Bhanu Pratap Singh

List of Publications by Year in Descending Order

147 papers	6,269 citations	41 h-index	76 g-index
152 ext. papers	7,055 ext. citations	4.6 avg, IF	6.04 L-index

#	Paper	IF	Citations
147	Carbon nanotube incorporated eucalyptus derived activated carbon-based novel adsorbent for efficient removal of methylene blue and eosin yellow dyes. *Bioresource Technology*, **2022**, 344, 126231	11	8
146	Recent advancement in three dimensional graphene-carbon nanotubes hybrid materials for energy storage and conversion applications. *Journal of Energy Storage*, **2022**, 50, 104235	7.8	2
145	Stress-Induced Structural Phase Transition in Polystyrene/NaYF4: Eu3+ Photoluminescent Electrospun Nanofibers. *Journal of Nanomaterials*, **2022**, 2022, 1-10	3.2	0
144	Relaxation and Excitation Rate Modifications by Metal Nanostructures for Solar Energy Conversion Applications. *Journal of Physical Chemistry C*, **2021**, 125, 8090-8097	3.8	1
143	Improved nanomechanical and in-vitro biocompatibility of graphene oxide-carbon nanotube hydroxyapatite hybrid composites by synergistic effect. *Journal of the Mechanical Behavior of Biomedical Materials*, **2021**, 117, 104376	4.1	11
142	Dynamic Optical Study of Flexible Multiwall Carbon Nanotube Paper Using Terahertz Spectroscopy. *Journal of Electronic Materials*, **2021**, 50, 5625-5631	1.9	0
141	A review on conducting carbon nanotube fibers spun via direct spinning technique. *Journal of Materials Science*, **2021**, 56, 1087-1115	4.3	6
140	Highly responsive broadband photodetection in topological insulator - Carbon nanotubes based heterostructure. *Journal of Alloys and Compounds*, **2021**, 851, 156759	5.7	7
139	Optically transparent and lightweight nanocomposite substrate of poly(methyl methacrylate-co-acrylonitrile)/MWCNT for optoelectronic applications: an experimental and theoretical insight. *Journal of Materials Science*, **2021**, 56, 17040-17061	4.3	3
138	A review on 3D graphene□carbon nanotube hybrid polymer nanocomposites. *Journal of Materials Science*, **2021**, 56, 17411-17456	4.3	3
137	Recent advancements in development of different cathode materials for rechargeable lithium ion batteries. *Journal of Energy Storage*, **2021**, 43, 103112	7.8	6
136	Tunable Photoluminescence of Polyvinyl Alcohol Electrospun Nanofibers by Doping of NaYF4: Eu+3 Nanophosphor. *Journal of Nanomaterials*, **2020**, 2020, 1-8	3.2	7
135	Giant pressure sensitivity in piezo/ferro-electric ceramics.. *RSC Advances*, **2020**, 10, 9140-9145	3.7	7
134	A novel fabrication of electrospun polyacrylonitrile/NaYF:Eu light emitting nanofibers.. *RSC Advances*, **2020**, 10, 24855-24861	3.7	2
133	A facile fabrication of poly(methyl methacrylate)/(alpha)-NaYF(_4):Eu(^{3+}) tunable electrospun photoluminescent nanofibers. *Applied Nanoscience (Switzerland)*, **2020**, 10, 3857-3864	3.3	2
132	Materials Metrology and Nanomaterials **2020**, 767-809		
131	Advanced Materials for Strategic and Societal Applications **2020**, 811-879		1

130	Free-standing flexible multiwalled carbon nanotubes paper for wearable thermoelectric power generator. *Journal of Power Sources*, **2020**, 449, 227493	8.9	26
129	A facile way to synthesize an intrinsically ultraviolet-C resistant tough semiconducting polymeric glass for organic optoelectronic device application. *Carbon*, **2020**, 168, 485-498	10.4	6
128	Synergistic bridging effects of graphene oxide and carbon nanotube on mechanical properties of aramid fiber reinforced polycarbonate composite tape. *Composites Science and Technology*, **2020**, 199, 108370	8.6	15
127	Optically tunable charge carrier injection in monolayer MoS2. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	1
126	Mechanical, electrical and thermal properties of graphene oxide-carbon nanotube/ ABS hybrid polymer nanocomposites. *Journal of Polymer Research*, **2020**, 27, 1	2.7	9
125	Improved static and dynamic mechanical properties of multiscale bucky paper interleaved Kevlar fiber composites. *Carbon*, **2019**, 152, 631-642	10.4	21
124	Strong Dipole Interaction between Chlorophyll-a Molecules and Surface Plasmon Polaritons. *Journal of Physical Chemistry C*, **2019**, 123, 16965-16972	3.8	3
123	Charge-Induced Lattice Compression in Monolayer MoS2. *Journal of Physical Chemistry C*, **2019**, 123, 17943-17950	3.8	50
122	Strain and plasmonic field induced modifications of material excitation response in monolayer MoS 2. *Journal of Applied Physics*, **2019**, 125, 063101	2.5	6
121	Rice Straw Biomass to High Energy Yield Biocoal by Torrefaction:Indian Perspective. *Current Science* , **2019**, 116, 831	2.2	9
120	Electrochemical performance of Sb2S3/CNT free-standing flexible anode for Li-ion batteries. *Journal of Materials Science*, **2019**, 54, 7110-7118	4.3	21
119	Interleaved MWCNT buckypaper between CFRP laminates to improve through-thickness electrical conductivity and reducing lightning strike damage. *Composite Structures*, **2019**, 210, 581-589	5.3	47
118	Synergetic effect of graphene oxide-carbon nanotube on nanomechanical properties of acrylonitrile butadiene styrene nanocomposites. *Materials Research Express*, **2018**, 5, 045608	1.7	14
117	Dielectric and impedance properties of three dimension graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. *Polymer Testing*, **2018**, 68, 456-466	4.5	25
116	Controlling material birefringence in sapphire via self-assembled, sub-wavelength defects. *Applied Physics B: Lasers and Optics*, **2018**, 124, 1	1.9	1
115	Scavenging phenomenon and improved electrical and mechanical properties of polyaniline□divinylbenzene composite in presence of MWCNT. *International Journal of Mechanics and Materials in Design*, **2018**, 14, 697-708	2.5	10
114	Detailed dynamic mechanical analysis of thermomechanically stable melt-processed PEK□MWCNT nanocomposites. *Polymer Composites*, **2018**, 39, 2587-2596	3	18
113	Enhanced thermomechanical and electrical properties of multiwalled carbon nanotube paper reinforced epoxy laminar composites. *Composites Part A: Applied Science and Manufacturing*, **2018**, 104, 129-138	8.4	37

112	Excellent mechanical properties of long multiwalled carbon nanotube bridged Kevlar fabric. *Carbon* , **2018**, 137, 104-117	10.4	47
111	Tuneable Physicochemical Properties of Thermally Annealed Graphene Oxide Powder and Thin Films. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 1763-1771	1.3	10
110	Significant improvement in static and dynamic mechanical properties of graphene oxide carbon nanotube acrylonitrile butadiene styrene hybrid composites. *Journal of Materials Science*, **2018**, 53, 2520-2536	4.3	26
109	Design of MWCNT bucky paper reinforced PANI DBSA DVB composites with superior electrical and mechanical properties. *Journal of Materials Chemistry C*, **2018**, 6, 12396-12406	7.1	23
108	On-line rheology of pearl millet flours during extrusion: Effect of native amylose. *Journal of Food Process Engineering*, **2018**, 41, e12924	2.4	3
107	Phase transition and anomalous rheological properties of graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. *Composites Part B: Engineering*, **2018**, 154, 337-350	10	18
106	Highly Luminescent Dual Mode Polymeric Nanofiber-Based Flexible Mat for White Security Paper and Encrypted Nanotaggant Applications. *Chemistry - A European Journal*, **2018**, 24, 9477-9484	4.8	19
105	Multifunctional Ni-NiO-CNT Composite as High Performing Free Standing Anode for Li Ion Batteries and Advanced Electro Catalyst for Oxygen Evolution Reaction. *Electrochimica Acta*, **2017**, 230, 98-105	6.7	60
104	Exciton Emission Intensity Modulation of Monolayer MoS via Au Plasmon Coupling. *Scientific Reports*, **2017**, 7, 41175	4.9	41
103	Self-healing Polymer Composites Based on Graphene and Carbon Nanotubes. *Springer Series on Polymer and Composite Materials*, **2017**, 119-152	0.9	2
102	In-situ Conversion of Multiwalled Carbon Nanotubes to Graphene Nanosheets: An Increasing Capacity Anode for Li Ion Batteries. *Electrochimica Acta*, **2017**, 231, 255-263	6.7	12
101	Simultaneous Co-Doping of Nitrogen and Fluorine into MWCNTs: An In-Situ Conversion to Graphene Like Sheets and Its Electro-Catalytic Activity toward Oxygen Reduction Reaction. *Journal of the Electrochemical Society*, **2017**, 164, F568-F576	3.9	19
100	Structural and mechanical properties of free-standing multiwalled carbon nanotube paper prepared by an aqueous mediated process. *Journal of Materials Science*, **2017**, 52, 7503-7515	4.3	15
99	Irreversible tunability of through-thickness electrical conductivity of polyaniline-based CFRP by de-doping. *Composites Science and Technology*, **2017**, 152, 20-26	8.6	24
98	Free-standing flexible MWCNTs bucky paper: Extremely stable and energy efficient supercapacitive electrode. *Electrochimica Acta*, **2017**, 249, 395-403	6.7	46
97	Structural and optical tunability of metallodielectric composites with gradual shell growth **2016**, 86, 147-155		1
96	Dielectric and Raman studies of Ba0.06(Na1/2Bi1/2)0.94TiO3 NaNbO3 ceramics. *Materials Science-Poland*, **2016**, 34, 437-445	0.6	5
95	Influence of laser repetition rate on the structural and optical properties of GaN layers grown on sapphire (0001) by laser molecular beam epitaxy. *CrystEngComm*, **2016**, 18, 744-753	3.3	28

94	Substrate bias induced synthesis of flowered-like bunched carbon nanotube directly on bulk nickel. *Materials Research Bulletin*, **2016**, 74, 156-163	5.1	4
93	Detailed dynamic rheological studies of multiwall carbon nanotube-reinforced acrylonitrile butadiene styrene composite. *Journal of Materials Science*, **2016**, 51, 2643-2652	4.3	17
92	Excellent mechanical properties of carbon fiber semi-aligned electrospun carbon nanofiber hybrid polymer composites. *RSC Advances*, **2016**, 6, 36715-36722	3.7	37
91	In situ growth of silicon carbide–carbon nanotube composites. *New Journal of Chemistry*, **2016**, 40, 3863-3868	3.3	1
90	Synergistic effect on static and dynamic mechanical properties of carbon fiber-multiwalled carbon nanotube hybrid polycarbonate composites. *RSC Advances*, **2016**, 6, 67954-67967	3.7	13
89	Strictly monolayer large continuous MoS2 films on diverse substrates and their luminescence properties. *Applied Physics Letters*, **2016**, 108, 042101	3.4	38
88	Dynamic mechanical properties of multiwall carbon nanotube reinforced ABS composites and their correlation with entanglement density, adhesion, reinforcement and C factor. *RSC Advances*, **2016**, 6, 3997-4006	3.7	102
87	Lightweight and Easily Foldable MCMB-MWCNTs Composite Paper with Exceptional Electromagnetic Interference Shielding. *ACS Applied Materials & Interfaces*, **2016**, 8, 10600-8	9.5	147
86	Bio-derived hierarchically macro-meso-micro porous carbon anode for lithium/sodium ion batteries. *Journal of Power Sources*, **2016**, 329, 412-421	8.9	82
85	Synthesis, characterization and third-order nonlinear optical properties of polydiacetylene nanostructures, silver nanoparticles and polydiacetylene–silver nanocomposites **2016**, 87, 1		3
84	Synthesis, structural and field emission properties of multiwall carbon nanotube-graphene-like nanocarbon hybrid films grown by microwave plasma enhanced chemical vapor deposition. *Materials Chemistry and Physics*, **2015**, 156, 38-46	4.4	17
83	Electro-mechanical properties of free standing micro- and nano-scale polymer-ceramic composites for energy density capacitors. *Journal of Alloys and Compounds*, **2015**, 648, 698-705	5.7	13
82	Controlled substitution of S by Se in reactively sputtered CZTSSe thin films for solar cells. *Journal of Alloys and Compounds*, **2015**, 648, 595-600	5.7	41
81	Development of SnO2/Multiwalled Carbon Nanotube Paper as Free Standing Anode for Lithium Ion Batteries (LIB). *Electrochimica Acta*, **2015**, 176, 735-742	6.7	31
80	Electroforming free high resistance resistive switching of graphene oxide modified polar-PVDF. *RSC Advances*, **2015**, 5, 57406-57413	3.7	24
79	Depression in glass transition temperature of multiwalled carbon nanotubes reinforced polycarbonate composites: effect of functionalization. *RSC Advances*, **2015**, 5, 43462-43472	3.7	32
78	Polymer nanocomposite foam filled with carbon nanomaterials as an efficient electromagnetic interference shielding material. *RSC Advances*, **2015**, 5, 43036-43057	3.7	103
77	Growth of dense CNT on the multilayer graphene film by the microwave plasma enhanced chemical vapor deposition technique and their field emission properties. *RSC Advances*, **2015**, 5, 90111-90120	3.7	8

76	Localized surface plasmon and exciton interaction in silver-coated cadmium sulphide quantum dots **2015**,		1
75	Excellent impact strength of ethylene-methyl acrylate copolymer toughened polycarbonate. *RSC Advances*, **2015**, 5, 87589-87597	3.7	12
74	Superior mechanical and electrical properties of multiwall carbon nanotube reinforced acrylonitrile butadiene styrene high performance composites. *Composites Part B: Engineering*, **2015**, 83, 58-65	10	104
73	Probing the engineered sandwich network of vertically aligned carbon nanotube□educed graphene oxide composites for high performance electromagnetic interference shielding applications. *Carbon*, **2015**, 85, 79-88	10.4	123
72	Barium ferrite decorated reduced graphene oxide nanocomposite for effective electromagnetic interference shielding. *Physical Chemistry Chemical Physics*, **2015**, 17, 1610-8	3.6	150
71	Green synthesis of wurtzite copper zinc tin sulfide nanocones for improved solar photovoltaic utilization. *Applied Nanoscience (Switzerland)*, **2015**, 5, 163-167	3.3	9
70	Power- and polarization-dependent supercontinuum generation in BaB2O4 crystals by intense, near-infrared, femtosecond laser pulses. *Physical Review A*, **2015**, 91,	2.6	5
69	Microwave shielding properties of Co/Ni attached to single walled carbon nanotubes. *Journal of Materials Chemistry A*, **2015**, 3, 13203-13209	13	84
68	Analysis of multi-wall carbon nanotube based porous Li battery electrodes□using TOF-SIMS ion imaging. *Applied Surface Science*, **2015**, 349, 644-649	6.7	5
67	Solvent Free, Efficient, Industrially Viable, Fast Dispersion Process Based Amine Modified MWCNT Reinforced Epoxy Composites Of Superior Mechanical Properties. *Advanced Materials Letters*, **2015**, 6, 104-113	2.4	58
66	Sandwich composites of polyurethane reinforced with poly(3,4-ethylene dioxythiophene)-coated multiwalled carbon nanotubes with exceptional electromagnetic interference shielding properties. *RSC Advances*, **2015**, 5, 75229-75238	3.7	16
65	Superior nano-mechanical properties of reduced graphene oxide reinforced polyurethane composites. *RSC Advances*, **2015**, 5, 16921-16930	3.7	43
64	Structural, Field Emission and Ammonia Gas Sensing Properties of Multiwalled Carbon Nanotube-Graphene Like Hybrid Films Deposited by Microwave Plasma Enhanced Chemical Vapor Deposition Technique. *Science of Advanced Materials*, **2015**, 7, 1424-1434	2.3	9
63	Designing Of MWCNT/ Ferrofluid/ Flyash Multiphase Composite As Safeguard For Electromagnetic Radiation. *Advanced Materials Letters*, **2015**, 6, 585-591	2.4	5
62	Economic Growth Of Vertically Aligned Multiwalled Carbon Nanotubes In Nitrogen Atmosphere. *Advanced Materials Letters*, **2015**, 6, 1094-1097	2.4	2
61	Effect Of Annealing Time On The Composition, Microstructure And Band Gap Of Copper Zinc Tin Sulfide Thin Films. *Advanced Materials Letters*, **2015**, 6, 2-7	2.4	20
60	Mechanical and electrical properties of multiwall carbon nanotube/polycarbonate composites for electrostatic discharge and electromagnetic interference shielding applications. *RSC Advances*, **2014**, 4, 13839	3.7	122
59	Growth of carbon nanotube filaments on carbon fiber cloth by catalytic chemical vapor deposition. *Applied Nanoscience (Switzerland)*, **2014**, 4, 997-1003	3.3	7

58	Multi-walled carbon nanotube-graphene-polyaniline multiphase nanocomposite with superior electromagnetic shielding effectiveness. *Nanoscale*, **2014**, 6, 842-51	7.7	250
57	New insight into the shape-controlled synthesis and microwave shielding properties of iron oxide covered with reduced graphene oxide. *RSC Advances*, **2014**, 4, 62413-62422	3.7	21
56	Mechanical and electrical properties of high performance MWCNT/polycarbonate composites prepared by an industrial viable twin screw extruder with back flow channel. *RSC Advances*, **2014**, 4, 64649-64658	3.7	41
55	Investigations on phosphorous doped hydrogenated amorphous silicon carbide thin films deposited by a filtered cathodic vacuum arc technique for photo detecting applications. *RSC Advances*, **2014**, 4, 54388-54397	3.7	6
54	Performance of a nanoarchitectured tin oxide@reduced graphene oxide composite as a shield against electromagnetic polluting radiation. *RSC Advances*, **2014**, 4, 25904-25911	3.7	31
53	MnO2 decorated graphene nanoribbons with superior permittivity and excellent microwave shielding properties. *Journal of Materials Chemistry A*, **2014**, 2, 4256	13	189
52	Room temperature lead-free relaxor–antiferroelectric electroceramics for energy storage applications. *RSC Advances*, **2014**, 4, 22840-22847	3.7	84
51	Multifunctional, robust, light-weight, free-standing MWCNT/phenolic composite paper as anodes for lithium ion batteries and EMI shielding material. *RSC Advances*, **2014**, 4, 33168-33174	3.7	52
50	Large scale production of three dimensional carbon nanotube pillared graphene network for bi-functional optical properties. *Carbon*, **2014**, 78, 147-155	10.4	23
49	A commercial approach for the fabrication of bulk and nano phosphors converted into highly efficient white LEDs. *RSC Advances*, **2014**, 4, 54936-54947	3.7	39
48	Conducting ferrofluid: a high-performance microwave shielding material. *Journal of Materials Chemistry A*, **2014**, 2, 13159	13	92
47	Encapsulation of Fe2O3 decorated reduced graphene oxide in polyaniline core–shell tubes as an exceptional tracker for electromagnetic environmental pollution. *Journal of Materials Chemistry A*, **2014**, 2, 3581-3593	13	219
46	Tailored polyaniline/barium strontium titanate/expanded graphite multiphase composite for efficient radar absorption. *RSC Advances*, **2014**, 4, 12614	3.7	72
45	Processing and Properties of Carbon Nanotube/Polycarbonate Composites **2014**, 333-364		2
44	Experimental observation of complete and anticipation synchronization of heterogeneous oscillators using a common dynamical environment. *European Physical Journal: Special Topics*, **2014**, 223, 2789-2797	2.3	1
43	Ferroelectric polymer-ceramic composite thick films for energy storage applications. *AIP Advances*, **2014**, 4, 087117	1.5	54
42	Origin of radial breathing mode in multiwall carbon nanotubes synthesized by catalytic chemical vapor deposition. *Carbon*, **2014**, 66, 724-726	10.4	15
41	Enhanced microwave shielding and mechanical properties of multiwall carbon nanotubes anchored carbon fiber felt reinforced epoxy multiscale composites. *Applied Nanoscience (Switzerland)*, **2014**, 4, 421-428	3.3	43

40	Effect of length of carbon nanotubes on electromagnetic interference shielding and mechanical properties of their reinforced epoxy composites. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	52
39	One Step Deposition of Cu2ZnSnSe4 Thin Films Using a Ceramic Quaternary Target. *Advanced Science, Engineering and Medicine*, **2014**, 6, 1285-1289	0.6	3
38	Graphene Synthesized from Solid Carbon Source Using Filtered Cathodic Vacuum Arc Technique for Transparent Conducting and Field Effect Transistor Devices. *Science of Advanced Materials*, **2014**, 6, 2124-2133	2.3	10
37	Synthesis of Vertical Graphene by Microwave Plasma Enhanced Chemical Vapor Deposition Technique. *Environmental Science and Engineering*, **2014**, 559-562	0.2	1
36	Synthesis of Multilayer Graphene by Filtered Cathodic Vacuum Arc Technique. *Environmental Science and Engineering*, **2014**, 651-654	0.2	1
35	Surface strain engineering through Tb doping to study the pressure dependence of exciton-phonon coupling in ZnO nanoparticles. *Journal of Applied Physics*, **2013**, 114, 214309	2.5	2
34	Improved nanoindentation and microwave shielding properties of modified MWCNT reinforced polyurethane composites. *Journal of Materials Chemistry A*, **2013**, 1, 9138	13	244
33	Enhanced microwave shielding and mechanical properties of high loading MWCNT–epoxy composites. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	67
32	Effective improvement of the properties of light weight carbon foam by decoration with multi-wall carbon nanotubes. *Journal of Materials Chemistry A*, **2013**, 1, 5727	13	130
31	Designing of multiwalled carbon nanotubes reinforced polyurethane composites as electromagnetic interference shielding materials. *Journal of Polymer Research*, **2013**, 20, 1	2.7	72
30	High strain rate behavior of multi-walled carbon nanotubes–polycarbonate composites. *Composites Part B: Engineering*, **2013**, 45, 417-422	10	59
29	Few layer graphene synthesized by filtered cathodic vacuum arc technique. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2013**, 31, 040602	1.3	18
28	Fabrication of amperometric bienzymatic glucose biosensor based on MWCNT tube and polypyrrole multilayered nanocomposite. *Journal of Applied Polymer Science*, **2012**, 125, E235	2.9	22
27	Formation of Carbon Nanotube Bucky Paper and Feasibility Study for Filtration at the Nano and Molecular Scale. *Journal of Physical Chemistry C*, **2012**, 116, 19025-19031	3.8	36
26	Enhancement in the thermomechanical properties of carbon fibre-carbon nanotubes-epoxy hybrid composites. *International Journal of Nanotechnology*, **2012**, 9, 1040	1.5	11
25	Designing of epoxy composites reinforced with carbon nanotubes grown carbon fiber fabric for improved electromagnetic interference shielding. *AIP Advances*, **2012**, 2, 022151	1.5	42
24	Enhanced microwave absorption behavior of polyaniline-CNT/polystyrene blend in 12.4–18.0GHz range. *Synthetic Metals*, **2011**, 161, 1522-1526	3.6	234
23	Effect of dispersion conditions on the mechanical properties of multi-walled carbon nanotubes based epoxy resin composites. *Journal of Polymer Research*, **2011**, 18, 1397-1407	2.7	88

22	Designing of multiwalled carbon nanotubes reinforced low density polyethylene nanocomposites for suppression of electromagnetic radiation. *Journal of Nanoparticle Research*, **2011**, 13, 7065-7074	2.3	94
21	Optical detection of the defects associated with the magnetic properties observed in GaN:Gd layers grown by reactive molecular beam epitaxy. *Applied Physics Letters*, **2011**, 99, 072119	3.4	5
20	Polarity selective etching: A self-assisted route for fabricating high density of c-axis oriented tapered GaN nanopillars. *Journal of Applied Physics*, **2011**, 110, 033528	2.5	
19	Enhanced photoelectrochemistry and interactions in cadmium selenide functionalized multiwalled carbon nanotube composite films. *Electrochimica Acta*, **2010**, 55, 6731-6742	6.7	12
18	Development of Catalyst Free Carbon Nanotubes from Coal and Waste Plastics. *Fullerenes Nanotubes and Carbon Nanostructures*, **2009**, 17, 567-582	1.8	29
17	Polyaniline MWCNT nanocomposites for microwave absorption and EMI shielding. *Materials Chemistry and Physics*, **2009**, 113, 919-926	4.4	529
16	Improved Electromagnetic Interference Shielding Properties of MWCNT-PMMA Composites Using Layered Structures. *Nanoscale Research Letters*, **2009**, 4, 327-34	5	174
15	Synthesis and characterization of multiwalled carbon nanotubes-polymethyl methacrylate composites prepared by in situ polymerization method. *Polymer Composites*, **2009**, 30, 1312-1317	3	31
14	Influence of carbon nanotube dispersion on the mechanical properties of phenolic resin composites. *Polymer Composites*, **2009**, 31, NA-NA	3	7
13	Origin of threefold methyl torsional potential in methylindoles. *Theoretical Chemistry Accounts*, **2008**, 121, 59-70	1.9	5
12	Influence of Surface Modified MWCNTs on the Mechanical, Electrical and Thermal Properties of Polyimide Nanocomposites. *Nanoscale Research Letters*, **2008**, 3, 444-453	5	108
11	Electrical and mechanical properties of multi-walled carbon nanotubes reinforced PMMA and PS composites. *Polymer Composites*, **2008**, 29, 717-727	3	171
10	Growth of carbon nanotubes on carbon fibre substrates to produce hybrid/phenolic composites with improved mechanical properties. *Composites Science and Technology*, **2008**, 68, 1608-1615	8.6	281
9	Preparation of polyaniline/multiwalled carbon nanotube composite by novel electrophoretic route. *Carbon*, **2008**, 46, 1727-1735	10.4	112
8	Co-synthesis, purification and characterization of single- and multi-walled carbon nanotubes using the electric arc method. *Carbon*, **2007**, 45, 132-140	10.4	70
7	Optoelectronic and nonlinear optical processes in low dimensional semiconductors. *Bulletin of Materials Science*, **2006**, 29, 559-565	1.7	3
6	Steady-state analyses for reactive distillation control: An MTBE case study. *Journal of Loss Prevention in the Process Industries*, **2005**, 18, 283-292	3.5	19
5	Steady State Analysis of Reactive Distillation Using Homotopy Continuation. *Chemical Engineering Research and Design*, **2005**, 83, 959-968	5.5	27

4	Fast and reversible excited state absorption in II-VI-based nanocomposite thin films. *Applied Physics Letters*, **2005**, 87, 063104	3.4	7
3	New insights on MXene and its advanced hybrid materials for lithium-ion batteries. *Sustainable Energy and Fuels*,	5.8	1
2	Carbon Nanomaterials		22
1	Recent trends in gas sensing via carbon nanomaterials: outlook and challenges. *Nanoscale Advances*,	5.1	6