science, 2013, 447, 395-402.	4.1	116
505	Influence of carbon-nanotube diameters on composite dielectric properties. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2491-2498.	0.8	19
506	On the dispersion of CNTs in polyamide 6 matrix via solution methods: assessment through electrical, rheological, thermal and morphological analyses. Polymer Bulletin, 2013, 70, 2387-2398.	1.7	11
507	Carbon-nanotubeâ€"polymer nanofibers with high thermal conductivity. Carbon, 2013, 52, 605-608.	5.4	76

#	Article	IF	Citations
508	Polyaniline/Carbon Nanotube Sheet Nanocomposites: Fabrication and Characterization. ACS Applied Materials & Interfaces, 2013, 5, 8597-8606.	4.0	40
509	Experimental investigation of the damping enhancement in fiber-reinforced composites with carbon nanotubes. Carbon, 2013, 63, 71-83.	5.4	65
510	Interlaminar fracture toughness and CAI strength of fibre-reinforced composites with nanoparticles â€“ A review. Composites Science and Technology, 2013, 86, 26-37.	3.8	142
511	In situ processing of epoxy composites reinforced with graphene nanoplatelets. Composites Science and Technology, 2013, 86, 185-191.	3.8	109
512	Characterization and Micromilling of Flow Induced Aligned Carbon Nanotube Nanocomposites. Journal of Micro and Nano-Manufacturing, 2013, 1, .	0.8	12
513	Synergic effect in electrical conductivity using a combination of two fillers in PVDF hybrids composites. European Polymer Journal, 2013, 49, 3318-3327.	2.6	40
514	Charge transport and magnetic properties of coaxial composite fibrils of polypyrrole/multiwall carbon nanotubes at low temperature. Solid State Communications, 2013, 159, 93-97.	0.9	5
515	SiCâ€“CNT Composite Prepared by Electrophoretic Codeposition and the Polymer Infiltration and Pyrolysis Process. Journal of Physical Chemistry B, 2013, 117, 1680-1685.	1.2	11
516	Electrical and thermal conductivities of multiwalled carbon nanotubes-reinforced high performance polymer nanocomposites. Composites Science and Technology, 2013, 86, 177-184.	3.8	49
517	Titania/carbon nanotube composite (TiO2/CNT) and its application for removal of organic pollutants. Clean Technologies and Environmental Policy, 2013, 15, 871-880.	2.1	93
518	Effect of carbon nanotube length on thermal, electrical and mechanical properties of CNT/bismaleimide composites. Carbon, 2013, 53, 145-152.	5.4	166
519	Broadband dielectric/electric properties of epoxy thin films filled with multiwalled carbon nanotubes. Journal of Nanophotonics, 2013, 7, 073593.	0.4	28
520	Friction and wear properties of aligned carbon nanotubes reinforced epoxy composites under water lubricated condition. Wear, 2013, 308, 105-112.	1.5	72
521	Comparison of drying methods for the preparation of carbon fiber felt/carbon nanotubes modified epoxy composites. Composites Part A: Applied Science and Manufacturing, 2013, 55, 74-82.	3.8	12
522	Carbon Nanotube Enhanced Aerospace Composite Materials. Solid Mechanics and Its Applications, 2013, , .	0.1	12
523	Interactions between Multiwall Carbon Nanotubes and Poly(diallyl dimethylammonium) Chloride: Effect of the Presence of a Surfactant. Journal of Physical Chemistry B, 2013, 117, 3161-3166.	1.2	29
524	Scratch Resistance of New Polystyrene Nanocomposites with Ionic Liquid-Modified Multi-walled Carbon Nanotubes. Tribology Letters, 2013, 52, 271-285.	1.2	14
525	Preparation of polyethersulfone/carbon nanotube substrate for high-performance forward osmosis membrane. Desalination, 2013, 330, 70-78.	4.0	161

#	Article	IF	Citations
526	Processing and performance of carbon/epoxy multi-scale composites containing carbon nanofibres and single walled carbon nanotubes. Journal of Polymer Research, 2013, 20, 1.	1.2	13
527	Facile preparation of a novel high performance benzoxazineâ€“CNT based nano-hybrid network exhibiting outstanding thermo-mechanical properties. Chemical Communications, 2013, 49, 9543.	2.2	41
528	Mechanical behavior of electrospun Nylon66 fibers reinforced with pristine and treated multi-walled carbon nanotube fillers. Ceramics International, 2013, 39, 8199-8206.	2.3	17
529	Hierarchial Coassembly of a Cyanine Dye in Poly(vinyl alcohol) Fibrous Films by Electrospinning. Journal of Physical Chemistry B, 2013, 117, 10920-10928.	1.2	5
530	Mechanical and electrical properties of natural rubber and nitrile rubber blends filled with multi-wall carbon nanotube: Effect of preparation methods. Polymer Testing, 2013, 32, 731-738.	2.3	64
531	Preparation of graphitic carbon nanofibres by in situ catalytic graphitisation of phenolic resins. Ceramics International, 2013, 39, 8487-8492.	2.3	11
532	Experimental torsional shear properties of carbon fiber reinforced epoxy composites containing carbon nanotubes. Composite Structures, 2013, 104, 230-238.	3.1	47
533	Improvement on the tensile performance of buckypaper using a novel dispersant and functionalized carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2013, 55, 102-109.	3.8	29
534	Numerical investigation on the influence factors of the electrical properties of carbon nanotubes-filled composites. Journal of Applied Physics, 2013, 113, .	1.1	44
535	Crystalline and tensile properties of carbon nanotube and graphene reinforced polyamide 12 fibers. Chemical Physics Letters, 2013, 557, 92-96.	1.2	51
536	Optimum Dispersion Technique of Carbon Nanotubes in Epoxy Resin as a Function of the Desired Behaviour. Journal of Nano Research, 0, 26, 177-186.	0.8	5
537	Influence of surface polarity of carbon nanotubes on electric field induced aligned conductive network formation in a polymer melt. RSC Advances, 2013, 3, 24185.	1.7	10
538	Nanoparticles for high performance concrete (HPC). , 2013, , 38-52.		4
539	Isotactic Polypropylene/Multiâ€Walled Carbon Nanotube Nanocomposites: The Effect of Modification of MWCNTs on Mechanical Properties and Melt Crystallization. Macromolecular Chemistry and Physics, 2013, 214, 2415-2431.	1.1	31
540	Effects of carbon nanotubes addition on the composition and mechanical properties of AlMgB₁₄ ceramics. Journal of Composite Materials, 2013, 47, 3187-3193.	1.2	0
541	Influence of multiwalled carbon nanotubes on reaction kinetics of epoxy cured with 1,4-bis(3-aminopropoxy)butane. Monatshefte FÃ¼r Chemie, 2013, 144, 147-153.	0.9	1
542	Characteristics of dye-sensitized solar cells with surface-modified multi-walled carbon nanotubes as counter electrodes. Journal of Materials Science, 2013, 48, 906-912.	1.7	15
543	Changes of morphology and properties of block copolymers induced by carbon nanotubes. Polymer, 2013, 54, 2285-2291.	1.8	10

#	Article	IF	Citations
544	The role of carbon nanofiber defects on the electrical and mechanical properties of CNF-based resins. Nanotechnology, 2013, 24, 305704.	1.3	97
545	Development of electrically conductive and anisotropic gel-coat systems using CNTs. Progress in Organic Coatings, 2013, 76, 963-965.	1.9	14
546	Dispersion and its relation to carbon nanotube concentration in polyimide nanocomposites. Composites Science and Technology, 2013, 85, 43-49.	3.8	24
547	Anisotropic studies of multi-wall carbon nanotube (MWCNT)-filled natural rubber (NR) and nitrile rubber (NBR) blends. Polymer Testing, 2013, 32, 1229-1236.	2.3	32
548	Chemical Functionalization of Carbon Nanotubes for Dispersion in Epoxy Matrices. Solid Mechanics and Its Applications, 2013, , 155-183.	0.1	2
549	Thermoplastic polyurethane/single-walled carbon nanotube composites with low electrical resistance surfaces. High Performance Polymers, 2013, 25, 135-146.	0.8	23
550	Novel carbon nanotube composites by grafting reaction with water-compatible redox initiator system. Colloid and Polymer Science, 2013, 291, 699-708.	1.0	19
551	Developing Descriptors To Predict Mechanical Properties of Nanotubes. Journal of Chemical Information and Modeling, 2013, 53, 773-782.	2.5	11
552	Predictive Models for Mixed-Matrix Membrane Performance: A Review. Chemical Reviews, 2013, 113, 4980-5028.	23.0	455
553	Green approach for the large-scale synthesis of metal/metal oxidenanoparticle decorated multiwalled carbon nanotubes. Journal of Materials Chemistry A, 2013, 1, 482-486.	5.2	49
554	Analytical solutions for bending, buckling and vibration responses of carbon nanotube-reinforced composite beams resting on elastic foundation. Computational Materials Science, 2013, 71, 201-208.	1.4	167
555	A review on the evolution of ethyl tert-butyl ether (ETBE) and its future prospects. Renewable and Sustainable Energy Reviews, 2013, 22, 604-620.	8.2	78
556	Rheologic and mechanical properties of multiwalled carbon nanotubes-reinforced poly(trimethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.7	22
557	Effect of carbon nanoparticles of different shapes on mechanical properties of aromatic polyimide-based composite films. Polymer Science - Series A, 2013, 55, 313-319.	0.4	11
558	Wear Characterization of Carbon Nanotubes Reinforced Polymer Gears. IEEE Nanotechnology Magazine, 2013, 12, 616-620.	1.1	27
559	Effect of carbon nanotube reinforcement on the properties of the recycled poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Materials & Design, 2013, 52, 693-705.	5.1	18
560	Polyester-based thermoplastic elastomer/MWNT composites: Rheological, thermal, and electrical properties. Fibers and Polymers, 2013, 14, 729-735.	1.1	22
561	Polymer Nanocomposites Containing Carbon Nanofibers as Soft Printable Sensors Exhibiting Strainâ€Reversible Piezoresistivity. Advanced Functional Materials, 2013, 23, 5536-5542.	7.8	73

#	Article	IF	Citations
562	Nanostructured biointerfaces created from carbon nanotube patterned porous silicon films. Surface and Coatings Technology, 2013, 224, 49-56.	2.2	7
563	Mechanical Dispersion Methods for Carbon Nanotubes in Aerospace Composite Matrix Systems. Solid Mechanics and Its Applications, 2013, , 99-154.	0.1	3
564	Glass Transition Temperature of Polymerâ€“Nanoparticle Composites: Effect of Polymerâ€“Particle Interfacial Energy. Macromolecules, 2013, 46, 4663-4669.	2.2	38
565	Influence of Multiwall Carbon Nanotubes Trapped at the Interface of an Immiscible Polymer Blend on Interfacial Tension. Macromolecular Chemistry and Physics, 2013, 214, 350-360.	1.1	34
566	Polymer Chain Conformations in CNT/PS Nanocomposites from Small Angle Neutron Scattering. Macromolecules, 2013, 46, 5345-5354.	2.2	50
567	Effect of CNT alignment on the strain sensing capability of carbon nanotube composites. Smart Materials and Structures, 2013, 22, 075006.	1.8	72
568	Developing Polymer Composite Materials: Carbon Nanotubes or Graphene?. Advanced Materials, 2013, 25, 5153-5176.	11.1	398
569	Biobased plastics and bionanocomposites: Current status and future opportunities. Progress in Polymer Science, 2013, 38, 1653-1689.	11.8	866
570	Effects of carbon nanotube alignment on electrical and mechanical properties of epoxy nanocomposites. Composites Part A: Applied Science and Manufacturing, 2013, 49, 26-34.	3.8	206
571	Influence of surface modification of carbon nanotube on microstructures and properties of polyamide 66/multiwalled carbon nanotube composites. Polymer Composites, 2013, 34, 656-664.	2.3	15
572	Epoxy functionalized multi-walled carbon nanotubes for improved adhesives. Carbon, 2013, 59, 109-120.	5.4	105
573	Chapter 4. Chemical Functionalisation of Carbon Nanotubes for Polymer Reinforcement. RSC Nanoscience and Nanotechnology, 2013, , 72-119.	0.2	2
574	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
575	High strain rate behavior of multi-walled carbon nanotubesâ€“polycarbonate composites. Composites Part B: Engineering, 2013, 45, 417-422.	5.9	68
576	New alignment procedure of magnetiteâ€“CNT hybrid nanofillers on epoxy bulk resin with permanent magnets. Composites Part B: Engineering, 2013, 46, 166-172.	5.9	51
577	Effect of NH2-MWCNTs on crosslink density of epoxy matrix and ILSS properties of e-glass/epoxy composites. Composite Structures, 2013, 95, 213-221.	3.1	92
578	Targeting HPC with the help of nanoparticles: An overview. Construction and Building Materials, 2013, 38, 365-370.	3.2	106
579	Nanocomposites of poly(thioureaamide) with carbon nanotube. High Performance Polymers, 2013, 25, 813-821.	0.8	6

#	Article	IF	Citations
580	Effect of Short Carbon Fibers and Carbon Nanotubes Dispersed by Utilizing Hollow Glass Beads as Carriers on the Tensile and Curing Properties of Epoxy Resin. Polymer-Plastics Technology and Engineering, 2013, 52, 1519-1526.	1.9	6
581	A micromechanics-based viscoelastic model for nanocomposites with imperfect interface. International Journal of Damage Mechanics, 2013, 22, 967-981.	2.4	28
582	Molecular-level computational studies of single wall carbon nanotubeâ€“polyethylene composites. Computational Materials Science, 2013, 69, 443-454.	1.4	45
583	Electrical and Physical Properties of Nanocomposited MEH-PPV: CNTs for Organic Solar Cells Application. Advanced Materials Research, 2013, 832, 687-690.	0.3	0
584	Characterisation of multi-walled carbon nanotube reinforced epoxy resin composites. Materials Science and Technology, 2013, 29, 1130-1134.	0.8	9
585	Insight into the nucleating and reinforcing efficiencies of carbon nanofillers in poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 2013, 48, 8509-8519.	1.7	10
586	Facile covalent surface functionalization of multiwalled carbon nanotubes with poly(2â€hydroxyethyl) Tj ETQq0 0 0 rgBT /Overlock 10 T Applied Polymer Science, 2013, 128, 3010-3018.	1.3	6
587	Carbon and glass hierarchical fibers: Influence of carbon nanotubes on tensile, flexural and impact properties of short fiber reinforced composites. Materials & Design, 2013, 43, 10-16.	5.1	128
588	Review: carbon nanotube dispersal mechanisms in the fabrication of powder metallurgy metal matrix composites and effects on mechanical properties. International Journal of Theoretical and Applied Multiscale Mechanics, 2013, 2, 323.	0.5	4
589	Effect of the nanotube aspect ratio and surface functionalization on the morphology and properties of multiwalled carbon nanotube polyamideâ€based fibers. Journal of Applied Polymer Science, 2013, 129, 2479-2489.	1.3	19
590	Processability of polypropylene/multiwalled carbon nanotube nanocomposites via direct melt compounding. Journal of Elastomers and Plastics, 2013, 45, 239-251.	0.7	7
591	Progress in Imidazolium Ionic Liquids Assisted Fabrication of Carbon Nanotube and Graphene Polymer Composites. Polymers, 2013, 5, 847-872.	2.0	78
592	Densely Packed Linear Assembles of Carbon Nanotube Bundles in Polysiloxane-Based Nanocomposite Films. Journal of Nanomaterials, 2013, 2013, 1-10.	1.5	9
593	Effect of Mixing Parameter on Electrical Conductivity of Carbon Black/Graphite/Epoxy Nanocomposite Using Taguchi Method. Applied Mechanics and Materials, 2013, 393, 68-73.	0.2	2
594	Incorporation of Multiwalled Carbon Nanotubes to Ordinary Portland Cement (OPC): Effects on Mechanical Properties. Advanced Materials Research, 0, 641-642, 436-439.	0.3	7
595	Hierarchical structure, mechanical properties and fabrication of biomimetic biomaterials. , 2013, , 67-90.		7
596	Biomimetic Hard Materials. , 2013, , 59-79.		10
597	Fabrication and properties of high performance polyimide nanofibrous films by electrospinning. , 2013, , .		2

#	Article	IF	Citations
598	Fabrication of ultra-thin polyelectrolyte/carbon nanotube membrane by spray-assisted layer-by-layer technique: characterization and its anti-protein fouling properties for water treatment. Desalination and Water Treatment, 2013, 51, 6194-6200.	1.0	58
599	Nanotechnology for eco-efficient concrete. , 2013, , 544-564.		0
600	A Review on Nanomaterial Dispersion, Microstructure, and Mechanical Properties of Carbon Nanotube and Nanofiber Reinforced Cementitious Composites. Journal of Nanomaterials, 2013, 2013, 1-19.	1.5	283
601	Carbon nanotubes in emulsion-templated porous polymers: Polymer nanoparticles, sulfonation, and conductivity. Journal of Polymer Science Part A, 2013, 51, 4369-4377.	2.5	27
602	A Study of Surface Modifications of Carbon Nanotubes on the Properties of Polyamide 66/Multiwalled Carbon Nanotube Composites. Journal of Nanomaterials, 2013, 2013, 1-8.	1.5	19
603	Hydroxylâ€phosphazeneâ€wrapped carbon nanotubes and its application in ethyleneâ€vinyl acetate copolymer. Journal of Applied Polymer Science, 2013, 130, 4245-4254.	1.3	5
604	Preparation and characterization of surface modified silicon carbide/polystyrene nanocomposites. Journal of Applied Polymer Science, 2013, 130, 638-644.	1.3	36
605	Improving the mechanical properties of laserâ€sintered polyamide 12 through incorporation of carbon nanotubes. Polymer Engineering and Science, 2013, 53, 1937-1946.	1.5	84
606	Effect of polymer matrix/montmorillonite compatibility on morphology and melt rheology of polypropylene nanocomposites. Journal of Applied Polymer Science, 2013, 128, 3876-3884.	1.3	19
607	Poly(propylene) composite with hybrid nanofiller: Dynamic properties. Journal of Applied Polymer Science, 2013, 128, 3734-3742.	1.3	1
608	The Range Values for the Design Parameters of Nanoengineered Concrete Components. Characteristics, Properties, Amounts and Effects on the Concrete Behaviour. Advanced Engineering Forum, 0, 8-9, 277-284.	0.3	1
609	Characterization and Morphology of Modified Multi-Walled Carbon Nanotubes Filled Thermoplastic Natural Rubber (TPNR) Composite. , 2013, , .		5
610	Influence of the Sonication Temperature on the Debundling Kinetics of Carbon Nanotubes in Propan-2-ol. Nanomaterials, 2013, 3, 70-85.	1.9	36
611	Modeling the Mechanical Properties of Functionalized Carbon Nanotubes and Their Composites: Design at the Atomic Level. Advances in Condensed Matter Physics, 2014, 2014, 1-8.	0.4	7
612	On Packing, Connectivity, and Conductivity in Mesoscale Networks of Polydisperse Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 29796-29803.	1.5	19
613	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
614	Improved thermomechanical properties of carbon fiber reinforced epoxy composite using amino functionalized XDCNT. Journal of Applied Polymer Science, 2014, 131, .	1.3	15
615	Investigation of cure kinetics in epoxy/multiwalled carbon nanotube nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	1.3	14

#	Article	IF	Citations
616	Nonlinear Viscoelasticity of One Dimensional Filler Reinforced Elastomer Composites. Advances in Polymer Science, 2014, , 15-41.	0.4	8
617	Alignment and Surface Modification of Multiwall Carbon Nanotubes Polymeric Composites. Advanced Materials Research, 0, 881-883, 872-881.	0.3	2
618	Processing and Characterization of Carbon Nanotubes Decorated with Pure Electroless Nickel and their Magnetic Properties. , 2014, 5, 883-890.		9
619	On the Finite Element Modelling and Simulation of Carbon Nanotubes. Key Engineering Materials, 0, 607, 55-61.	0.4	6
620	Determinate the Fracture Toughness of PMMA Cement. Advanced Materials Research, 2014, 1030-1032, 758-761.	0.3	0
621	Thermogravimetric kinetics of degradation of HDPE based MWCNTs reinforced composites. International Journal of Plastics Technology, 2014, 18, 294-320.	2.9	11
622	Multiporous nanofibers of SnO₂by electrospinning for high efficiency dye-sensitized solar cells. Journal of Materials Chemistry A, 2014, 2, 17427-17434.	5.2	74
623	Electrokinetic potential of multilayer carbon nanotubes in aqueous solutions of electrolytes and surfactants. Colloid Journal, 2014, 76, 509-513.	0.5	21
624	Toward High Performance Thermoset/Carbon Nanotube Sheet Nanocomposites via Resistive Heating Assisted Infiltration and Cure. ACS Applied Materials & Interfaces, 2014, 6, 18832-18843.	4.0	43
625	One-step fabrication of free-standing flexible membranes reinforced with self-assembled arrays of carbon nanotubes. Applied Physics Letters, 2014, 105, 153101.	1.5	6
626	Application of Electrospun Nanofibers in Electromagnetic Interference Shielding. Nanostructure Science and Technology, 2014, , 497-525.	0.1	3
627	Influence of injection molding on the electrical properties of polyamide 12 filled with multi-walled carbon nanotubes. Polymer, 2014, 55, 6811-6818.	1.8	35
628	Thermal and thermomechanical behavior of amino functionalized and metal decorated MWCNTs/PMMA nanocomposite films. Polymer Composites, 2014, 35, 1807-1817.	2.3	3
629	Novel conductive nanocomposites from perfluoropolyether waterborne polyurethanes and carbon nanotubes. Polymers for Advanced Technologies, 2014, 25, 1082-1088.	1.6	12
630	High-performance epoxy/silica coated silver nanowire composites as underfill material for electronic packaging. Composites Science and Technology, 2014, 105, 80-85.	3.8	146
631	Shape-Memory Materials. NIMS Monographs, 2014, , 285-373.	0.1	1
632	Effect of Amino Multi Walled Carbon Nanotubes Reinforcement on the Flexural Properties of Neat Epoxy. Applied Mechanics and Materials, 0, 592-594, 912-916.	0.2	8
633	Preparation and thermoelectric power factor of Ag loaded carbon nanotubes/polyaniline composites. Materials Research Innovations, 2014, 18, S4-540-S4-543.	1.0	5

#	Article	IF	Citations
634	Reinforcement Efficiency of Modified Carbon Nanofiber in High-Performance Concrete Nanocomposite. Advances in Civil Engineering Materials, 2014, 3, 20140019.	0.2	2
635	Dynamic Viscoelastic Behavior of Multiwalled Carbon Nanotubeâ€“Reinforced Magnetorheological (MR) Nanocomposites. Journal of Nanomechanics & Micromechanics, 2014, 4, .	1.4	18
636	Flame synthesis of carbon nanotubes onto carbon fiber woven fabric and improvement of interlaminar toughness of composite laminates. Composites Science and Technology, 2014, 101, 159-166.	3.8	51
637	Thermo-Mechanical and ILSS Properties of Woven Carbon/Epoxy-XD-CNT Nanophased Composites. Materials Research Society Symposia Proceedings, 2014, 1700, 55-60.	0.1	0
638	Effect of fibre spinning conditions on the electrical properties of cellulose and carbon nanotube composite fibres spun using ionic liquid as a benign solvent. EXPRESS Polymer Letters, 2014, 8, 154-163.	1.1	26
639	Nanostructural characterization of carbon nanotubes in laser-sintered polyamide 12 by 3D-TEM. Journal of Materials Research, 2014, 29, 1817-1823.	1.2	31
640	Dispersion and Degradation of Polycarbonate/MWCNT Nanocomposites with Melt Extrusion. Advanced Materials Research, 2014, 1044-1045, 27-30.	0.3	1
641	Ultralow percolation threshold of single walled carbon nanotube-epoxy composites synthesized via an ionic liquid dispersant/initiator. Materials Research Express, 2014, 1, 035013.	0.8	11
642	Carbon nanotubeâ€“polyaniline composites. Progress in Polymer Science, 2014, 39, 707-748.	11.8	266
643	Carbon Nanofiber Multifunctional Mat. , 2014, , 313-331.		2
644	Carbon Nanotube Sheet. , 2014, , 349-387.		3
645	Aligning carbon nanotubes using bulk acoustic waves to reinforce polymer composites. Composites Part B: Engineering, 2014, 60, 91-97.	5.9	50
646	Computer simulations of the early stages of crystal nucleation of linear and short chain branched polyethylene on carbon nanotubes. European Polymer Journal, 2014, 56, 194-204.	2.6	15
647	Incorporation of multi-walled carbon nanotubes in microspheres used as anion exchange resin via suspension polymerization. Applied Nanoscience (Switzerland), 2014, 4, 543-549.	1.6	8
648	Cation exchange resin nanocomposites based on multi-walled carbon nanotubes. Applied Nanoscience (Switzerland), 2014, 4, 103-112.	1.6	23
649	Poly(ethylene glycol) grafted multi-walled carbon nanotubes/LiFePO4 composite cathodes for lithium ion batteries. Journal of Power Sources, 2014, 246, 260-268.	4.0	59
650	Electromechanical bending response of PZT/CNT-based polymer laminates subjected to concentrated load. International Journal of Mechanics and Materials in Design, 2014, 10, 193-197.	1.7	5
651	Thermoelectric Enhancement in Polyaniline Composites with Polypyrrole-Functionalized Multiwall Carbon Nanotubes. Journal of Electronic Materials, 2014, 43, 1181-1187.	1.0	19

#	Article	IF	Citations
652	Hybrid carbon nanotubeâ€"silica/ polyvinyl alcohol nanocomposites films: preparation and characterisation. Journal of Polymer Research, 2014, 21, 1.	1.2	27
653	A review on electrically conductive polypropylene and polyethylene. Polymer Composites, 2014, 35, 900-914.	2.3	100
654	Enhancement of mechanical properties of natural fiber composites via carbon nanotube addition. Journal of Materials Science, 2014, 49, 3225-3233.	1.7	63
655	Release characteristics of selected carbon nanotube polymer composites. Carbon, 2014, 68, 33-57.	5.4	216
656	Dielectric and mechanical properties of three-component Al2O3/MWCNTs/polyarylene ether nitrile micro-nanocomposite. Journal of Materials Science: Materials in Electronics, 2014, 25, 1393-1399.	1.1	14
657	Dispersion controlled platinum/multi-walled carbon nanotube hybrid for counter electrodes of dye-sensitized solar cells. Macromolecular Research, 2014, 22, 397-404.	1.0	8
658	Quantitative determination of raw and functionalized carbon nanotubes for the antibacterial studies. Journal of Materials Science, 2014, 49, 4288-4296.	1.7	10
659	Mechanical and electrical properties of multiwall carbon nanotube/polycarbonate composites for electrostatic discharge and electromagnetic interference shielding applications. RSC Advances, 2014, 4, 13839.	1.7	157
660	25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices. Advanced Materials, 2014, 26, 40-67.	11.1	479
661	A methodology to orient carbon nanotubes in a thermosetting matrix. Composites Science and Technology, 2014, 96, 47-55.	3.8	32
662	Recent advance in research on halloysite nanotubes-polymer nanocomposite. Progress in Polymer Science, 2014, 39, 1498-1525.	11.8	758
663	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
664	Enhanced thermal conductivity in polymer composites with aligned graphene nanosheets. Journal of Materials Science, 2014, 49, 5256-5264.	1.7	144
665	Nylon 6/multiwalled carbon nanotube composites: Effect of the meltâ€compounding conditions and nanotube content on the morphology, mechanical properties, and rheology. Journal of Applied Polymer Science, 2014, 131, .	1.3	9
666	Growth of carbon nanotube filaments on carbon fiber cloth by catalytic chemical vapor deposition. Applied Nanoscience (Switzerland), 2014, 4, 997-1003.	1.6	11
667	Surface and electrosurface characterization of surface-oxidized multi-walled N-doped carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 448, 140-146.	2.3	42
668	Hybrid ferroelectricâ€"polymer microfluidic device for dielectrophoretic self-assembling of nanoparticles. RSC Advances, 2014, 4, 2851-2857.	1.7	29
669	Directional alignment of carbon nanotubes in polymer matrices: Contemporary approaches and future advances. Composites Part A: Applied Science and Manufacturing, 2014, 56, 103-126.	3.8	213

#	Article	IF	Citations
670	Effect of silica coating thickness on the thermal conductivity of polyurethane/SiO2 coated multiwalled carbon nanotube composites. Composites Part A: Applied Science and Manufacturing, 2014, 58, 1-6.	3.8	94
671	Magnetic and mechanical properties of polyvinyl alcohol (PVA) nanocomposites with hybrid nanofillers â€“ Graphene oxide tethered with magnetic Fe3O4 nanoparticles. Chemical Engineering Journal, 2014, 237, 462-468.	6.6	68
672	Dispersion of Carbon Nanotubes in Alumina Using a Novel Mixing Technique and Spark Plasma Sintering of the Nanocomposites with Improved Fracture Toughness. Advances in Science and Technology, 0, , .	0.2	3
673	Alignment of MoS2 Nanotubes in a Photopolymerizable Liquidâ€“Crystalline Material. Journal of Physical Chemistry C, 2014, 118, 26396-26401.	1.5	3
674	Synthesis and characterization of MWCNT-graft-polyisoprene via ARGET ATRP. RSC Advances, 2014, 4, 26468.	1.7	18
675	Development of epoxy mixtures for application in aeronautics and aerospace. RSC Advances, 2014, 4, 15474-15488.	1.7	133
676	High performance benzoxazine/CNT nanohybrid network â€“ An easy and scalable way to combine attractive properties. European Polymer Journal, 2014, 58, 218-225.	2.6	34
677	Simulation and experimental characterization of polymer/carbon nanotubes composites for strain sensor applications. Journal of Applied Physics, 2014, 116, .	1.1	71
678	Mixtures composed of liquid crystals and carbon nanotubes. Journal of Chemical Physics, 2014, 140, 164905.	1.2	8
679	Dryâ€Processable Carbon Nanotubes for Functional Devices and Composites. Small, 2014, 10, 4606-4625.	5.2	61
680	A morphological and structural approach to evaluate the electromagnetic performances of composites based on random networks of carbon nanotubes. Journal of Applied Physics, 2014, 115, .	1.1	28
681	Controlling the Surface Chemistry of Multiwalled Carbon Nanotubes for the Production of Highly Efficient and Stable Laccaseâ€Based Biocatalysts. ChemPlusChem, 2014, 79, 1116-1122.	1.3	23
682	Carbon nanotube based elastomer composites â€“ an approach towards multifunctional materials. Journal of Materials Chemistry C, 2014, 2, 8446-8485.	2.7	163
683	Functionalized multiwall carbon nanotubes strengthened GRP hybrid composites: Improved properties with optimum fiber content. Composites Part B: Engineering, 2014, 67, 84-94.	5.9	37
684	Electrospinning, processing and characterization of polymer-based nano-composite fibers. , 2014, , 128-148.		4
685	Novel Poly(vinyl alcohol)/Multiwalled Carbon Nanotube Nanocomposite Membranes for Pervaporation Dehydration of Isopropanol: Poly(sodium 4-styrenesulfonate) as a Functionalization Agent. Industrial & Engineering Chemistry Research, 2014, 53, 12819-12829.	1.8	45
686	Preparation and properties of polyamide/epoxy/multi-walled carbon nanotube nanocomposite. Journal of Plastic Film and Sheeting, 2014, 30, 205-224.	1.3	4
687	Processing of nanostructured polymers and advanced polymeric based nanocomposites. Materials Science and Engineering Reports, 2014, 85, 1-46.	14.8	190

#	Article	IF	Citations
688	An improved understanding of the dispersion of multi-walled carbon nanotubes in non-aqueous solvents. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	26
689	Synthesis and characterization of polyvinyl alcohol based multiwalled carbon nanotube nanocomposites. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 61, 129-134.	1.3	58
690	Potential and prospective implementation of carbon nanotubes on next generation aircraft and space vehicles: A review of current and expected applications in aerospace sciences. Progress in Aerospace Sciences, 2014, 70, 42-68.	6.3	189
691	Evaluation of mechanical properties of untwisted carbon nanotube yarn for application to composite materials. Carbon, 2014, 78, 356-365.	5.4	38
692	The effect of nanocomposite packaging carbon nanotube base on organoleptic and fungal growth of Mazafati brand dates. International Nano Letters, 2014, 4, 1.	2.3	24
693	Surface decoration and dispersibility of carbon nanofibers in aqueous surfactant solution. Russian Journal of Physical Chemistry A, 2014, 88, 484-488.	0.1	2
694	Structure, tribotechnical, and thermophysical characteristics of the fluoroplastic carbonnanotubes material. Nanoscale Research Letters, 2014, 9, 213.	3.1	5
695	Carboxyl functionalised MWCNT/polymethyl methacrylate bone cement for orthopaedic applications. Journal of Biomaterials Applications, 2014, 29, 209-221.	1.2	21
696	Effect of carbon-nanotube length on friction and wear of polyamide 6,6 nanocomposites. Wear, 2014, 320, 103-110.	1.5	30
697	Molecular simulation study of penetrant gas transport properties into the pure and nanosized silica particles filled polysulfone membranes. Journal of Membrane Science, 2014, 451, 117-134.	4.1	112
698	Combination effect of physical drying with chemical characteristic of carbon nanotubes on through-thickness properties of carbon fiber/epoxy composites. Journal of Materials Science, 2014, 49, 4979-4988.	1.7	12
699	Preparation of continuous carbon nanotube networks in carbon fiber/epoxy composite. Composites Part A: Applied Science and Manufacturing, 2014, 56, 248-255.	3.8	73
700	Enhancing dispersion of carbon nanotube in polyacrylonitrile matrix using admicellar polymerization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 456, 67-74.	2.3	21
701	Morphology and tensile properties of unreinforced and short carbon fibre reinforced Nylon 6/multiwalled carbon nanotube-composites. Polymer, 2014, 55, 3015-3025.	1.8	46
702	Multi-step microwave reduction of graphite oxide and its use in the formation of electrically conductive graphene/epoxy composites. Composites Part B: Engineering, 2014, 64, 187-193.	5.9	72
703	Chemical modification of multiwalled carbon nanotube with a bifunctional caged ligand for radioactive labelling. Acta Materialia, 2014, 64, 54-61.	3.8	13
704	Treatment of paper mill effluent using Polyethersulfone/functionalised multiwalled carbon nanotubes based nanocomposite membranes. Chemical Engineering Journal, 2014, 236, 369-377.	6.6	43
705	Tensile mechanical properties of carbon nanotube/epoxy composite fabricated by pultrusion of carbon nanotube spun yarn preform. Composites Part A: Applied Science and Manufacturing, 2014, 62, 32-38.	3.8	49

#	Article	IF	Citations
706	Study of structural morphology, thermal degradation and surface charge decay in PUÂ+ÂPSFÂ+ÂCNTs polymer hybrid nanocomposite. Journal of Electrostatics, 2014, 72, 242-251.	1.0	14
707	Improving the gas barrier properties of Fe3O4/graphite nanoplatelet reinforced nanocomposites by a low magnetic field induced alignment. Composites Science and Technology, 2014, 99, 124-130.	3.8	71
708	Optically active substituted polyacetylene@carbon nanotube hybrids: Preparation, characterization and infrared emissivity property study. Journal of Solid State Chemistry, 2014, 216, 23-29.	1.4	7
709	Carbon nanotubeâ€"polyaniline nanotube coreâ€"shell structures for electrochemical applications. European Polymer Journal, 2014, 57, 137-142.	2.6	63
710	Elastomeric ablative nanocomposites used in hyperthermal environments. Polymer Engineering and Science, 2014, 54, 255-263.	1.5	25
711	High Strength and High Modulus Electrospun Nanofibers. Fibers, 2014, 2, 158-186.	1.8	215
715	Synergistic effect of zero-dimensional spherical carbon nanoparticles and one-dimensional carbon nanotubes on properties of cement-based ceramic matrix: microstructural perspectives and crystallization investigations. Composite Interfaces, 2015, 22, 899-921.	1.3	28
718	Piezoresistive behavior of Epoxy/MWCNTs nanocomposites thin films for strain sensing application. , 2015, , .		0
719	Comparative Evaluation of Different Methods of Carboxylation of Carbon Nanotubes as a Modifier of Mechanical Properties of Heat-Resistant Polyimide Based Nanocomposites. Fibre Chemistry, 2015, 47, 236-243.	0.0	4
720	Dispersion of Multi-Walled Carbon Nanotubes in Portland Cement Concrete Using Ultra-Sonication and Polycarboxylic Based Superplasticizer. Applied Mechanics and Materials, 0, 802, 112-117.	0.2	4
721	Enhanced properties of phthalonitrileâ€terminated polyarylene ether nitriles embedded with hybrid MWCNTâ€"boehmite nanocomposites. Polymer Composites, 2015, 36, 2193-2202.	2.3	3
722	Advanced ultraâ€high molecular weight polyethylene/antioxidantâ€functionalized carbon nanotubes nanocomposites with improved thermoâ€oxidative resistance. Journal of Applied Polymer Science, 2015, 132, .	1.3	16
723	Materials Design of Conductive Pressure-sensitive Adhesives with Carbon Nanotubes. Nippon Gomu Kyokaishi, 2015, 88, 438-442.	0.0	0
725	Reduction of percolation threshold of multiwall carbon nanotube (MWCNT) in polystyrene (PS)/lowâ€density polyethylene (LDPE)/MWCNT nanocomposites: An ecoâ€friendly approach. Polymer Composites, 2015, 36, 1574-1583.	2.3	13
726	Grapheneâ€Enabled Superior and Tunable Photomechanical Actuation in Liquid Crystalline Elastomer Nanocomposites. Advanced Materials, 2015, 27, 6376-6381.	11.1	149
727	Fabrication of <scp>T</scp>ironâ€doped polypyrrole/<scp>MWCNT</scp> composite electrodes with high mass loading and enhanced performance for supercapacitors. Journal of Applied Polymer Science, 2015, 132, .	1.3	10
728	Extraordinary Synergy in Attenuating Microwave Radiation with Cobaltâ€Decorated Graphene Oxide and Carbon Nanotubes in Polycarbonate/Poly(styreneâ€coâ€acrylonitrile) Blends. ChemNanoMat, 2015, 1, 603-614.	1.5	24
729	Processing and characterization of amorphous polyethylene terephthalate fibers for the alignment of carbon nanofillers in thermosetting resins. Polymer Composites, 2015, 36, 1096-1103.	2.3	26

#	Article	IF	Citations
730	Hybrid Nanocomposites Based on Epoxy/silsesquioxanes Matrices Reinforced with Multi-walled Carbon Nanotubes. Materials Research, 2015, 18, 1304-1312.	0.6	8
731	Highly Functionalized Polyethylene Terephthalate for Food Packaging. , 2015, , 213-234.		2
732	Recent Advances in the Synthesis and Biomedical Applications of Nanocomposite Hydrogels. Pharmaceutics, 2015, 7, 413-437.	2.0	28
733	A Review of Spectral Methods for Dispersion Characterization of Carbon Nanotubes in Aqueous Suspensions. Journal of Spectroscopy, 2015, 2015, 1-11.	0.6	67
734	Nanosilica-reinforced epoxy composites for marine applications. , 2015, , 425-459.		2
735	Application of a Neural Network Model for Prediction of Wear Properties of Ultrahigh Molecular Weight Polyethylene Composites. International Journal of Polymer Science, 2015, 2015, 1-11.	1.2	24
736	Measuring the Electrical Properties of MWNT-PA6 Reinforced Nanocomposites. Journal of Nanomaterials, 2015, 2015, 1-9.	1.5	3
737	Progress in Research on Carbon Nanotubes Reinforced Cementitious Composites. Advances in Materials Science and Engineering, 2015, 2015, 1-16.	1.0	30
738	Damping Property of a Cement-Based Material Containing Carbon Nanotube. Journal of Nanomaterials, 2015, 2015, 1-7.	1.5	41
739	Polymer-based composites with improved energy density and dielectric constants by monoaxial hot-stretching for organic film capacitor applications. RSC Advances, 2015, 5, 51975-51982.	1.7	9
740	On demand delivery of ionic drugs from electro-responsive CNT hybrid films. RSC Advances, 2015, 5, 44902-44911.	1.7	31
741	Superior Mechanical Properties of Epoxy Composites Reinforced by 3D Interconnected Graphene Skeleton. ACS Applied Materials & Interfaces, 2015, 7, 11583-11591.	4.0	143
742	Influence of the carbon nanotube surface modification on the microstructure of thermoplastic binders. RSC Advances, 2015, 5, 51621-51630.	1.7	26
743	Mechanical behavior of extra-strong CNT fibers and their composites. , 2015, , 339-372.		2
744	Carbon Nanotubes Enhanced Fluorinated Polyurethane Macroporous Membranes for Waterproof and Breathable Application. ACS Applied Materials & Interfaces, 2015, 7, 13538-13546.	4.0	173
745	Morphology and electrical properties of multi-walled carbon nanotube/carbon aerogel prepared by using polyacrylonitrile as precursor. RSC Advances, 2015, 5, 49944-49952.	1.7	10
746	Carbon Nanotube-Based Poly(ethylene oxide) Nanocomposites. , 2015, , 299-334.		2
747	Carbon nanotubes materials and their related polymer nanocomposites: frontiers, challenges and strategic priorities. International Journal of Materials Engineering Innovation, 2015, 6, 185.	0.2	3

#	Article	IF	Citations
748	Microstructure and Mechanical Properties of Multiwall Carbon Nanotubes Reinforced Polymer Composites. Materials Today: Proceedings, 2015, 2, 3598-3604.	0.9	8
749	Review of nanocarbon-engineered multifunctional cementitious composites. Composites Part A: Applied Science and Manufacturing, 2015, 70, 69-81.	3.8	294
750	The impact strength and electrical properties of polyimide-/polyolefin elastomer-grafted multiwalled carbon nanotube composites. Journal of Thermoplastic Composite Materials, 2015, 28, 295-302.	2.6	2
751	Novel sulfonated poly (ether ether ketone)/silica coated carbon nanotubes highâ€performance composite membranes for direct methanol fuel cell. Polymers for Advanced Technologies, 2015, 26, 457-464.	1.6	41
752	Thermal Conductivity of Magnetically Aligned Grapheneâ€“Polymer Composites with Fe3O4-Decorated Graphene Nanosheets. Journal of Electronic Materials, 2015, 44, 658-666.	1.0	41
753	Helium ion microscopy of electrospun CNTâ€“polymer composites. Journal of Materials Research, 2015, 30, 130-140.	1.2	8
754	Elastomeric nanocomposite scaffolds made from poly(glycerol sebacate) chemically crosslinked with carbon nanotubes. Biomaterials Science, 2015, 3, 46-58.	2.6	85
755	Exact solutions for static and dynamic analyses of carbon nanotube-reinforced composite plates with Pasternak elastic foundation. Applied Mathematical Modelling, 2015, 39, 5459-5472.	2.2	84
756	Mechanical properties of graphene films enhanced by homo-telechelic functionalized polymer fillers via Ï€â€“Ï€ stacking interactions. Composites Part A: Applied Science and Manufacturing, 2015, 71, 1-8.	3.8	76
757	Nanocomposites from styreneâ€“butadiene rubber (SBR) and multiwall carbon nanotubes (MWCNT) part 2: Mechanical properties. Polymer, 2015, 56, 443-451.	1.8	75
758	Vibration characteristics of single- and double-walled carbon nanotubes functionalized with amide and amine groups. Physica B: Condensed Matter, 2015, 462, 8-14.	1.3	27
759	The novel Elvaloy4170/functionalized multi-walled carbon nanotubes mixed matrix membranes: Fabrication, characterization and gas separation study. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 220-228.	2.7	46
760	PCLâ€“CNT Nanocomposites. , 2015, , 173-193.		7
761	Effective Moduli Evaluation of Carbon Nanotube Reinforced Polymers Using Micromechanics. Mechanics of Advanced Materials and Structures, 2015, 22, 819-828.	1.5	14
762	Separation and enrichment of six indicator polychlorinated biphenyls from real waters using a novel magnetic multiwalled carbon nanotube composite absorbent. Journal of Separation Science, 2015, 38, 871-882.	1.3	19
763	Impact of Electric Field Application During Curing on Epoxy-Carbon Nanotube Nanocomposite Electrical Conductivity. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 627-634.	1.9	9
764	Elastomeric composites based on carbon nanomaterials. Nanotechnology, 2015, 26, 112001.	1.3	119
765	Structural and morphological studies on the deformation behavior of polypropylene/multiâ€walled carbon nanotubes nanocomposites prepared through ultrasoundâ€assisted melt extrusion process. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 475-491.	2.4	16

#	Article	IF	Citations
766	Synergistic effect of carbon nanotube and graphene on multifunctional properties of their polymer composites. , 2015, , 527-548.		0
767	Progress towards high-power Li/CF_xbatteries: electrode architectures using carbon nanotubes with CF_x. Physical Chemistry Chemical Physics, 2015, 17, 22504-22518.	1.3	76
768	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
769	Aligning multilayer graphene flakes with an external electric field to improve multifunctional properties of epoxy nanocomposites. Carbon, 2015, 94, 607-618.	5.4	288
770	Influence of graphene oxide as dispersed phase in cement mortar matrix in defining the crystal patterns of cement hydrates and its effect on mechanical, microstructural and crystallization properties. RSC Advances, 2015, 5, 52642-52657.	1.7	136
771	Enzymatically degradable EMI shielding materials derived from PCL based nanocomposites. RSC Advances, 2015, 5, 17716-17725.	1.7	32
772	Designing an optimum pulsed magnetic field by a resistance/self-inductance/capacitance discharge system and alignment of carbon nanotubes embedded in polypyrrole matrix. Review of Scientific Instruments, 2015, 86, 025109.	0.6	3
773	Molecular Dynamic Study on Thermal Conductivity of Methyl-Chemisorption Carbon Nanotubes. Advanced Materials Research, 2015, 1096, 520-523.	0.3	0
774	Oriented association of multiwall carbon nanotubes upon efficient epitaxial organization of polyfluorene. Carbon, 2015, 93, 342-352.	5.4	8
775	Microwave absorbers designed from PVDF/SAN blends containing multiwall carbon nanotubes anchored cobalt ferrite via a pyrene derivative. Journal of Materials Chemistry A, 2015, 3, 12413-12426.	5.2	81
776	Bio-Inspired Aggregation Control of Carbon Nanotubes for Ultra-Strong Composites. Scientific Reports, 2015, 5, 11533.	1.6	58
777	Tactile sensing in humanâ€“computer interfaces: The inclusion of pressure sensitivity as a third dimension of user input. Sensors and Actuators A: Physical, 2015, 232, 229-250.	2.0	19
778	Preparation and properties of reduced graphene oxide/polyacrylonitrile nanocomposites using polyvinyl phenol. Composites Part B: Engineering, 2015, 80, 238-245.	5.9	86
779	Improving the toughness and electrical conductivity of epoxy nanocomposites by using aligned carbon nanofibres. Composites Science and Technology, 2015, 117, 146-158.	3.8	135
780	Fracture resistance, thermal and electrical properties of epoxy composites containing aligned carbon nanotubes by low magnetic field. Composites Science and Technology, 2015, 114, 126-135.	3.8	108
781	Toward the development of versatile functionalized carbon nanotubes. RSC Advances, 2015, 5, 38316-38323.	1.7	30
782	Enhanced electromagnetic shielding behavior of multi-walled carbon nanotube entrenched poly (3,4-ethylenedioxythiophene) nanocomposites. Composites Science and Technology, 2015, 114, 94-102.	3.8	68
783	The impact of different multi-walled carbon nanotubes on the X-band microwave absorption of their epoxy nanocomposites. Chemistry Central Journal, 2015, 9, 10.	2.6	61

#	Article	IF	Citations
784	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
785	Performance of Carbon Nanotubes (CNT) Based Natural Rubber Composites: A Review. , 2015, , 821-829.		5
786	Influence of Multiwalled Carbon Nanotubes on Mechanical, Thermal and Electrical Behavior of Polybenzoxazine-Epoxy Nanocomposites. Polymer-Plastics Technology and Engineering, 2015, 54, 68-80.	1.9	17
787	Radio frequency plasma mediated dry functionalization of multiwall carbon nanotube. Applied Surface Science, 2015, 340, 64-71.	3.1	25
788	Synthetic design and investigation of novel polymeric surfactants. Polymer, 2015, 72, 301-306.	1.8	7
789	Improving the fracture toughness and the strength of epoxy using nanomaterials â€“ a review of the current status. Nanoscale, 2015, 7, 10294-10329.	2.8	613
790	Effects of sonication energy on the dispersion of carbon nanotubes in a vinyl ester matrix and associated thermo-mechanical properties. Journal of Materials Science, 2015, 50, 4729-4740.	1.7	21
791	Advances in the Organometallic Chemistry of Carbon Nanomaterials. Organometallics, 2015, 34, 2086-2097.	1.1	20
792	Facile synthesis of CuS nanoparticles deposited on polymer nanocomposite foam and their effects on microstructural and optical properties. European Polymer Journal, 2015, 68, 47-56.	2.6	16
793	A review on thermophysical properties of nanoparticle dispersed phase change materials. Energy Conversion and Management, 2015, 95, 69-89.	4.4	241
794	Peculiarities of the initial stages of carbonization processes in polyimide-based nanocomposite films containing carbon nanoparticles. Cogent Chemistry, 2015, 1, 1076712.	2.5	6
795	An acid functionalized MWCNT/PVP nanocomposite as a new additive for fabrication of an ultrafiltration membrane with improved anti-fouling resistance. RSC Advances, 2015, 5, 95421-95432.	1.7	34
796	One-pot synthesis of aminated multi-walled carbon nanotube using thiol-ene click chemistry for improvement of epoxy nanocomposites properties. RSC Advances, 2015, 5, 98692-98699.	1.7	57
797	Thermal properties and non-isothermal curing kinetics of carbon nanotubes/ionic liquid/epoxy resin systems. Thermochimica Acta, 2015, 618, 18-25.	1.2	30
798	An extremely uniform dispersion of MWCNTs in olefin block copolymers significantly enhances electrical and mechanical performances. Polymer Chemistry, 2015, 6, 7160-7170.	1.9	38
799	The phase behavior of rigid rods in an anisotropic mean field with applications to carbon nanotubes in nematic liquid crystals. Journal of Chemical Physics, 2015, 143, 094901.	1.2	12
800	A simple criterion for determining the static friction force between nanowires and flat substrates using the most-bent-state method. Nanotechnology, 2015, 26, 165702.	1.3	16
801	Properties of Natural Rubber Nanocomposites Reinforced with Carbon Nanotubes. Advanced Materials Research, 2015, 1109, 195-199.	0.3	3

#	Article	IF	Citations
802	Enhanced mechanical properties of carbon fiber/epoxy composites by incorporating XD-grade carbon nanotube. Journal of Composite Materials, 2015, 49, 2251-2263.	1.2	31
803	Highly aligned arrays of super resilient carbon nanotubes by steam purification. Carbon, 2015, 84, 130-137.	5.4	31
804	Mechanical properties and microstructure of multi-walled carbon nanotube-reinforced cement paste. Construction and Building Materials, 2015, 76, 16-23.	3.2	292
805	Functionalised silica/epoxy nanocomposites with enhanced fracture toughness for large-scale applications. Journal of Composite Materials, 2015, 49, 1439-1447.	1.2	6
806	Effect of proton irradiation on mechanical properties of lowâ€density polyethylene/multiwalled carbon nanotubes composites. Polymer Composites, 2015, 36, 278-286.	2.3	7
807	Fabrication and thermal characteristics of functionalized carbon nanotubes impregnated polydimethylsiloxane nanocomposites. Journal of Composite Materials, 2015, 49, 995-1006.	1.2	24
808	Block copolymerâ€“nanoparticle composites: Structure, functional properties, and processing. Progress in Polymer Science, 2015, 40, 33-62.	11.8	201
809	Impact behavior and fractographic study of carbon nanotubes grafted carbon fiber-reinforced epoxy matrix multi-scale hybrid composites. Composites Part A: Applied Science and Manufacturing, 2015, 69, 124-131.	3.8	61
810	Preparation of MWCNTs grafted with polyvinyl alcohol through Friedelâ€“Crafts alkylation and their composite fibers with enhanced mechanical properties. Journal of Materials Chemistry A, 2015, 3, 1442-1449.	5.2	28
811	Advances in thermoplastic polyurethane composites reinforced with carbon nanotubes and carbon nanofibers: A review. Journal of Plastic Film and Sheeting, 2015, 31, 186-224.	1.3	58
812	Affecting the morphology of silver deposition on carbon nanotube surface: From nanoparticles to dendritic (tree-like) nanostructures. Materials Science and Engineering C, 2015, 46, 232-238.	3.8	4
813	Optimisation and analysis of the reinforcement effect of carbon nanotubes in a typical matrix system. Meccanica, 2015, 50, 461-478.	1.2	14
814	Solvent Effect on the Fabrication and Mechanical Behavior of Sandwich Structured Poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262	1.0	1
815	Nanomaterial-modified Flexible Micro-electrode Array by Electrophoretic Deposition of Carbon Nanotubes. Journal of Biochips & Tissue Chips, 2016, 6, .	0.2	2
816	Emerging trends of nanobiomaterials in hard tissue engineering. , 2016, , 63-101.		3
817	Carbon and inorganic nanomaterial-reinforced polymeric nanocomposites for bone tissue engineering. , 2016, , 31-66.		7
818	Nitrogen-Doped Carbon Nanotube/Polymer Nanocomposites Towards Thermoelectric Applications. , 0, , .		1
819	Carbon Nanotube-Based UV-Curable Nanocomposite Coatings. , 0, , .		2

#	Article	IF	Citations
820	Bio-inspired Design and Fabrication of Super-Strong and Multifunctional Carbon Nanotube Composites. , 2016, , .		2
821	The impedance characterization of Carbon Nanotubes - Fumed Silica Poly (vinyl alcohol) Composites. IOP Conference Series: Earth and Environmental Science, 2016, 36, 012010.	0.2	0
822	Preparation and properties of novel epoxy composites containing electrospun PA6/Fâ€MWNTs fibers. Polymer Engineering and Science, 2016, 56, 1259-1266.	1.5	13
823	Mechanisms for Imparting Conductivity to Nonconductive Polymeric Biomaterials. Macromolecular Bioscience, 2016, 16, 1103-1121.	2.1	12
824	Tailoring in thermomechanical properties of ethylene propylene diene monomer elastomer with silane functionalized multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2016, 133, .	1.3	9
825	Anisotropic optical response of optically opaque elastomers with conductive fillers as revealed by terahertz polarization spectroscopy. Scientific Reports, 2016, 6, 39079.	1.6	32
826	Optimum filler geometry for suppression of moisture diffusion in molding compounds. , 2016, , .		4
827	Fabrication of stretchable and flexible vertically aligned carbon nanotube film. , 2016, , .		1
828	Investigation of Carbon Nanotubes in Mixed Matrix Membranes for Gas Separation: A Review. ChemBioEng Reviews, 2016, 3, 276-298.	2.6	46
829	Novel porous nanohybrid materials with unexpected mechanical and electrical performance by pyrolysis of carbon nanotube-filled benzoxazine thermosets. Nanocomposites, 2016, 2, 169-175.	2.2	3
830	Enhanced mechanical performance of cement nanocomposite reinforced with graphene oxide synthesized from mechanically milled graphite and its comparison with carbon nanotubes reinforced nanocomposite. RSC Advances, 2016, 6, 103993-104009.	1.7	28
832	Nematic phase formation in suspensions of carbon nanotubes. Series in Sof Condensed Matter, 2016, , 775-796.	0.1	0
833	Ultra high molecular weight polyethylene (UHMWPE) fiber epoxy composite hybridized with Gadolinium and Boron nanoparticles for radiation shielding. Proceedings of SPIE, 2016, , .	0.8	6
834	Portland cement mortar nanocomposites at low carbon nanotube and carbon nanofiber content: A fracture mechanics experimental study. Cement and Concrete Composites, 2016, 70, 110-118.	4.6	111
835	Tribological and mechanical investigation of acrylic-based nanocomposite coatings reinforced with PMMA-grafted-MWCNT. Materials Chemistry and Physics, 2016, 175, 206-214.	2.0	22
836	Evaluation of interfacial shear stress between multi-walled carbon nanotubes and epoxy based on strain distribution measurement using Raman spectroscopy. Composites Part A: Applied Science and Manufacturing, 2016, 85, 192-198.	3.8	19
837	Recently emerging trends in thermal conductivity of polymer nanocomposites. Reviews in Chemical Engineering, 2016, 32, .	2.3	76
838	Anisotropy in CNT composite fabricated by combining directional freezing and gamma irradiation of acrylic acid. Materials and Design, 2016, 97, 300-306.	3.3	6

#	Article	IF	Citations
839	The critical role of nanotube shape in cement composites. Cement and Concrete Composites, 2016, 71, 166-174.	4.6	60
840	An efficient approach to the preparation of polyethylene magnetic nanocomposites. Polymer, 2016, 97, 131-137.	1.8	22
841	On the possibility of electrochemical unzipping of multiwalled carbon nanotubes to produce graphene nanoribbons. Materials Research Bulletin, 2016, 80, 243-248.	2.7	6
842	Structure evolution in poly(ethylene terephthalate) (PET) â€“ Multi-walled carbon nanotube (MWCNT) composite films during in-situ uniaxial deformation. Polymer, 2016, 92, 239-249.	1.8	22
843	An overview of nanocomposite nanofillers and their functionalization. , 2016, , 15-64.		8
844	A Guide for Hydrodynamic Reinforcement Effect in Nanoparticle-filled Polymers. Critical Reviews in Solid State and Materials Sciences, 2016, 41, 318-346.	6.8	71
845	A Measure of CNTs Dispersion in Polymers With Branched Molecular Architectures by UDMA. IEEE Nanotechnology Magazine, 2016, 15, 731-737.	1.1	12
846	Recent Progress on Ferroelectric Polymer-Based Nanocomposites for High Energy Density Capacitors: Synthesis, Dielectric Properties, and Future Aspects. Chemical Reviews, 2016, 116, 4260-4317.	23.0	1,248
847	Compressive properties and thermal stability of hybrid carbon nanotube-alumina filled epoxy nanocomposites. Composites Part B: Engineering, 2016, 91, 235-242.	5.9	20
848	Conductive thermoplastic vulcanizates (TPVs) based on polypropylene (PP)/ethylene-propylene-diene rubber (EPDM) blend: From strain sensor to highly stretchable conductor. Composites Science and Technology, 2016, 128, 176-184.	3.8	120
849	Advanced carbon materials/olivine LiFePO 4 composites cathode for lithium ion batteries. Journal of Power Sources, 2016, 318, 93-112.	4.0	171
850	Structure, rheological, thermal conductive and electrical insulating properties of high-performance hybrid epoxy/nanosilica/AgNWs nanocomposites. Composites Science and Technology, 2016, 128, 207-214.	3.8	95
851	Percolation model of reinforcement efficiency for carbon nanotubes dispersed in thermoplastics. Composites Part A: Applied Science and Manufacturing, 2016, 86, 49-56.	3.8	16
852	Characterization and properties of transparent cellulose nanowhiskers-based graphene nanoplatelets/multi-walled carbon nanotubes films. Composites Part A: Applied Science and Manufacturing, 2016, 86, 77-86.	3.8	12
853	Microwave absorbing properties of alternating multilayer composites consisting of poly (vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 and Technology, 2016, 130, 10-19.	3.8	63
854	A Review on Polymer/Cement Composite with Carbon Nanofiller and Inorganic Filler. Polymer-Plastics Technology and Engineering, 2016, 55, 1299-1323.	1.9	16
855	Functionalization of MWCNTs with silver nanoparticles decorated polypyrrole and their application in antistatic and thermal conductive epoxy matrix nanocomposite. RSC Advances, 2016, 6, 31782-31789.	1.7	41
856	Influence of the concentration of carbon nanotubes on electrical conductivity of magnetically aligned MWCNTâ€“polypyrrole composites. Bulletin of Materials Science, 2016, 39, 457-462.	0.8	4

#	Article	IF	Citations
857	Helical polysilane wrapping onto carbon nanotube: preparation, characterization and infrared emissivity property study. RSC Advances, 2016, 6, 7439-7447.	1.7	9
858	From stretchable to reconfigurable inorganic electronics. Extreme Mechanics Letters, 2016, 9, 245-268.	2.0	52
859	Effect of nanofillers on the physico-mechanical properties of load bearing bone implants. Materials Science and Engineering C, 2016, 67, 792-806.	3.8	80
860	Synergy between single-walled carbon nanotubes and ionic liquid in epoxy resin nanocomposites. Composites Part B: Engineering, 2016, 105, 149-159.	5.9	49
861	On the interaction of dipolar filaments. European Physical Journal E, 2016, 39, 81.	0.7	14
862	Carbon nanotube based transparent conductive films: progress, challenges, and perspectives. Science and Technology of Advanced Materials, 2016, 17, 493-516.	2.8	125
863	Carbon nanotubesâ€polymer nanocomposites for controlled heating materials. Journal of Applied Polymer Science, 2016, 133, .	1.3	0
864	A promising approach to low electrical percolation threshold in PMMA nanocomposites by using MWCNT-PEO predispersions. Materials and Design, 2016, 111, 253-262.	3.3	23
865	The effect of carbon nanotubes/NiFe₂O₄ on the thermal stability, combustion behavior and mechanical properties of unsaturated polyester resin. RSC Advances, 2016, 6, 96974-96983.	1.7	9
869	Dielectric properties of composite materials containing aligned carbon nanotubes. Inorganic Materials, 2016, 52, 1198-1203.	0.2	5
870	Dramatic increase in electrical conductivity in epoxy composites with uni-directionally oriented laminae of carbon nanotubes. Chemical Engineering Journal, 2016, 304, 970-976.	6.6	21
871	The kinetic friction of ZnO nanowires on amorphous SiO2 and SiN substrates. Applied Surface Science, 2016, 389, 797-801.	3.1	11
872	Thermal conductivity of aligned CNT/polymer composites using mesoscopic simulation. Composites Part A: Applied Science and Manufacturing, 2016, 90, 410-416.	3.8	53
873	The multiple roles of a dispersant in nanocomposite systems. Composites Science and Technology, 2016, 133, 192-199.	3.8	49
874	Internal geometry of woven composite laminates with â€œfuzzyâ€•carbon nanotube grafted fibers. Composites Part A: Applied Science and Manufacturing, 2016, 88, 295-304.	3.8	28
875	A new strategy for designing high-performance sulfonated poly(ether ether ketone) polymer electrolyte membranes using inorganic proton conductor-functionalized carbon nanotubes. Journal of Power Sources, 2016, 325, 453-464.	4.0	124
877	Dielectric barrier discharge assisted continuous plasma polypyrrole deposition for the surface modification of carbon nanotube-grafted carbon fibers. Thin Solid Films, 2016, 616, 220-227.	0.8	6
878	Double-Wall Nanotubes and Graphene Nanoplatelets for Hybrid Conductive Adhesives with Enhanced Thermal and Electrical Conductivity. ACS Applied Materials & Interfaces, 2016, 8, 23244-23259.	4.0	63

#	Article	IF	Citations
879	High dielectric permittivity and improved mechanical and thermal properties of poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 74 behavior and dielectric properties. Nanotechnology, 2016, 27, 385702.	1.3	30
880	Straightening Single-Walled Carbon Nanotubes by Adsorbed Rigid Poly(3-hexylthiophene) Chains via Ï€â€“Ï€ Interaction. Journal of Physical Chemistry C, 2016, 120, 27665-27674.	1.5	19
882	Excellent Electroactive Shape Memory Performance of EVA/PCL/CNT Blend Composites with Selectively Localized CNTs. Journal of Physical Chemistry C, 2016, 120, 22793-22802.	1.5	64
883	Study on novel poly (vinyl pyrrolidone) doped MWCNTs/polyrhodanine nanocomposites: Synthesis, characterization, and thermal performance. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 604-609.	1.0	6
884	Pulsed electrodeposition of palladium nano-particles on coated multi-walled carbon nanotubes/nafion composite substrates: Electrocatalytic oxidation of hydrazine and propranolol in acid conditions. Sensors and Actuators B: Chemical, 2016, 237, 400-407.	4.0	34
885	Self-assembly of carbon nanotubes in polymer melts: simulation of structural and electrical behaviour by hybrid particle-field molecular dynamics. Nanoscale, 2016, 8, 15538-15552.	2.8	37
886	Spray-Coated Halloysiteâ€“Epoxy Composites: A Means To Create Mechanically Robust, Vertically Aligned Nanotube Composites. ACS Applied Materials & Interfaces, 2016, 8, 20396-20406.	4.0	30
887	Conductivity analysis of epoxy/carbon nanotubes composites by dipole relaxation and hopping models. Physica B: Condensed Matter, 2016, 499, 57-63.	1.3	13
888	NovelÂhydrophilicÂPVDFÂultrafiltrationÂmembranes based on a ZrO2â€“multiwalledÂcarbonÂnanotube hybridÂforÂoil/water separation. Journal of Materials Science, 2016, 51, 8965-8976.	1.7	45
889	Low viscosity processing using hybrid CNT-coated silica particles to form electrically conductive epoxy resin composites. Polymer, 2016, 98, 32-38.	1.8	20
890	Strengthening in and fracture behaviour of CNT and carbon-fibre-reinforced epoxyâ€“matrix hybrid composite. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 1443-1461.	0.8	14
891	Nanographiteâ€“Polymer Composites. , 2016, , 647-673.		1
892	The Effects of Reaction Temperature on the Morphology and the Quality of the Carbon Nanotube - Silica Microparticles. Advanced Materials Research, 2016, 1133, 467-470.	0.3	0
893	Biocomposites with Size-Fractionated Biocarbon: Influence of the Microstructure on Macroscopic Properties. ACS Omega, 2016, 1, 636-647.	1.6	79
894	Straight and Rod-like Coreâ€“Sheath Crystals of Solution-Crystallized Poly(Îµ-caprolactone)/Multiwalled Carbon Nanotube Nanocomposites. Crystal Growth and Design, 2016, 16, 6817-6827.	1.4	13
895	Carbon nanotube reinforced cementitious composites: An overview. Composites Part A: Applied Science and Manufacturing, 2016, 91, 301-323.	3.8	214
896	Effect of multi-walled carbon nanotubes on thermal properties of nitrate molten salts. , 2016, , .		8
897	A new strategy for detecting dopamine in human serum using polymer brushes reinforced with carbon nanotubes. RSC Advances, 2016, 6, 47134-47137.	1.7	11

#	Article	IF	Citations
898	Ensuring near-optimum homogeneity and densification levels in nano-reinforced ceramics. Proceedings of SPIE, 2016, , .	0.8	0
899	A molecular dynamics investigation into the size-dependent buckling behavior of a novel three-dimensional metallic carbon nanostructure (T6). Superlattices and Microstructures, 2016, 97, 125-131.	1.4	5
900	Strength, energy absorption capability and self-sensing properties of multifunctional carbon nanotube reinforced mortars. Construction and Building Materials, 2016, 120, 265-274.	3.2	112
901	Progress and challenges of carbon nanotube membrane in water treatment. Critical Reviews in Environmental Science and Technology, 2016, 46, 999-1046.	6.6	70
902	XNBR-grafted halloysite nanotube core-shell as a potential compatibilizer for immiscible polymer systems. Applied Surface Science, 2016, 382, 63-72.	3.1	44
903	Orientation of Graphene Nanoplatelets in Thermosetting Matrices. IEEE Nanotechnology Magazine, 2016, 15, 877-883.	1.1	6
904	Comparative studies on Graphite and Carbon Black powders, and their dispersions. Journal of Molecular Liquids, 2016, 221, 292-297.	2.3	33
905	Thermal properties and morphologies of MAâ€“SA eutectics/CNTs as composite PCMs in thermal energy storage. Energy and Buildings, 2016, 127, 603-610.	3.1	56
906	Mapping viscoelastic and plastic properties of polymers and polymer-nanotube composites using instrumented indentation. Journal of Materials Research, 2016, 31, 2347-2360.	1.2	15
907	Surface modification of halloysite nanotubes by vulcanization accelerator and properties of styrene-butadiene rubber nanocomposites with modified halloysite nanotubes. Applied Surface Science, 2016, 366, 193-201.	3.1	40
908	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
909	Carbon nanotubes-porous ceramic composite by in situ CCVD growth of CNTs. Materials Chemistry and Physics, 2016, 171, 247-251.	2.0	14
910	Effect of synthesis catalyst on structure of nitrogen-doped carbon nanotubes and electrical conductivity and electromagnetic interference shielding of their polymeric nanocomposites. Carbon, 2016, 98, 358-372.	5.4	202
911	Construction of advanced poly(arylene ether nitrile)/multi-walled carbon nanotubes nanocomposites by controlling the precise interface. Journal of Materials Science, 2016, 51, 2090-2100.	1.7	9
912	Interfacial engineering of epoxy/carbon nanotubes using reactive glue for effective reinforcement of the composite. Polymer Journal, 2016, 48, 183-188.	1.3	8
913	Stripe-like Clay Nanotubes Patterns in Glass Capillary Tubes for Capture of Tumor Cells. ACS Applied Materials & Interfaces, 2016, 8, 7709-7719.	4.0	68
914	Significant improvements in the mechanical properties of chitosan functionalized carbon nanotubes/epoxy composites. RSC Advances, 2016, 6, 26210-26215.	1.7	21
915	Toxicity analysis of various Pluronic F-68-coated carbon nanotubes on mesenchymal stem cells. Chemico-Biological Interactions, 2016, 250, 47-58.	1.7	14

#	Article	IF	Citations
916	An improved pullâ€out model for the carbon nanotube/nanofiberâ€reinforced polymer composites with interfacial defects. Polymer Composites, 2016, 37, 229-240.	2.3	6
917	Effect of viscosity reducing agent on the properties of CNT/epoxy nanocomposites. Journal of Polymer Engineering, 2016, 36, 407-412.	0.6	4
918	Aqueous dispersion of multiwall carbon nanotubes with phosphonic acid derivatives. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 493, 41-51.	2.3	15
919	Influence of multiwall carbon nanotube alignment on vibration damping of nanocomposites. Journal of Reinforced Plastics and Composites, 2016, 35, 617-627.	1.6	22
920	Carbon nanotube dispersion in nematic liquid crystals: An overview. Progress in Materials Science, 2016, 80, 38-76.	16.0	157
921	Nano carbon materialâ€“filled cementitious composites. , 2016, , 153-181.		4
922	On the efficiency of UVâ€“vis spectroscopy in assessing the dispersion quality in sonicated aqueous suspensions of carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 118-124.	2.3	79
923	Study on the morphological, dynamic mechanical and thermal properties of PLA carbon nanofibre composites. Composites Part B: Engineering, 2016, 91, 631-639.	5.9	57
924	Polarization-selective alignment of a carbon nanotube film by using femtosecond laser ablation. Journal of the Korean Physical Society, 2016, 68, 210-214.	0.3	7
925	Densification kinetics and mechanical properties of carbon/carbon composites reinforced with carbon nanotubes produced in situ. Carbon, 2016, 99, 533-540.	5.4	28
926	Carbon nanotube-filled polypropylene/polyethylene blends: compatibilization and electrical properties. Polymer Bulletin, 2016, 73, 975-987.	1.7	39
927	Ballistic damage of hybrid composite materials. , 2016, , 121-143.		2
928	Visualization of carbon nanotubes dispersion in composite by using confocal laser scanning microscopy. European Polymer Journal, 2016, 79, 187-197.	2.6	19
929	Toughening of Epoxy Nanocomposites: Nano and Hybrid Effects. Polymer Reviews, 2016, 56, 70-112.	5.3	140
930	On the vibrational behavior of single- and double-walled carbon nanotubes under the physical adsorption of biomolecules in the aqueous environment: a molecular dynamics study. Journal of Molecular Modeling, 2016, 22, 62.	0.8	12
931	Field dependence of liquid-crystalline phase in liquid-crystal and carbon nanotubes composite. Liquid Crystals, 2016, 43, 484-487.	0.9	6
932	Graphene nanoribbon â€“ Polymer composites: The critical role of edge functionalization. Carbon, 2016, 99, 444-450.	5.4	83
933	Modeling of carbon nanotubes and carbon nanotubeâ€“polymer composites. Progress in Aerospace Sciences, 2016, 80, 33-58.	6.3	77

#	Article	IF	Citations
934	The effect of polymer spatial configuration on the microwave absorbing properties of non-covalent modified MWNTs. Composites Part A: Applied Science and Manufacturing, 2016, 81, 264-270.	3.8	9
935	Effects of the reduction of PAni-coated oxidized multiwall carbon nanotubes on the positive temperature coefficient behaviors of their carbon black/high density polyethylene composites. Polymer Testing, 2016, 50, 83-93.	2.3	18
936	Nanocomposites. Advanced Structured Materials, 2016, , 65-115.	0.3	0
937	Toughening of Polylactic Acid: An Overview of Research Progress. Polymer-Plastics Technology and Engineering, 2016, 55, 1623-1652.	1.9	89
938	Polymer Dispersed Liquid Crystals. , 2016, , 195-250.		17
939	Kinetic analysis of the non-isothermal degradation of high-density polyethylene filled with multi-wall carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1523-1544.	2.0	34
940	Influence of the wetting behavior and surface energy on the dispersibility of multi-wall carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 57-66.	2.3	25
941	Potential of irradiated high density polyethylene/ethylene propylene rubber-carbon nanotube nanocomposite as shoe sole. Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology, 2016, 230, 100-110.	0.4	1
942	Accelerated aging investigation of high voltage EPDM/silica composite insulators. Journal of Polymer Engineering, 2016, 36, 199-209.	0.6	22
943	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
944	Comparative Review on Structure, Properties, Fabrication Techniques, and Relevance of Polymer Nanocomposites Reinforced with Carbon Nanotube and Graphite Fillers. Polymer-Plastics Technology and Engineering, 2016, 55, 171-198.	1.9	48
945	Solutions for Clamped Adhesively Bonded Single Lap Joint With Movement of Support End and Its Application to a Carbon Nanotube Junction in Tension. Journal of Adhesion, 2016, 92, 349-379.	1.8	10
946	Effects of multiwalled carbon nanotube mass fraction on microstructures and electrical resistivity of polycarbonate-based conductive composites. Science and Engineering of Composite Materials, 2017, 24, 163-175.	0.6	4
947	A comparative study on dispersion of carbon nanotubes in (styrene-butadiene rubber)-based nanocomposites. Journal of Vinyl and Additive Technology, 2017, 23, 28-34.	1.8	8
948	Effect of annealing at room temperature on the surface resistivity of elastomer/multiwalled carbon nanotube nanocomposites. Polymer Composites, 2017, 38, E525.	2.3	2
949	Stability and vibration analyses of carbon nanotube-reinforced composite beams with elastic boundary conditions: Chebyshev collocation method. Mechanics of Advanced Materials and Structures, 2017, 24, 260-270.	1.5	14
950	Quantitative analysis of MWCNT agglomeration in polericâ€based membranes using atomic force microscope. Surface and Interface Analysis, 2017, 49, 55-62.	0.8	10
951	The role of multi-walled carbon nanotubes in epoxy nanocomposites and resin transfer molded glass fiber hybrid composites: Dispersion, local distribution, thermal, and fracture/mechanical properties. Polymer Composites, 2017, 38, 1849-1863.	2.3	16

#	Article	IF	Citations
952	Graphoepitaxial assembly of carbon nanotubes on polysynthetic twins assisted by synergistic secondary interactions. Materials Today Communications, 2017, 10, 95-104.	0.9	1
953	Vibration characteristics of three-dimensional metallic carbon nanostructures with interlocking hexagons pattern (T6 and T14): A molecular dynamics study. Computational Materials Science, 2017, 128, 81-86.	1.4	7
954	Development of CNTs-filled photopolymer for projection stereolithography. Rapid Prototyping Journal, 2017, 23, 129-136.	1.6	26
955	A fundamental investigation of the surfactant-stabilized single-walled carbon nanotube/epoxy resin suspensions by molecular dynamics simulation. Materials Research Express, 2017, 4, 015016.	0.8	9
956	Advances in Production and Applications of Carbon Nanotubes. Topics in Current Chemistry, 2017, 375, 18.	3.0	64
957	Oligoaniline assisted dispersion of carbon nanotubes in epoxy matrix for achieving the nanocomposites with enhanced mechanical, thermal and tribological properties. Chinese Journal of Polymer Science (English Edition), 2017, 35, 446-454.	2.0	10
958	Weakening effect of nickel catalyst particles on the mechanical strength of the carbon nanotube/carbon fiber junction. Carbon, 2017, 115, 589-599.	5.4	21
959	Processing and characterization of MWCNTs/epoxy nanocomposites thin films for strain sensing applications. Sensors and Actuators A: Physical, 2017, 257, 65-72.	2.0	47
960	Noncovalent functionalization of boron nitride and its effect on the thermal conductivity of polycarbonate composites. Journal of Applied Polymer Science, 2017, 134, .	1.3	15
961	Polylactic Acid Green Nanocomposites for Automotive Applications. Green Energy and Technology, 2017, , 193-208.	0.4	8
962	Synthesis and Characterization of Dielectric Elastomer Nanocomposites Filled With Multiwalled Carbon Nanotubes. Journal of Engineering Materials and Technology, Transactions of the ASME, 2017, 139, .	0.8	3
963	Molecular dynamics of laser-assisted decomposition of unstable molecules at the surface of carbon nanotubes: case study of CH2(NO2)2 on CNT(4,0). Molecular Physics, 2017, 115, 674-682.	0.8	10
964	Nanocomposites for Extrinsic Self-healing Polymer Materials. Springer Series on Polymer and Composite Materials, 2017, , 243-279.	0.5	2
965	Evaluation of microstructure and mechanical performance of CNT-reinforced cementitious composites at elevated temperatures. Composites Part A: Applied Science and Manufacturing, 2017, 95, 286-293.	3.8	53
966	Polybenzoxazine Nanocomposites. , 2017, , 767-800.		6
967	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
968	An electrical solid-state sulphur dioxide vapour sensor based on a polyvinyl alcohol formaldehyde composite. Journal of Materials Chemistry C, 2017, 5, 2871-2882.	2.7	8
969	Manipulating selective dispersion of reduced graphene oxide in polycarbonate/nylon 66 based blend nanocomposites for improved thermo-mechanical properties. RSC Advances, 2017, 7, 22145-22155.	1.7	11

#	Article	IF	Citations
970	Optimization of mixing process and effect of multi-walled carbon nanotubes on tensile properties of unsaturated polyester resin in composite materials. Journal of Mechanical Science and Technology, 2017, 31, 1621-1627.	0.7	3
971	Tube-like natural halloysite/poly(tetrafluoroethylene) nanocomposites: simultaneous enhancement in thermal and mechanical properties. Materials Research Express, 2017, 4, 045301.	0.8	4
972	Effect of MWCNT Composition on the Hardness of PP/MWCNT Composites. Materials Today: Proceedings, 2017, 4, 3867-3871.	0.9	12
973	A graphene/graphite-based conductive polyamide 12 interlayer for increasing the fracture toughness and conductivity of carbon-fiber composites. Journal of Composite Materials, 2017, 51, 2879-2887.	1.2	19
974	Numerical and experimental study of radiation induced conductivity change of carbon nanotube filled polymers. Nanotechnology, 2017, 28, 255501.	1.3	3
975	Process optimization of functionalized MWCNT/polyetherimide nanocomposites for aerospace application. Materials and Design, 2017, 127, 193-203.	3.3	68
976	Recent advances in covalent functionalization of carbon nanomaterials with polymers: Strategies and perspectives. Journal of Polymer Science Part A, 2017, 55, 622-631.	2.5	49
977	Nanoporous nanocomposite membranes via hybrid twin-screw extrusionâ€"multijet electrospinning. Nanotechnology, 2017, 28, 025301.	1.3	5
978	Studies of nanocomposites based on carbon nanomaterials and RTV silicone rubber. Journal of Applied Polymer Science, 2017, 134, .	1.3	51
979	Carbon Fibre-Reinforced Polymer Laminates with Nanofiller-Enhanced Multifunctionality. , 2017, , 171-197.		3
980	Phase specific dispersion of functional nanoparticles in soft nanocomposites resulting in enhanced electromagnetic screening ability dominated by absorption. Physical Chemistry Chemical Physics, 2017, 19, 467-479.	1.3	30
981	Competition between supernucleation and plasticization in the crystallization and rheological behavior of PCL/CNT-based nanocomposites and nanohybrids. Journal of Polymer Science, Part B: Polymer Physics, 2017, 55, 1310-1325.	2.4	15
982	Construction and characterization a non-amalgamation voltammetric flow sensor for online simultaneous determination of lead and cadmium ions. Sensors and Actuators B: Chemical, 2017, 253, 124-136.	4.0	26
983	Preliminary techno-economic and environmental assessment of thickness dependent physical aging in oxygen enriched combustion using polymeric membranes. Journal of Cleaner Production, 2017, 162, 914-937.	4.6	16
984	A review of progress in the ecological application of ionic liquids in textile processes. Journal of Cleaner Production, 2017, 161, 105-126.	4.6	64
985	Mixing sequence driven controlled dispersion of graphene oxide in PC/PMMA blend nanocomposite and its effect on thermo-mechanical properties. Current Applied Physics, 2017, 17, 1158-1168.	1.1	37
986	Anisotropic Percolation of SiCâ€"Carbon Nanotube Hybrids: A New Route toward Thermally Conductive High-k Polymer Composites. Journal of Physical Chemistry C, 2017, 121, 12063-12070.	1.5	34
987	Recent advances of conductive nanocomposites in printed and flexible electronics. Smart Materials and Structures, 2017, 26, 083001.	1.8	62

#	Article	IF	Citations
988	Novel biomimetic composite material for potentiometric screening of acetylcholine, a neurotransmitter in Alzheimer's disease. Materials Science and Engineering C, 2017, 79, 541-549.	3.8	24
989	Effect of pre and Post-Dispersion on Electro-Thermo-Mechanical Properties of a Graphene Enhanced Epoxy. Applied Composite Materials, 2017, 24, 313-336.	1.3	28
990	Enhanced mechanical properties of chitosan/nanodiamond composites by improving interphase using thermal oxidation of nanodiamond. Carbohydrate Polymers, 2017, 167, 219-228.	5.1	33
991	Ultrahigh Self-Sensing Performance of Geopolymer Nanocomposites via Unique Interface Engineering. ACS Applied Materials & Interfaces, 2017, 9, 12851-12858.	4.0	63
992	Vinyl Ester (BisGMA)/SEBS/f-MWCNTs Based Nanocomposites: Preparation and Applications. Advanced Structured Materials, 2017, , 177-197.	0.3	0
993	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
994	Carrier transport of carbon nanotube embedded organic semiconductor composite. Materials Research Bulletin, 2017, 90, 232-236.	2.7	5
995	Enhancing Mechanical Properties of Nanocomposites Using Interconnected Carbon Nanotubes (iCNT) as Reinforcement. Advanced Engineering Materials, 2017, 19, 1600499.	1.6	7
996	Electrospun Polymer Scaffolds: Their Biomedical and Mechanical Properties. Springer Series in Biomaterials Science and Engineering, 2017, , 237-270.	0.7	1
997	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
998	Uniaxial deformation of polystyreneâ€“silica nanocomposites studied by hybrid molecular dynamicsâ€“finite element simulations. Computational Materials Science, 2017, 129, 1-12.	1.4	19
999	Constructing a special â€˜sosatieâ€™ structure to finely dispersing MWCNT for enhanced electrical conductivity, ultra-high dielectric performance and toughness of iPP/OBC/MWCNT nanocomposites. Composites Science and Technology, 2017, 139, 17-25.	3.8	51
1000	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers. Polymer, 2017, 110, 1-11.	1.8	59
1001	Aerospace Application of Polymer Nanocomposite with Carbon Nanotube, Graphite, Graphene Oxide, and Nanoclay. Polymer-Plastics Technology and Engineering, 2017, 56, 1438-1456.	1.9	96
1002	Preparation and characterization of novel functionalized multiwalled carbon nanotubes/chitosan/Î²-Glycerophosphate scaffolds for bone tissue engineering. International Journal of Biological Macromolecules, 2017, 97, 365-372.	3.6	97
1003	Carbon Nanotube/Graphene Nanoribbon/Polyvinylidene Fluoride Hybrid Nanocomposites: Rheological and Dielectric Properties. Journal of Physical Chemistry C, 2017, 121, 169-181.	1.5	65
1004	Functionalization of carbon nanomaterials for advanced polymer nanocomposites: A comparison study between CNT and graphene. Progress in Polymer Science, 2017, 67, 1-47.	11.8	491
1005	Degradation in Mechanical and Thermal Properties of Partially Aligned CNT/Epoxy Composites due to Seawater Absorption. IOP Conference Series: Materials Science and Engineering, 2017, 178, 012027.	0.3	3

#	Article	IF	Citations
1006	Electrical behaviour of carbon nanotubes under low-energy proton irradiation. Journal of Nuclear Materials, 2017, 495, 299-305.	1.3	8
1007	Critical rubber layer thickness of core-shell particles with a rigid core and a soft shell for toughening of epoxy resins without loss of elastic modulus and strength. Composites Science and Technology, 2017, 153, 253-260.	3.8	33
1008	Repair Mortars Incorporating Multiwalled Carbon Nanotubes: Shrinkage and Sodium Sulfate Attack. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	34
1009	Assessing local yield stress and fracture toughness of carbon nanotube poly(methyl methacrylate) composite by nanosectioning. Composites Science and Technology, 2017, 153, 95-102.	3.8	8
1010	Carbonaceous-TiO2 nanomaterials for photocatalytic degradation of pollutants: A review. Ceramics International, 2017, 43, 14552-14571.	2.3	288
1011	Adhesives with Nanoparticles. , 2017, , 1-27.		0
1012	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
1013	Aligning carbon nanofibres in glass-fibre/epoxy composites to improve interlaminar toughness and crack-detection capability. Composites Science and Technology, 2017, 152, 46-56.	3.8	54
1014	Nanocarbon materials for nanocomposite cement mortars. Materials Today: Proceedings, 2017, 4, 6938-6947.	0.9	11
1015	Experimental and mechanical analysis of cementâ€“nanotube nanocomposites. Bulletin of Materials Science, 2017, 40, 819-829.	0.8	2
1016	Nanoscience of Cement and Concrete. Materials Today: Proceedings, 2017, 4, 5478-5487.	0.9	71
1017	Thermal properties of polyethylene glycol/carbon microsphere composite as a novel phase change material. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1741-1749.	2.0	34
1018	A review of properties influencing the conductivity of CNT/Cu composites and their applications in wearable/flexible electronics. Journal of Materials Chemistry C, 2017, 5, 9209-9237.	2.7	51
1019	Recent advances and applications of polydopamine-derived adsorbents for sample pretreatment. TrAC - Trends in Analytical Chemistry, 2017, 97, 1-14.	5.8	66
1020	Quasi-Z-directional toughening from un-bonded non-woven veil at interface in laminar composites. Composites Communications, 2017, 6, 20-24.	3.3	26
1021	One-step carbon nanotubes grafting with styrene-co-acrylonitrile by reactive melt blending for electrospinning of conductive reinforced composite membranes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 667-677.	1.0	5
1023	Plasticisation and compatibilisation of poly(propylene) with poly(lauryl acrylate) surface modified MWCNTs. Polymer, 2017, 133, 89-101.	1.8	8
1024	Preparation of cellulose/multi-walled carbon nanotube composite membranes with enhanced conductive property regulated by ionic liquids. Fibers and Polymers, 2017, 18, 1780-1789.	1.1	9

#	Article	IF	Citations
1025	Cobalt Catalyst Grown Carbon Nanotube/Poly(Vinylidene Fluoride) Nanocomposites: Effect of Synthesis Temperature on Morphology, Electrical Conductivity and Electromagnetic Interference Shielding. ChemistrySelect, 2017, 2, 10271-10284.	0.7	34
1026	Effect of functionalized CNTs and liquid crystalline polymer on thermo-oxidative stability of polyethylene-based hybrid composites. Journal of Thermal Analysis and Calorimetry, 2017, 128, 235-247.	2.0	5
1027	Unexpected thermal annealing effects on the viscosity of polymer nanocomposites. Soft Matter, 2017, 13, 5341-5354.	1.2	16
1028	Self-Organized Micro-Spiral of Single-Walled Carbon Nanotubes. Scientific Reports, 2017, 7, 5267.	1.6	12
1029	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
1030	Effect of ultrasonication on the properties of multi-walled carbon nanotubes/ hollow glass microspheres/epoxy syntactic foam. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 709-712.	0.4	4
1031	Electronic Polymer Composite. , 2017, , 107-149.		2
1032	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
1033	Melt rheological properties of ethylene-vinyl acetate/multi-walled carbon nanotube composites. Composites Part B: Engineering, 2017, 110, 20-31.	5.9	33
1034	Short Carbon Fiber-Reinforced Polycarbonate Composites. , 2017, , 199-221.		1
1035	Stimuli-Responsive Materials From Carbon Nanotubes. , 2017, , 151-178.		1
1036	Enhancement of glucose oxide electron-transfer mechanism in glucose biosensor via optimum physical chemistry of functionalized carbon nanotubes. Reviews in Chemical Engineering, 2017, 33, 201-215.	2.3	7
1037	Engineering nanocomposite membranes: Addressing current challenges and future opportunities. Desalination, 2017, 401, 1-15.	4.0	91
1038	The effects of carbon nanotubes, blend composition and glycidyl methacrylate-grafted polypropylene compatibilizer on the morphology, mechanical and electrical properties of polypropylene-polyamide 6 blends. Polymer Bulletin, 2017, 74, 1573-1593.	1.7	12
1039	Nanofillers in Polymers. , 2017, , 47-86.		22
1040	Simulation of dispersion and alignment of carbon nanotubes in polymer flow using dissipative particle dynamics. Computational Materials Science, 2017, 126, 35-42.	1.4	32
1041	Synthesis and characterization of nanocomposites based on PANI and carbon nanostructures prepared by electropolymerization. Materials Chemistry and Physics, 2017, 185, 83-90.	2.0	25
1042	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

#	Article	IF	Citations
1043	Effects of thermal annealing on SEBS/MWCNTs temperature-sensitive nanocomposites for the measurement of skin temperature. Materials Chemistry and Physics, 2017, 186, 456-461.	2.0	15
1044	The use of cryogenic milling to prepare high performance Al2009 matrix composites with dispersive carbon nanotubes. Materials and Design, 2017, 114, 373-382.	3.3	34
1045	Mwcnts-PSOH Dispersion and Interaction Using Low Magnetic Fields. MRS Advances, 2017, 2, 3891-3897.	0.5	1
1046	Carbon nano fibers reinforced composites origami inspired mechanical metamaterials with passive and active properties. Smart Materials and Structures, 2017, 26, 105039.	1.8	13
1047	Conducting Polyurethane Composites. , 2017, , 365-399.		3
1048	Ultrafast soliton mode-locked Zirconia-based Erbium-doped fiber laser with carbon nanotubes saturable absorber. IOP Conference Series: Materials Science and Engineering, 2017, 210, 012051.	0.3	0
1049	The influence of carbon nanotubes on the properties of water solutions and fresh cement pastes. IOP Conference Series: Materials Science and Engineering, 2017, 251, 012023.	0.3	3
1050	Effect of Graphite Nanoplate Morphology on the Dispersion and Physical Properties of Polycarbonate Based Composites. Materials, 2017, 10, 545.	1.3	27
1051	Industrial-Graded Epoxy Nanocomposites with Mechanically Dispersed Multi-Walled Carbon Nanotubes: Static and Damping Properties. Materials, 2017, 10, 1222.	1.3	13
1052	Effects of Various Surfactants on the Dispersion of MWCNTsâ€“OH in Aqueous Solution. Nanomaterials, 2017, 7, 262.	1.9	74
1053	Poly(lactic acid) Composites Containing Carbon-Based Nanomaterials: A Review. Polymers, 2017, 9, 269.	2.0	109
1054	Effects of Reorientation of Graphene Platelets (GPLs) on Youngâ€™s Modulus of Polymer Nanocomposites under Uni-Axial Stretching. Polymers, 2017, 9, 532.	2.0	27
1055	Dispersion of High Concentrations of Carbon Nanofibers in Portland Cement Mortars. Journal of Nanomaterials, 2017, 2017, 1-11.	1.5	4
1056	Influence of chemical admixtures on the dispersion of carbon nanotubes in water and cement pastes. IOP Conference Series: Materials Science and Engineering, 2017, 182, 012029.	0.3	7
1057	Alginate-Based Hybrid Nanocomposite Materials. , 2017, , 603-648.		7
1058	Recent progress and perspectives on biofunctionalized CNT hybrid polymer nanocomposites. , 2017, , 311-341.		4
1059	A molecular dynamics study on the thermal conductivity of endohedrally functionalized single-walled carbon nanotubes with gold nanowires. European Physical Journal D, 2018, 72, 1.	0.6	23
1060	Morphology correlated free volume studies of multi-walled carbon nanotube plasticized poly (vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	18

#	Article	IF	Citations
1061	Crystallization Behavior of Poly(ethylene oxide) in Vertically Aligned Carbon Nanotube Array. Langmuir, 2018, 34, 3678-3685.	1.6	10
1062	Effect of multi-walled carbon nanotube addition on the microstructures and mechanical properties of Ti(C,N)-based cermets. Journal of Advanced Ceramics, 2018, 7, 58-63.	8.9	11
1063	Evaluation of the Reinforcement Efficiency of Low-Cost Graphite Nanomaterials in High-Performance Concrete. KSCE Journal of Civil Engineering, 2018, 22, 3875-3882.	0.9	16
1064	Composite Reinforcement by Magnetic Control of Fiber Density and Orientation. ACS Applied Materials & Interfaces, 2018, 10, 16802-16811.	4.0	9
1065	Microstructure evolution and self-assembling of CNT networks during mechanical stretching and mechanical properties of highly aligned CNT composites. Composites Science and Technology, 2018, 166, 125-130.	3.8	40
1066	Thermoâ€mechanical characterization of shapeâ€memory polyurethane nanocomposites filled with carbon nanotubes and graphene nanosheets. Polymer Composites, 2018, 39, E1216.	2.3	11
1067	Tunable piezoelectric performance of flexible PVDF based nanocomposites from MWCNTs/graphene/MnO2 three-dimensional architectures under low poling electric fields. Composites Part A: Applied Science and Manufacturing, 2018, 107, 536-544.	3.8	39
1068	Research for waterborne polyurethane/composites with heat transfer performance: a review. Polymer Bulletin, 2018, 75, 4823-4836.	1.7	16
1069	Investigation of an Optimum Concentration for Nano-Silica Used as an Adhesive Bonding Strength Enhancer. Journal of Failure Analysis and Prevention, 2018, 18, 315-321.	0.5	4
1070	Structureâ€“property relationships of fatty acid swollen, crosslinked natural rubber shape memory polymers. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 673-688.	2.4	25
1071	Effect of High Magnetic Pulse Iteration on Electrical Property of CNT-Polypyrrole Composite: Alignment Mechanism. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2889-2896.	0.8	2
1072	Effects of nanofillers on the characteristics and performance of PEBA-based mixed matrix membranes. Reviews in Chemical Engineering, 2018, 34, 797-836.	2.3	29
1073	Dissipative Particle Dynamics Study of SWCNT Reinforced Natural Rubber Composite System: An Important Role of Selfâ€Avoiding Model on Mechanical Properties. Macromolecular Theory and Simulations, 2018, 27, 1700093.	0.6	9
1074	Preparation of organic-inorganic hybrid nanocomposites from chemically modified epoxy and novolac resins and silica-attached carbon nanotubes by sol-gel process: Investigation of thermal degradation and stability. Progress in Organic Coatings, 2018, 117, 154-165.	1.9	64
1075	Mechanical and Thermal Properties of Multi-scale Carbon Nanotubesâ€“Carbon Fiberâ€“Epoxy Composite. Arabian Journal for Science and Engineering, 2018, 43, 5937-5948.	1.7	35
1076	Introduction of Electrohydrodynamic Printing. , 2018, , 1-29.		0
1077	Multi-walled carbon nanotube reinforced self-crosslinking hydrogenated carboxylated nitrile butadiene rubber latex film with improved properties. Plastics, Rubber and Composites, 2018, 47, 72-76.	0.9	3
1078	Mapping carbon nanotube orientation by fast fourier transform of scanning electron micrographs. Carbon, 2018, 137, 78-87.	5.4	35

#	Article	IF	Citations
1079	Molecular dynamics simulations of the thermal conductivity of cross-linked functionalized single- and double-walled carbon nanotubes with polyethylene chains. Diamond and Related Materials, 2018, 86, 173-178.	1.8	26
1080	Effect on Mechanical Properties of Carbon Nanotube Based Composite. Materials Today: Proceedings, 2018, 5, 7725-7734.	0.9	14
1081	Functionalized MWCNTs modified flame retardant PLA nanocomposites and cold rolling process for improving mechanical properties. Composites Science and Technology, 2018, 161, 39-49.	3.8	69
1082	Nanocomposites based on tubular and onion nanostructures of molybdenum and tungsten disulfides: inorganic design, functional properties and applications. Russian Chemical Reviews, 2018, 87, 251-271.	2.5	15
1083	Impregnation of multiwall carbon nanotubes in alginate beads dramatically enhances their adsorptive ability to aqueous methylene blue. Chemical Engineering Research and Design, 2018, 133, 235-242.	2.7	55
1084	Colloidal polymer composites: Are nano-fillers always better for improving mechanical properties?. Journal of Colloid and Interface Science, 2018, 523, 45-55.	5.0	15
1085	Polyvinyl alcohol reinforced with carbon nanotubes for fused deposition modeling. Journal of Reinforced Plastics and Composites, 2018, 37, 716-727.	1.6	20
1086	Recent advances and remaining challenges for polymeric nanocomposites in healthcare applications. Progress in Polymer Science, 2018, 80, 1-38.	11.8	155
1087	Green nanofillers: Plant virus reinforcement in hydrophilic polymer nanocomposites. Polymer, 2018, 142, 72-79.	1.8	2
1088	Carbon nanofibers in polyurethane foams: Experimental evaluation of thermo-hygrometric and mechanical performance. Polymer Testing, 2018, 67, 234-245.	2.3	15
1089	Enhancing the Thermal Characteristics of Shapeâ€Stabilized Phase Change Nanocomposite Nanofibers by Incorporation of Multiwalled Carbon Nanotubes within the Nanofibrous Structure. Advances in Polymer Technology, 2018, 37, 185-193.	0.8	17
1090	Comparison of the Dielectric Response of Hybrid Polymer Composites Filled with Oneâ€Dimensional and Twoâ€Dimensional Carbonaceous Materials in the Microwave Range. Advances in Polymer Technology, 2018, 37, 890-897.	0.8	5
1091	Static and Dynamic Behavior of Fibrous Polymeric Composite Materials at Different Environmental Conditions. Journal of Polymers and the Environment, 2018, 26, 1024-1050.	2.4	36
1092	Multi-walled carbon nanotubes modified by polyaniline for the removal of alizarin yellow R from aqueous solutions. Adsorption Science and Technology, 2018, 36, 198-214.	1.5	24
1093	Polyanilineâ€“Carbon Nanotube Composites: Preparation Methods, Properties, and Applications. Polymer-Plastics Technology and Engineering, 2018, 57, 70-97.	1.9	69
1094	The stability and dispersion of carbon nanotube-polymer solutions: A molecular dynamics study. Journal of Industrial Textiles, 2018, 47, 1568-1583.	1.1	8
1095	Processing and characterization of thermoplastic nanocomposite fibers of hot melt copolyamide and carbon nanotubes. Journal of Thermoplastic Composite Materials, 2018, 31, 359-375.	2.6	7
1096	Effect of High-Gradient Magnetic Field on Electrical Property of Carbon Nanotube-Polypyrrole Composite; Nanotube Separation Mechanism. Journal of Superconductivity and Novel Magnetism, 2018, 31, 327-336.	0.8	1

#	Article	IF	Citations
1097	Highly ordered structured montmorillonite/brominated butyl rubber nanocomposites: Dramatic enhancement of the gas barrier properties by an external magnetic field. Journal of Membrane Science, 2018, 546, 22-30.	4.1	26
1098	Carbon Nanotubes: Synthesis, Characterization, and Applications. , 2018, , 3-35.		8
1099	Thickness dependent penetrant gas transport properties and separation performance within ultrathin polysulfone membrane: Insights from atomistic molecular simulation. Journal of Polymer Science, Part B: Polymer Physics, 2018, 56, 131-158.	2.4	14
1100	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
1101	Construction of a glassy carbon ibuprofen electrode modified with multi-walled carbon nanotubes and cyclodextrins. Sensors and Actuators B: Chemical, 2018, 255, 2282-2289.	4.0	24
1102	Polymer composite hydrogels containing carbon nanomaterialsâ€"Morphology and mechanical and functional performance. Progress in Polymer Science, 2018, 77, 1-18.	11.8	101
1103	Investigating mechanical, thermal, and flammability properties of thermoplastic polyurethane/carbon nanotube composites. Journal of Thermoplastic Composite Materials, 2018, 31, 1661-1675.	2.6	42
1104	Influence of chemical functionalization of carbon nanotubes on their dispersibility in alkyl methacrylate polymer matrix. Journal of Applied Polymer Science, 2018, 135, 46113.	1.3	2
1105	Polyanilineâ€"Nanomaterial Composites. , 2018, , 305-325.		3
1106	In Situ Alloying of Thermally Conductive Polymer Composites by Combining Liquid and Solid Metal Microadditives. ACS Applied Materials & Interfaces, 2018, 10, 2083-2092.	4.0	102
1107	A new electroactive polymer based on carbon nanotubes and carbon grease as compliant electrodes for electroactive actuators. Journal of Intelligent Material Systems and Structures, 2018, 29, 1520-1530.	1.4	10
1108	Enhancement of Dielectric Constant of Grapheneâ€"Epoxy Composite by Inclusion of Nanodiamond Particles. Journal of Electronic Materials, 2018, 47, 1713-1720.	1.0	7
1109	A Review of Natural Rubber Nanocomposites Based on Carbon Nanotubes. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2018, 21, 293-310.	0.4	29
1110	The in-plane electrical conductivity: the rotation parameters effect on producing graphite/epoxy composites. MATEC Web of Conferences, 2018, 248, 01009.	0.1	0
1111	Enhanced carbon nanotubes dispersion in epoxy matrices using a CNT tailored block copolymer. Science and Technology of Materials, 2018, 30, 87-92.	0.8	0
1112	Poly(Dimethylbenzimidazolium) Iodide Assisted Dispersion of Multiwalled Carbon Nanotubes and Their Palladium Nanoparticle Hybrid. Journal of Shanghai Jiaotong University (Science), 2018, 23, 132-136.	0.5	0
1113	Highly thermally conductive flame retardant epoxy nanocomposites with multifunctional ionic liquid flame retardant-functionalized boron nitride nanosheets. Journal of Materials Chemistry A, 2018, 6, 20500-20512.	5.2	123
1114	Highly Anisotropic Polymer Composites Based on Carbon Nanotubes. , 0, , .		1

#	Article	IF	Citations
1115	EFFECT OF CNTS ON THE ELECTRICAL AND MECHANICAL PROPERTIES OF POLYMERIC COMPOSITE AS PEM FUEL CELL BIPOLAR PLATE. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.3	3
1116	Synthesis of polyvinyl alcohol (PVA) infiltrated MWCNTs buckypaper for strain sensing application. Scientific Reports, 2018, 8, 17295.	1.6	59
1117	The Effect of Nano Loading and Ultrasonic Compounding of EVA/LDPE/Nano-magnesium Hydroxide on Mechanical Properties and Distribution of Nano Particles. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012062.	0.3	0
1118	Manufacturing of Polymeric Substrates with Copper Nanofillers through Laser Stereolithography Technique. Polymers, 2018, 10, 1325.	2.0	8
1119	Graphene Reinforced Composites as Protective Coatings for Oil and Gas Pipelines. Nanomaterials, 2018, 8, 1005.	1.9	41
1120	Multiscale simulations of critical interfacial failure in carbon nanotube-polymer composites. Journal of Chemical Physics, 2018, 149, 224102.	1.2	3
1121	Currentâ€“Voltage Hysteresis Behavior of PVA-Assisted Functionalized Single-Walled Carbon Nanotube Free-Standing Film. Journal of Physical Chemistry C, 2018, 122, 29094-29105.	1.5	17
1122	Preparation and Thermoelectric Properties of Graphite/poly(3,4-ethyenedioxythiophene) Nanocomposites. Energies, 2018, 11, 2849.	1.6	15
1123	Improvement of the Impact Properties of Composite Laminates by Means of Nano-Modification of the Matrixâ€”A Review. Applied Sciences (Switzerland), 2018, 8, 2406.	1.3	50
1124	Nanotube-reinforced facilitated transport membrane for CO2/N2 separation with vacuum operation. Journal of Membrane Science, 2018, 567, 261-271.	4.1	71
1125	Electrically-Responsive Reversible Polyketone/MWCNT Network through Diels-Alder Chemistry. Polymers, 2018, 10, 1076.	2.0	19
1126	Polyvinylpyrrolidone/Carbon Nanotube/Cotton Functional Nanocomposite: Preparation and Characterization of Properties. Fibers and Polymers, 2018, 19, 1940-1947.	1.1	24
1127	Thermoplastic Elastomer Systems Containing Carbon Nanofibers as Soft Piezoresistive Sensors. ACS Omega, 2018, 3, 12648-12657.	1.6	22
1128	Mechanical Properties of Polyethylene-Carbon Nanotube Composites Synthesized by In Situ Polymerization Using Metallocene Catalysts. Advances in Materials Science and Engineering, 2018, 2018, 1-5.	1.0	11
1129	Scalable Approach to Construct Self-Assembled Graphene-Based Films with An Ordered Structure for Thermal Management. ACS Applied Materials & Interfaces, 2018, 10, 41690-41698.	4.0	32
1130	Artificial Bicontinuous Laminate Synergistically Reinforces and Toughens Dilute Graphene Composites. ACS Nano, 2018, 12, 11236-11243.	7.3	31
1131	Processing Nanocomposites Based on Engineering Polymers: Polyamides and Polyimides. Springer Series in Materials Science, 2018, , 27-73.	0.4	0
1132	The effect of multi-walled carbon nanotubes on the rheological properties and hydration process of cement pastes. Construction and Building Materials, 2018, 189, 947-954.	3.2	29

#	Article	IF	Citations
1133	The role of the solvent and the size of the nanotube in the non-covalent dispersion of carbon nanotubes with short organic oligomers â€“ a DFT study. RSC Advances, 2018, 8, 30520-30529.	1.7	11
1134	Investigation on Properties of Polypropylene/Multi-walled Carbon Nanotubes Nanocomposites Prepared by a Novel Eccentric Rotor Extruder Based on Elongational Rheology. Journal of Macromolecular Science - Physics, 2018, 57, 348-363.	0.4	9
1135	A study on synergistic reinforcing effect of halloysite nanotubes/diatomite mixture-filled polymer (PP) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	8
1136	Nanodiamond reinforcement in polyamide and polyimide matrices: Fundamentals and applications. Journal of Plastic Film and Sheeting, 2018, 34, 439-458.	1.3	19
1137	Effect of elastic modulus mismatch of epoxy/titanium dioxide coated silver nanowire composites on the performance of thermal conductivity. Composites Science and Technology, 2018, 165, 206-213.	3.8	43
1138	The effect of clay dispersion on polypropylene nanocomposites: Physico-mechanical, thermal, morphological, and optical properties. , 2018, , 201-257.		3
1139	The effect of fluorosilicone modifiers on the carbon nanotube networks in epoxy matrix. Journal of Applied Polymer Science, 2018, 135, 46539.	1.3	7
1140	Multiwalled Carbon nanotubes/hydroxyapatite nanoparticles incorporated GTR membranes. , 2018, , 181-209.		1
1141	Structure-property relationships of thermoset nanocomposites. , 2018, , 231-276.		6
1142	Carbon nanotubes reinforced reactive powder concrete. Composites Part A: Applied Science and Manufacturing, 2018, 112, 371-382.	3.8	68
1143	Vibrationally directed assembly of micro- and nanoparticle-polymer composites. Chemical Engineering Science, 2018, 192, 1209-1217.	1.9	12
1144	Improving the mechanical properties of Fe₃O₄/carbon nanotube reinforced nanocomposites by a low-magnetic-field induced alignment. Journal of Polymer Engineering, 2018, 38, 731-738.	0.6	8
1145	Polymer-based nanocomposites for significantly enhanced dielectric properties and energy storage capability. , 2018, , 131-183.		4
1146	Analysis of chemical polymerization between functionalized MWCNT and poly(furfuryl alcohol) composite. Polimeros, 2018, 28, 15-22.	0.2	19
1147	Assessment of High Thermal Effects on Carbon Nanotube (Cnt)- Reinforced Concrete. Scientific Reports, 2018, 8, 11243.	1.6	19
1148	Polymer wrapping versus well-oriented crystal growth of polythiophenes onto multi-wall carbon nanotubes via surface chemical modification and regioregularity deliberation. New Journal of Chemistry, 2018, 42, 14469-14480.	1.4	15
1149	Effects of Reorientation of Graphene Platelets (GPLs) on Youngâ€™s Modulus of Polymer Composites under Bi-Axial Stretching. Nanomaterials, 2018, 8, 27.	1.9	28
1150	Multifunctional Polymer Nanocomposites Reinforced by Aligned Carbon Nanomaterials. Polymers, 2018, 10, 542.	2.0	74

#	Article	IF	Citations
1151	The effects of octadecylamine functionalized multi-wall carbon nanotubes on the conductive and mechanical properties of ultra-high molecular weight polyethylene. Journal of Polymer Research, 2018, 25, 1.	1.2	11
1152	Enhanced electromagnetic interference shielding and mechanical properties of foamed epoxy nanocomposites containing carbon nanofiber treated with silicone surfactant. Journal of Applied Polymer Science, 2018, 135, 46833.	1.3	14
1153	Electric Field Induced Alignment of Carbon Nanotubes: Methodology and Outcomes. , 0, , .		11
1154	Engineering of oriented carbon nanotubes in composite materials. Beilstein Journal of Nanotechnology, 2018, 9, 415-435.	1.5	25
1155	Interfacial characteristics of carbon nanotube-polymer composites: A review. Composites Part A: Applied Science and Manufacturing, 2018, 114, 149-169.	3.8	142
1156	Effect of aligning graphene oxide nanoplatelets using direct current electric field on fracture behaviour of adhesives. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 2514-2529.	1.7	18
1157	6.1 Micromechanics of Nanocomposites. , 2018, , 1-27.		0
1158	6.7 Electrospun Polymer Nanofibers and Their Composites. , 2018, , 162-200.		12
1159	Thermally Conductive Dielectric Polymer Materials for Energy Storage. , 2018, , 323-349.		3
1160	Probing of polymer to carbon nanotube surface interactions within highly aligned electrospun nanofibers for advanced composites. Carbon, 2018, 138, 207-214.	5.4	18
1161	High-efficiency surfactant prepared from phenolic resin for multi-walled carbon nanotube aqueous suspension. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	2
1162	Adhesives with Nanoparticles. , 2018, , 1677-1702.		1
1163	Process-Structure-Property Relationship in Polymer Nanocomposites. , 2018, , 25-100.		7
1164	Smart dispersion: Validation of OCT and impedance spectroscopy as solutions for in-situ dispersion analysis of CNP/EP-composites. Materialia, 2018, 1, 185-197.	1.3	9
1165	Preparation and properties of graphene/carbon nanotube hybrid reinforced mortar composites. Magazine of Concrete Research, 2019, 71, 395-407.	0.9	14
1167	Fabrication and Characterization of CNT-Based Hybrid Composite. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 509-521.	0.4	0
1168	Mechanical properties of highly dispersed carbon nanotubes reinforced cement-based materials. IOP Conference Series: Materials Science and Engineering, 2019, 569, 022025.	0.3	3
1169	Mechanical, electrochemical, and durability behavior of graphene nano-platelet loaded epoxy-resin composite coatings. Composites Part B: Engineering, 2019, 176, 107103.	5.9	42

#	Article	IF	Citations
1170	Critical insights into the reinforcement potential of cellulose nanocrystals in polymer nanocomposites. Current Opinion in Solid State and Materials Science, 2019, 23, 100761.	5.6	71
1171	The journey of self-healing and shape memory polyurethanes from bench to translational research. Polymer Chemistry, 2019, 10, 4370-4388.	1.9	54
1172	Biopolymers and Nanocomposites in Civil Engineering Applications. Materials Horizons, 2019, , 343-378.	0.3	2
1173	Oneâ€step synthesis of hydrophilic grapheneâ€Fe 3 O 4 â€PVA composite film: Micromorphology and performance. Journal of Applied Polymer Science, 2019, 136, 48174.	1.3	3
1174	Rapidly self-heating shape memory polyurethane nanocomposite with boron-doped single-walled carbon nanotubes using near-infrared laser. Composites Part B: Engineering, 2019, 175, 107065.	5.9	25
1175	Facile and rapid synthesis of efficient epoxy-novolac acrylate / MWCNTs-APTES-ZnO hybrid coating films by UV irradiation: Thermo-mechanical, shape stability, swelling, hydrophobicity and antibacterial properties. Polymer, 2019, 179, 121621.	1.8	16
1176	Surface-modified halloysite nanotube-embedded polyvinyl alcohol/polyvinyl amine blended membranes for pervaporation dehydration of water/isopropanol mixtures. Applied Surface Science, 2019, 493, 193-201.	3.1	26
1177	Up-to-date review on the development of high performance rubber composites based on halloysite nanotube. Applied Clay Science, 2019, 183, 105300.	2.6	29
1178	Intelligently Actuating Liquid Crystal Elastomerâ€Carbon Nanotube Composites. Advanced Functional Materials, 2019, 29, 1905063.	7.8	135
1179	Assessment of dynamic properties of hybrid ribbon reinforced multifunctional composite sandwich plates: Numerical and experimental investigation. Thin-Walled Structures, 2019, 145, 106365.	2.7	10
1180	Preparation of a Carbon Nanotube-Reinforced UV/Heat Dual-Curable Adhesive for Liquid Crystal Displays. Molecular Crystals and Liquid Crystals, 2019, 687, 76-81.	0.4	3
1181	Lateral-aligned sulfonated carbon-nanotubes/Nafion composite membranes with high proton conductivity and improved mechanical properties. Journal of Membrane Science, 2019, 591, 117356.	4.1	33
1182	The mechanical properties, microstructures and mechanism of carbon nanotube-reinforced oil well cement-based nanocomposites. RSC Advances, 2019, 9, 26691-26702.	1.7	33
1183	Geometry-induced thermal storage enhancement of shape-stabilized phase change materials based on oriented carbon nanotubes. Applied Energy, 2019, 254, 113688.	5.1	35
1184	Elastic waves in uniformly infinite-periodic jungles of single-walled carbon nanotubes under action of longitudinal magnetic fields. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	5
1185	Thermally and electrically conducting polycarbonate/elastomer blends combined with multiwalled carbon nanotubes. Journal of Thermoplastic Composite Materials, 2019, , 089270571986827.	2.6	6
1186	Research and Development in Carbon Fibers and Advanced High-Performance Composites Supply Chain in Europe: A Roadmap for Challenges and the Industrial Uptake. Journal of Composites Science, 2019, 3, 86.	1.4	71
1187	Effect of Structural Orientation on the Performance of Supercapacitor Electrodes from Electrospun Coal-Derived Carbon Nanofibers (CCNFs). Journal of the Electrochemical Society, 2019, 166, A3294-A3304.	1.3	24

#	Article	IF	Citations
1188	In-line monitoring of carbon nanoparticle epoxy dispersion processes. Production Engineering, 2019, 13, 373-390.	1.1	4
1189	The pervaporative membrane with vertically aligned carbon nanotube nanochannel for enhancing butanol recovery. Journal of Membrane Science, 2019, 577, 51-59.	4.1	49
1190	Glucose Oxidase Immobilized on a Functional Polymer Modified Glassy Carbon Electrode and Its Molecule Recognition of Glucose. Polymers, 2019, 11, 115.	2.0	13
1191	Processing of nanocomposites using supercritical fluid assisted extrusion for stress/strain sensing applications. Composites Part B: Engineering, 2019, 165, 397-405.	5.9	20
1192	Structural Characterization of CVD Custom-Synthesized Carbon Nanotube/Polymer Nanocomposites in Large-Amplitude Oscillatory Shear (LAOS) Mode: Effect of Dispersion Characteristics in Confined Geometries. Macromolecules, 2019, 52, 1489-1504.	2.2	39
1193	Function-driven engineering of 1D carbon nanotubes and 0D carbon dots: mechanism, properties and applications. Nanoscale, 2019, 11, 1475-1504.	2.8	134
1194	Thermal Conversion of Ethanol into Carbon Nanotube Coatings with Adjusted Packing Density. ACS Omega, 2019, 4, 10405-10410.	1.6	10
1196	Review on Carbon/Polyaniline Hybrids: Design and Synthesis for Supercapacitor. Molecules, 2019, 24, 2263.	1.7	98
1197	Microwave-Assisted Synthesis for Carbon Nanomaterials. , 2019, , 121-147.		5
1198	Preparation of nanocomposites with epoxy resins and thiol-functionalized carbon nanotubes by thiol-ene click reaction. Polymer Testing, 2019, 77, 105912.	2.3	14
1199	Simultaneously enhanced hydroxide conductivity and mechanical properties of quaternized chitosan/functionalized carbon nanotubes composite anion exchange membranes. International Journal of Hydrogen Energy, 2019, 44, 18134-18144.	3.8	24
1200	Epoxy/ionic liquid-like MWCNTs composites with improved processability and mechanical properties. Composites Communications, 2019, 15, 46-52.	3.3	11
1201	Materials that make robots smart. International Journal of Robotics Research, 2019, 38, 1338-1351.	5.8	16
1202	Characterization of Titanium Nanotube Reinforced Cementitious Composites: Mechanical Properties, Microstructure, and Hydration. Materials, 2019, 12, 1617.	1.3	16
1203	Property improvement of CNT spun yarns and their composites through pressing, stretching and tensioning. Advanced Composite Materials, 2019, 28, 507-524.	1.0	7
1204	Quaternized chitosan/functionalized carbon nanotubes composite anion exchange membranes. Journal of Applied Polymer Science, 2019, 136, 47778.	1.3	20
1205	Facile Fabrication of Environmentally-Friendly Hydroxyl-Functionalized Multiwalled Carbon Nanotubes/Soy Oil-Based Polyurethane Nanocomposite Bioplastics with Enhanced Mechanical, Thermal, and Electrical Conductivity Properties. Polymers, 2019, 11, 763.	2.0	6
1206	A novel TiO2/Epoxy resin composited geopolymer with great durability in wetting-drying and phosphoric acid solution. Journal of Cleaner Production, 2019, 227, 849-860.	4.6	43

#	Article	IF	Citations
1207	Preparation of carbon nanotube/epoxy composite films with high tensile strength and electrical conductivity by impregnation under pressure. Frontiers of Materials Science, 2019, 13, 165-173.	1.1	7
1208	Polymer/nanodiamond composites - a comprehensive review from synthesis and fabrication to properties and applications. Advances in Colloid and Interface Science, 2019, 269, 122-151.	7.0	106
1209	Preparation of antistatic epoxy resin by functionalization of MWCNTs with Fe3O4-modified polyaniline under a magnetic field. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	5
1210	Carbon nanomaterials based films for strain sensing applicationâ€"A review. Nano Structures Nano Objects, 2019, 18, 100312.	1.9	59
1211	Van der Waals integration before and beyond two-dimensional materials. Nature, 2019, 567, 323-333.	13.7	946
1212	Multi-layered stack consisting of PVDF nanocomposites with flow-induced oriented MWCNT structure can supress electromagnetic radiation. Composites Part B: Engineering, 2019, 166, 749-757.	5.9	45
1213	Non-Isothermal Crystallization Kinetic of Polyethylene/Carbon Nanotubes Nanocomposites Using an Isoconversional Method. Journal of Composites Science, 2019, 3, 21.	1.4	14
1214	High-Loading Carbon Nanotubes on Polymer Nanofibers as Stand-Alone Anode Materials for Li-Ion Batteries. ACS Omega, 2019, 4, 4129-4137.	1.6	14
1215	Some basic aspects of polymer nanocomposites: A critical review. Nano Materials Science, 2019, 1, 2-30.	3.9	499
1216	Nanocarbon material-filled cementitious composites for construction applications. , 2019, , 781-803.		5
1217	Material and Mechanical Characterization of Multi-Functional Carbon Nanotube Reinforced Hybrid Composite Materials. Experimental Techniques, 2019, 43, 301-314.	0.9	18
1218	Study on Nanoâ€Metal Oxide and Carbon Nanotube Composites on Thermal Decomposition of Potassium Perchlorate. Bulletin of the Korean Chemical Society, 2019, 40, 324-331.	1.0	3
1219	Spray coating process of MWCNT/epoxy nanocomposite films for aerospace applications: Effects of process parameters on surface electrical properties. Acta Astronautica, 2019, 159, 429-439.	1.7	22
1220	Effect of CNTs addition on the fracture behaviour of neat epoxy and epoxy-carbon fiber-reinforced composites. AIP Conference Proceedings, 2019, , .	0.3	5
1221	Recent advances in carbon-based polymer nanocomposites for electromagnetic interference shielding. Progress in Materials Science, 2019, 103, 319-373.	16.0	490
1222	Multiscale hybrid composites with carbon-based nanofillers. , 2019, , 449-470.		4
1223	Evaluation of shear properties of carbon nanotube reinforced functionally graded honeycomb composite materials. AIP Conference Proceedings, 2019, , .	0.3	1
1224	Cyclic piezoresistive effect in poly(dimethylsiloxane)/carbon nanofiber composites for large strain Sensing applications. Journal of Intelligent Material Systems and Structures, 2019, 30, 1010-1017.	1.4	3

#	Article	IF	Citations
1225	Improvement mechanical and antibacterial properties of epoxy by polyethylene glycol and Ag/CuO nanoparticles. Polymer Composites, 2019, 40, 3393-3401.	2.3	17
1226	Effects of multi-walled carbon nanotubes (MWCNTs) and integrated MWCNTs/SiO2 nano-additives on PVDF polymeric membranes for vacuum membrane distillation. Separation and Purification Technology, 2019, 217, 154-163.	3.9	60
1227	Quality Control and Risk Management of Carbon Nanomaterials. , 0, , .		0
1228	Effect of a Different Number of Amine-Functional Groups on the Gas Sorption and Permeation Behavior of a Hybrid Membrane Comprising of Impregnated Linde T and 4,4â€²- (Hexafluoroisopropylidene) Diphthalic Anhydride-Derived Polyimide. Polymers, 2019, 11, 1807.	2.0	5
1229	Silver Quantum Clusters: Effective Nanofillers for Improving the Fracture Toughness of Epoxy Composites. Materials Today: Proceedings, 2019, 18, 4977-4986.	0.9	1
1230	Characterization of Graphene Reinforced Epoxy Coatings for Internal Surface of Oil and Gas Pipelines. , 2019, , .		1
1231	Uniaxial Stretching-Induced Alignment of Carbon Nanotubes in Cross-Linked Elastomer Enabled by Dynamic Cross-Link Reshuffling. ACS Macro Letters, 2019, 8, 1575-1581.	2.3	43
1232	Analysis of Important Fabrication Factors That Determine the Sensitivity of MWCNT/Epoxy Composite Strain Sensors. Materials, 2019, 12, 3875.	1.3	4
1233	The Role of Functionalization in the Applications of Carbon Materials: An Overview. Journal of Carbon Research, 2019, 5, 84.	1.4	51
1234	Property improvement of multi-walled carbon nanotubes/polypropylene composites with high filler loading via interfacial modification. RSC Advances, 2019, 9, 29087-29096.	1.7	14
1235	Practical PBT/PC/GNP composites with anisotropic thermal conductivity. RSC Advances, 2019, 9, 36316-36323.	1.7	7
1236	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. Chemical Engineering Journal, 2019, 355, 974-985.	6.6	124
1237	Zinc ferrite nanoparticle decorated boron nitride nanosheet: Preparation, magnetic field arrangement, and flame retardancy. Chemical Engineering Journal, 2019, 356, 680-692.	6.6	90
1238	Nonlinear stability and vibration of pre/post-buckled multilayer FG-GPLRPC rectangular plates. Applied Mathematical Modelling, 2019, 65, 627-660.	2.2	73
1239	Designing of nickel cobalt molybdate/multiwalled carbon nanotube composites for suppression of electromagnetic radiation. SN Applied Sciences, 2019, 1, 1.	1.5	26
1240	Methane Pyrolysis for Carbon Nanotubes and CO_x-Free H₂ over Transition-Metal Catalysts. Energy & Fuels, 2019, 33, 197-205.	2.5	46
1241	Effect of External Fields on Electrical Conductivity of Polymer-Based Composites. , 2019, , 275-295.		4
1242	Quantitative analysis of grafted CNT dispersion and of their stiffening of polyurethane (PU). Composites Science and Technology, 2019, 171, 103-110.	3.8	20

#	Article	IF	Citations
1243	Postbuckling behavior of functionally graded CNT-reinforced nanocomposite plate with interphase effect. Nonlinear Engineering, 2019, 8, 496-512.	1.4	11
1244	A novel modification of carbon nanotubes for improving the electrical and mechanical properties of polyethylene composites. Polymer Testing, 2019, 74, 72-76.	2.3	19
1245	Long Conducting and Water-Compatible Polymer/Carbon Nanotubes Nanocomposite with â€œBeads-on-a-Stringâ€•Structure as a Highly Effective Electrochemical Sensing Material. ACS Sustainable Chemistry and Engineering, 2019, 7, 3556-3566.	3.2	17
1246	Effect of carbon nanotubes reinforcement on the polyvinyl alcohol â€“ polyethylene glycol double-network hydrogel composites: A general approach to shape memory and printability. European Polymer Journal, 2019, 110, 114-122.	2.6	34
1247	Properties and behavior of carbon nanomaterials when interfacing neuronal cells: How far have we come?. Carbon, 2019, 143, 430-446.	5.4	135
1248	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
1249	Effect of CNTs dispersion on electrical, mechanical and strain sensing properties of CNT/epoxy nanocomposites. Results in Physics, 2019, 12, 486-503.	2.0	95
1250	Fabrication of Polylactic Acid-Modified Carbon Black Composites into Improvement of Levelness and Mechanical Properties of Spun-Dyeing Polylactic Acid Composites Membrane. ACS Sustainable Chemistry and Engineering, 2019, 7, 688-696.	3.2	12
1251	Multi-walled carbon nanotubes reinforced interpenetrating polymer network with ultrafast self-healing and anti-icing attributes. Journal of Colloid and Interface Science, 2019, 540, 247-257.	5.0	24
1252	Methods for dispersing carbon nanotubes for nanotechnology applications: liquid nanocrystals, suspensions, polyelectrolytes, colloids and organization control. International Nano Letters, 2019, 9, 31-49.	2.3	56
1253	Synthesis of Siâ€Ðoped CNT and Its Catalytic Ability in Hydrogen Evolution Reaction. ChemistrySelect, 2019, 4, 521-526.	0.7	7
1254	Hydroxyapatite Nanoparticle Coating on Polymer for Constructing Effective Biointeractive Interfaces. Journal of Nanomaterials, 2019, 2019, 1-23.	1.5	179
1255	Lead Remediation Using Smart Materials. A Review. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1377-1409.	1.4	39
1256	Effect of multi-walled carbon nanotubes (MWCNTs) on the strength development of cementitious materials. Journal of Materials Research and Technology, 2019, 8, 1203-1211.	2.6	92
1257	Effects of carbon nanotubes additive on thermal conductivity and thermal energy storage properties of a novel composite phase change material. Journal of Composite Materials, 2019, 53, 2967-2980.	1.2	35
1258	Characterization of electrospun nanofibers. , 2019, , 257-281.		11
1259	Electrospun nanofibers for textiles. , 2019, , 63-87.		2
1260	Carbon Nanotube Hybrids and Their Polymer Nanocomposites. , 2019, , 29-60.		5

#	Article	IF	Citations
1261	Carbon Nanotubes and Their Polymer Nanocomposites. , 2019, , 145-175.		15
1262	Buckling of Magnetically Formed Filler Fiber Columns Under Compression Increases Thermal Resistance of Soft Polymer Composites. Journal of Heat Transfer, 2019, 141, .	1.2	1
1263	Polymer Nanocomposites for Emulsionâ€Based Coatings and Adhesives. Macromolecular Reaction Engineering, 2019, 13, 1800050.	0.9	28
1264	High Performance Antistatic HDPE Composites with Bridging Effect of Hybrid Carbon Black and Multiâ€Walled Carbon Nanotubes Fillers. Advanced Engineering Materials, 2019, 21, 1800609.	1.6	9
1265	Organic WORM memory with carbon nanoparticle/epoxy active layer. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	33
1266	Specific Interactions and Self-Organization in Polymer/Functionalized Nanoparticle Systems. , 2019, , 85-117.		2
1267	Polymer Composites with Functionalized Carbon Nanotube and Graphene. , 2019, , 211-248.		16
1268	Materials, Innovations and Future Research Opportunities on Wind Turbine Bladesâ€"Insight Review. Environmental Progress and Sustainable Energy, 2019, 38, e13046.	1.3	10
1269	Epoxy-Based Multifunctional Nanocomposites. , 2019, , 111-135.		2
1270	Effects of Graphite Nanoplatelets on the Structure of Cementitious Materials. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 403-411.	1.0	3
1271	Synthesis and dielectric characterization of polycarbonate/multi-wall carbon nanotubes nanocomposite. Arabian Journal of Chemistry, 2019, 12, 440-446.	2.3	7
1272	Improved dielectric properties of polymer-based composites with carboxylic functionalized multiwalled carbon nanotubes. Journal of Thermoplastic Composite Materials, 2019, 32, 473-486.	2.6	16
1273	Superior thermomechanical and wetting properties of ultrasonic dual mode mixing assisted epoxy-CNT nanocomposites. High Performance Polymers, 2019, 31, 32-42.	0.8	12
1274	Vibration analysis of a multifunctional hybrid composite honeycomb sandwich plate. Journal of Sandwich Structures and Materials, 2020, 22, 2818-2860.	2.0	21
1275	Nanocarbons-Supported and Polymers-Supported Titanium Dioxide Nanostructures as Efficient Photocatalysts for Remediation of Contaminated Wastewater and Hydrogen Production. Environmental Chemistry for A Sustainable World, 2020, , 139-169.	0.3	34
1276	A review on high stiffness aluminum-based composites and bimetallics. Critical Reviews in Solid State and Materials Sciences, 2020, 45, 1-21.	6.8	30
1277	Carbon nanotube yarn structures and properties. , 2020, , 137-182.		3
1278	Multi-component nanocomposites of epoxy/silsesquioxane reinforced with carbon fibers and carbon nanotubes processed by resin transfer molding. Polymer-Plastics Technology and Materials, 2020, 59, 517-526.	0.6	1

#	Article	IF	Citations
1279	Nanomaterial Based Sustainable Thermal Management. , 2020, , 781-793.		0
1280	Investigation on hydrogen sensing property of MWCNT/Pani nanocomposite films. Polymer Bulletin, 2020, 77, 3697-3706.	1.7	8
1281	Patterned nanocomposites generated via electric/magnetic fields for hierarchical tissue regeneration. , 2020, , 203-220.		1
1282	RUBBER NANOCOMPOSITES REINFORCED WITH SINGLE-WALL AND MULTIWALL CARBON NANOTUBES FOR INDUSTRIAL APPLICATIONS. Rubber Chemistry and Technology, 2020, 93, 157-171.	0.6	8
1283	Tensile properties of carbon nanotubes reinforced aluminum matrix composites: A review. Carbon, 2020, 160, 14-44.	5.4	130
1284	Advanced functional surfaces through controlled damage and instabilities. Materials Horizons, 2020, 7, 366-396.	6.4	20
1285	Double-walled carbon nanotube deformation by interacting with a nickel surface: A DFT study. Computational Materials Science, 2020, 174, 109457.	1.4	2
1286	Multifunctional 3D-MXene/PDMS nanocomposites for electrical, thermal and triboelectric applications. Composites Part A: Applied Science and Manufacturing, 2020, 130, 105754.	3.8	132
1287	Surfactant assisted dispersion of MWCNT's in epoxy nanocomposites and adhesion with aluminum. Polymer Testing, 2020, 82, 106308.	2.3	7
1288	Carbon Nanotubeâ€Based Piezoresistive Sensors Fabricated by Microwave Irradiation. Advanced Engineering Materials, 2020, 22, 1901068.	1.6	16
1289	Electro spun nanomats strengthened glass fiber hybrid composites: Improved mechanical properties using continuous nanofibers. Polymer Composites, 2020, 41, 958-971.	2.3	6
1290	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
1291	Investigating the effect of carbon nanotube on early age hydration of cementitious composites with isothermal calorimetry and Fourier transform infrared spectroscopy. Cement and Concrete Composites, 2020, 107, 103513.	4.6	36
1292	Mode II interlaminar fracture toughness of carbon nanotubes/epoxy film-interleaved carbon fiber composites. Composite Structures, 2020, 236, 111808.	3.1	56
1293	Tensile Mechanical Behaviors of High Loading of Carbon Nanotube/Epoxy Composites via Experimental and Finite Element Analysis. Advanced Engineering Materials, 2020, 22, 1900895.	1.6	5
1294	Mechanical properties and microstructure of multi-walled carbon nanotube-reinforced cementitious composites under the early-age freezing conditions. Construction and Building Materials, 2020, 233, 117317.	3.2	24
1295	Enhanced electrical and electromagnetic interference shielding properties of uniformly dispersed carbon nanotubes filled composite films via solvent-free process using ring-opening polymerization of cyclic butylene terephthalate. Polymer, 2020, 186, 122030.	1.8	22
1296	Electric field induced alignment of graphene oxide nanoplatelets in polyethersulfone matrix. Nanotechnology, 2020, 31, 155701.	1.3	20

#	Article	IF	Citations
1297	Nano-modified functional composite coatings for metallic structures: Part I-Electrochemical and barrier behavior. Surface and Coatings Technology, 2020, 401, 126286.	2.2	8
1298	A review of boron carbon nitride thin films and progress in nanomaterials. Materials Today Advances, 2020, 8, 100106.	2.5	54
1299	Study on effects of hot isostatic pressing process on microstructure and properties of CNTs/Al2009 composites. IOP Conference Series: Materials Science and Engineering, 2020, 738, 012026.	0.3	0
1300	Enhancements of foamability, electromagnetic interference shielding and mechanical property of epoxy microcellular composite foam with well-dispersed f-MWCNTs. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106060.	3.8	39
1301	A review on the mechanics of carbon nanotube strengthened deformable structures. Engineering Structures, 2020, 220, 110711.	2.6	50
1302	Influence of acid-treated time of carbon nanotubes on mechanical property in carbon nanotubes reinforced copper matrix composites. Diamond and Related Materials, 2020, 109, 108069.	1.8	18
1303	Physical and Chemical Properties Characterization of 3D-Printed Substrates Loaded with Copper-Nickel Nanowires. Polymers, 2020, 12, 2680.	2.0	5
1304	The effects of carbon nanoparticles on curing kinetics of epoxy modified with triblock copolymer. Polymer Bulletin, 2020, , 1.	1.7	1
1305	Carbon Nanotube Reinforced Polyâ€pâ€Phenylene Terephthalamide Fibers for Toughness Improvement: A Molecular Dynamics Study. Advanced Theory and Simulations, 2020, 3, 2000135.	1.3	5
1306	Nanomaterials and nanotechnology for water treatment: recent advances. Inorganic and Nano-Metal Chemistry, 2021, 51, 1615-1645.	0.9	26
1307	Effect of Carbon Nanotubesâ€™ Diameter on Freeze-Thaw Resistance of Cement Paste. Journal of Mechanics, 2020, 36, 437-449.	0.7	5
1308	Supramolecular Functionalization for Improving Thermoelectric Properties of Single-Walled Carbon Nanotubesâ€“Small Organic Molecule Hybrids. ACS Applied Materials & Interfaces, 2020, 12, 51387-51396.	4.0	13
1309	Nitrogenâ€Doped Hollow Carbon Polyhedrons with Carbon Nanotubes Surface Layers as Effective Sulfur Hosts for Highâ€Rate, Longâ€Lifespan Lithiumâ€“Sulfur Batteries. ChemElectroChem, 2020, 7, 4990-4998.	1.7	10
1310	Effect of hydroxylated carbon nanotubes on the thermal and electrical properties of derived epoxy composite materials. Results in Physics, 2020, 18, 103246.	2.0	20
1311	Effect of carbon nanotubes on compressive, flexural and tensile strengths of Portland cement-based materials: A systematic literature review. Construction and Building Materials, 2020, 264, 120237.	3.2	85
1312	An In Vitro Lung System to Assess the Proinflammatory Hazard of Carbon Nanotube Aerosols. International Journal of Molecular Sciences, 2020, 21, 5335.	1.8	34
1313	Fracture analysis and tensile properties of perfect and defective carbon nanotubes functionalized with carbene using molecular dynamics simulations. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	10
1314	Influence of Multiwalled Carbon Nanotubes on the Rheological Behavior and Physical Properties of Kenaf Fiber-Reinforced Polypropylene Composites. Polymers, 2020, 12, 2083.	2.0	6

#	Article	IF	Citations
1315	Enhancement of Molten Nitrate Thermal Properties by Reduced Graphene Oxide and Graphene Quantum Dots. ACS Omega, 2020, 5, 21345-21354.	1.6	8
1316	Effect of pretreatment on the microstructure of multiwalled carbon nanotubes. Journal of Physics: Conference Series, 2020, 1639, 012096.	0.3	0
1317	Relationship between Viscosity, Microstructure and Electrical Conductivity in Copolyamide Hot Melt Adhesives Containing Carbon Nanotubes. Materials, 2020, 13, 4469.	1.3	3
1318	Modeling and Electrochemical Characterization of Electrodes Based on Epoxy Composite with Functionalized Nanocarbon Fillers at High Concentration. Nanomaterials, 2020, 10, 850.	1.9	8
1319	Atomistic QM/MM simulations of the strength of covalent interfaces in carbon nanotubeâ€“polymer composites. Physical Chemistry Chemical Physics, 2020, 22, 12007-12014.	1.3	5
1320	Bubble-propelled micromotors based on hierarchical MnO₂ wrapped carbon nanotube aggregates for dynamic removal of pollutants. RSC Advances, 2020, 10, 14846-14855.	1.7	12
1321	The Mechanical Behaviors of Polyethylene/Silver Nanoparticle Composites: an Insight from Molecular Dynamics study. Scientific Reports, 2020, 10, 7600.	1.6	12
1322	Polyvinyl butyralâ€based composites with carbon nanotubes: Efficient dispersion as a key to high mechanical properties. Polymer Composites, 2020, 41, 3627-3637.	2.3	12
1323	3D printed conductive thermoplastic polyurethane/carbon nanotube composites for capacitive and piezoresistive sensing in soft pneumatic actuators. Additive Manufacturing, 2020, 34, 101281.	1.7	54
1324	Free vibration analysis of the MWCNT reinforced hybrid laminated composite sandwich beam. Materials Today: Proceedings, 2020, 22, 3220-3225.	0.9	6
1325	Functionalization of Single and Multi-Walled Carbon Nanotubes with Polypropylene Glycol Decorated Pyrrole for the Development of Doxorubicin Nano-Conveyors for Cancer Drug Delivery. Nanomaterials, 2020, 10, 1073.	1.9	26
1326	The Molecular and Macromolecular Level of Carbon Nanotube Modification Via Diazonium Chemistry: Emphasis on the 2010sÂYears. Chemistry Africa, 2020, 3, 535-569.	1.2	30
1327	Connecting concrete technology and machine learning: proposal for application of ANNs and CNT/concrete composites in structural health monitoring. RSC Advances, 2020, 10, 23038-23048.	1.7	13
1328	Metal Mimics: Lightweight, Strong, and Tough Nanocomposites and Nanomaterial Assemblies. ACS Applied Materials & Interfaces, 2020, 12, 15955-15975.	4.0	20
1329	Overview of Polyvinyl Alcohol Nanocomposite Hydrogels for Electroâ€Skin, Actuator, Supercapacitor and Fuel Cell. Chemical Record, 2020, 20, 773-792.	2.9	55
1330	Development of nano cement concrete by top-down and bottom-up nanotechnology concept. , 2020, , 183-213.		6
1331	Percolation and Transport Properties in The Mechanically Deformed Composites Filled with Carbon Nanotubes. Applied Sciences (Switzerland), 2020, 10, 1315.	1.3	6
1332	Development of new nanocomposites for 3D printing applications. , 2020, , 17-59.		5

#	Article	IF	Citations
1333	Performance of lightweight cementitious composite incorporating carbon nanofibers. Cement and Concrete Composites, 2020, 109, 103561.	4.6	23
1334	Radially Grown Graphene Nanoflakes on Carbon Fibers as Reinforcing Interface for Polymer Composites. ACS Applied Nano Materials, 2020, 3, 2402-2413.	2.4	44
1335	Does the Type of Polymer and Carbon Nanotube Structure Control the Electromagnetic Shielding in Melt-Mixed Polymer Nanocomposites?. Journal of Composites Science, 2020, 4, 9.	1.4	10
1336	Risk management and regulatory aspects of carbon nanomaterials. , 2020, , 595-613.		2
1337	Enhanced electromechanics of morphology-immobilized co-continuous polymer blend/carbon nanotube high-range piezoresistive sensor. Chemical Engineering Journal, 2020, 389, 124112.	6.6	21
1338	Band-gap engineering using metal-semiconductor interfaces for photocatalysis and supercapacitor application. , 2020, , 391-451.		0
1339	Two-dimensional reinforcement of epoxy composites: alignment of multi-walled carbon nanotubes in two directions. Advanced Composite Materials, 2020, 29, 547-557.	1.0	7
1340	Adsorption analysis and mechanical characteristics of carbon nanotubes under physisorption of biological molecules in an aqueous environment using molecular dynamics simulations. Molecular Simulation, 2020, 46, 388-397.	0.9	6
1341	Comparative Study of Three Carbon Additives: Carbon Nanotubes, Graphene, and Fullerene-C60, for Synthesizing Enhanced Polymer Nanocomposites. Nanomaterials, 2020, 10, 838.	1.9	26
1342	Multiwall carbon nanotube-nematic liquid crystal composite system: preparation and characterization. Journal of Dispersion Science and Technology, 2021, 42, 707-714.	1.3	11
1343	Mechanical and electrical properties of hybrid honeycomb sandwich structure for spacecraft structural applications. Journal of Sandwich Structures and Materials, 2021, 23, 222-240.	2.0	23
1344	Wear performance and mechanical properties of MWCNT/HDPE nanocomposites for gearing applications. Journal of Materials Research and Technology, 2021, 12, 2476-2488.	2.6	28
1345	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
1346	In situ polymerization of functionalized multiwalled-carbon nanotubes/epoxy resin composite fibers using a non-solvent technique. Polymers and Polymer Composites, 2021, 29, 789-796.	1.0	1
1347	Carbon-based sustainable nanomaterials for water treatment: State-of-art and future perspectives. Chemosphere, 2021, 263, 128005.	4.2	184
1348	A review of properties and fabrication techniques of fiber reinforced polymer nanocomposites subjected to simulated accidental ballistic impact. Thin-Walled Structures, 2021, 158, 107150.	2.7	25
1349	Improving the dispersion of <scp>MWCNT</scp> and <scp>MMT</scp> in <scp>PVDF</scp> melts employing controlled extensional flows. Journal of Applied Polymer Science, 2021, 138, 50274.	1.3	9
1350	A review on mechanical properties of epoxy nanocomposites. Materials Today: Proceedings, 2021, 44, 346-355.	0.9	66

#	Article	IF	Citations
1351	Boosting electrical and piezoresistive properties of polymer nanocomposites via hybrid carbon fillers: A review. Carbon, 2021, 173, 1020-1040.	5.4	71
1352	Thermo-resistive and thermo-piezoresistive sensitivity of carbon nanostructure engineered thermoplastic composites processed via additive manufacturing. Polymer Testing, 2021, 93, 106961.	2.3	20
1353	Highly conductive multi-walled carbon nanotube/polydimethylsiloxane (MWCNT/PDMS) nanocomposite for microfluidic applications. Journal of Composite Materials, 2021, 55, 1799-1810.	1.2	3
1354	Behavior of epoxy resin filled with <scp>nanoâ€SiO₂</scp> treated with a Eugenol epoxy silane. Journal of Applied Polymer Science, 2021, 138, 50138.	1.3	41
1355	Performance improvement of cement paste loaded with MWCNTâ€“magnetite nanocomposite. Advances in Cement Research, 2021, 33, 357-366.	0.7	2
1356	Starch, cellulose, pectin, gum, alginate, chitin and chitosan derived (nano)materials for sustainable water treatment: A review. Carbohydrate Polymers, 2021, 251, 116986.	5.1	385
1357	The effect of 3-(triethoxy silyl) propyl amine concentration on surface modification of multiwall carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 74-82.	1.0	11
1358	A review featuring the fundamentals and advancements of polymer/CNT nanocomposite application in aerospace industry. Polymer Bulletin, 2021, 78, 539-557.	1.7	52
1359	Ï€-Stacking, conjugated, polymer-supported carbon nanotubes (CNTs) composite materials for light-emitting diode (LED) application. , 2021, , 169-194.		1
1360	Architect of Polymer Nanocomposites for Aerospace Applications. , 2021, , 1319-1352.		1
1361	Carbon Nanomaterials. , 2021, , 784-809.		1
1362	Solid waste-derived carbon nanomaterials for supercapacitor applications: a recent overview. Materials Advances, 2021, 2, 1454-1484.	2.6	47
1363	CNT@NiO/natural rubber with excellent impedance matching and low interfacial thermal resistance toward flexible and heat-conducting microwave absorption applications. Journal of Materials Chemistry C, 2021, 9, 869-880.	2.7	59
1364	Additive Manufacturing of Polymer Matrix Composite Materials with Aligned or Organized Filler Material: A Review. Advanced Engineering Materials, 2021, 23, 2001002.	1.6	38
1365	Recent advancements in transparent carbon nanotube films: chemistry and imminent challenges. Journal of Nanostructure in Chemistry, 2021, 11, 93-130.	5.3	35
1366	Surfactant-free one-step fabrication of gelatin/PAAm/MWCNT composites for biomedical applications. Polymer Bulletin, 2022, 79, 1597-1614.	1.7	4
1367	Axial Compressive Behavior of Reinforced Concrete (RC) Columns Incorporating Multi-Walled Carbon Nanotubes and Marble Powder. Crystals, 2021, 11, 247.	1.0	5
1368	Thermomechanical Multifunctionality in 3D-Printed Polystyrene-Boron Nitride Nanotubes (BNNT) Composites. Journal of Composites Science, 2021, 5, 61.	1.4	12

#	Article	IF	Citations
1369	How the carbon nanotubes affect the glass transition kinetics and thermal stability of Cuâ€“Seâ€“Teâ€“In chalcogenide glasses. Journal of Thermal Analysis and Calorimetry, 2022, 147, 1053-1060.	2.0	2
1370	Free radical scavenging behavior of multidimensional nanomaterials in Î³-irradiated epoxy resin and mechanical and thermal performance of Î³-irradiated composites. Composites Part C: Open Access, 2021, 4, 100095.	1.5	6
1371	Thermal and Flammability Properties of Glass Fabric/MWCNT/Epoxy Multilayered Laminates. Transactions on Electrical and Electronic Materials, 2021, 22, 889-892.	1.0	3
1372	Polymer Nanocomposites in Sensor Applications: A Review on Present Trends and Future Scope. Chinese Journal of Polymer Science (English Edition), 2021, 39, 665-691.	2.0	26
1373	Multifunctional Eâ€Textiles Based on Biological Phytic Acidâ€Doped Polyaniline/Protein Fabric Nanocomposites. Advanced Materials Technologies, 2021, 6, 2100003.	3.0	17
1374	The effect of carbon nanotube addition on the mechanical properties and biological functionality of polyâ€etherâ€etherâ€ketoneâ€“hydroxyapatite composites. Polymer Composites, 2021, 42, 3253-3261.	2.3	7
1375	Sustainable Removal of Contaminants by Biopolymers: A Novel Approach for Wastewater Treatment. Current State and Future Perspectives. Processes, 2021, 9, 719.	1.3	44
1376	Effects of Carbon Nanotube Infiltration on a Shape Memory Polymerâ€Based Device for Brain Aneurysm Therapeutics: Design and Characterization of a Jouleâ€Heating Triggering Mechanism. Advanced Engineering Materials, 2021, 23, 2100322.	1.6	9
1377	Engineering Grapheneâ€Ceramic 3D Composite Foams by Freeze Drying. Advanced Engineering Materials, 2021, 23, 2001546.	1.6	9
1378	Strengthening of Glass Composite by Multilayer Carbon Nanotubes Aligned by a Constant Electric Field. Glass and Ceramics (English Translation of Steklo I Keramika), 2021, 78, 43.	0.2	1
1379	Ultra-high-performance cementitious composites with enhanced mechanical and durability characteristics. SN Applied Sciences, 2021, 3, 1.	1.5	5
1380	Analysis of mechanical strength and Youngâ€™s modulus of ultrasonically functionalised CNT-epoxy composites. Advances in Materials and Processing Technologies, 0, , 1-8.	0.8	1
1381	Flexural Strength of an Indirect Composite Modified with Single-Wall Carbon Nanotubes. European Journal of Dentistry, 2021, , .	0.8	0
1382	Strengthening mechanism of fracture properties by nano materials for cementitious materials subject to early-age frost attack. Cement and Concrete Composites, 2021, 119, 104025.	4.6	20
1383	Steady self-scrolling of graphene sheets upon the solvation status of adsorbed polyhexylthiophene. Polymer, 2021, 224, 123758.	1.8	1
1384	Functionalized Carbon Nanotubes (CNTs) for Water and Wastewater Treatment: Preparation to Application. Sustainability, 2021, 13, 5717.	1.6	66
1385	3D Printingâ€Enabled Nanoparticle Alignment: A Review of Mechanisms and Applications. Small, 2021, 17, e2100817.	5.2	61
1386	Mechanical and Electrical Properties of Epoxy Composites Modified by Functionalized Multiwalled Carbon Nanotubes. Materials, 2021, 14, 3325.	1.3	21

#	Article	IF	Citations
1387	Magnetic Field Assisted 3D Printing of Limpet Teeth Inspired Polymer Matrix Composite With Compression Reinforcement. , 2021, , .		1
1388	Functionalization as a way to enhance dispersion of carbon nanotubes in matrices: a review. Materials Today Chemistry, 2021, 20, 100477.	1.7	51
1389	3D Printing of Functional Magnetic Materials: From Design to Applications. Advanced Functional Materials, 2021, 31, 2102777.	7.8	91
1390	Fabrication and characterization of polyaniline functionalized graphene nanosheets (GNSs)/polydimethylsiloxane (PDMS) nanocomposite films. Polymers and Polymer Composites, 0, , 096739112110239.	1.0	2
1391	Reinforcing Adhesives Using Carbon Nanotubes for the Carbon Fibre Reinforced Plastic Composite and Metal Joint. Key Engineering Materials, 0, 889, 129-134.	0.4	3
1392	Effect of carbon nanotube addition in two sizing agents on interfacial properties of carbon fiber / polycarbonate composites. New Carbon Materials, 2021, 36, 639-648.	2.9	12
1393	Toward Application of Liquid Crystalline Elastomer for Smart Robotics: State of the Art and Challenges. Polymers, 2021, 13, 1889.	2.0	37
1394	Tribological behaviors of composites reinforced by different functionalized carbon nanotube using molecular dynamic simulation. Wear, 2021, 476, 203669.	1.5	23
1395	Printed Flexible Thermoelectric Nanocomposites Based on Carbon Nanotubes and Polyaniline. Materials, 2021, 14, 4122.	1.3	9
1396	Synergistic effect of carbon nanotube/TiO2 nanotube multi-scale reinforcement on the mechanical properties and hydration process of portland cement paste. Construction and Building Materials, 2021, 293, 123447.	3.2	34
1397	Enhancement of the Interlaminar Fracture Toughness of a Carbon-Fiber-Reinforced Polymer Using Interleaved Carbon Nanotube Buckypaper. Applied Sciences (Switzerland), 2021, 11, 6821.	1.3	12
1398	Electrical characterization of deformation behavior of carbon-based conductive filled nanocomposites under constant amplitude fatigue loading. Journal of Composite Materials, 2021, 55, 3861-3879.	1.2	1
1399	Comprehensive review on carbon nanotubes embedded in different metal and polymer matrix: fabrications and applications. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 837-864.	6.8	31
1400	Polymer/Carbon Nanocomposites for Biomedical Applications. Advances in Material Research and Technology, 2022, , 109-150.	0.3	2
1401	Quantifying Mechanical Abrasion of MWCNT Nanocomposites Used in 3D Printing: Influence of CNT Content on Abrasion Products and Rate of Microplastic Production. Environmental Science & Technology, 2021, 55, 10332-10342.	4.6	14
1402	Recent Advances in Boron Nitride Based Hybrid Polymer Nanocomposites. Macromolecular Materials and Engineering, 2021, 306, 2100429.	1.7	26
1403	Morphologic and synergistic effects of GNP/NS binary-filler-based multifunctional coatings with robust anti-corrosion and hydrophobic properties. Progress in Organic Coatings, 2021, 157, 106286.	1.9	6
1404	Combination of Mussel Inspired Method and â€œThiol-Michaelâ€•Click Reaction for Biocompatible Alginate-Modified Carbon Nanotubes. Nanomaterials, 2021, 11, 2191.	1.9	4

#	Article	IF	Citations
1405	Effect of MWCNTs on the Wetting Behavior of PP/NR Blends. Macromolecular Symposia, 2021, 398, 2000214.	0.4	9
1406	Highly stretchable and self-healing cellulose nanofiber-mediated conductive hydrogel towards strain sensing application. Journal of Colloid and Interface Science, 2021, 597, 171-181.	5.0	114
1407	Magnetic Field-Assisted 3D Printing of Limpet Teeth Inspired Polymer Matrix Composite With Compression Reinforcement. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	1.3	5
1408	Carbon Nanostructures, Nanolayers, and Their Composites. Nanomaterials, 2021, 11, 2368.	1.9	36
1409	A review on 3D grapheneâ€“carbon nanotube hybrid polymer nanocomposites. Journal of Materials Science, 2021, 56, 17411-17456.	1.7	21
1410	Effect of Coating of Carbon Nanotubes on Mechanical Properties of Polymer Composites: A Review. Materials Performance and Characterization, 2021, 10, 674-699.	0.2	1
1411	Statistical analysis of effective electro-mechanical properties and percolation behavior of aligned carbon nanotube/polymer nanocomposites via computational micromechanics. Computational Materials Science, 2021, 197, 110616.	1.4	15
1412	Polydopamine-modified halloysite nanotube-incorporated polyvinyl alcohol membrane for pervaporation of water-isopropanol mixture. Journal of Industrial and Engineering Chemistry, 2022, 105, 158-170.	2.9	17
1413	The effect of carbon nanotubes on mechanical properties of structural lightweight concrete using LECA aggregates. Structures, 2022, 35, 1204-1218.	1.7	16
1414	Impact of dispersed graphene oxide on thermodynamical, optical, electro optical and dielectric properties of nematic liquid crystal. Liquid Crystals, 2022, 49, 456-474.	0.9	8
1415	Laboratory Evaluation of Mechanical Properties of Modified Asphalt and Mixture Using Graphene Platelets (GnPs). Materials, 2021, 14, 5599.	1.3	6
1416	Flexible Fiber Membrane Based on Carbon Nanotube and Polyurethane with High Thermal Conductivity. Nanomaterials, 2021, 11, 2504.	1.9	7
1417	Interfacial enhancement effect of graphene quantum dots on PEDOT:PSS/single-walled carbon nanotubes thermoelectric materials. Synthetic Metals, 2021, 280, 116861.	2.1	20
1418	Dispersion of single wall carbon nanotube using air entraining agent and its application to portland cement paste. Construction and Building Materials, 2021, 302, 124421.	3.2	7
1419	Micro-end-milling of carbon nanotube reinforced epoxy nanocomposites manufactured using three roll mill technique. Journal of Manufacturing Processes, 2021, 70, 307-320.	2.8	11
1420	Preparation of soybean root-like CNTs/bimetallic oxides hybrid to enhance fire safety and mechanical performance of thermoplastic polyurethane. Chemical Engineering Journal, 2022, 428, 132338.	6.6	9
1421	On the low reinforcing efficiency of carbon nanotubes in high-performanceÂpolymer fibres. Nanocomposites, 2021, 7, 53-69.	2.2	13
1422	Buckling analysis of shear deformable composite conical shells reinforced by CNTs subjected to combined loading on the two-parameter elastic foundation. Defence Technology, 2022, 18, 205-218.	2.1	22

#	Article	IF	Citations
1423	Carbon nanotube/epoxy submicron filaments for composite reinforcement applications. , 2021, , .		1
1424	Characteristics of carbon nanotubes and their nanocomposites. , 2021, , 99-118.		0
1425	Nanoscale Modification of Cementitious Materials. , 2009, , 125-130.		86
1426	Carbon in Polymer. , 2013, , 695-728.		1
1427	Multi-Walled Carbon Nanotubes. , 2013, , 147-188.		37
1428	Electrospun Thermosetting Carbon Nanotubeâ€“Epoxy Nanofibers. ACS Applied Polymer Materials, 2021, 3, 610-619.	2.0	15
1429	Incorporation of magnesium oxide nanoparticles in to nematic liquid crystalline matrix. Molecular Crystals and Liquid Crystals, 2020, 708, 26-38.	0.4	8
1430	A Review on Nanocomposites. Part 1: Mechanical Properties. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2020, 142, .	1.3	8
1431	Electrical conductivity and piezoresistive response of 3D printed thermoplastic polyurethane/multiwalled carbon nanotube composites. , 2018, , .		5
1432	CARBON-BASED HIGH ASPECT RATIO POLYMER NANOCOMPOSITES. , 2013, , 85-123.		4
1433	Functionalization and Characterization of MWCNT Produced by Different Methods. Acta Physica Polonica A, 2016, 129, 405-408.	0.2	23
1434	Multinanosensors Based on MWCNTs and Biopolymer Matrix - Production and Characterization. Acta Physica Polonica A, 2017, 132, 1251-1255.	0.2	4
1435	Dynamic mechanical analysis of silicone rubber reinforced with multi-walled carbon nanotubes. Interaction and Multiscale Mechanics, 2011, 4, 239-245.	0.4	15
1436	THE IMPEDANCE CHARACTERIZATION OF HYBRID CNT-SILICA EPOXY NANOCOMPOSITES. International Journal of Automotive and Mechanical Engineering, 2014, 10, 1832-1840.	0.5	8
1437	Propriedades mecÃ¢nicas, tribolÃ³gicas e tÃ©rmicas de nanocompÃ³sitos de PLLA com nanotubos de carbono de paredes mÃºltiplas. Polimeros, 2014, 24, 514-520.	0.2	2
1438	Polianilin Ä°le FonksiyonelleÅŸtirilmiÅŸ Karbon NanotÃ¼p/PDMS Nanokompozitlerin Dielektrik Ã–zellikleri. UludaÄŸ University Journal of the Faculty of Engineering, 0, , 861-874.	0.2	3
1439	Manufacturing and characterization of CNT based polymer composites. Mathematical Models in Engineering, 2017, 3, 89-97.	0.1	19
1440	Advances in Carbon Based Nanomaterials for Bio-Medical Applications. Current Medicinal Chemistry, 2019, 26, 6851-6877.	1.2	82

#	Article	IF	Citations
1441	Ultrasound Assisted Electrochemical Deposition of Polypyrrole - Carbon Nanotube Composite Film: Preparation, Characterization and Application to the Determination of Droxidopa. Current Analytical Chemistry, 2020, 16, 421-427.	0.6	3
1442	Nanostructural Control of Carbon Nanofiller/ Epoxy Composite by Using an Alternating Electric Field. Zairyo/Journal of the Society of Materials Science, Japan, 2007, 56, 393-398.	0.1	7
1443	Silk-Containing Polymeric Systems. , 2007, , 485-505.		3
1444	Effect of silane treatment of carboxylic-functionalized multi-walled carbon nanotubes on the thermal properties of epoxy nanocomposites. EXPRESS Polymer Letters, 2010, 4, 217-226.	1.1	31
1445	Ultrasound-Assisted Surface Modification of MWCNT Using Organic Acids. Materials, 2021, 14, 72.	1.3	4
1446	Advances in Nanotechnology Transition Metal Catalysts in Oxidative Desulfurization (ODS) Processes. Advances in Chemical and Materials Engineering Book Series, 2016, , 180-215.	0.2	2
1447	Carbon Nanomaterials. Advances in Chemical and Materials Engineering Book Series, 2019, , 1-33.	0.2	2
1448	A Finite Element Study of Crack Behavior for Carbon Na-notube Reinforced Bone Cement. World Journal of Mechanics, 2013, 03, 13-21.	0.1	18
1449	Experimental Study on Improving Compressive Strength of MWCNT Reinforced Cementitious Composites. Journal of the Korea Concrete Institute, 2014, 26, 63-70.	0.1	10
1450	A Review on Thermal Conductivity of Polymer Composites Using Carbon-Based Fillers : Carbon Nanotubes and Carbon Fibers. Carbon Letters, 2010, 11, 347-356.	3.3	53
1451	Preparation and Characteristics of Conducting Polymer-Coated MWCNTs as Electromagnetic Interference Shielding Materials. Carbon Letters, 2011, 12, 48-52.	3.3	29
1452	Mechanical and thermal properties of MWCNT-reinforced epoxy nanocomposites by vacuum assisted resin transfer molding. Carbon Letters, 2014, 15, 32-37.	3.3	23
1453	Mechanical and Morphological Properties of Films Based on Ultrasound Treated Titanium Dioxide Dispersion/Natural Rubber Latex. International Journal of Composite Materials, 2012, 1, 7-13.	0.3	8
1454	Can Carbon Nanotubes Make Wonders in Civil/Structural Engineering?. Progress in Nanotechnology and Nanomaterials, 2013, 2, 117-129.	1.3	15
1455	Preparation and Electrical Properties of Epoxy Resin Reinforced with Functionalized Carbon Nanotubes. IOSR Journal of Applied Physics, 2014, 6, 54-56.	0.1	2
1456	Concentration Dependent Debundling and Single Tube Dispersions of Pristine Multiwalled Carbon Nanotubes Functionalized with Double Tail Phospholipids. Nanotechnology, 2021, 33, .	1.3	0
1458	Recent progress and future perspectives on carbon-nanomaterial-dispersed liquid crystal composites. Journal Physics D: Applied Physics, 2022, 55, 083002.	1.3	39
1459	Effect of MWCNTs Functionalization on Thermal, Electrical, and Ammonia-Sensing Properties of MWCNTs/PMMA and PHB/MWCNTs/PMMA Thin Films Nanocomposites. Nanomaterials, 2021, 11, 2625.	1.9	12

#	Article	IF	Citations
1460	CNT toughened aluminium and CFRP interface for strong adhesive bonding. Nano Materials Science, 2022, 4, 266-275.	3.9	10
1461	Prediction of the stiffness of CNTB/polymer composite on the consideration of agglomeration, waviness and porosity. Mechanics of Advanced Materials and Structures, 2022, 29, 7075-7085.	1.5	1
1462	Evaluation of properties of polymer concrete based on epoxy resin and functionalized carbon nanotubes. Construction and Building Materials, 2021, 309, 125155.	3.2	8
1463	Enhancing mechanical and biomedical properties of protheses - Surface and material design. Surfaces and Interfaces, 2021, 27, 101498.	1.5	22
1464	Polymer Nanocomposites. Mechanical Engineering, 2007, , .	0.0	0
1465	Polymer Nanocomposites and their Structure and Properties. A Review. International Polymer Science and Technology, 2010, 37, 1-6.	0.1	1
1466	Manufacturing and Characteristics Analysis of PU/MWNT Composite Film for Forming. Textile Coloration and Finishing, 2010, 22, 362-372.	0.0	3
1467	Dispersion of CNTs. , 2011, , 39-67.		0
1468	Highly Conducting Carbon Nanotube Composite for Light-Weight Electric Heating Unit Applications. International Symposium on Microelectronics, 2012, 2012, 000366-000370.	0.3	0
1470	Applied TEM Approach for Micro/Nanostructural Characterization of Carbon Nanotube Reinforced Cementitious Composites. Journal of Research Updates in Polymer Science, 2012, 1, 14-23.	0.3	3
1471	Effect of Slag Particle Size and Volume Fraction on Mechanical Properties of Slag Reinforced Composite. Composites Research, 2013, 26, 218-222.	0.1	0
1472	Effect of TiO2 and ZnS Fillers on the Bending Characteristics of GFRP Composites under Varied Flaw Configurations. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2013, 3, 30-43.	0.3	0
1473	Applications of Nanomaterials in Construction Industry. Advances in Chemical and Materials Engineering Book Series, 2014, , 164-175.	0.2	0
1475	Spinning. Seikei-Kakou, 2014, 26, 317-324.	0.0	0
1477	Effect of Fluorination of Carbon Nanotubes on Physico-chemical and EMI Shielding Properties of Polymer Composites. Porrime, 2015, 39, 114-121.	0.0	2
1479	Robust Aligned Carbon Nanotube Tape with Excellent Piezoelectric Properties. Recent Patents on Space Technology, 2015, 4, 110-118.	0.1	0
1481	Electronic Applications of Chloroprene Rubber and Its Composites. Springer Series on Polymer and Composite Materials, 2016, , 279-304.	0.5	3
1482	Synthesis of Nanocomposite Membranes. , 2015, , 69-88.		0

#	Article	IF	Citations
1484	Functional Properties. Engineering Materials and Processes, 2016, , 227-261.	0.2	0
1485	Self-Repairing Photoelectrochemical Complexes Based on Nanoscale Synthetic and Biological Components. , 2016, , 3622-3631.		0
1486	Utilization and perspective of carbon nanotube/polyaniline composites as anode for improvement of MFC. , 2016, , .		0
1487	Multiwalled Carbon Nanotubes. , 2017, , 97-120.		0
1488	Nanotechnology in Engineered Membranes. , 2017, , 802-824.		0
1489	Applications of Nanomaterials in Construction Industry. , 2017, , 846-858.		0
1490	Carbon Nanotube-Based Biodegradable Polymeric Nanocomposites: 3Rs (Reduce, Reuse, and Recycle) in the Design. , 2017, , 1-17.		0
1491	Solution-processable transparent conducting films by defunctionalization of amine functionalized carbon nanotubes. Journal of Photonics for Energy, 2018, 8, 1.	0.8	1
1492	Simultaneous reinforcing and toughening of PTFE/glass fabric composites based on polyaniline/carbon microcapsule network. Micro and Nano Letters, 2018, 13, 1615-1620.	0.6	0
1493	SOME STUDIES OF MECHANICAL AND THERMAL BEHAVIOUR OF CNT BASED E-GLASS FIBRE COMPOSITES. I-managerâ€™s Journal on Mechanical Engineering, 2019, 9, 18.	0.4	1
1494	Carbon Nanotube-Based Biodegradable Polymeric Nanocomposites: 3Rs (Reduce, Reuse, and Recycle) in the Design. , 2019, , 2787-2802.		0
1495	Processing of Polymer-Based Nanocomposites in Advanced Engineering and Military Application. Advances in Chemical and Materials Engineering Book Series, 2019, , 1-9.	0.2	0
1496	Architect of Polymer Nanocomposites for Aerospace Applications. Advances in Chemical and Materials Engineering Book Series, 2019, , 163-205.	0.2	1
1497	Materials That Make Robots Smart. Springer Proceedings in Advanced Robotics, 2020, , 41-48.	0.9	0
1498	Corrosion challenges in petroleum refinery operations: Sources, mechanisms, mitigation, and future outlook. Journal of Saudi Chemical Society, 2021, 25, 101370.	2.4	39
1499	Evaluation of fracture toughness of epoxy polymer composite incorporating micro/nano silica, rubber and CNTs. Polimeros, 2020, 30, .	0.2	10
1501	Carbon Nanotube Composites with Bottlebrush Elastomers for Compliant Electrodes. ACS Polymers Au, 2022, 2, 27-34.	1.7	6
1502	Functionalization of multi-walled carbon nanotubes with 3-aminopropyltriethoxysilane for application in cementitious matrix. Construction and Building Materials, 2021, 311, 125358.	3.2	16

#	Article	IF	Citations
1503	Nanotechnology in Engineered Membranes. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 50-71.	0.3	0
1504	From Unidimensional Carbonaceous Materials to Multidimensional Structures Through Molecular Modeling. , 2021, , 1-21.		0
1505	Dispersion and Alignment of Carbon Nanotubes in Polymer Matrix. , 2021, , 1-35.		0
1506	Graphene nanomaterials in aerospace applications. , 2022, , 223-244.		0
1507	Nanomaterials. , 2022, , 77-125.		5
1508	Nanocomposite of Fullerenes and Natural Rubbers: MARTINI Force Field Molecular Dynamics Simulations. Polymers, 2021, 13, 4044.	2.0	6
1509	Promise of nano-carbon to the next generation sustainable agriculture. Carbon, 2022, 188, 461-481.	5.4	27
1511	Properties and Characterization Techniques for Waterborne Polyurethanes. Advances in Science, Technology and Innovation, 2021, , 109-123.	0.2	9
1512	Piezo-driven jet valve dispensing of carbon nanotube-loaded composites: optimisation and characterisation. Nanocomposites, 2021, 7, 200-214.	2.2	7
1513	Introducing cyano-functionalized multiwalled carbon nanotubes to improve corrosion resistance and mechanical performance of poly(arylene ether nitrile) coating. Surface and Coatings Technology, 2022, 432, 128058.	2.2	10
1514	Achieving parallelly-arranged Ti3C2Tx in epoxy coating for anti-corrosive/wear high-efficiency protection. Composites Part B: Engineering, 2022, 231, 109581.	5.9	59
1515	A review of filamentous carbon nanomaterial synthesis via catalytic conversion of waste plastic pyrolysis products. Journal of Environmental Chemical Engineering, 2022, 10, 107049.	3.3	23
1516	Rheological Properties and Sedimentation Stability of Polyanionic Cellulose-Microbarite Compositions in Aqueous Medium. Polymer Science - Series B, 2021, 63, 894-904.	0.3	1
1517	Thermotropic liquid crystalline/multiwalled carbon nanotubes nanocomposites. , 2022, , 91-116.		0
1518	Performance Evaluation of MWCNTs Reinforced Cement Mortar Composites using Natural and Commercial Surfactants. Journal Wuhan University of Technology, Materials Science Edition, 2022, 37, 47-57.	0.4	2
1519	Metal Nanocompositesâ€"Emerging Advanced Materials for Efficient Carbon Capture. Energy, Environment, and Sustainability, 2022, , 91-127.	0.6	1
1520	Liquid crystal polymer nanocomposites: Challenges and opportunities. , 2022, , 1-22.		1
1521	A Review of Nanocarbon-Based Solutions for the Structural Health Monitoring of Composite Parts Used in Renewable Energies. Journal of Composites Science, 2022, 6, 32.	1.4	8

#	Article	IF	Citations
1522	Surface and internal modification of composite ion exchange membranes for removal of molybdate, phosphate, and nitrate from polluted groundwater. Arabian Journal of Chemistry, 2022, 15, 103747.	2.3	13
1524	Magnetic field-induced orientation of Fe3O4-GO and toughening effect on epoxy resin. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	1
1525	Recent advances in high-strength and high-toughness polyurethanes based on supramolecular interactions. Polymer Chemistry, 2022, 13, 2420-2441.	1.9	23
1527	Cellulose-based fiber spinning processes using ionic liquids. Cellulose, 2022, 29, 3079-3129.	2.4	47
1528	Tuning Interparticle Contacts and Transport Properties of Maghemiteâ€“Thermoset Nanocomposites by Applying Oscillating Magnetic Fields. ACS Applied Materials & Interfaces, 2022, 14, 16601-16610.	4.0	5
1529	Characterising the response of novel 3D printed CNT electrodes to the virulence factor pyocyanin. Journal of Electroanalytical Chemistry, 2022, 909, 116149.	1.9	5
1530	Semi-Continuous Heterophase Polymerization to Synthesize Poly(methacrylic acid)-Based Nanocomposites for Drug Delivery. Polymers, 2022, 14, 1195.	2.0	6
1531	Experimental characterisation and modelling of the strain rate dependent mechanical response of a filled thermo-reversible supramolecular polyurethane. International Journal of Impact Engineering, 2022, 166, 104239.	2.4	1
1532	Chapter 5: A critical review of carbon fiber and related products from an industrial perspective. Advanced Industrial and Engineering Polymer Research, 2022, 5, 90-106.	2.7	10
1533	Magnetically induced robust anisotropic structure of multi-walled carbon nanotubes/Ni for high-performance flexible strain sensor. Carbon, 2022, 194, 185-196.	5.4	23
1534	Impacts of ingested MWCNT-Embedded nanocomposites in Japanese medaka (Oryzias latipes). Nanotoxicology, 2021, 15, 1403-1422.	1.6	3
1535	Boosting optical and electrical characteristics of polyvinyl alcohol/carboxymethyl cellulose nanocomposites by <scp>GNPs</scp> / <scp>MWCNTs</scp> fillers as an application in energy storage devices. International Journal of Energy Research, 2022, 46, 6216-6224.	2.2	26
1538	Kinetics of single-walled carbon nanotube migration in epoxy resin under DC electric field. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	4
1539	Impact of nano-filler WC on the fracture strength of epoxy resin. Materials Today: Proceedings, 2022, 59, 1420-1424.	0.9	4
1540	Effect of CNT-COOH Addition on the Compressive Strength, Chloride Resistance, and Microstructure of Cement Mortar. Advances in Materials Science and Engineering, 2022, 2022, 1-9.	1.0	0
1541	Development of a biopolymer modified geopolymer based cementitious material for enhancement of pumpable roof support. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	1.3	2
1542	New Perspectives in SWCNT Applications: Tuball SWCNTs. Part 2. New Composite Materials through Augmentation with Tuball.. Carbon Trends, 2022, 8, 100176.	1.4	8
1545	A comparative experimental study on damping properties of epoxy nanocomposite beams reinforced with carbon nanotubes and graphene nanoplatelets. Nanotechnology Reviews, 2022, 11, 1658-1669.	2.6	21

#	Article	IF	Citations
1546	Effect of Graphene Nanoplatelets on Mechanical Performance of GFRP Composites. Materials Science Forum, 0, 1059, 73-80.	0.3	0
1547	Hybrid Time-Dependent Ginzburgâ€“Landau Simulations of Block Copolymer Nanocomposites: Nanoparticle Anisotropy. Polymers, 2022, 14, 1910.	2.0	2
1548	Eco-friendly treatment of carbon nanofibers in cementitious materials for better performance. Case Studies in Construction Materials, 2022, 16, e01126.	0.8	1
1549	Effect of dual-modified CNTs on strength and chloride resistance of cementitious systems. Advances in Cement Research, 0, , 1-44.	0.7	0
1550	Longâ€chain branching of polyethylene terephthalate: Rheological/thermal properties of polyethylene terephthalate/carbon nanotube nanocomposite. Polymer Engineering and Science, 2022, 62, 2322-2334.	1.5	3
1551	Advances on Thermally Conductive Epoxyâ€Based Composites as Electronic Packaging Underfill Materialsâ€”A Review. Advanced Materials, 2022, 34, e2201023.	11.1	61
1552	Mobility of Polymer Melts in a Regular Array of Carbon Nanotubes. Journal of Chemical Theory and Computation, 2022, 18, 3285-3295.	2.3	1
1553	Synthesis and Characterization of Strontium Doped Graphene Oxide Nanocomposite for the Electrochemical Decoloration of a Textile Dye from Aqueous Medium. International Journal of Advanced Research in Science, Communication and Technology, 0, , 38-45.	0.0	0
1554	Highâ€performance crystallized composite carbon nanoparticles/polyimide fibers. Journal of Applied Polymer Science, 2022, 139, .	1.3	7
1555	Challenges, Opportunities and Future Directions of Membrane Technology for Natural Gas Purification: A Critical Review. Membranes, 2022, 12, 646.	1.4	12
1556	Ni/CNTs and carbon coating engineering to synergistically optimize the interfacial behaviors of TiO2 for thermal conductive microwave absorbers. Chemical Engineering Journal, 2022, 448, 137600.	6.6	45
1557	Effect of Phosphonium-Based Ionic Liquid Content in Curing Epoxy Resin/Carbon Nanotubes Systems. Advanced Engineering Forum, 0, 46, 15-21.	0.3	0
1558	Excellent Photonic and Mechanical Properties of Macromorphic Fibers Formed by Eu3+-Complex-Anchored, Unzipped, Multiwalled Carbon Nanotubes. Materials, 2022, 15, 4933.	1.3	0
1559	Influence of nanocomposite preparation techniques on the multifunctional properties of carbon fabricâ€reinforced polystyreneâ€based composites with carbon nanotubes. SPE Polymers, 2022, 3, 163-175.	1.4	8
1560	Hybrid Platforms of Silicon Nanowires and Carbon Nanotubes in an Ionic Liquid Bucky Gel. Molecules, 2022, 27, 4412.	1.7	2
1561	A Single-material-printed, Low-cost design for a Carbon-based fabric strain sensor. Materials and Design, 2022, 221, 110926.	3.3	12
1562	Coupled dynamics of double beams reinforced with bidirectional functionally graded carbon nanotubes. Engineering Analysis With Boundary Elements, 2022, 143, 263-282.	2.0	16
1563	Effect of the Surface Functionalization of Graphene and MWCNT on the Thermodynamic, Mechanical and Electrical Properties of the Graphene/MWCNT-PVDF Nanocomposites. Polymers, 2022, 14, 2976.	2.0	6

#	Article	IF	Citations
1564	Metal supported graphene catalysis: A review on the benefits of nanoparticular supported specialty sp2 carbon catalysts on enhancing the activities of multiple chemical transformations. Carbon Trends, 2022, 9, 100196.	1.4	22
1565	Aqueous Dispersion of Carbon Nanomaterials with Cellulose Nanocrystals: An Investigation of Molecular Interactions. Small, 2022, 18, .	5.2	9
1566	Determination of activation energy for carbon/epoxy prepregs containing carbon nanotubes by differential scanning calorimetry. High Performance Polymers, 0, , 095400832211159.	0.8	0
1567	Magnetic Self-Assembled Pearl Necklace-like Microstructure for Improving the Performance of a Flexible Strain Sensor. ACS Applied Electronic Materials, 2022, 4, 4160-4172.	2.0	4
1568	Effect of MWNT Functionalization with Tunable-Length Block Copolymers on Dispersity of MWNTs and Mechanical Properties of Epoxy/MWNT Composites. Polymers, 2022, 14, 3137.	2.0	1
1569	Rheological and Mechanical Properties of Thermoplastic Crystallizable Polyimide-Based Nanocomposites Filled with Carbon Nanotubes: Computer Simulations and Experiments. Polymers, 2022, 14, 3154.	2.0	7
1570	Comparison of compressive fatigue performance of cementitious composites with different types of carbon nanotube. International Journal of Fatigue, 2022, 165, 107178.	2.8	5
1571	Synthesis and characterization of aramid composites reinforced with silanized graphene platelets. RSC Advances, 2022, 12, 26753-26762.	1.7	0
1572	Interface and Interphase in Carbon Nanotube-Based Polymer Composites. , 2022, , 147-168.		2
1573	Research of the Carbon Nanotube Cementitious Sensor Based on Pore Conductivity Model. SSRN Electronic Journal, 0, , .	0.4	0
1574	Carbon Nanotube Based Nano-Composites: Introduction, Mechanism and Finite Element Analysis. , 2022, , 1-26.		0
1575	Interfacial interactions and reinforcing mechanisms of cellulose and chitin nanomaterials and starch derivatives for cement and concrete strength and durability enhancement: A review. Nanotechnology Reviews, 2022, 11, 2673-2713.	2.6	3
1576	Study of mechanical anisotropy of single walled carbon nanotube and polyvinyl alcohol polymer nanocomposite with a controlled alignment process. Journal of Polymer Research, 2022, 29, .	1.2	1
1577	Electrically Conductive Adhesive Based on Thermoplastic Hot Melt Copolyamide and Multi-Walled Carbon Nanotubes. Polymers, 2022, 14, 4371.	2.0	2
1578	Carbon Nanotubeâ€"Based Nano-Composites: Introduction, Mechanism, and Finite Element Analysis. , 2022, , 917-942.		0
1579	Carbon Nanotubes in Regenerative Medicine. , 2022, , 1687-1737.		0
1580	Dispersion and Alignment of Carbon Nanotubes in Polymer Matrix. , 2022, , 741-774.		0
1581	Aligned multi-walled carbon nanotube-embodied hydrogel via low magnetic field: A strategy for engineering aligned injectable scaffolds. Composites Part B: Engineering, 2023, 248, 110398.	5.9	4

#	Article	IF	Citations
1582	Characterization and optimization of 3D-printed, flexible vibration strain sensors with triply periodic minimal surfaces. Additive Manufacturing, 2023, 61, 103274.	1.7	1
1583	Spontaneous formation of uniform 1D/2D amorphous carbon nanostructures upon fracture of CNT-concentrated ceramics. Carbon, 2023, 203, 230-236.	5.4	1
1584	Dielectric and Electrical Conductivity Studies of Carbon Nanotubeâ€Polymer Composites. , 2022, , 1209-1233.		0
1585	Anisotropic hydrogels with high-sensitivity and self-adhesion for wearable sensors. Journal of Materials Chemistry C, 2022, 11, 196-203.	2.7	13
1586	Functionalized and non-functionalized multi walled carbon nanotubes in the anisotropic media of liquid crystalline material. Journal of Molecular Liquids, 2023, 369, 120889.	2.3	9
1587	Carbon Nanotubes: Smart Materials for the Active Elimination of Electromagnetic Interference. Iranian Journal of Science and Technology, Transaction A: Science, 2022, 46, 1749-1760.	0.7	0
1588	Computational Micromechanics Investigation of Percolation and Effective Electro-Mechanical Properties of Carbon Nanotube/Polymer Nanocomposites using Stochastically Generated Realizations: Effects of Orientation and Waviness. Polymers, 2022, 14, 5094.	2.0	4
1589	Mixing carbon nanotubes with asphalt binder through a foaming process toward high-performance warm mix asphalt (WMA). International Journal of Pavement Engineering, 2023, 24, .	2.2	0
1590	Nanocomposite phase change materials for high-performance thermal energy storage: A critical review. Energy Storage Materials, 2023, 55, 727-753.	9.5	37
1591	Advances in Civil Engineering Materials. Lecture Notes in Civil Engineering, 2023, , .	0.3	1
1592	Dispersion and orientation patterns in nanorod-infused polymer melts. Journal of Chemical Physics, 2023, 158, .	1.2	3
1593	Simulating Electrical Conductivity of Graphene-Filled System by Developing McLachlan Model Applicable to Breast Cancer Biosensors. Jom, 0, , .	0.9	0
1594	Carbon-Based Piezoresistive Polymer Nanocomposites by Extrusion Additive Manufacturing: Process, Material Design, and Current Progress. 3D Printing and Additive Manufacturing, 0, , .	1.4	2
1595	Thermal degradation of organicâ€“inorganic hybrid materials. , 2023, , 227-249.		0
1596	Fullerene grafted polymers: Covalent means. , 2023, , 21-42.		0
1597	Multifunctional polymer/carbonaceous nanocomposites for aerospace applications. , 2023, , 55-83.		5
1598	Carbonaceous nanofillers in polymer matrix. , 2023, , 23-53.		0
1599	Non-linear buckling analysis of MWCNT reinforced hybrid composite shell subjected to hydrostatic pressure: A numerical and experimental investigation. Mechanics of Advanced Materials and Structures, 0, , 1-15.	1.5	1

#	Article	IF	Citations
1600	Fabrication of Low Electrical Percolation Threshold Multi-Walled Carbon Nanotube Sensors Using Magnetic Patterning. Applied Sciences (Switzerland), 2023, 13, 1437.	1.3	1
1601	Topology-controlled thermomechanical properties of diamond nanothread enhanced polymeric materials. Applied Materials Today, 2023, 32, 101822.	2.3	3
1602	Influence of carbon nanotube on properties of concrete: A review. Construction and Building Materials, 2023, 369, 130388.	3.2	56
1603	Influence of Mechanical Screened Recycled Coarse Aggregates on Properties of Self-Compacting Concrete. Materials, 2023, 16, 1483.	1.3	3
1604	Process parameters optimization of carbon nano tube based catalytic transesterification of algal oil. Materials Today: Proceedings, 2023, , .	0.9	0
1605	Radial Alignment of Carbon Nanotubes via Deadâ€End Filtration. Small, 2023, 19, .	5.2	0
1606	Influence of the MWCNTs on the properties of the HDPEâ€‰+â€‰X% MWCNTs nanocomposites. Applied Nanoscience (Switzerland), 0, , .	1.6	1
1607	Using Wool Keratin as a Structural Biomaterial and Natural Mediator to Fabricate Biocompatible and Robust Bioelectronic Platforms. Advanced Science, 2023, 10, .	5.6	13
1608	Extremely Strong and Tough Biodegradable Poly(urethane) Elastomers with Unprecedented Crack Tolerance via Hierarchical Hydrogenâ€Bonding Interactions. Advanced Materials, 2023, 35, .	11.1	53
1609	Impact strength and fracture behavior of Halloysite nanotube (HNT)-modified carbon fiber-reinforced polymers (CFRPs) based on the electrophoretic dispersion (EPD) process. Modern Physics Letters B, 2023, 37, .	1.0	2
1610	Commercialization and economic issues of nanocomposites. , 2023, , 615-624.		0
1611	Carbon nanotubes/polyaniline as hydrogen gas sensor: Optical bandgap, micro-morphology, and skin depth studies. AIP Advances, 2023, 13, .	0.6	3
1612	Mechanical Properties and Corrosion Behavior of Dual-Filler-Epoxy-Coated Steel Rebar under a Corrosive Environment. Coatings, 2023, 13, 604.	1.2	0
1613	Effect of NH₂-MWCNTs sprayed carbon fiber on the mechanical properties of carbon fiber reinforced polycarbonate composite for lightweight structural applications. Journal of Composite Materials, 2023, 57, 1847-1861.	1.2	1
1614	Fabrication of lightweight and biodegradable EMI shield films with selective distribution of 1D carbonaceous nanofiller into the co-continuous binary polymer matrix. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	7
1616	An Experimental Design Methodology to Evaluate the Key Parameters on Dispersion of Carbon Nanotubes Applied in Soil Stabilization. Applied Sciences (Switzerland), 2023, 13, 4880.	1.3	2
1617	Contemporary and Looming Applications of Carbon Nanotubes. Macromolecular Symposia, 2023, 407, .	0.4	0
1627	Carbon Nanotubes Particles: Processing, Mechanical Properties and Application. , 2023, , 19-49.		0

#	Article	IF	Citations
1628	Modeling and Characterization of Carbon Nano Tube Nanocomposites. , 2023, , 140-146.		0
1629	Waste-to-Materials/Energy. Impact of Meat Consumption on Health and Environmental Sustainability, 2023, , 86-103.	0.4	0
1641	Fabrication, Morphologies and Mechanical Properties of Carbon Nanotube Based Polymer Nanocomposites. , 2012, , 225-250.		0
1647	Deformation Mechanisms of Functionalized Carbon Nanotube Reinforced Polymer Nanocomposites. , 2009, , 341-375.		0
1648	Creep and Fatigue Behavior of Polymer Nanocomposites. , 2009, , 301-339.		0
1649	Structural analysis of hybrid composite materials. , 2023, , 197-215.		0
1653	Nanocomposite of PVC with CNT. Engineering Materials, 2024, , 241-260.	0.3	0
1666	Shape memory polymerâ€“based nanocomposites. , 2024, , 21-39.		0
1670	Polymer nanocomposite films and coatings in aerospace applications. , 2024, , 591-629.		0