

Suresh Sagadevan

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213
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ext. citations

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avg, IF

6.13
L-index

#	Paper	IF	Citations
213	Influence of Mg Doping on ZnO Nanoparticles for Enhanced Photocatalytic Evaluation and Antibacterial Analysis. <i>Nanoscale Research Letters</i> , 2018 , 13, 229	5	117
212	Studies on the dielectric properties of CdS nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2014 , 4, 325-329	3.3	109
211	Structural, Optical, Morphological and Dielectric Properties of Cerium Oxide Nanoparticles. <i>Materials Research</i> , 2016 , 19, 478-482	1.5	77
210	Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. <i>Materials</i> , 2019 , 12,	3.5	67
209	Preparation and Characterization of Nickel ferrite Nanoparticles via Co-precipitation Method. <i>Materials Research</i> , 2018 , 21,	1.5	57
208	Precipitation method and characterization of cobalt oxide nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	47
207	Hydrothermal synthesis of zirconium oxide nanoparticles and its characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 5622-5627	2.1	47
206	Structural, dielectric and optical investigation of chemically synthesized Ag-doped ZnO nanoparticles composites. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 394-404	2.3	43
205	Investigation on Structural, Surface Morphological and Dielectric Properties of Zn-doped SnO ₂ Nanoparticles. <i>Materials Research</i> , 2016 , 19, 420-425	1.5	43
204	Investigation of the Structural, Optical and Electrical Properties of Copper Selenide Thin Films. <i>Materials Research</i> , 2015 , 18, 1000-1007	1.5	41
203	Investigations on the Synthesis, Optical and Electrical Properties of TiO ₂ Thin Films by Chemical Bath Deposition (CBD) method. <i>Materials Research</i> , 2016 , 19, 413-419	1.5	38
202	Recent developments in reduced graphene oxide nanocomposites for photoelectrochemical water-splitting applications. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 11976-11994	6.7	32
201	Evaluation of the photocatalytic efficiency of cobalt oxide nanoparticles towards the degradation of crystal violet and methylene violet dyes. <i>Optik</i> , 2020 , 207, 164428	2.5	31
200	Synthesis and Characterization of Yttrium Stabilized Zirconia Nanoparticles. <i>Materials Research</i> , 2016 , 19, 812-816	1.5	30
199	Highly sensitive ethanol sensor based on TiO ₂ nanoparticles and its photocatalyst activity. <i>Optik</i> , 2019 , 182, 512-518	2.5	29
198	Synthesis and Electrical Properties of TiO ₂ Nanoparticles Using a Wet Chemical Technique. <i>American Journal of Nanoscience and Nanotechnology</i> , 2013 , 1, 27		29
197	Fabrication and characterization of porous scaffolds for bone replacements using gum tragacanth. <i>Materials Science and Engineering C</i> , 2019 , 96, 487-495	8.3	28

196	Fabrication of CuO nanoparticles for structural, optical and dielectric analysis using chemical precipitation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 12591-12597	2.1	27
195	Controllable synthesis of Graphene/ZnO-nanocomposite for novel switching. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 645-654	5.7	27
194	Investigations on structural, optical, morphological and electrical properties of nickel oxide nanoparticles. <i>International Journal of Nanoparticles</i> , 2015 , 8, 289	0.4	27
193	Studies on the optical and dielectric properties of a zinc thiourea chloride NLO single crystal. <i>Optik</i> , 2014 , 125, 1223-1226	2.5	26
192	Reduced graphene/nanostructured cobalt oxide nanocomposite for enhanced electrochemical performance of supercapacitor applications. <i>Journal of Colloid and Interface Science</i> , 2020 , 558, 68-77	9.3	26
191	Synthesis and evaluation of the structural, optical, and antibacterial properties of copper oxide nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	25
190	Optical and Electrical Properties of Nanocrystalline SnO ₂ ; Thin Films Synthesized by Chemical Bath Deposition Method. <i>Soft Nanoscience Letters</i> , 2015 , 05, 55-64	0.3	24
189	Fabrication and physicochemical characterization of g-C ₃ N ₄ /ZnO composite with enhanced photocatalytic activity under visible light. <i>Optical Materials</i> , 2020 , 100, 109643	3.3	24
188	Recent advances in natural polymer-based hydroxyapatite scaffolds: Properties and applications. <i>European Polymer Journal</i> , 2021 , 148, 110360	5.2	24
187	Influence of CTAB surfactant on structural and optical properties of CuS and CdS nanoparticles by hydrothermal route. <i>Journal of Experimental Nanoscience</i> , 2018 , 13, 130-143	1.9	23
186	Synthesis and characterization of TiO ₂ /graphene oxide nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 7892-7898	2.1	22
185	Studies on structural, optical and spectral properties of Europium oxide doped phosphate glasses. <i>Optik</i> , 2017 , 136, 165-171	2.5	22
184	A study of structural, morphological, optical and electrical properties of Zinc Selenide (ZnSe) thin film. <i>Materials Today: Proceedings</i> , 2016 , 3, 2305-2314	1.4	21
183	Photocatalytic and antibacterial studies of indium-doped ZnO nanoparticles synthesized by co-precipitation technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 19025-19037	2.1	21
182	Tailoring the morphological features of sol-gel synthesized mesoporous hydroxyapatite using fatty acids as an organic modifier.. <i>RSC Advances</i> , 2019 , 9, 6228-6240	3.7	21
181	A facile hydrothermal approach for catalytic and optical behavior of tin oxide- graphene (SnO ₂ /G) nanocomposite. <i>PLoS ONE</i> , 2018 , 13, e0202694	3.7	21
180	Investigating the effect of Mn-doped CeO ₂ nanoparticles by co-precipitation method. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	20
179	A review on electrochemically modified carbon nanotubes (CNTs) membrane for desalination and purification of water. <i>Materials Research Express</i> , 2018 , 5, 102001	1.7	20

178	Growth, optical, mechanical, dielectric and theoretical properties of picolinium maleate NLO single crystal. <i>Optik</i> , 2014 , 125, 2826-2829	2.5	20
177	Optical and electrical smart response of chemically stabilized graphene oxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 5235-5243	2.1	19
176	Green hydrothermal synthesis of gold and palladium doped titanium dioxide nanoparticles for multifunctional performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 12812-12819	3.1	19
175	Electrical Properties of Copper Oxide Nanoparticles. <i>Journal of Nano Research</i> , 2015 , 30, 1-8	1	19
174	Optical and electrical studies of non-linear optical crystal: Potassium boro-oxalate. <i>Optik</i> , 2016 , 127, 5613-5621	3.5	19
173	Green synthesis of cuprous oxide nanoparticles for environmental remediation and enhanced visible-light photocatalytic activity. <i>Optik</i> , 2020 , 214, 164849	2.5	18
172	Comparative studies of crystal violet dye removal between semiconductor nanoparticles and natural adsorbents. <i>Optik</i> , 2020 , 206, 164281	2.5	18
171	Advanced lithium substituted hydroxyapatite nanoparticles for antimicrobial and hemolytic studies. <i>New Journal of Chemistry</i> , 2019 , 43, 18484-18494	3.6	18
170	Effect of Temperature on the Physical, Electro-Chemical and Adsorption Properties of Carbon Micro-Spheres Using Hydrothermal Carbonization Process. <i>Nanomaterials</i> , 2018 , 8,	5.4	17
169	Synthesis of tungsten carbide nanoparticles by hydrothermal method and its Characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 1136-1141	2.1	17
168	Investigation on Physical Properties of Semiorganic Nonlinear Optical Glycine Zinc Sulfate Single Crystal. <i>Materials Research</i> , 2015 , 18, 581-587	1.5	17
167	Growth, Optical, Dielectric and Ferroelectric Properties of Non-Linear Optical Single Crystal: Glycine-Phthalic Acid. <i>Journal of Electronic Materials</i> , 2016 , 45, 5904-5909	1.9	17
166	Tailoring morphological characteristics of zinc oxide using a one-step hydrothermal method for photoelectrochemical water splitting application. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17535-17543	6.7	16
165	Tailoring the structural, morphological, optical, thermal and dielectric characteristics of ZnO nanoparticles using starch as a capping agent. <i>Results in Physics</i> , 2019 , 15, 102543	3.7	16
164	Synthesis and characterization of CoWO ₄ nanoparticles via chemical precipitation technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9885-9890	2.1	16
163	Facile fabrication of phase transformed cerium (IV) doped hydroxyapatite for biomedical applications [A health care approach. <i>Ceramics International</i> , 2020 , 46, 2510-2522	5.1	16
162	A chemical synthesized Al-doped PbS nanoparticles hybrid composite for optical and electrical response. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 10902-10908	2.1	15
161	Studies on optical, mechanical, dielectric properties of bistiourea nickel bromide NLO single crystal. <i>Optik</i> , 2014 , 125, 6746-6750	2.5	15

160	Synthesis, growth and characterization of l-threonine zinc acetate (LTZA) NLO single crystal. <i>Optik</i> , 2014 , 125, 4547-4551	2.5	15
159	Scalable synthesis of CdS/graphene nanocomposite spectroscopic characterizations. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 17193-17201	2.1	15
158	Study of Structural, Surface Morphological and Dielectric Properties of Cu-Doped Tin Oxide Nanoparticles. <i>Journal of Nano Research</i> , 2015 , 34, 91-97	1	14
157	Studies on synthesis, structural, surface morphological and electrical properties of Pr ₆ O ₁₁ /MgO nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 6457-6463	2.1	14
156	A one-step facile route synthesis of copper oxide/reduced graphene oxide nanocomposite for supercapacitor applications. <i>Journal of Experimental Nanoscience</i> , 2018 , 13, 284-296	1.9	14
155	Synthesis, growth, structural, spectroscopic, optical, thermal, DFT, HOMO/LUMO, MEP, NBO analysis and thermodynamic properties of vanillin isonicotinic hydrazide single crystal. <i>Journal of Molecular Structure</i> , 2021 , 1243, 130856	3.4	14
154	Synthesis and Characterization of Cobalt Ferrite (CoFe ₂ O ₄) Nanoparticles Prepared by Hydrothermal Method. <i>Springer Proceedings in Physics</i> , 2017 , 145-152	0.2	13
153	Effect of graphene infusion on morphology and performance of natural rubber latex/graphene composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 12888-12894	2.1	13
152	Growth, optical and electrical studies of the nonlinear optical crystal: Glycine thiourea. <i>Optik</i> , 2014 , 125, 950-953	2.5	13
151	Fabrication of reduced graphene oxide/CeO ₂ nanocomposite for enhanced electrochemical performance. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	12
150	Synthesis, growth and physicochemical characterization of 8-hydroxyquinolinium 3,4 dimethoxybenzoate, a novel organic nonlinear optical single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	12
149	Highly effective photocatalytic degradation of methylene blue using PrO ₂ /MgO nanocomposites under UV light. <i>Optik</i> , 2020 , 206, 164318	2.5	12
148	Optical and Electrical Properties of Chemical Bath Deposited Cobalt Sulphide Thin Films. <i>Materials Research</i> , 2017 , 20, 62-67	1.5	12
147	Enhancement of electro-optic and structural properties of TGS single crystals on doping with l-glutamic acid. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 7904-7916	2.1	12
146	Performance of leaf springs made of composite material subjected to low frequency impact loading. <i>Journal of Mechanical Science and Technology</i> , 2016 , 30, 4291-4298	1.6	12
145	Analysis on the Growth and Characterization of a Non-linear Optical Single Crystal: L-Cystine Dihydrobromide. <i>Materials Research</i> , 2015 , 18, 828-832	1.5	12
144	Investigation on the Optical Properties of Nonlinear Optical (NLO) Single Crystal: L-Valine Zinc Hydrochloride. <i>American Journal of Optics and Photonics</i> , 2014 , 2, 24	2.6	12
143	Polypyrrole-Bonded Quaternary Semiconductor LiCuMoO-Graphene Nanocomposite for a Narrow Band Gap Energy Effect and Its Gas-Sensing Performance. <i>ACS Omega</i> , 2020 , 5, 17337-17346	3.9	12

142	Gold nanorods-coated reduced graphene oxide as a modified electrode for the electrochemical sensory detection of NADH. <i>Journal of Alloys and Compounds</i> , 2020 , 847, 156552	5.7	12
141	Studies on Growth, Spectral, Thermal, Mechanical and Optical Properties of 4-Bromoanilinium 4-Methylbenzenesulfonate Crystal: A Third Order Nonlinear Optical Material. <i>Materials Research</i> , 2016 , 19, 937-941	1.5	12
140	Synthesis, characterization and electrochemical properties of cadmium sulfide [Reduced graphene oxide nanocomposites. <i>Results in Physics</i> , 2019 , 12, 878-885	3.7	12
139	Development, optimization and characterization of a two step sol-gel synthesis route for ZnO/SnO ₂ nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 4128-4135	2.1	12
138	Bio-fabrication of pigment-capped silver nanoparticles encountering antibiotic-resistant strains and their cytotoxic effect towards human epidermoid larynx carcinoma (HEp-2) cells.. <i>RSC Advances</i> , 2019 , 9, 15874-15886	3.7	11
137	One pot synthesis of hybrid ZnS/graphene nanocomposite with enhanced photocatalytic activities using hydrothermal approach. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 9099-9107	2.1	11
136	Evaluation of photocatalytic activity of copper ferrite nanoparticles. <i>Materials Research Express</i> , 2019 , 6, 095014	1.7	11
135	Facile synthesis of silver nanoparticles using Averrhoa bilimbi L and Plum extracts and investigation on the synergistic bioactivity using in vitro models. <i>Green Processing and Synthesis</i> , 2019 , 8, 873-884	3.9	11
134	Chemically stabilized reduced graphene oxide/zirconia nanocomposite: synthesis and characterization. <i>Materials Research Express</i> , 2017 , 4, 115031	1.7	11
133	Fabrication of nitrogen-rich graphitic carbon nitride/Cu ₂ O (g-C ₃ N ₄ @Cu ₂ O) composite and its enhanced photocatalytic activity for organic pollutants degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 2257-2268	2.1	11
132	Investigation of the optical, photoluminescence, and dielectric properties of P-Toluidinium picrate single crystals. <i>Chinese Journal of Physics</i> , 2020 , 67, 283-292	3.5	11
131	Studies on Optical and Electrical Properties of Hafnium Oxide Nanoparticles. <i>Journal of Electronic Materials</i> , 2017 , 46, 4392-4397	1.9	10
130	Synthesis and characterization of NiFe ₂ O ₄ , CoFe ₂ O ₄ and CuFe ₂ O ₄ thin films for anode material in Li-ion batteries. <i>Nanomaterials and Nanotechnology</i> , 2017 , 7, 184798041771108	2.9	10
129	Exploration of gum ghatti-modified porous scaffolds for bone tissue engineering applications. <i>New Journal of Chemistry</i> , 2020 , 44, 2389-2401	3.6	10
128	Investigations on dielectric and impedance properties of M-type hexaferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 2910-2922	2.1	10
127	Influence of fiber length, fiber content and alkali treatment on mechanical properties of natural fiber-reinforced epoxy composites. <i>Polimery</i> , 2019 , 64, 93-99	3.4	10
126	Growth and computational studies on vanillin isoniazid single crystals. <i>Chinese Journal of Physics</i> , 2021 , 72, 229-239	3.5	10
125	Synthesis, growth, crystal structure, vibrational, DFT and HOMO, LUMO analysis on protonated molecule-4-aminopyridinium nicotinate. <i>Journal of Molecular Structure</i> , 2021 , 1239, 130449	3.4	10

124	Exploring the therapeutic potentials of phyto-mediated silver nanoparticles formed via <i>Calotropis procera</i> (Ait.) R. Br. root extract. <i>Journal of Experimental Nanoscience</i> , 2020 , 15, 217-231	1.9	9
123	Growth, optical, mechanical and electrical studies of nonlinear optical crystal: L-Valinium oxalate. <i>Optik</i> , 2014 , 125, 5842-5845	2.5	9
122	Enhanced photocatalytic activity of Cuprous Oxide nanoparticles for malachite green degradation under the visible light radiation. <i>Materials Research Express</i> , 2020 , 7, 015038	1.7	9
121	Photocatalytic activity and antibacterial efficacy of titanium dioxide nanoparticles mediated by <i>Myristica fragrans</i> seed extract. <i>Chemical Physics Letters</i> , 2021 , 771, 138527	2.5	9
120	Comparative studies on structural, optical, and biological properties of SnO ₂ and Ni-doped SnO ₂ nanocrystals. <i>Materials Research Express</i> , 2019 , 6, 125099	1.7	9
119	Hydrothermal synthesis of zinc stannate nanoparticles spectroscopic investigation. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 11268-11274	2.1	8
118	New design of mesoporous SiO ₂ combined In ₂ O ₃ -graphene semiconductor nanocomposite for highly effective and selective gas detection. <i>Journal of Materials Science</i> , 2020 , 55, 13085-13101	4.3	8
117	Role of mesoporous silica nanoparticles for the drug delivery applications. <i>Materials Research Express</i> , 2020 , 7, 102002	1.7	8
116	Effect of Synthesis Temperature on the Morphologies, Optical and Electrical Properties of MgO Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2488-2494	1.3	8
115	Synthesis, growth and computational studies on vanillin nicotinamide single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	8
114	Synthesis of lead titanate nanoparticles via sol-gel technique and its characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 13016-13021	2.1	8
113	Fabrication of Magnesium oxide nanoparticles using combustion method for a biological and environmental cause. <i>Chemical Physics Letters</i> , 2021 , 763, 138216	2.5	8
112	A facile synthesis of TiO ₂ /SiO ₂ /CdS-nanocomposites optical and electrical investigations. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 9072-9080	2.1	7
111	Enhanced Photocatalytic Behavior of (GO/Cu ₂ O) Composite with Cu ₂ O Being Synthesized Through Green Route. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 7215-7220	1.3	7
110	Investigation of the dielectric and impedance properties of ZnO/MgO nanocomposite. <i>Physica B: Condensed Matter</i> , 2020 , 594, 412355	2.8	7
109	A waste to worth approach in preparing Ferric vanadate Nanoparticles using peel extract for photocatalytic dye degradation induced by UV light. <i>Optik</i> , 2019 , 194, 163085	2.5	7
108	Structural and optical absorption studies of cobalt substituted strontium ferrites, SrCo _x Fe _{12-x} O ₁₉ (x = 0.1, 0.2 and 0.3). <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 1238-1246	2.1	7
107	A study of optical, surface morphological and electrical properties of manganese oxide nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 2739-2746	2.1	7

106	Exploration of the antibacterial capacity and ethanol sensing ability of Cu-TiO ₂ nanoparticles. <i>Journal of Experimental Nanoscience</i> , 2020 , 15, 337-349	1.9	7
105	Comparison of Oral Montelukast and Intranasal Fluticasone in Patients with Asthma and Allergic Rhinitis. <i>Journal of Clinical and Diagnostic Research JCDR</i> , 2016 , 10, OC06-10	0	7
104	Drug Leaching Properties of Vancomycin Loaded Mesoporous Hydroxyapatite as Bone Substitutes. <i>Processes</i> , 2019 , 7, 826	2.9	7
103	Synthesis, growth, spectral and computational studies on aminomethylpyridinium trichloroacetate single crystal. <i>Chinese Journal of Physics</i> , 2021 , 73, 746-755	3.5	7
102	Functionalized graphene-based nanocomposites for smart optoelectronic applications. <i>Nanotechnology Reviews</i> , 2021 , 10, 605-635	6.3	7
101	Green synthesis of silver nanoparticles using fruits extracts of <i>Syzygium cumini</i> and their bioactivity. <i>Chemical Physics Letters</i> , 2022 , 795, 139493	2.5	7
100	Studies on Nanocrystalline Nickel Oxide Thin Films for Potential Applications. <i>Materials Today: Proceedings</i> , 2017 , 4, 4123-4129	1.4	6
99	Comparison of sunlight-driven photocatalytic activity of semiconductor metal oxides of tin oxide and cadmium oxide nanoparticles. <i>Optik</i> , 2020 , 217, 164878	2.5	6
98	Mechanistic anticarcinogenic efficacy of phytofabricated gold nanoparticles on human lung adenocarcinoma cells. <i>Journal of Experimental Nanoscience</i> , 2020 , 15, 160-173	1.9	6
97	Effect of Hybrid mono/bimetallic Nanocomposites for an enhancement of Catalytic and Antimicrobial Activities. <i>Scientific Reports</i> , 2020 , 10, 2586	4.9	6
96	Structural, optical and dielectric investigation of CdFe ₂ O ₄ nanoparticles. <i>Materials Research Express</i> , 2017 , 4, 075025	1.7	6
95	Effect of Manganese on Co/Mn/CNT Bimetallic Catalyst Performance in Fischer-Tropsch Reaction. <i>Symmetry</i> , 2019 , 11, 1328	2.7	6
94	Preparation, Structural and Electrical Properties of Tin Oxide Nanoparticles. <i>Journal of Nanomaterials & Molecular Nanotechnology</i> , 2015 , 04,		6
93	Studies on Optical, Mechanical and Electrical Properties of Organic Nonlinear Optical p-Toluidine p-Toluenesulfonate Single Crystal. <i>Journal of Crystallization Process and Technology</i> , 2014 , 04, 99-110	0.3	6
92	Novel-structured mesoporous SiO ₂ and ZrO ₂ /TiO ₂ nanocomposite for photocatalytic degradation of toxic phenolic derivatives under the visible light irradiation. <i>Surfaces and Interfaces</i> , 2020 , 20, 100613	4.1	6
91	Investigation on antibacterial and hemolytic properties of magnesium-doped hydroxyapatite nanocomposite. <i>Chemical Physics Letters</i> , 2021 , 771, 138539	2.5	6
90	Enhanced photocatalytic degradation of Acid Blue dye using CdS/TiO ₂ nanocomposite.. <i>Scientific Reports</i> , 2022 , 12, 5759	4.9	6
89	Chemical bath deposition (CBD) of zinc selenide (ZnSe) thin films and characterisation. <i>Australian Journal of Mechanical Engineering</i> , 2017 , 15, 222-227	1	5

88	Significant effect on annealing temperature and enhancement on structural, optical and electrical properties of zinc oxide nanowires. <i>Results in Physics</i> , 2020 , 17, 103185	3.7	5
87	A facile one-step hydrothermal synthesis of HfO ₂ /graphene nanocomposite and its physio-chemical properties. <i>Materials Research Express</i> , 2018 , 5, 035014	1.7	5
86	Studies on electrical properties of MgO/Pr ₆ O ₁₁ nanocomposite. <i>Nanomaterials and Nanotechnology</i> , 2016 , 6, 184798041666727	2.9	5
85	Low temperature synthesis of α and β phase Bi ₂ O ₃ thin film via B doping: tailoring optical band gap and n- to p-type Bi ₂ O ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 15670-15682	2.1	5
84	CBD progression of Ti-doped ZnO thin film spectroscopic characterizations. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 16554-16560	2.1	5
83	Growth, optical, mechanical and electrical studies of nonlinear optical single crystal: potassium para-nitrophenolate dihydrate. <i>Science Postprint</i> , 2014 , 1,		5
82	Halal and Kosher gelatin: Applications as well as detection approaches with challenges and prospects. <i>Food Bioscience</i> , 2021 , 101422	4.9	5
81	Microwave synthesis of hydroxyapatite encumbered with ascorbic acid intended for drug leaching studies. <i>Materials Research Innovations</i> , 2020 , 24, 171-178	1.9	5
80	Nanoformulations of core-shell type hydroxyapatite-coated gum acacia with enhanced bioactivity and controlled drug delivery for biomedical applications. <i>New Journal of Chemistry</i> , 2020 , 44, 7175-7185	3.6	5
79	Enhanced Photocatalytic Activity of rGO-CuO Nanocomposites for the Degradation of Organic Pollutants. <i>Catalysts</i> , 2021 , 11, 1008	4	5
78	Microwave-assisted synthesis, characterization and photocatalytic activity of mercury vanadate nanoparticles. <i>Inorganic Chemistry Communication</i> , 2021 , 131, 108768	3.1	5
77	Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO ₂ nanoparticles. <i>Chemical Physics Letters</i> , 2021 , 780, 138897	2.5	5
76	Drug delivery and antimicrobial studies of chitosan-alginate based hydroxyapatite bioscaffolds formed by the Casein micelle assisted synthesis. <i>Materials Chemistry and Physics</i> , 2021 , 272, 125019	4.4	5
75	Photocatalytic activity of CuO nanoparticles for organic and inorganic pollutants removal in wastewater remediation.. <i>Chemosphere</i> , 2022 , 134623	8.4	5
74	A glassy carbon electrode modified with tailored nanostructures of cobalt oxide for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 18850-18858	6.7	4
73	Influence of sonication on the physicochemical and biological characteristics of selenium-substituted hydroxyapatites. <i>New Journal of Chemistry</i> , 2020 , 44, 17453-17464	3.6	4
72	Enhanced photocatalytic degradation efficiency of graphitic carbon nitride-loaded CeO ₂ nanoparticles. <i>Chemical Physics Letters</i> , 2021 , 769, 138441	2.5	4
71	Preparation and Characterization of the Structural, Optical, Spectroscopic and Electrical Properties of Pr ₂ O ₅ doped Borate Glass. <i>Materials Research</i> , 2016 , 19, 923-927	1.5	4

70	Renewable energy scenario in Telangana. <i>International Journal of Ambient Energy</i> , 2020 , 41, 1110-1117	2	4
69	Synthesis, growth, supramolecularity and antibacterial efficacy of 3,4-dimethoxybenzoic acid single crystals. <i>Chemical Physics Letters</i> , 2021 , 764, 138269	2.5	4
68	Synthesis, growth, spectral, optical and thermal studies of thiourea family crystal: TTPB. <i>Materials Research Express</i> , 2017 , 4, 026202	1.7	3
67	Investigations on the linear, non-linear and optical studies of an efficient organobimetallic zinc cadmium thiocyanate non-linear optical complex crystal. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 14787-14797	2.1	3
66	Lattice Strain Analysis of a Mn-Doped CdSe QD System Using Crystallography Techniques. <i>Processes</i> , 2019 , 7, 639	2.9	3
65	A simple theoretical approach to analyze the second harmonic generation of single crystals. <i>Optik</i> , 2015 , 126, 317-319	2.5	3
64	Synthesis, characterization, and electrical properties of alkali earth metal-doped bioceramics. <i>Materials Chemistry and Physics</i> , 2020 , 249, 123141	4.4	3
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