

Bhanu Pratap Singh

List of Publications by Year in descending order

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150
papers

7,814
citations

53660

45
h-index

54797

84
g-index

152
all docs

152
docs citations

152
times ranked

7829
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyanilineâ€“MWCNT nanocomposites for microwave absorption and EMI shielding. <i>Materials Chemistry and Physics</i> , 2009, 113, 919-926.	2.0	615
2	Growth of carbon nanotubes on carbon fibre substrates to produce hybrid/phenolic composites with improved mechanical properties. <i>Composites Science and Technology</i> , 2008, 68, 1608-1615.	3.8	307
3	Multi-walled carbon nanotubeâ€“grapheneâ€“polyaniline multiphase nanocomposite with superior electromagnetic shielding effectiveness. <i>Nanoscale</i> , 2014, 6, 842-851.	2.8	293
4	Improved nanoindentation and microwave shielding properties of modified MWCNT reinforced polyurethane composites. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9138.	5.2	282
5	Enhanced microwave absorption behavior of polyaniline-CNT/polystyrene blend in 12.4â€“18.0GHz range. <i>Synthetic Metals</i> , 2011, 161, 1522-1526.	2.1	269
6	Encapsulation of Fe_2O_3 decorated reduced graphene oxide in polyaniline coreâ€“shell tubes as an exceptional tracker for electromagnetic environmental pollution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3581-3593.	5.2	258
7	MnO ₂ decorated graphene nanoribbons with superior permittivity and excellent microwave shielding properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4256.	5.2	214
8	Improved Electromagnetic Interference Shielding Properties of MWCNTâ€“PMMA Composites Using Layered Structures. <i>Nanoscale Research Letters</i> , 2009, 4, 327-34.	3.1	208
9	Lightweight and Easily Foldable MCMB-MWCNTs Composite Paper with Exceptional Electromagnetic Interference Shielding. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 10600-10608.	4.0	188
10	Barium ferrite decorated reduced graphene oxide nanocomposite for effective electromagnetic interference shielding. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1610-1618.	1.3	184
11	Electrical and mechanical properties of multiâ€“walled carbon nanotubes reinforced PMMA and PS composites. <i>Polymer Composites</i> , 2008, 29, 717-727.	2.3	182
12	Mechanical and electrical properties of multiwall carbon nanotube/polycarbonate composites for electrostatic discharge and electromagnetic interference shielding applications. <i>RSC Advances</i> , 2014, 4, 13839.	1.7	157
13	Effective improvement of the properties of light weight carbon foam by decoration with multi-wall carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5727.	5.2	154
14	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> , 2016, 6, 3997-4006.	1.7	147
15	Probing the engineered sandwich network of vertically aligned carbon nanotubeâ€“reduced graphene oxide composites for high performance electromagnetic interference shielding applications. <i>Carbon</i> , 2015, 85, 79-88.	5.4	141
16	Superior mechanical and electrical properties of multiwall carbon nanotube reinforced acrylonitrile butadiene styrene high performance composites. <i>Composites Part B: Engineering</i> , 2015, 83, 58-65.	5.9	130
17	Influence of Surface Modified MWCNTs on the Mechanical, Electrical and Thermal Properties of Polyimide Nanocomposites. <i>Nanoscale Research Letters</i> , 2008, 3, .	3.1	120
18	Polymer nanocomposite foam filled with carbon nanomaterials as an efficient electromagnetic interference shielding material. <i>RSC Advances</i> , 2015, 5, 43036-43057.	1.7	119

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19	Preparation of polyaniline/multiwalled carbon nanotube composite by novel electrophoretic route. Carbon, 2008, 46, 1727-1735.	5.4	118
20	Designing of multiwalled carbon nanotubes reinforced low density polyethylene nanocomposites for suppression of electromagnetic radiation. Journal of Nanoparticle Research, 2011, 13, 7065-7074.	0.8	105
21	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
22	Bio-derived hierarchically macro-meso-micro porous carbon anode for lithium/sodium ion batteries. Journal of Power Sources, 2016, 329, 412-421.	4.0	103
23	Conducting ferrofluid: a high-performance microwave shielding material. Journal of Materials Chemistry A, 2014, 2, 13159.	5.2	98
24	Room temperature lead-free relaxor antiferroelectric electroceramics for energy storage applications. RSC Advances, 2014, 4, 22840-22847.	1.7	94
25	Microwave shielding properties of Co/Ni attached to single walled carbon nanotubes. Journal of Materials Chemistry A, 2015, 3, 13203-13209.	5.2	93
26	Designing of multiwalled carbon nanotubes reinforced polyurethane composites as electromagnetic interference shielding materials. Journal of Polymer Research, 2013, 20, 1.	1.2	90
27	Ferroelectric polymer-ceramic composite thick films for energy storage applications. AIP Advances, 2014, 4, .	0.6	89
28	Enhanced microwave shielding and mechanical properties of high loading MWCNT epoxy composites. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	87
29	Tailored polyaniline/barium strontium titanate/expanded graphite multiphase composite for efficient radar absorption. RSC Advances, 2014, 4, 12614.	1.7	84
30	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.	2.6	84
31	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.	0.3	77
32	Excellent mechanical properties of long multiwalled carbon nanotube bridged Kevlar fabric. Carbon, 2018, 137, 104-117.	5.4	76
33	Co-synthesis, purification and characterization of single- and multi-walled carbon nanotubes using the electric arc method. Carbon, 2007, 45, 132-140.	5.4	75
34	High strain rate behavior of multi-walled carbon nanotubes polycarbonate composites. Composites Part B: Engineering, 2013, 45, 417-422.	5.9	68
35	Interleaved MWCNT buckypaper between CFRP laminates to improve through-thickness electrical conductivity and reducing lightning strike damage. Composite Structures, 2019, 210, 581-589.	3.1	65
36	Free-standing flexible MWCNTs bucky paper: Extremely stable and energy efficient supercapacitive electrode. Electrochimica Acta, 2017, 249, 395-403.	2.6	62

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37	Effect of length of carbon nanotubes on electromagnetic interference shielding and mechanical properties of their reinforced epoxy composites. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	61
38	Multifunctional, robust, light-weight, free-standing MWCNT/phenolic composite paper as anodes for lithium ion batteries and EMI shielding material. <i>RSC Advances</i> , 2014, 4, 33168-33174.	1.7	60
39	Superior nano-mechanical properties of reduced graphene oxide reinforced polyurethane composites. <i>RSC Advances</i> , 2015, 5, 16921-16930.	1.7	56
40	Designing of epoxy composites reinforced with carbon nanotubes grown carbon fiber fabric for improved electromagnetic interference shielding. <i>AIP Advances</i> , 2012, 2, .	0.6	52
41	Strictly monolayer large continuous MoS ₂ films on diverse substrates and their luminescence properties. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	52
42	Enhanced microwave shielding and mechanical properties of multiwall carbon nanotubes anchored carbon fiber felt reinforced epoxy multiscale composites. <i>Applied Nanoscience (Switzerland)</i> , 2014, 4, 421-428.	1.6	51
43	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> , 2014, 4, 64649-64658.	1.7	51
44	Exciton Emission Intensity Modulation of Monolayer MoS ₂ via Au Plasmon Coupling. <i>Scientific Reports</i> , 2017, 7, 41175.	1.6	50
45	Enhanced thermomechanical and electrical properties of multiwalled carbon nanotube paper reinforced epoxy laminar composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 104, 129-138.	3.8	50
46	Carbon nanotube incorporated eucalyptus derived activated carbon-based novel adsorbent for efficient removal of methylene blue and eosin yellow dyes. <i>Bioresource Technology</i> , 2022, 344, 126231.	4.8	47
47	A commercial approach for the fabrication of bulk and nano phosphors converted into highly efficient white LEDs. <i>RSC Advances</i> , 2014, 4, 54936-54947.	1.7	45
48	Controlled substitution of S by Se in reactively sputtered CZTSSe thin films for solar cells. <i>Journal of Alloys and Compounds</i> , 2015, 648, 595-600.	2.8	44
49	Excellent mechanical properties of carbon fiber semi-aligned electrospun carbon nanofiber hybrid polymer composites. <i>RSC Advances</i> , 2016, 6, 36715-36722.	1.7	44
50	Depression in glass transition temperature of multiwalled carbon nanotubes reinforced polycarbonate composites: effect of functionalization. <i>RSC Advances</i> , 2015, 5, 43462-43472.	1.7	42
51	Formation of Carbon Nanotube Bucky Paper and Feasibility Study for Filtration at the Nano and Molecular Scale. <i>Journal of Physical Chemistry C</i> , 2012, 116, 19025-19031.	1.5	40
52	Performance of a nanoarchitected tin oxide@reduced graphene oxide composite as a shield against electromagnetic polluting radiation. <i>RSC Advances</i> , 2014, 4, 25904-25911.	1.7	40
53	Significant improvement in static and dynamic mechanical properties of graphene oxide@carbon nanotube acrylonitrile butadiene styrene hybrid composites. <i>Journal of Materials Science</i> , 2018, 53, 2520-2536.	1.7	39
54	Synthesis and characterization of multiwalled carbon nanotubes@polymethyl methacrylate composites prepared by in situ polymerization method. <i>Polymer Composites</i> , 2009, 30, 1312-1317.	2.3	38

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55	Dielectric and impedance properties of three dimension graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. <i>Polymer Testing</i> , 2018, 68, 456-466.	2.3	38
56	Free-standing flexible multiwalled carbon nanotubes paper for wearable thermoelectric power generator. <i>Journal of Power Sources</i> , 2020, 449, 227493.	4.0	38
57	Improved static and dynamic mechanical properties of multiscale bucky paper interleaved Kevlar fiber composites. <i>Carbon</i> , 2019, 152, 631-642.	5.4	37
58	Recent trends in gas sensing via carbon nanomaterials: outlook and challenges. <i>Nanoscale Advances</i> , 2021, 3, 6514-6544.	2.2	36
59	Development of SnO ₂ /Multiwalled Carbon Nanotube Paper as Free Standing Anode for Lithium Ion Batteries (LIB). <i>Electrochimica Acta</i> , 2015, 176, 735-742.	2.6	35
60	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> , 2020, 199, 108370.	3.8	34
61	Development of Catalyst Free Carbon Nanotubes from Coal and Waste Plastics. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 567-582.	1.0	33
62	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> , 2016, 18, 744-753.	1.3	33
63	Recent advancements in development of different cathode materials for rechargeable lithium ion batteries. <i>Journal of Energy Storage</i> , 2021, 43, 103112.	3.9	32
64	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> , 2017, 164, F568-F576.	1.3	31
65	Steady State Analysis of Reactive Distillation Using Homotopy Continuation. <i>Chemical Engineering Research and Design</i> , 2005, 83, 959-968.	2.7	30
66	Electroforming free high resistance resistive switching of graphene oxide modified polar-PVDF. <i>RSC Advances</i> , 2015, 5, 57406-57413.	1.7	30
67	Electrochemical performance of Sb ₂ S ₃ /CNT free-standing flexible anode for Li-ion batteries. <i>Journal of Materials Science</i> , 2019, 54, 7110-7118.	1.7	30
68	Irreversible tunability of through-thickness electrical conductivity of polyaniline-based CFRP by de-doping. <i>Composites Science and Technology</i> , 2017, 152, 20-26.	3.8	29
69	Phase transition and anomalous rheological properties of graphene oxide-carbon nanotube acrylonitrile butadiene styrene hybrid composites. <i>Composites Part B: Engineering</i> , 2018, 154, 337-350.	5.9	29
70	Recent advancement in three dimensional graphene-carbon nanotubes hybrid materials for energy storage and conversion applications. <i>Journal of Energy Storage</i> , 2022, 50, 104235.	3.9	27
71	Large scale production of three dimensional carbon nanotube pillared graphene network for bi-functional optical properties. <i>Carbon</i> , 2014, 78, 147-155.	5.4	26
72	Detailed dynamic rheological studies of multiwall carbon nanotube-reinforced acrylonitrile butadiene styrene composite. <i>Journal of Materials Science</i> , 2016, 51, 2643-2652.	1.7	25

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73	Design of MWCNT bucky paper reinforced PANIâ€“DBSAâ€“DVB composites with superior electrical and mechanical properties. Journal of Materials Chemistry C, 2018, 6, 12396-12406.	2.7	25
74	Fabrication of amperometric bienzymatic glucose biosensor based on MWCNT tube and polypyrrole multilayered nanocomposite. Journal of Applied Polymer Science, 2012, 125, E235.	1.3	24
75	Detailed dynamic mechanical analysis of thermomechanically stable meltâ€“processed PEKâ€“MWCNT nanocomposites. Polymer Composites, 2018, 39, 2587-2596.	2.3	24
76	Highly Luminescent Dual Mode Polymeric Nanofiberâ€“Based Flexible Mat for White Security Paper and Encrypted Nanotaggant Applications. Chemistry - A European Journal, 2018, 24, 9477-9484.	1.7	24
77	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.	1.7	22
78	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.	0.3	22
79	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.	1.5	21
80	A review on 3D grapheneâ€“carbon nanotube hybrid polymer nanocomposites. Journal of Materials Science, 2021, 56, 17411-17456.	1.7	21
81	Steady-state analyses for reactive distillation control: An MTBE case study. Journal of Loss Prevention in the Process Industries, 2005, 18, 283-292.	1.7	20
82	A facile way to synthesize an intrinsically ultraviolet-C resistant tough semiconducting polymeric glass for organic optoelectronic device application. Carbon, 2020, 168, 485-498.	5.4	20
83	Origin of radial breathing mode in multiwall carbon nanotubes synthesized by catalytic chemical vapor deposition. Carbon, 2014, 66, 724-726.	5.4	19
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.	2.0	19
85	Synergetic effect of graphene oxide-carbon nanotube on nanomechanical properties of acrylonitrile butadiene styrene nanocomposites. Materials Research Express, 2018, 5, 045608.	0.8	19
86	Few layer graphene synthesized by filtered cathodic vacuum arc technique. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, 040602.	0.6	18
87	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.	1.7	18
88	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.	2.8	18
89	A review on conducting carbon nanotube fibers spun via direct spinning technique. Journal of Materials Science, 2021, 56, 1087-1115.	1.7	18
90	New insights on MXene and its advanced hybrid materials for lithium-ion batteries. Sustainable Energy and Fuels, 2022, 6, 971-1013.	2.5	18

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91	Influence of carbon nanotube dispersion on the mechanical properties of phenolic resin composites. <i>Polymer Composites</i> , 2010, 31, 321-327.	2.3	17
92	Structural and mechanical properties of free-standing multiwalled carbon nanotube paper prepared by an aqueous mediated process. <i>Journal of Materials Science</i> , 2017, 52, 7503-7515.	1.7	17
93	Mechanical, electrical and thermal properties of graphene oxide-carbon nanotube/ ABS hybrid polymer nanocomposites. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	17
94	Giant pressure sensitivity in piezo/ferro-electric ceramics. <i>RSC Advances</i> , 2020, 10, 9140-9145.	1.7	17
95	Synergistic effect on static and dynamic mechanical properties of carbon fiber-multiwalled carbon nanotube hybrid polycarbonate composites. <i>RSC Advances</i> , 2016, 6, 67954-67967.	1.7	16
96	Highly responsive broadband photodetection in topological insulator - Carbon nanotubes based heterostructure. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156759.	2.8	16
97	Rice Straw Biomass to High Energy Yield Biocoal by Torrefaction: Indian Perspective. <i>Current Science</i> , 2019, 116, 831.	0.4	16
98	Excellent impact strength of ethylene-methyl acrylate copolymer toughened polycarbonate. <i>RSC Advances</i> , 2015, 5, 87589-87597.	1.7	15
99	Tunable Physicochemical Properties of Thermally Annealed Graphene Oxide Powder and Thin Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1763-1771.	0.9	15
100	Optically transparent and lightweight nanocomposite substrate of poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (methacry theoretical insight. <i>Journal of Materials Science</i> , 2021, 56, 17040-17061.	1.7	15
101	Green synthesis of wurtzite copper zinc tin sulfide nanocones for improved solar photovoltaic utilization. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 163-167.	1.6	14
102	In-situ Conversion of Multiwalled Carbon Nanotubes to Graphene Nanosheets: An Increasing Capacity Anode for Li Ion Batteries. <i>Electrochimica Acta</i> , 2017, 231, 255-263.	2.6	14
103	Charge-Induced Lattice Compression in Monolayer MoS ₂ . <i>Journal of Physical Chemistry C</i> , 2019, 123, 17943-17950.	1.5	14
104	Tunable Photoluminescence of Polyvinyl Alcohol Electrospun Nanofibers by Doping of NaYF ₄ : Eu ⁺³ Nanophosphor. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-8.	1.5	13
105	Enhanced photoelectrochemistry and interactions in cadmium selenide functionalized multiwalled carbon nanotube composite films. <i>Electrochimica Acta</i> , 2010, 55, 6731-6742.	2.6	12
106	Enhancement in the thermomechanical properties of carbon fibre-carbon nanotubes-epoxy hybrid composites. <i>International Journal of Nanotechnology</i> , 2012, 9, 1040.	0.1	12
107	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> , 2018, 14, 697-708.	1.7	12
108	Growth of carbon nanotube filaments on carbon fiber cloth by catalytic chemical vapor deposition. <i>Applied Nanoscience (Switzerland)</i> , 2014, 4, 997-1003.	1.6	11

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109	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.	1.7	10
110	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.	0.1	10
111	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.	0.1	10
112	Fast and reversible excited state absorption in II-VI-based nanocomposite thin films. Applied Physics Letters, 2005, 87, 063104.	1.5	9
113	Dielectric and Raman studies of Ba _{0.06} (Na _{1/2} Bi _{1/2}) _{0.94} TiO ₃ •NaNbO ₃ ceramics. Materials Science-Poland, 2016, 34, 437-445.	0.4	8
114	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.	1.7	7
115	Strain and plasmonic field induced modifications of material excitation response in monolayer MoS ₂ . Journal of Applied Physics, 2019, 125, 063101.	1.1	7
116	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.	1.5	6
117	Substrate bias induced synthesis of flowered-like bunched carbon nanotube directly on bulk nickel. Materials Research Bulletin, 2016, 74, 156-163.	2.7	6
118	Strong Dipole Interaction between Chlorophyll-a Molecules and Surface Plasmon Polaritons. Journal of Physical Chemistry C, 2019, 123, 16965-16972.	1.5	6
119	Optically tunable charge carrier injection in monolayer MoS ₂ . Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	6
120	A novel fabrication of electrospun polyacrylonitrile/NaYF ₄ :Eu ⁺³ light emitting nanofibers. RSC Advances, 2020, 10, 24855-24861.	1.7	6
121	A facile fabrication of poly(methyl methacrylate)/α-NaYF ₄ :Eu ⁺³ tunable electrospun photoluminescent nanofibers. Applied Nanoscience (Switzerland), 2020, 10, 3857-3864.	1.6	6
122	Designing Of MWCNT/ Ferrofluid/ Flyash Multiphase Composite As Safeguard For Electromagnetic Radiation. Advanced Materials Letters, 2015, 6, 585-591.	0.3	6
123	Origin of threefold methyl torsional potential in methylindoles. Theoretical Chemistry Accounts, 2008, 121, 59-70.	0.5	5
124	Power- and polarization-dependent supercontinuum generation in O_4 crystals by intense, near-infrared, femtosecond laser pulses. Physical Review A, 2015, 91, .	1.0	5
125	Analysis of multi-wall carbon nanotube based porous Li battery electrodes TM using TOF-SIMS ion imaging. Applied Surface Science, 2015, 349, 644-649.	3.1	5
126	Glass Transition Temperature Measurement of Polycarbonate Specimen by Dynamic Mechanical Analyser Towards the Development of Reference Material. Mapan - Journal of Metrology Society of India, 2022, 37, 517-527.	1.0	5

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127	One Step Fabrication of Aligned Carbon Nanotube Sheet via FC-CVD Technique. Journal of Nanomaterials, 2022, 2022, 1-10.	1.5	5
128	Optoelectronic and nonlinear optical processes in low dimensional semiconductors. Bulletin of Materials Science, 2006, 29, 559-565.	0.8	4
129	Surface strain engineering through Tb doping to study the pressure dependence of exciton-phonon coupling in ZnO nanoparticles. Journal of Applied Physics, 2013, 114, .	1.1	4
130	Self-healing Polymer Composites Based on Graphene and Carbon Nanotubes. Springer Series on Polymer and Composite Materials, 2017, , 119-152.	0.5	4
131	Online rheology of pearl millet flours during extrusion: Effect of native amylose. Journal of Food Process Engineering, 2018, 41, e12924.	1.5	4
132	Highly conductive CNT aerogel synthesized via an inert FC-CVD technique: a step towards a greener approach. Reaction Chemistry and Engineering, 2022, 7, 1921-1930.	1.9	4
133	Synthesis, characterization and third-order nonlinear optical properties of polydiacetylene nanostructures, silver nanoparticles and polydiacetylene-silver nanocomposites. Pramana - Journal of Physics, 2016, 87, 1.	0.9	3
134	One Step Deposition of $\text{Cu}_2\text{ZnSnSe}_4$ Thin Films Using a Ceramic Quaternary Target. Advanced Science, Engineering and Medicine, 2014, 6, 1285-1289.	0.3	3
135	Economic Growth Of Vertically Aligned Multiwalled Carbon Nanotubes In Nitrogen Atmosphere. Advanced Materials Letters, 2015, 6, 1094-1097.	0.3	3
136	Stress-Induced Structural Phase Transition in Polystyrene/NaYF ₄ : Eu ³⁺ Photoluminescent Electrospun Nanofibers. Journal of Nanomaterials, 2022, 2022, 1-10.	1.5	3
137	In situ growth of silicon carbide-carbon nanotube composites. New Journal of Chemistry, 2016, 40, 3863-3868.	1.4	2
138	Relaxation and Excitation Rate Modifications by Metal Nanostructures for Solar Energy Conversion Applications. Journal of Physical Chemistry C, 2021, 125, 8090-8097.	1.5	2
139	Dynamic Optical Study of Flexible Multiwall Carbon Nanotube Paper Using Terahertz Spectroscopy. Journal of Electronic Materials, 2021, 50, 5625-5631.	1.0	2
140	Synthesis of Vertical Graphene by Microwave Plasma Enhanced Chemical Vapor Deposition Technique. Environmental Science and Engineering, 2014, , 559-562.	0.1	2
141	Experimental observation of complete and anticipation synchronization of heterogeneous oscillators using a common dynamical environment. European Physical Journal: Special Topics, 2014, 223, 2789-2797.	1.2	1
142	Localized surface plasmon and exciton interaction in silver-coated cadmium sulphide quantum dots. AIP Conference Proceedings, 2015, , .	0.3	1
143	Structural and optical tunability of metallodielectric composites with gradual shell growth. Pramana - Journal of Physics, 2016, 86, 147-155.	0.9	1
144	Controlling material birefringence in sapphire via self-assembled, sub-wavelength defects. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	1

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145	Synthesis of Multilayer Graphene by Filtered Cathodic Vacuum Arc Technique. Environmental Science and Engineering, 2014, , 651-654.	0.1	1
146	Advanced Materials for Strategic and Societal Applications. , 2020, , 811-879.		1
147	Low temperature optoelectrical studies on nanocrystalline CdS-ZnO nanocomposite thin films. , 2011, , .		0
148	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.	1.1	0
149	Materials Metrology and Nanomaterials. , 2020, , 767-809.		0
150	White-Light Spectral Interferometry for Characterizing Inhomogeneity in Solutions and Nanocolloids. ACS Nanoscience Au, 0, , .	2.0	0