Suresh Sagadevan

List of Publications by Year in Descending Order

213 papers	2,491 citations	24 h-index	37 g-index
220 ext. papers	3,335 ext. citations	2.6 avg, IF	6.13 L-index

#	Paper	IF	Citations
213	Synthesis and Process Parametric Effects on the Photocatalyst Efficiency of CuO Nanostructures for Decontamination of Toxic Heavy Metal Ions. *Chemical Engineering and Processing: Process Intensification*, **2022**, 108814	3.7	2
212	Growth, spectroscopic and Hirshfeld surface analysis on pyridine urea single crystal. *Journal of Molecular Structure*, **2022**, 132606	3.4	0
211	Synthesis, growth, experimental, and theoretical characterization of 6-amino-1H-pyrimidine-2,4-dione dimethylacetamide single crystal. *Chinese Journal of Physics*, **2022**, 76, 14-23	3.5	2
210	Synthesis, growth, DFT, and HOMO-LUMO studies on pyrazolemethoxy benzaldehyde single crystals. *Chinese Journal of Physics*, **2022**, 76, 44-58	3.5	2
209	Photocatalysis Degradation of Dye Using P-Type Nanoparticles. *Green Chemistry and Sustainable Technology*, **2022**, 551-563	1.1	
208	Enhanced photocatalytic degradation of Acid Blue dye using CdS/TiO nanocomposite.. *Scientific Reports*, **2022**, 12, 5759	4.9	6
207	Green synthesis of silver nanoparticles using fruits extracts of Syzygium cumini and their bioactivity. *Chemical Physics Letters*, **2022**, 795, 139493	2.5	7
206	Hydrothermal Synthesis and Photocatalytic Activity of NiO Nanoparticles under Visible Light Illumination. *Bulletin of Chemical Reaction Engineering and Catalysis*, **2022**, 17, 340-349	1.7	0
205	Synthesis of Polyaniline Supported CdS/CdS-ZnS/CdS-TiO Nanocomposite for Efficient Photocatalytic Applications.. *Nanomaterials*, **2022**, 12,	5.4	1
204	Photocatalytic activity of CuO nanoparticles for organic and inorganic pollutants removal in wastewater remediation.. *Chemosphere*, **2022**, 134623	8.4	5
203	Current Developments in the Effective Removal of Environmental Pollutants through Photocatalytic Degradation Using Nanomaterials. *Catalysts*, **2022**, 12, 544	4	1
202	Photocatalytic Efficiency of Titanium Dioxide for Dyes and Heavy Metals Removal from Wastewater. *Bulletin of Chemical Reaction Engineering and Catalysis*, **2022**, 17, 430-450	1.7	1
201	Metal oxide-based glasses and their physical properties **2022**, 59-71		
200	Halal and Kosher gelatin: Applications as well as detection approaches with challenges and prospects. *Food Bioscience*, **2021**, 101422	4.9	5
199	Influence of graphene concentration towards the thermo-acoustic and vibrational properties of graphene: polyvinyl alcohol composites. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 10359-10367	2.1	1
198	Drug delivery and in vitro biological effects of gum ghatti-modified hydroxyapatite nanoporous composites. *Materials Chemistry and Physics*, **2021**, 263, 124385	4.4	2
197	Enhanced photocatalytic degradation efficiency of graphitic carbon nitride-loaded CeO2 nanoparticles. *Chemical Physics Letters*, **2021**, 769, 138441	2.5	4

196	Recent advances in natural polymer-based hydroxyapatite scaffolds: Properties and applications. *European Polymer Journal*, **2021**, 148, 110360	5.2	24
195	Photocatalytic and antibacterial performance of iron oxide nanoparticles formed by the combustion method. *Chemical Physics Letters*, **2021**, 771, 138524	2.5	3
194	Photocatalytic activity and antibacterial efficacy of titanium dioxide nanoparticles mediated by Myristica fragrans seed extract. *Chemical Physics Letters*, **2021**, 771, 138527	2.5	9
193	Investigation on antibacterial and hemolytic properties of magnesium-doped hydroxyapatite nanocomposite. *Chemical Physics Letters*, **2021**, 771, 138539	2.5	6
192	Silver-calcia stabilized zirconia nanocomposite coated medical grade stainless steel as potential bioimplants. *Surfaces and Interfaces*, **2021**, 24, 101086	4.1	1
191	Synthesis, growth and computational studies on vanillin nicotinamide single crystals. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	8
190	Effect of Temperature, Syngas Space Velocity and Catalyst Stability of Co-Mn/CNT Bimetallic Catalyst on Fischer Tropsch Synthesis Performance. *Catalysts*, **2021**, 11, 846	4	0
189	Influence of reaction temperature on the physicochemical characteristics of tin oxide nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 19594-19604	2.1	1
188	Bone tissue engineering potentials of 3D printed magnesium-hydroxyapatite in polylactic acid composite scaffolds. *Artificial Organs*, **2021**, 45, 1501-1512	2.6	1
187	Fabrication of Magnesium oxide nanoparticles using combustion method for a biological and environmental cause. *Chemical Physics Letters*, **2021**, 763, 138216	2.5	8
186	Synthesis, growth, supramolecularity and antibacterial efficacy of 3,4-dimethoxybenzoic acid single crystals. *Chemical Physics Letters*, **2021**, 764, 138269	2.5	4
185	Development of porous guar gum-hydroxyapatite composite scaffolds via freeze-drying method. *Materials Today: Proceedings*, **2021**, 47, 1119-1122	1.4	1
184	Enhanced electrochemical and photocatalytic activity of g-C3N4-PANI-PPy nanohybrids. *Synthetic Metals*, **2021**, 272, 116669	3.6	2
183	Synthesis and characterization of polypyrrole-coated iron oxide nanoparticles. *Materials Research Express*, **2021**, 8, 025007	1.7	1
182	Current trends in the green syntheses of tin oxide nanoparticles and their biomedical applications. *Materials Research Express*, **2021**, 8, 082001	1.7	1
181	Enhanced Photocatalytic Activity of rGO-CuO Nanocomposites for the Degradation of Organic Pollutants. *Catalysts*, **2021**, 11, 1008	4	5
180	Growth and computational studies on vanillin isoniazid single crystals. *Chinese Journal of Physics*, **2021**, 72, 229-239	3.5	10
179	Growth, computational Studies, and docking analysis on □pyrrolidinopentiophenone hydrochloride monohydrate single crystal. *Journal of Molecular Structure*, **2021**, 131600	3.4	2

178	Synthesis, growth, crystal structure, vibrational, DFT and HOMO, LUMO analysis on protonated molecule-4-aminopyridinium nicotinate. *Journal of Molecular Structure*, **2021**, 1239, 130449	3.4	10
177	Microwave-assisted synthesis, characterization and photocatalytic activity of mercury vanadate nanoparticles. *Inorganic Chemistry Communication*, **2021**, 131, 108768	3.1	5
176	Growth, NBO, and vibrational studies combined with intramolecular hydrogen bond interaction of L-Valine lead (II) nitrate complex: DFT. *Journal of Molecular Structure*, **2021**, 131570	3.4	1
175	Synthesis, growth, spectral and computational studies on aminomethylpyridinium trichloroacetate single crystal. *Chinese Journal of Physics*, **2021**, 73, 746-755	3.5	7
174	Enhanced gas sensing and photocatalytic activity of reduced graphene oxide loaded TiO2 nanoparticles. *Chemical Physics Letters*, **2021**, 780, 138897	2.5	5
173	Synthesis, growth, structural, spectroscopic, optical, thermal, DFT, HOMO□LUMO, MEP, NBO analysis and thermodynamic properties of vanillin isonicotinic hydrazide single crystal. *Journal of Molecular Structure*, **2021**, 1243, 130856	3.4	14
172	Drug delivery and antimicrobial studies of chitosan-alginate based hydroxyapatite bioscaffolds formed by the Casein micelle assisted synthesis. *Materials Chemistry and Physics*, **2021**, 272, 125019	4.4	5
171	Functionalized graphene-based nanocomposites for smart optoelectronic applications. *Nanotechnology Reviews*, **2021**, 10, 605-635	6.3	7
170	Synthesis, characterization, and electrical properties of alkali earth metal-doped bioceramics. *Materials Chemistry and Physics*, **2020**, 249, 123141	4.4	3
169	Comparison of sunlight-driven photocatalytic activity of semiconductor metal oxides of tin oxide and cadmium oxide nanoparticles. *Optik*, **2020**, 217, 164878	2.5	6
168	Visible-Light Driven Effective Photocatalytic Degradation of Methylene Blue Dye Using Perforated Curly ZnNiO Nanosheets. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 5759-5764	1.3	
167	Green synthesis of cuprous oxide nanoparticles for environmental remediation and enhanced visible-light photocatalytic activity. *Optik*, **2020**, 214, 164849	2.5	18
166	New design of mesoporous SiO2 combined In2O3-graphene semiconductor nanocomposite for highly effective and selective gas detection. *Journal of Materials Science*, **2020**, 55, 13085-13101	4.3	8
165	Mechanistic anticarcinogenic efficacy of phytofabricated gold nanoparticles on human lung adenocarcinoma cells. *Journal of Experimental Nanoscience*, **2020**, 15, 160-173	1.9	6
164	Effect of Pressure, H2/CO Ratio and Reduction Conditions on Co□Mn/CNT Bimetallic Catalyst Performance in Fischer□ropsch Reaction. *Symmetry*, **2020**, 12, 698	2.7	1
163	Significant effect on annealing temperature and enhancement on structural, optical and electrical properties of zinc oxide nanowires. *Results in Physics*, **2020**, 17, 103185	3.7	5
162	Recent developments in reduced graphene oxide nanocomposites for photoelectrochemical water-splitting applications. *International Journal of Hydrogen Energy*, **2020**, 45, 11976-11994	6.7	32
161	A glassy carbon electrode modified with tailored nanostructures of cobalt oxide for oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2020**, 45, 18850-18858	6.7	4

160	Exploring the therapeutic potentials of phyto-mediated silver nanoparticles formed via Calotropis procera (Ait.) R. Br. root extract. *Journal of Experimental Nanoscience*, **2020**, 15, 217-231	1.9	9
159	Schiff-base derived chitosan impregnated copper oxide nanoparticles: An effective photocatalyst in direct sunlight. *Materials Science in Semiconductor Processing*, **2020**, 119, 105238	4.3	1
158	Investigation of the dielectric and impedance properties of ZnO/MgO nanocomposite. *Physica B: Condensed Matter*, **2020**, 594, 412355	2.8	7
157	Effect of Hybrid mono/bimetallic Nanocomposites for an enhancement of Catalytic and Antimicrobial Activities. *Scientific Reports*, **2020**, 10, 2586	4.9	6
156	Physicochemical characteristics of poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) electrospun nanofibres for the adsorption of phenol. *Journal of Experimental Nanoscience*, **2020**, 15, 26-53	1.9	2
155	Evaluation of the photocatalytic efficiency of cobalt oxide nanoparticles towards the degradation of crystal violet and methylene violet dyes. *Optik*, **2020**, 207, 164428	2.5	31
154	Synthesis, growth and physicochemical characterization of 8-hydroxyquinolinium 3,4 dimethoxybenzoate, a novel organic nonlinear optical single crystal. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	12
153	Exploration of gum ghatti-modified porous scaffolds for bone tissue engineering applications. *New Journal of Chemistry*, **2020**, 44, 2389-2401	3.6	10
152	Comparative studies of crystal violet dye removal between semiconductor nanoparticles and natural adsorbents. *Optik*, **2020**, 206, 164281	2.5	18
151	Highly effective photocatalytic degradation of methylene blue using PrO2/MgO nanocomposites under UV light. *Optik*, **2020**, 206, 164318	2.5	12
150	Docking and in vitro molecular biology studies of p-anisidine-appended 1-hydroxy-2-acetonapthanone Schiff base lanthanum(III) complexes. *RSC Advances*, **2020**, 10, 16457-16472	3.7	3
149	Microwave-assisted synthesized porous clay heterostructure-Zn/Si from montmorillonite for citronellal conversion into isopulegol. *Materials Research Express*, **2020**, 7, 105006	1.7	2
148	Role of mesoporous silica nanoparticles for the drug delivery applications. *Materials Research Express*, **2020**, 7, 102002	1.7	8
147	Synthesis and physico-chemical characterization of nonlinear optical single crystals of S-carboxymethyl L-cysteine for optoelectronic devices applications **2020**,		1
146	Junction engineering in two-stepped recessed SiGe MOSFETs for high performance application **2020**,		2
145	Enhanced photocatalytic activity of Cuprous Oxide nanoparticles for malachite green degradation under the visible light radiation. *Materials Research Express*, **2020**, 7, 015038	1.7	9
144	Enhanced properties of cadmium mercury thiocyanate bis(N-methyl formamide): A promising non-linear optical crystal. *Chinese Journal of Physics*, **2020**, 67, 52-62	3.5	2
143	Fabrication and physicochemical characterization of g-C3N4/ZnO composite with enhanced photocatalytic activity under visible light. *Optical Materials*, **2020**, 100, 109643	3.3	24

142	Synergistic effects of rubber band infused graphene nanocomposite on morphology, spectral, and dynamic mechanical properties. *Polymer Composites*, **2020**, 41, 1475-1480	3	3
141	Fabrication of nitrogen-rich graphitic carbon nitride/Cu2O (g-C3N4@Cu2O) composite and its enhanced photocatalytic activity for organic pollutants degradation. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 2257-2268	2.1	11
140	Physicochemical and magnetic properties of pure and Fe doped TiO2 nanoparticles synthesized by sol-gel method. *Materials Today: Proceedings*, **2020**,	1.4	2
139	Influence of Incorporated Barium Ion on the Physio-Chemical Properties of Zinc Oxide Nanodisks Synthesized via a Sonochemical Process. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 5452-5457	1.3	2
138	Exploration of the antibacterial capacity and ethanol sensing ability of Cu-TiO2 nanoparticles. *Journal of Experimental Nanoscience*, **2020**, 15, 337-349	1.9	7
137	Polypyrrole-Bonded Quaternary Semiconductor LiCuMoO-Graphene Nanocomposite for a Narrow Band Gap Energy Effect and Its Gas-Sensing Performance. *ACS Omega*, **2020**, 5, 17337-17346	3.9	12
136	Novel-structured mesoporous SiO2 and ZrO2□O nanocomposite for photocatalytic degradation of toxic phenolic derivatives under the visible light irradiation. *Surfaces and Interfaces*, **2020**, 20, 100613	4.1	6
135	Investigation of the optical, photoluminescence, and dielectric properties of P-Toludinium picrate single crystals. *Chinese Journal of Physics*, **2020**, 67, 283-292	3.5	11
134	Influence of bismuth nitrate doping towards the characteristics of L-Alanine nonlinear optical crystals. *Chinese Journal of Physics*, **2020**, 67, 349-359	3.5	3
133	Gold nanorods-coated reduced graphene oxide as a modified electrode for the electrochemical sensory detection of NADH. *Journal of Alloys and Compounds*, **2020**, 847, 156552	5.7	12
132	Influence of Zn2+ doping towards the structural, magnetic, and dielectric properties of NiFe2O4 composite. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 16369-16378	2.1	3
131	Influence of sonication on the physicochemical and biological characteristics of selenium-substituted hydroxyapatites. *New Journal of Chemistry*, **2020**, 44, 17453-17464	3.6	4
130	Effect of Synthesis Temperature on the Morphologies, Optical and Electrical Properties of MgO Nanostructures. *Journal of Nanoscience and Nanotechnology*, **2020**, 20, 2488-2494	1.3	8
129	Exploring the binding effect of a seaweed-based gum in the fabrication of hydroxyapatite scaffolds for biomedical applications. *Materials Research Innovations*, **2020**, 24, 75-81	1.9	2
128	Microwave synthesis of hydroxyapatite encumbered with ascorbic acid intended for drug leaching studies. *Materials Research Innovations*, **2020**, 24, 171-178	1.9	5
127	Renewable energy scenario in Telangana. *International Journal of Ambient Energy*, **2020**, 41, 1110-1117	2	4
126	Reduced graphene/nanostructured cobalt oxide nanocomposite for enhanced electrochemical performance of supercapacitor applications. *Journal of Colloid and Interface Science*, **2020**, 558, 68-77	9.3	26
125	Facile fabrication of phase transformed cerium (IV) doped hydroxyapatite for biomedical applications □A health care approach. *Ceramics International*, **2020**, 46, 2510-2522	5.1	16

124	Nanoformulations of core□shell type hydroxyapatite-coated gum acacia with enhanced bioactivity and controlled drug delivery for biomedical applications. *New Journal of Chemistry*, **2020**, 44, 7175-7185	3.6	5
123	Lattice Strain Analysis of a Mn-Doped CdSe QD System Using Crystallography Techniques. *Processes* , **2019**, 7, 639	2.9	3
122	Highly sensitive ethanol sensor based on TiO2 nanoparticles and its photocatalyst activity. *Optik*, **2019**, 182, 512-518	2.5	29
121	Green hydrothermal synthesis of gold and palladium doped titanium dioxide nanoparticles for multifunctional performance. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 12812-12819	2.1	19
120	Bio-fabrication of pigment-capped silver nanoparticles encountering antibiotic-resistant strains and their cytotoxic effect towards human epidermoid larynx carcinoma (HEp-2) cells.. *RSC Advances*, **2019**, 9, 15874-15886	3.7	11
119	Tailoring morphological characteristics of zinc oxide using a one-step hydrothermal method for photoelectrochemical water splitting application. *International Journal of Hydrogen Energy*, **2019**, 44, 17535-17543	6.7	16
118	Effect of graphene infusion on morphology and performance of natural rubber latex/graphene composites. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 12888-12894	2.1	13
117	Enhanced Photocatalytic Behavior of (GO/CuO) Composite with CuO Being Synthesized Through Green Route. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 7215-7220	1.3	7
116	Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. *Materials*, **2019**, 12,	3.5	67
115	Synthesis and characterisation of bis(2 methyl-8-hydroxyquinoline) zinc nanoparticles for organic light emitting diode applications. *Molecular Simulation*, **2019**, 45, 790-796	2	1
114	Fabrication of reduced graphene oxide/CeO2 nanocomposite for enhanced electrochemical performance. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	12
113	Tailoring the structural, morphological, optical, thermal and dielectric characteristics of ZnO nanoparticles using starch as a capping agent. *Results in Physics*, **2019**, 15, 102543	3.7	16
112	Low temperature synthesis of □and □phase Bi2O3 thin film via B doping: tailoring optical band gap and n- to p-type Bi2O3. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 15670-15682	2.1	5
111	A waste to worth approach in preparing Ferric vanadate Nanoparticles using peel extract for photocatalytic dye degradation induced by UV light. *Optik*, **2019**, 194, 163085	2.5	7
110	Evaluation of photocatalytic activity of copper ferrite nanoparticles. *Materials Research Express*, **2019**, 6, 095014	1.7	11
109	Synthesis and evaluation of the structural, optical, and antibacterial properties of copper oxide nanoparticles. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	25
108	Facile synthesis of silver nanoparticles using Averrhoa bilimbi L and Plum extracts and investigation on the synergistic bioactivity using in vitro models. *Green Processing and Synthesis*, **2019**, 8, 873-884	3.9	11
107	Investigation on Surface Properties of Mn-Doped CdSe Quantum Dots Studied by X-ray Photoelectron Spectroscopy. *Symmetry*, **2019**, 11, 1250	2.7	1

106	Influence of fiber length, fiber content and alkali treatment on mechanical properties of natural fiber-reinforced epoxy composites. *Polimery*, **2019**, 64, 93-99	3.4	10
105	Effect of Manganese on Co□Mn/CNT Bimetallic Catalyst Performance in Fischer□Tropsch Reaction. *Symmetry*, **2019**, 11, 1328	2.7	6
104	Studies on the growth and characterization of L-cysteine hydrogen fluoride single crystal. *Materials Science-Poland*, **2019**, 37, 304-309	0.6	
103	Tailoring the morphological features of sol-gel synthesized mesoporous hydroxyapatite using fatty acids as an organic modifier.. *RSC Advances*, **2019**, 9, 6228-6240	3.7	21
102	Fabrication of photocatalyst MgO: CuO composite and enhancement of photocatalytic activity under UV light. *Materials Research Express*, **2019**, 6, 125023	1.7	3
101	Advanced lithium substituted hydroxyapatite nanoparticles for antimicrobial and hemolytic studies. *New Journal of Chemistry*, **2019**, 43, 18484-18494	3.6	18
100	Comparative studies on structural, optical, and biological properties of SnO2 and Ni-doped SnO2 nanocrystals. *Materials Research Express*, **2019**, 6, 125099	1.7	9
99	Drug Leaching Properties of Vancomycin Loaded Mesoporous Hydroxyapatite as Bone Substitutes. *Processes*, **2019**, 7, 826	2.9	7
98	Synthesis, characterization and electrochemical properties of cadmium sulfide □Reduced graphene oxide nanocomposites. *Results in Physics*, **2019**, 12, 878-885	3.7	12
97	Fabrication and characterization of porous scaffolds for bone replacements using gum tragacanth. *Materials Science and Engineering C*, **2019**, 96, 487-495	8.3	28
96	Enhancement of electro-optic and structural properties of TGS single crystals on doping with l-glutamic acid. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 7904-7916	2.1	12
95	A facile one-step hydrothermal synthesis of HfO2/graphene nanocomposite and its physio-chemical properties. *Materials Research Express*, **2018**, 5, 035014	1.7	5
94	Influence of CTAB surfactant on structural and optical properties of CuS and CdS nanoparticles by hydrothermal route. *Journal of Experimental Nanoscience*, **2018**, 13, 130-143	1.9	23
93	Investigating the effect of Mn-doped CeO2 nanoparticles by co-precipitation method. *Applied Physics A: Materials Science and Processing*, **2018**, 124, 1	2.6	20
92	Synthesis and characterization of grinding aid fly ash blended mortar effect on bond strength of masonry prisms. *Materials Research Express*, **2018**, 5, 045052	1.7	1
91	One pot synthesis of hybrid ZnS□raphene nanocomposite with enhanced photocatalytic activities using hydrothermal approach. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 9099-9107	2.1	11
90	A facile chemical route synthesis and characterization of CdSe/ZnO nanocomposite. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 1600-1606	2.1	3
89	Influence of Mg Doping on ZnO Nanoparticles for Enhanced Photocatalytic Evaluation and Antibacterial Analysis. *Nanoscale Research Letters*, **2018**, 13, 229	5	117

88	A review on electrochemically modified carbon nanotubes (CNTs) membrane for desalination and purification of water. *Materials Research Express*, **2018**, 5, 102001	1.7	20
87	Effect of Temperature on the Physical, Electro-Chemical and Adsorption Properties of Carbon Micro-Spheres Using Hydrothermal Carbonization Process. *Nanomaterials*, **2018**, 8,	5.4	17
86	Preparation and Characterization of Nickel ferrite Nanoparticles via Co-precipitation Method. *Materials Research*, **2018**, 21,	1.5	57
85	Electrochemically active carbon nanotube (CNT) membrane filter for desalination and water purification **2018**, 333-363		2
84	Preparation and characterization of Kevlar/glass fiber laminates with a nanoclay enhanced epoxy matrix. *Materialpruefung/Materials Testing*, **2018**, 60, 81-84	1.9	2
83	Synthesis, growth and characterization of a glycine potassium dichromate (GPDC) single crystal. *Materialpruefung/Materials Testing*, **2018**, 60, 431-437	1.9	
82	Development, optimization and characterization of a two step sol–gel synthesis route for ZnO/SnO2 nanocomposite. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 4128-4135	2.1	12
81	Preparation and characterization of a bis thiourea sodium iodide (BTSI). *Journal of Thermal Analysis and Calorimetry*, **2018**, 131, 2179-2186	4.1	3
80	A one-step facile route synthesis of copper oxide/reduced graphene oxide nanocomposite for supercapacitor applications. *Journal of Experimental Nanoscience*, **2018**, 13, 284-296	1.9	14
79	Structure, Properties, Photocatalytic and Antibacterial Activity and Applications of Zinc Oxide Nanoparticles—An Overview. *Journal of Bionanoscience*, **2018**, 12, 457-468		2
78	A facile hydrothermal approach for catalytic and optical behavior of tin oxide- graphene (SnO2/G) nanocomposite. *PLoS ONE*, **2018**, 13, e0202694	3.7	21
77	Synthesis and Characterization of Non-Linear Optical Crystal of Manganese Mercury Thiocyanate Glycol Monomethyl Ether. *Materials Research*, **2018**, 21,	1.5	3
76	Synthesis and characterization of TiO2/graphene oxide nanocomposite. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 7892-7898	2.1	22
75	In situ growth and physio-electrical characterization of bis-thiourea cadmium-iodide (BTCI) single crystal. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 6520-6528	2.1	2
74	A facile synthesis of TiO2/SiO2/CdS-nanocomposites—optical and electrical investigations. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 9072-9080	2.1	7
73	Studies on Optical and Electrical Properties of Hafnium Oxide Nanoparticles. *Journal of Electronic Materials*, **2017**, 46, 4392-4397	1.9	10
72	Synthesis, growth, spectral, optical and thermal studies of thiourea family crystal: TTPB. *Materials Research Express*, **2017**, 4, 026202	1.7	3
71	Studies on structural, optical and spectral properties of Europium oxide doped phosphate glasses. *Optik*, **2017**, 136, 165-171	2.5	22

70	Hydrothermal synthesis of zinc stannate nanoparticles spectroscopic investigation. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 11268-11274	2.1	8
69	Synthesis and Characterization of Cobalt Ferrite (CoFe2O4) Nanoparticles Prepared by Hydrothermal Method. *Springer Proceedings in Physics*, **2017**, 145-152	0.2	13
68	Synthesis and Characterization of CuInSe2 Nanoparticles by Hydrothermal Method. *Springer Proceedings in Physics*, **2017**, 89-98	0.2	1
67	Fabrication of CuO nanoparticles for structural, optical and dielectric analysis using chemical precipitation method. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 12591-12597	2.1	27
66	Studies on Nanocrystalline Nickel Oxide Thin Films for Potential Applications. *Materials Today: Proceedings*, **2017**, 4, 4123-4129	1.4	6
65	Structural, dielectric and optical investigation of chemically synthesized Ag-doped ZnO nanoparticles composites. *Journal of Sol-Gel Science and Technology*, **2017**, 83, 394-404	2.3	43
64	Investigations on the linear, non-linear and optical studies of an efficient organobimetallic zinc cadmium thiocyanate non-linear optical complex crystal. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 14787-14797	2.1	3
63	A comparative study on lanthanum oxide and holmium oxide doped borate glasses. *Glass Physics and Chemistry*, **2017**, 43, 233-239	0.7	0
62	Synthesis and characterization of NiFe2O4, CoFe2O4 and CuFe2O4 thin films for anode material in Li-ion batteries. *Nanomaterials and Nanotechnology*, **2017**, 7, 184798041771108	2.9	10
61	A study of the structural, spectroscopic, and dielectric properties of La2O3 doped borate glass. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 10780-10784	2.1	1
60	A chemical synthesized Al-doped PbS nanoparticles hybrid composite for optical and electrical response. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 10902-10908	2.1	15
59	Precipitation method and characterization of cobalt oxide nanoparticles. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	47
58	Chemical bath deposition (CBD) of zinc selenide (ZnSe) thin films and characterisation. *Australian Journal of Mechanical Engineering*, **2017**, 15, 222-227	1	5
57	Optical and electrical smart response of chemically stabilized graphene oxide. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 5235-5243	2.1	19
56	Optical and Electrical Properties of Chemical Bath Deposited Cobalt Sulphide Thin Films. *Materials Research*, **2017**, 20, 62-67	1.5	12
55	Photocatalytic and antibacterial studies of indium-doped ZnO nanoparticles synthesized by co-precipitation technique. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 19025-19037	2.1	21
54	Controllable synthesis of Graphene/ZnO-nanocomposite for novel switching. *Journal of Alloys and Compounds*, **2017**, 728, 645-654	5.7	27
53	Structural, optical and dielectric investigation of CdFe2O4nanoparticles. *Materials Research Express*, **2017**, 4, 075025	1.7	6

52	CBD progression of Ti-doped ZnO thin film spectroscopic characterizations. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 16554-16560	2.1	5
51	Scalable synthesis of CdS□raphene nanocomposite spectroscopic characterizations. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 17193-17201	2.1	15
50	Synthesis of tungsten carbide nanoparticles by hydrothermal method and its Characterization. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 1136-1141	2.1	17
49	Structural and optical absorption studies of cobalt substituted strontium ferrites, SrCoxFe12□O19 (x = 0.1, 0.2 and 0.3). *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 1238-1246	2.1	7
48	A study of optical, surface morphological and electrical properties of manganese oxide nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 2739-2746	2.1	7
47	Investigations on dielectric and impedance properties of M-type hexaferrite. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 2910-2922	2.1	10
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