

# Bhanu Pratap Singh

## List of Publications by Citations

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147  
papers

6,269  
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41  
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76  
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152  
ext. papers

7,055  
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
147	Polyaniline/MWCNT nanocomposites for microwave absorption and EMI shielding. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 113, 919-926	4.4	529
146	Growth of carbon nanotubes on carbon fibre substrates to produce hybrid/phenolic composites with improved mechanical properties. <i>Composites Science and Technology</i> , <b>2008</b> , 68, 1608-1615	8.6	281
145	Multi-walled carbon nanotube-graphene-polyaniline multiphase nanocomposite with superior electromagnetic shielding effectiveness. <i>Nanoscale</i> , <b>2014</b> , 6, 842-51	7.7	250
144	Improved nanoindentation and microwave shielding properties of modified MWCNT reinforced polyurethane composites. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9138	13	244
143	Enhanced microwave absorption behavior of polyaniline-CNT/polystyrene blend in 12.4-18.0GHz range. <i>Synthetic Metals</i> , <b>2011</b> , 161, 1522-1526	3.6	234
142	Encapsulation of Fe <sub>2</sub> O <sub>3</sub> decorated reduced graphene oxide in polyaniline core-shell tubes as an exceptional tracker for electromagnetic environmental pollution. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3581-3593	13	219
141	MnO <sub>2</sub> decorated graphene nanoribbons with superior permittivity and excellent microwave shielding properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 4256	13	189
140	Improved Electromagnetic Interference Shielding Properties of MWCNT-PMMA Composites Using Layered Structures. <i>Nanoscale Research Letters</i> , <b>2009</b> , 4, 327-34	5	174
139	Electrical and mechanical properties of multi-walled carbon nanotubes reinforced PMMA and PS composites. <i>Polymer Composites</i> , <b>2008</b> , 29, 717-727	3	171
138	Barium ferrite decorated reduced graphene oxide nanocomposite for effective electromagnetic interference shielding. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1610-8	3.6	150
137	Lightweight and Easily Foldable MCMB-MWCNTs Composite Paper with Exceptional Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 10600-8	9.5	147
136	Effective improvement of the properties of light weight carbon foam by decoration with multi-wall carbon nanotubes. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5727	13	130
135	Probing the engineered sandwich network of vertically aligned carbon nanotube/reduced graphene oxide composites for high performance electromagnetic interference shielding applications. <i>Carbon</i> , <b>2015</b> , 85, 79-88	10.4	123
134	Mechanical and electrical properties of multiwall carbon nanotube/polycarbonate composites for electrostatic discharge and electromagnetic interference shielding applications. <i>RSC Advances</i> , <b>2014</b> , 4, 13839	3.7	122
133	Preparation of polyaniline/multiwalled carbon nanotube composite by novel electrophoretic route. <i>Carbon</i> , <b>2008</b> , 46, 1727-1735	10.4	112
132	Influence of Surface Modified MWCNTs on the Mechanical, Electrical and Thermal Properties of Polyimide Nanocomposites. <i>Nanoscale Research Letters</i> , <b>2008</b> , 3, 444-453	5	108
131	Superior mechanical and electrical properties of multiwall carbon nanotube reinforced acrylonitrile butadiene styrene high performance composites. <i>Composites Part B: Engineering</i> , <b>2015</b> , 83, 58-65	10	104

130	Polymer nanocomposite foam filled with carbon nanomaterials as an efficient electromagnetic interference shielding material. <i>RSC Advances</i> , <b>2015</b> , 5, 43036-43057	3.7	103
129	Dynamic mechanical properties of multiwall carbon nanotube reinforced ABS composites and their correlation with entanglement density, adhesion, reinforcement and C factor. <i>RSC Advances</i> , <b>2016</b> , 6, 3997-4006	3.7	102
128	Designing of multiwalled carbon nanotubes reinforced low density polyethylene nanocomposites for suppression of electromagnetic radiation. <i>Journal of Nanoparticle Research</i> , <b>2011</b> , 13, 7065-7074	2.3	94
127	Conducting ferrofluid: a high-performance microwave shielding material. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 13159	13	92
126	Effect of dispersion conditions on the mechanical properties of multi-walled carbon nanotubes based epoxy resin composites. <i>Journal of Polymer Research</i> , <b>2011</b> , 18, 1397-1407	2.7	88
125	Room temperature lead-free relaxor antiferroelectric electroceramics for energy storage applications. <i>RSC Advances</i> , <b>2014</b> , 4, 22840-22847	3.7	84
124	Microwave shielding properties of Co/Ni attached to single walled carbon nanotubes. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13203-13209	13	84
123	Bio-derived hierarchically macro-meso-micro porous carbon anode for lithium/sodium ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 329, 412-421	8.9	82
122	Tailored polyaniline/barium strontium titanate/expanded graphite multiphase composite for efficient radar absorption. <i>RSC Advances</i> , <b>2014</b> , 4, 12614	3.7	72
121	Designing of multiwalled carbon nanotubes reinforced polyurethane composites as electromagnetic interference shielding materials. <i>Journal of Polymer Research</i> , <b>2013</b> , 20, 1	2.7	72
120	Co-synthesis, purification and characterization of single- and multi-walled carbon nanotubes using the electric arc method. <i>Carbon</i> , <b>2007</b> , 45, 132-140	10.4	70
119	Enhanced microwave shielding and mechanical properties of high loading MWCNT/epoxy composites. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	67
118	Multifunctional Ni-NiO-CNT Composite as High Performing Free Standing Anode for Li Ion Batteries and Advanced Electro Catalyst for Oxygen Evolution Reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 230, 98-105	6.7	60
117	High strain rate behavior of multi-walled carbon nanotubes/polycarbonate composites. <i>Composites Part B: Engineering</i> , <b>2013</b> , 45, 417-422	10	59
116	Solvent Free, Efficient, Industrially Viable, Fast Dispersion Process Based Amine Modified MWCNT Reinforced Epoxy Composites Of Superior Mechanical Properties. <i>Advanced Materials Letters</i> , <b>2015</b> , 6, 104-113	2.4	58
115	Ferroelectric polymer-ceramic composite thick films for energy storage applications. <i>AIP Advances</i> , <b>2014</b> , 4, 087117	1.5	54
114	Multifunctional, robust, light-weight, free-standing MWCNT/phenolic composite paper as anodes for lithium ion batteries and EMI shielding material. <i>RSC Advances</i> , <b>2014</b> , 4, 33168-33174	3.7	52
113	Effect of length of carbon nanotubes on electromagnetic interference shielding and mechanical properties of their reinforced epoxy composites. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	52

112	Excellent mechanical properties of long multiwalled carbon nanotube bridged Kevlar fabric. <i>Carbon</i> , <b>2018</b> , 137, 104-117	10.4	47
111	Interleaved MWCNT buckypaper between CFRP laminates to improve through-thickness electrical conductivity and reducing lightning strike damage. <i>Composite Structures</i> , <b>2019</b> , 210, 581-589	5.3	47
110	Free-standing flexible MWCNTs bucky paper: Extremely stable and energy efficient supercapacitive electrode. <i>Electrochimica Acta</i> , <b>2017</b> , 249, 395-403	6.7	46
109	Superior nano-mechanical properties of reduced graphene oxide reinforced polyurethane composites. <i>RSC Advances</i> , <b>2015</b> , 5, 16921-16930	3.7	43
108	Enhanced microwave shielding and mechanical properties of multiwall carbon nanotubes anchored carbon fiber felt reinforced epoxy multiscale composites. <i>Applied Nanoscience (Switzerland)</i> , <b>2014</b> , 4, 421-428	3.3	43
107	Designing of epoxy composites reinforced with carbon nanotubes grown carbon fiber fabric for improved electromagnetic interference shielding. <i>AIP Advances</i> , <b>2012</b> , 2, 022151	1.5	42
106	Exciton Emission Intensity Modulation of Monolayer MoS via Au Plasmon Coupling. <i>Scientific Reports</i> , <b>2017</b> , 7, 41175	4.9	41
105	Controlled substitution of S by Se in reactively sputtered CZTSSe thin films for solar cells. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 648, 595-600	5.7	41
104	Mechanical and electrical properties of high performance MWCNT/polycarbonate composites prepared by an industrial viable twin screw extruder with back flow channel. <i>RSC Advances</i> , <b>2014</b> , 4, 64649-64658	2.7	41
103	A commercial approach for the fabrication of bulk and nano phosphors converted into highly efficient white LEDs. <i>RSC Advances</i> , <b>2014</b> , 4, 54936-54947	3.7	39
102	Strictly monolayer large continuous MoS <sub>2</sub> films on diverse substrates and their luminescence properties. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 042101	3.4	38
101	Enhanced thermomechanical and electrical properties of multiwalled carbon nanotube paper reinforced epoxy laminar composites. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 104, 129-138	8.4	37
100	Excellent mechanical properties of carbon fiber semi-aligned electrospun carbon nanofiber hybrid polymer composites. <i>RSC Advances</i> , <b>2016</b> , 6, 36715-36722	3.7	37
99	Formation of Carbon Nanotube Bucky Paper and Feasibility Study for Filtration at the Nano and Molecular Scale. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 19025-19031	3.8	36
98	Depression in glass transition temperature of multiwalled carbon nanotubes reinforced polycarbonate composites: effect of functionalization. <i>RSC Advances</i> , <b>2015</b> , 5, 43462-43472	3.7	32
97	Development of SnO <sub>2</sub> /Multiwalled Carbon Nanotube Paper as Free Standing Anode for Lithium Ion Batteries (LIB). <i>Electrochimica Acta</i> , <b>2015</b> , 176, 735-742	6.7	31
96	Performance of a nanoarchitected tin oxide@reduced graphene oxide composite as a shield against electromagnetic polluting radiation. <i>RSC Advances</i> , <b>2014</b> , 4, 25904-25911	3.7	31
95	Synthesis and characterization of multiwalled carbon nanotubes-polymethyl methacrylate composites prepared by in situ polymerization method. <i>Polymer Composites</i> , <b>2009</b> , 30, 1312-1317	3	31

94	Development of Catalyst Free Carbon Nanotubes from Coal and Waste Plastics. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2009</b> , 17, 567-582	1.8	29
93	Influence of laser repetition rate on the structural and optical properties of GaN layers grown on sapphire (0001) by laser molecular beam epitaxy. <i>CrystEngComm</i> , <b>2016</b> , 18, 744-753	3.3	28
92	Steady State Analysis of Reactive Distillation Using Homotopy Continuation. <i>Chemical Engineering Research and Design</i> , <b>2005</b> , 83, 959-968	5.5	27
91	Free-standing flexible multiwalled carbon nanotubes paper for wearable thermoelectric power generator. <i>Journal of Power Sources</i> , <b>2020</b> , 449, 227493	8.9	26
90	Significant improvement in static and dynamic mechanical properties of graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. <i>Journal of Materials Science</i> , <b>2018</b> , 53, 2520-2536	4.3	26
89	Dielectric and impedance properties of three dimension graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. <i>Polymer Testing</i> , <b>2018</b> , 68, 456-466	4.5	25
88	Electroforming free high resistance resistive switching of graphene oxide modified polar-PVDF. <i>RSC Advances</i> , <b>2015</b> , 5, 57406-57413	3.7	24
87	Irreversible tunability of through-thickness electrical conductivity of polyaniline-based CFRP by de-doping. <i>Composites Science and Technology</i> , <b>2017</b> , 152, 20-26	8.6	24
86	Large scale production of three dimensional carbon nanotube pillared graphene network for bi-functional optical properties. <i>Carbon</i> , <b>2014</b> , 78, 147-155	10.4	23
85	Design of MWCNT bucky paper reinforced PANI/DBSA/DVB composites with superior electrical and mechanical properties. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12396-12406	7.1	23
84	Fabrication of amperometric bienzymatic glucose biosensor based on MWCNT tube and polypyrrole multilayered nanocomposite. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, E235	2.9	22
83	Carbon Nanomaterials		22
82	Improved static and dynamic mechanical properties of multiscale bucky paper interleaved Kevlar fiber composites. <i>Carbon</i> , <b>2019</b> , 152, 631-642	10.4	21
81	New insight into the shape-controlled synthesis and microwave shielding properties of iron oxide covered with reduced graphene oxide. <i>RSC Advances</i> , <b>2014</b> , 4, 62413-62422	3.7	21
80	Electrochemical performance of Sb <sub>2</sub> S <sub>3</sub> /CNT free-standing flexible anode for Li-ion batteries. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 7110-7118	4.3	21
79	Effect Of Annealing Time On The Composition, Microstructure And Band Gap Of Copper Zinc Tin Sulfide Thin Films. <i>Advanced Materials Letters</i> , <b>2015</b> , 6, 2-7	2.4	20
78	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. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F568-F576	3.9	19
77	Steady-state analyses for reactive distillation control: An MTBE case study. <i>Journal of Loss Prevention in the Process Industries</i> , <b>2005</b> , 18, 283-292	3.5	19

76	Highly Luminescent Dual Mode Polymeric Nanofiber-Based Flexible Mat for White Security Paper and Encrypted Nanotaggant Applications. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9477-9484	4.8	19
75	Detailed dynamic mechanical analysis of thermomechanically stable melt-processed PEK/MWCNT nanocomposites. <i>Polymer Composites</i> , <b>2018</b> , 39, 2587-2596	3	18
74	Few layer graphene synthesized by filtered cathodic vacuum arc technique. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2013</b> , 31, 040602	1.3	18
73	Phase transition and anomalous rheological properties of graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. <i>Composites Part B: Engineering</i> , <b>2018</b> , 154, 337-350	10	18
72	Synthesis, structural and field emission properties of multiwall carbon nanotube-graphene-like nanocarbon hybrid films grown by microwave plasma enhanced chemical vapor deposition. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 156, 38-46	4.4	17
71	Detailed dynamic rheological studies of multiwall carbon nanotube-reinforced acrylonitrile butadiene styrene composite. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 2643-2652	4.3	17
70	Sandwich composites of polyurethane reinforced with poly(3,4-ethylene dioxythiophene)-coated multiwalled carbon nanotubes with exceptional electromagnetic interference shielding properties. <i>RSC Advances</i> , <b>2015</b> , 5, 75229-75238	3.7	16
69	Structural and mechanical properties of free-standing multiwalled carbon nanotube paper prepared by an aqueous mediated process. <i>Journal of Materials Science</i> , <b>2017</b> , 52, 7503-7515	4.3	15
68	Origin of radial breathing mode in multiwall carbon nanotubes synthesized by catalytic chemical vapor deposition. <i>Carbon</i> , <b>2014</b> , 66, 724-726	10.4	15
67	Synergistic bridging effects of graphene oxide and carbon nanotube on mechanical properties of aramid fiber reinforced polycarbonate composite tape. <i>Composites Science and Technology</i> , <b>2020</b> , 199, 108370	8.6	15
66	Synergetic effect of graphene oxide-carbon nanotube on nanomechanical properties of acrylonitrile butadiene styrene nanocomposites. <i>Materials Research Express</i> , <b>2018</b> , 5, 045608	1.7	14
65	Electro-mechanical properties of free standing micro- and nano-scale polymer-ceramic composites for energy density capacitors. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 648, 698-705	5.7	13
64	Synergistic effect on static and dynamic mechanical properties of carbon fiber-multiwalled carbon nanotube hybrid polycarbonate composites. <i>RSC Advances</i> , <b>2016</b> , 6, 67954-67967	3.7	13
63	In-situ Conversion of Multiwalled Carbon Nanotubes to Graphene Nanosheets: An Increasing Capacity Anode for Li Ion Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 231, 255-263	6.7	12
62	Excellent impact strength of ethylene-methyl acrylate copolymer toughened polycarbonate. <i>RSC Advances</i> , <b>2015</b> , 5, 87589-87597	3.7	12
61	Enhanced photoelectrochemistry and interactions in cadmium selenide functionalized multiwalled carbon nanotube composite films. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 6731-6742	6.7	12
60	Enhancement in the thermomechanical properties of carbon fibre-carbon nanotubes-epoxy hybrid composites. <i>International Journal of Nanotechnology</i> , <b>2012</b> , 9, 1040	1.5	11
59	Improved nanomechanical and in-vitro biocompatibility of graphene oxide-carbon nanotube hydroxyapatite hybrid composites by synergistic effect. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2021</b> , 117, 104376	4.1	11

58	Scavenging phenomenon and improved electrical and mechanical properties of polyaniline/divinylbenzene composite in presence of MWCNT. <i>International Journal of Mechanics and Materials in Design</i> , <b>2018</b> , 14, 697-708	2.5	10
57	Tuneable Physicochemical Properties of Thermally Annealed Graphene Oxide Powder and Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2018</b> , 18, 1763-1771	1.3	10
56	Graphene Synthesized from Solid Carbon Source Using Filtered Cathodic Vacuum Arc Technique for Transparent Conducting and Field Effect Transistor Devices. <i>Science of Advanced Materials</i> , <b>2014</b> , 6, 2124-2133	2.3	10
55	Green synthesis of wurtzite copper zinc tin sulfide nanocones for improved solar photovoltaic utilization. <i>Applied Nanoscience (Switzerland)</i> , <b>2015</b> , 5, 163-167	3.3	9
54	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. <i>Science of Advanced Materials</i> , <b>2015</b> , 7, 1424-1434	2.3	9
53	Rice Straw Biomass to High Energy Yield Biocoal by Torrefaction: Indian Perspective. <i>Current Science</i> , <b>2019</b> , 116, 831	2.2	9
52	Mechanical, electrical and thermal properties of graphene oxide-carbon nanotube/ ABS hybrid polymer nanocomposites. <i>Journal of Polymer Research</i> , <b>2020</b> , 27, 1	2.7	9
51	Charge-Induced Lattice Compression in Monolayer MoS <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 17943-17950	3.3	8
50	Growth of dense CNT on the multilayer graphene film by the microwave plasma enhanced chemical vapor deposition technique and their field emission properties. <i>RSC Advances</i> , <b>2015</b> , 5, 90111-90120	3.7	8
49	Carbon nanotube incorporated eucalyptus derived activated carbon-based novel adsorbent for efficient removal of methylene blue and eosin yellow dyes. <i>Bioresource Technology</i> , <b>2022</b> , 344, 126231	11	8
48	Tunable Photoluminescence of Polyvinyl Alcohol Electrospun Nanofibers by Doping of NaYF <sub>4</sub> : Eu+3 Nanophosphor. <i>Journal of Nanomaterials</i> , <b>2020</b> , 2020, 1-8	3.2	7
47	Giant pressure sensitivity in piezo/ferro-electric ceramics.. <i>RSC Advances</i> , <b>2020</b> , 10, 9140-9145	3.7	7
46	Growth of carbon nanotube filaments on carbon fiber cloth by catalytic chemical vapor deposition. <i>Applied Nanoscience (Switzerland)</i> , <b>2014</b> , 4, 997-1003	3.3	7
45	Influence of carbon nanotube dispersion on the mechanical properties of phenolic resin composites. <i>Polymer Composites</i> , <b>2009</b> , 31, NA-NA	3	7
44	Fast and reversible excited state absorption in II-VI-based nanocomposite thin films. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 063104	3.4	7
43	Highly responsive broadband photodetection in topological insulator - Carbon nanotubes based heterostructure. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 851, 156759	5.7	7
42	Strain and plasmonic field induced modifications of material excitation response in monolayer MoS <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 063101	2.5	6
41	Investigations on phosphorous doped hydrogenated amorphous silicon carbide thin films deposited by a filtered cathodic vacuum arc technique for photo detecting applications. <i>RSC Advances</i> , <b>2014</b> , 4, 54388-54397	3.7	6

40	Recent trends in gas sensing via carbon nanomaterials: outlook and challenges. <i>Nanoscale Advances</i> ,	5.1	6
39	A facile way to synthesize an intrinsically ultraviolet-C resistant tough semiconducting polymeric glass for organic optoelectronic device application. <i>Carbon</i> , <b>2020</b> , 168, 485-498	10.4	6
38	A review on conducting carbon nanotube fibers spun via direct spinning technique. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 1087-1115	4.3	6
37	Recent advancements in development of different cathode materials for rechargeable lithium ion batteries. <i>Journal of Energy Storage</i> , <b>2021</b> , 43, 103112	7.8	6
36	Dielectric and Raman studies of Ba <sub>0.06</sub> (Na <sub>1/2</sub> Bi <sub>1/2</sub> ) <sub>0.94</sub> TiO <sub>3</sub> NaNbO <sub>3</sub> ceramics. <i>Materials Science-Poland</i> , <b>2016</b> , 34, 437-445	0.6	5
35	Power- and polarization-dependent supercontinuum generation in BaB <sub>2</sub> O <sub>4</sub> crystals by intense, near-infrared, femtosecond laser pulses. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	5
34	Analysis of multi-wall carbon nanotube based porous Li battery electrodes using TOF-SIMS ion imaging. <i>Applied Surface Science</i> , <b>2015</b> , 349, 644-649	6.7	5
33	Optical detection of the defects associated with the magnetic properties observed in GaN:Gd layers grown by reactive molecular beam epitaxy. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 072119	3.4	5
32	Origin of threefold methyl torsional potential in methylindoles. <i>Theoretical Chemistry Accounts</i> , <b>2008</b> , 121, 59-70	1.9	5
31	Designing Of MWCNT/ Ferrofluid/ Flyash Multiphase Composite As Safeguard For Electromagnetic Radiation. <i>Advanced Materials Letters</i> , <b>2015</b> , 6, 585-591	2.4	5
30	Substrate bias induced synthesis of flowered-like bunched carbon nanotube directly on bulk nickel. <i>Materials Research Bulletin</i> , <b>2016</b> , 74, 156-163	5.1	4
29	Strong Dipole Interaction between Chlorophyll-a Molecules and Surface Plasmon Polaritons. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 16965-16972	3.8	3
28	Optoelectronic and nonlinear optical processes in low dimensional semiconductors. <i>Bulletin of Materials Science</i> , <b>2006</b> , 29, 559-565	1.7	3
27	One Step Deposition of Cu <sub>2</sub> ZnSnSe <sub>4</sub> Thin Films Using a Ceramic Quaternary Target. <i>Advanced Science, Engineering and Medicine</i> , <b>2014</b> , 6, 1285-1289	0.6	3
26	Synthesis, characterization and third-order nonlinear optical properties of polydiacetylene nanostructures, silver nanoparticles and polydiacetylene/silver nanocomposites <b>2016</b> , 87, 1		3
25	On-line rheology of pearl millet flours during extrusion: Effect of native amylose. <i>Journal of Food Process Engineering</i> , <b>2018</b> , 41, e12924	2.4	3
24	Optically transparent and lightweight nanocomposite substrate of poly(methyl methacrylate-co-acrylonitrile)/MWCNT for optoelectronic applications: an experimental and theoretical insight. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 17040-17061	4.3	3
23	A review on 3D graphene/carbon nanotube hybrid polymer nanocomposites. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 17411-17456	4.3	3

22	Self-healing Polymer Composites Based on Graphene and Carbon Nanotubes. <i>Springer Series on Polymer and Composite Materials</i> , <b>2017</b> , 119-152	0.9	2
21	A novel fabrication of electrospun polyacrylonitrile/NaYF:Eu light emitting nanofibers.. <i>RSC Advances</i> , <b>2020</b> , 10, 24855-24861	3.7	2
20	A facile fabrication of poly(methyl methacrylate)/(alpha)-NaYF(4):Eu(^{3+}) tunable electrospun photoluminescent nanofibers. <i>Applied Nanoscience (Switzerland)</i> , <b>2020</b> , 10, 3857-3864	3.3	2
19	Processing and Properties of Carbon Nanotube/Polycarbonate Composites <b>2014</b> , 333-364		2
18	Surface strain engineering through Tb doping to study the pressure dependence of exciton-phonon coupling in ZnO nanoparticles. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 214309	2.5	2
17	Economic Growth Of Vertically Aligned Multiwalled Carbon Nanotubes In Nitrogen Atmosphere. <i>Advanced Materials Letters</i> , <b>2015</b> , 6, 1094-1097	2.4	2
16	Recent advancement in three dimensional graphene-carbon nanotubes hybrid materials for energy storage and conversion applications. <i>Journal of Energy Storage</i> , <b>2022</b> , 50, 104235	7.8	2
15	Structural and optical tunability of metallodielectric composites with gradual shell growth <b>2016</b> , 86, 147-155		1
14	Localized surface plasmon and exciton interaction in silver-coated cadmium sulphide quantum dots <b>2015</b> ,		1
13	Controlling material birefringence in sapphire via self-assembled, sub-wavelength defects. <i>Applied Physics B: Lasers and Optics</i> , <b>2018</b> , 124, 1	1.9	1
12	In situ growth of silicon carbide-carbon nanotube composites. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 3863-3868	3.68	1
11	Experimental observation of complete and anticipation synchronization of heterogeneous oscillators using a common dynamical environment. <i>European Physical Journal: Special Topics</i> , <b>2014</b> , 223, 2789-2797	2.3	1
10	New insights on MXene and its advanced hybrid materials for lithium-ion batteries. <i>Sustainable Energy and Fuels</i> ,	5.8	1
9	Synthesis of Vertical Graphene by Microwave Plasma Enhanced Chemical Vapor Deposition Technique. <i>Environmental Science and Engineering</i> , <b>2014</b> , 559-562	0.2	1
8	Synthesis of Multilayer Graphene by Filtered Cathodic Vacuum Arc Technique. <i>Environmental Science and Engineering</i> , <b>2014</b> , 651-654	0.2	1
7	Advanced Materials for Strategic and Societal Applications <b>2020</b> , 811-879		1
6	Optically tunable charge carrier injection in monolayer MoS2. <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	1
5	Relaxation and Excitation Rate Modifications by Metal Nanostructures for Solar Energy Conversion Applications. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 8090-8097	3.8	1

- 4 Dynamic Optical Study of Flexible Multiwall Carbon Nanotube Paper Using Terahertz Spectroscopy. *Journal of Electronic Materials*, **2021**, 50, 5625-5631 1.9 ○
- 3 Stress-Induced Structural Phase Transition in Polystyrene/NaYF<sub>4</sub>: Eu<sup>3+</sup> Photoluminescent Electrospun Nanofibers. *Journal of Nanomaterials*, **2022**, 2022, 1-10 3.2 ○
- 2 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
- 1 Materials Metrology and Nanomaterials **2020**, 767-809