

# Chikkadasappa Shivakumara

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

184  
papers

5,865  
citations

45  
h-index

64  
g-index

189  
ext. papers

6,439  
ext. citations

4.1  
avg, IF

5.84  
L-index

#	Paper	IF	Citations
184	Evaluation of antimycobacterial, antioxidant, and anticancer activities of CuO nanoparticles through cobalt doping. <i>Applied Nanoscience (Switzerland)</i> , <b>2022</b> , 12, 79	3.3	1
183	Enhanced catechol biosensing on metal oxide nanocrystal sensitized graphite nanoelectrodes through preferential molecular adsorption. <i>Journal of Electroanalytical Chemistry</i> , <b>2020</b> , 867, 114190	4.1	5
182	Electroreduction of Carbon Dioxide into Selective Hydrocarbons at Low Overpotential Using Isomorphic Atomic Substitution in Copper Oxide. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 179-189	8.3	3
181	Effect of doping (with cobalt or nickel) and UV exposure on the antibacterial, anticancer, and ROS generation activities of zinc oxide nanoparticles. <i>Journal of Asian Ceramic Societies</i> , <b>2020</b> , 8, 1175-1187	2.4	3
180	The orange red luminescence and conductivity response of Eu <sup>3+</sup> doped GdOF phosphor: synthesis, characterization and their Judd-Ofelt analysis. <i>Materials Research Express</i> , <b>2019</b> , 6, 1250a2	1.7	2
179	Electrochemical insights into layered La <sub>2</sub> CuO <sub>4</sub> perovskite: Active ionic copper for selective CO <sub>2</sub> electroreduction at low overpotential. <i>Electrochimica Acta</i> , <b>2019</b> , 326, 134952	6.7	11
178	Effect of Ca <sup>2+</sup> ion co-doping on radiative properties via tuning the local symmetry around the Eu <sup>3+</sup> ions in orange red light emitting GdPO <sub>4</sub> :Eu <sup>3+</sup> phosphors. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 63-71	3.6	13
177	EPR and Optical Properties of UV-B Radiation-Emitting Gd <sup>3+</sup> -Doped BaLa <sub>2</sub> ZnO <sub>5</sub> Host Prepared by Sol-Gel Method. <i>Journal of Electronic Materials</i> , <b>2019</b> , 48, 3415-3422	1.9	3
176	Chonemorpha grandiflora extract mediated synthesis of Ag-ZnO nanoparticles for its anticancer, electrical and dielectric applications. <i>Materials Research Express</i> , <b>2019</b> , 6, 095068	1.7	6
175	Blue emitting Ce <sup>3+</sup> -doped CaYAl <sub>3</sub> O <sub>7</sub> phosphors prepared by combustion route. <i>Optik</i> , <b>2019</b> , 181, 1113-1121	1.7	12
174	Synthesis and structural characterization of orange red light emitting Sm <sup>3+</sup> activated BiOCl phosphor for WLEDs applications. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 785, 169-177	5.7	34
173	Alkali metal ion co-doped Eu <sup>3+</sup> activated GdPO <sub>4</sub> phosphors: Structure and photoluminescence properties. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 740, 1086-1098	5.7	24
172	Effect of Li, Na, K cations on photoluminescence of GdAlO <sub>3</sub> :Eu <sup>3+</sup> nanophosphor and study of Li cation on its antimicrobial activity. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 732, 725-739	5.7	21
171	Understanding the photoluminescence behaviour in nano CaZrO <sub>3</sub> :Eu <sup>3+</sup> pigments by Judd-Ofelt intensity parameters. <i>Dyes and Pigments</i> , <b>2018</b> , 150, 306-314	4.6	54
170	Synthesis and characterization of Sm <sup>3+</sup> activated La <sub>1-x</sub> Gd <sub>x</sub> PO <sub>4</sub> phosphors for white LEDs applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 19951-19964	2.1	13
169	Structural Studies of Multifunctional SrTiO Nanocatalyst Synthesized by Microwave and Oxalate Methods: Its Catalytic Application for Condensation, Hydrogenation, and Amination Reactions. <i>ACS Omega</i> , <b>2018</b> , 3, 10503-10512	3.9	15
168	A novel amperometric catechol biosensor based on FeO nanocrystals-modified carbon paste electrode. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , <b>2017</b> , 45, 625-634	6.1	15

167	Photoluminescence and photocatalytic properties of Eu <sup>3+</sup> -doped ZnO nanoparticles synthesized by the nitrate-citrate gel combustion method. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	11
166	Synthesis and Characterization of Luminescent La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> /Sm <sup>3+</sup> Polymer Nanocomposites <b>2017</b> , 163-189		3
165	Study of (La,Gd)OCl:Eu <sup>3+</sup> phosphors for WLEDs application: photoluminescence and Judd-Ofelt analysis. <i>International Journal of Nanotechnology</i> , <b>2017</b> , 14, 801	1.5	3
164	Effects of monovalent cation doping on the structure and photoluminescence of GdAlO <sub>3</sub> :Eu <sup>3+</sup> phosphor. <i>International Journal of Nanotechnology</i> , <b>2017</b> , 14, 793	1.5	2
163	A potential white light emitting cubic ZrO <sub>2</sub> :Dy <sup>3+</sup> , Li <sup>+</sup> nano phosphors for solid state lighting applications. <i>Journal of Luminescence</i> , <b>2017</b> , 192, 496-503	3.8	17
162	Synthesis, structure and thermoelectric properties of ( $\text{La}_{1-x}\text{Na}_x\text{CoO}_3$ ) perovskite oxides. <i>Bulletin of Materials Science</i> , <b>2017</b> , 40, 1291-1299	1.7	12
161	Dy <sup>3+</sup> /Eu <sup>3+</sup> co-doped CsGd(MoO <sub>4</sub> ) <sub>2</sub> phosphor with tunable photoluminescence properties for near-UV WLEDs applications. <i>Dyes and Pigments</i> , <b>2017</b> , 137, 244-255	4.6	79
160	Combustion synthesis and characterisation of Eu <sup>3+</sup> -activated Y <sub>2</sub> O <sub>3</sub> red nanophosphors for display device applications. <i>International Journal of Nanotechnology</i> , <b>2017</b> , 14, 833	1.5	6
159	Synthesis, characterisation and spectroscopic properties of GdOF:Eu <sup>3+</sup> phosphors and their Judd-Ofelt analysis. <i>International Journal of Nanotechnology</i> , <b>2017</b> , 14, 727	1.5	2
158	Charge compensation assisted enhancement of photoluminescence in combustion derived Li co-doped cubic ZrO:Eu nanophosphors. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 29447-29457	3.6	41
157	Red-emitting LaOF:Eu <sup>3+</sup> phosphors: Synthesis, structure and their Judd-Ofelt analysis for LED applications. <i>Materials Research Bulletin</i> , <b>2016</b> , 75, 100-109	5.1	34
156	White luminescence in Dy <sup>3+</sup> doped BiOCl phosphors and their Judd-Ofelt analysis. <i>Dyes and Pigments</i> , <b>2016</b> , 126, 154-164	4.6	92
155	Incorporation of Cr <sup>3+</sup> ions in tuning the magnetic and transport properties of nano zinc ferrite. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 657, 95-108	5.7	4
154	Synthesis, structure and photoluminescence properties of Sm <sup>3+</sup> -doped BiOBr phosphor <b>2016</b> ,		8
153	Structure and Catalytic Activity of Cr-Doped BaTiO <sub>3</sub> Nanocatalysts Synthesized by Conventional Oxalate and Microwave Assisted Hydrothermal Methods. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 4795-805	5.1	33
152	Synthesis of Eu <sup>3+</sup> -activated BiOF and BiOBr phosphors: photoluminescence, Judd-Ofelt analysis and photocatalytic properties. <i>RSC Advances</i> , <b>2015</b> , 5, 9241-9254	3.7	62
151	Self-propagating combustion synthesis of CdSiO <sub>3</sub> nano powder: structural and dosimetric applications. <i>Materials Research Express</i> , <b>2015</b> , 2, 025005	1.7	4
150	Synthesis of Eu <sup>3+</sup> -activated BaMoO <sub>4</sub> phosphors and their Judd-Ofelt analysis: Applications in lasers and white LEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 151, 141-8	4.4	48

149	Eu <sup>3+</sup> -activated SrMoO <sub>4</sub> phosphors for white LEDs applications: Synthesis and structural characterization. <i>Optical Materials</i> , <b>2015</b> , 42, 178-186	3-3	57
148	Comparative study of Eu <sup>3+</sup> -activated LnOCl (Ln=La and Gd) phosphors and their Judd-Ofelt analysis. <i>Journal of Rare Earths</i> , <b>2015</b> , 33, 946-953	3-7	23
147	Synthesis of Eu <sup>3+</sup> -activated ZnO superstructures: Photoluminescence, Judd-Ofelt analysis and Sunlight photocatalytic properties. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 409, 26-41		36
146	Effective Degradation of Aqueous Nitrobenzene Using the SrFeO <sub>3</sub> Photocatalyst under UV Illumination and Its Kinetics and Mechanistic Studies. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 7800-7810	3-9	19
145	One pot auto-ignition based synthesis of novel Sr <sub>2</sub> CeO <sub>4</sub> : Ho <sup>3+</sup> nanophosphor for photoluminescent applications. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 648, 1051-1059	5-7	12
144	Facile synthesis of PbWO <sub>4</sub> : applications in photoluminescence and photocatalytic degradation of organic dyes under visible light. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 136 Pt B, 348-55	4-4	30
143	Synthesis, luminescence properties and EPR investigation of hydrothermally derived uniform ZnO hexagonal rods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 139, 262-70	4-4	9
142	Photoluminescence, photocatalysis and Judd-Ofelt analysis of Eu <sup>3+</sup> -activated layered BiOCl phosphors. <i>RSC Advances</i> , <b>2015</b> , 5, 4109-4120	3-7	72
141	Photoluminescence properties of Eu <sup>3+</sup> -activated CaMoO <sub>4</sub> phosphors for WLEDs applications and its Judd-Ofelt analysis. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 287-298	4-3	54
140	CHARACTERIZATION AND MICROHARDNESS OF ELECTRODEPOSITED NiW COATINGS OBTAINED FROM GLUCONATE BATH. <i>Surface Review and Letters</i> , <b>2015</b> , 22, 1550011	1-1	9
139	Scheelite-type MWO <sub>4</sub> (M=Ca, Sr, and Ba) nanophosphors: Facile synthesis, structural characterization, photoluminescence, and photocatalytic properties. <i>Materials Research Bulletin</i> , <b>2015</b> , 61, 422-432	5-1	50
138	Facile green fabrication of iron-doped cubic ZrO <sub>2</sub> nanoparticles by Phyllanthus acidus: Structural, photocatalytic and photoluminescent properties. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 397, 36-47		58
137	Phase transformation of ZrO <sub>2</sub> :Tb <sup>3+</sup> nanophosphor: Color tunable photoluminescence and photocatalytic activities. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 622, 86-96	5-7	65
136	Combustion synthesized tetragonal ZrO <sub>2</sub> : Eu(3+) nanophosphors: structural and photoluminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 135, 241-51	4-4	100
135	Shape tailored green synthesis of CeO <sub>2</sub> :Ho <sup>3+</sup> nanopowders, its structural, photoluminescence and gamma radiation sensing properties. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 145, 63-75	4-4	16
134	Pt-Doped and Pt-Supported La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> : Comparative Activity of Pt <sup>4+</sup> and Pt <sup>0</sup> Toward the CO Poisoning Effect in Formic Acid and Methanol Electro-oxidation. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 14126-14134	3-8	25
133	Synthesis, characterization and photoluminescence properties of Bi <sup>3+</sup> co-doped CaSiO <sub>3</sub> :Eu <sup>3+</sup> nanophosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 139, 124-9	4-4	18
132	Luminescence enhancement in monoclinic CaAl <sub>2</sub> O <sub>4</sub> :Eu <sup>2+</sup> , Cr <sup>3+</sup> nanophosphor by fuel-blend combustion synthesis. <i>Chemical Engineering Journal</i> , <b>2015</b> , 267, 317-323	14-7	24

131	Synthesis, characterization and spectroscopic investigation of Cr <sup>3+</sup> doped wollastonite nanophosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 128, 403-7	4.4	4
130	Gd(1.96-x)Y(x)Eu0.04O <sub>3</sub> (x = 0.0, 0.49, 0.98, 1.47, 1.96 mol%) nanophosphors: propellant combustion synthesis, structural and luminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 128, 730-9	4.4	26
129	Synthesis and luminescence properties of Sm <sup>3+</sup> doped CaTiO <sub>3</sub> nanophosphor for application in white LED under NUV excitation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 128, 891-901	4.4	44
128	Hydrothermal synthesis of Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphors: Effect of surfactant on structural and luminescence properties. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 587, 755-762	5.7	39
127	Temperature dependent magnetic ordering and electrical transport behavior of nano zinc ferrite from 20 to 800K. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 590, 184-192	5.7	13
126	Magnetic and dielectric interactions in nano zinc ferrite powder: Prepared by self-sustainable propellant chemistry technique. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2014</b> , 358-359, 132-141	2.8	26
125	Auto-ignition based synthesis of Y <sub>2</sub> O <sub>3</sub> for photo- and thermo-luminescent applications. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 585, 129-137	5.7	50
124	Particle size, morphology and color tunable ZnO:Eu <sup>3+</sup> nanophosphors via plant latex mediated green combustion synthesis. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 584, 417-424	5.7	80
123	Dielectric and electrical studies of Pr <sup>3+</sup> doped nano CaSiO <sub>3</sub> perovskite ceramics. <i>Materials Research Bulletin</i> , <b>2014</b> , 50, 197-202	5.1	24
122	Effect of zinc substitution on the nanocobalt ferrite powders for nanoelectronic devices. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 587, 50-58	5.7	66
121	Low temperature synthesis of pure cubic ZrO <sub>2</sub> nanopowder: structural and luminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 122, 216-22	4.4	37
120	Mixture of fuels approach for the synthesis of SrFeO(3- $\delta$ ) nanocatalyst and its impact on the catalytic reduction of nitrobenzene. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 12178-85	5.1	30
119	GdAlO <sub>3</sub> :Eu(3+):Bi(3+) nanophosphor: synthesis and enhancement of red emission for WLEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 133, 550-8	4.4	26
118	Photoluminescence, thermoluminescence and EPR studies of solvothermally derived Ni <sup>2+</sup> doped Y(OH) <sub>3</sub> and Y <sub>2</sub> O <sub>3</sub> multi-particle-chain microrods. <i>Journal of Luminescence</i> , <b>2014</b> , 155, 125-134	3.8	10
117	Plant latex mediated green synthesis of ZnAl <sub>2</sub> O <sub>4</sub> :Dy <sup>3+</sup> (1 $\mu$ mol%) nanophosphor for white light generation. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 585, 561-571	5.7	43
116	Synthesis, structural and thermoluminescence properties of YAlO <sub>3</sub> :Dy <sup>3+</sup> nanophosphors. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 591, 337-345	5.7	7
115	Role of Cu <sup>2+</sup> ions substitution in magnetic and conductivity behavior of nano-CoFe <sub>2</sub> O <sub>4</sub> . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 132, 256-62	4.4	36
114	Luminescence studies and EPR investigation of solution combustion derived Eu doped ZnO. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 132, 305-12	4.4	21

113	Combustion synthesis approach for spectral tuning of Eu doped CaAl <sub>2</sub> O <sub>4</sub> phosphors. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 589, 596-603	5.7	26
112	Comparison of structural and luminescence properties of Dy <sub>2</sub> O <sub>3</sub> nanopowders synthesized by co-precipitation and green combustion routes. <i>Materials Research Bulletin</i> , <b>2014</b> , 55, 237-245	5.1	42
111	Eco-friendly green synthesis, structural and photoluminescent studies of CeO <sub>2</sub> :Eu <sup>3+</sup> nanophosphors using E. tirucalli plant latex. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 612, 425-434	5.7	46
110	Self propagating combustion synthesis and luminescent properties of nanocrystalline CeO <sub>2</sub> :Tb <sup>3+</sup> (100 mol%) phosphors. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 590, 131-139	5.7	26
109	A highly efficient iron doped BaTiO <sub>3</sub> nanocatalyst for the catalytic reduction of nitrobenzene to azoxybenzene. <i>RSC Advances</i> , <b>2014</b> , 4, 18881-18884	3.7	10
108	Synthesis, characterization, EPR and thermoluminescence properties of CaTiO <sub>3</sub> nanophosphor. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 1490-1498	5.1	29
107	Synthesis, luminescence and EPR studies on CaSiO <sub>3</sub> : Pb, Mn-nano phosphors synthesized by the solution combustion method. <i>Ceramics International</i> , <b>2013</b> , 39, 1917-1922	5.1	15
106	Structural and magnetic properties of SmCo <sub>5</sub> /Co exchange coupled nanocomposite thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 342, 74-79	2.8	16
105	Structural, EPR, optical and magnetic properties of Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 104, 512-8	4.4	33
104	Effect of TiN particulate reinforcement on corrosive behaviour of aluminium 6061 composites in chloride medium. <i>Bulletin of Materials Science</i> , <b>2013</b> , 36, 1057-1066	1.7	15
103	Synthesis, characterization, EPR, photo and thermoluminescence properties of YAlO <sub>3</sub> :Ni <sup>2+</sup> nanophosphors. <i>Journal of Luminescence</i> , <b>2013</b> , 135, 105-112	3.8	38
102	Effect of Calcination Temperature on Structural, Photoluminescence, and Thermoluminescence Properties of Y <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> Nanophosphor. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 1915-1924	3.8	126
101	Characterization and microhardness of Co <sub>2</sub> W coatings electrodeposited at different pH using gluconate bath: A comparative study. <i>Surface and Interface Analysis</i> , <b>2013</b> , 45, 1026-1036	1.5	12
100	Electron paramagnetic resonance, magnetic and electrical properties of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 339, 40-45	2.8	38
99	Structural characterization, thermoluminescence and EPR studies of Nd <sub>2</sub> O <sub>3</sub> :Co <sup>2+</sup> nanophosphors. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 180-187	5.1	25
98	Structural, ionic and thermoluminescence properties of heavy ion (100 MeV Si <sup>7+</sup> ) bombarded Zn <sub>2</sub> SiO <sub>4</sub> :Sm <sup>3+</sup> nanophosphor. <i>Journal of Luminescence</i> , <b>2013</b> , 143, 409-417	3.8	21
97	Structural, EPR, photo and thermoluminescence properties of ZnO:Fe nanoparticles. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 133, 876-883	4.4	49
96	Structural and phase dependent thermo and photoluminescent properties of Dy(OH) <sub>3</sub> and Dy <sub>2</sub> O <sub>3</sub> nanorods. <i>Materials Research Bulletin</i> , <b>2012</b> , 47, 2085-2094	5.1	25

95	Enhanced photoluminescence of Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphors with alkali (M=Li <sup>+</sup> , Na <sup>+</sup> , K <sup>+</sup> ) metal ion co-doping. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 86, 8-14	4.4	75
94	Thermoluminescence and EPR studies of nanocrystalline Nd <sup>3+</sup> /Ni <sup>2+</sup> phosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 93, 228-34	4.4	24
93	Swift heavy ion induced structural, ionic and photoluminescence properties of [CaSiO <sub>4</sub> ] Dy <sup>3+</sup> nanophosphor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 93, 300-5	4.4	11
92	Structural, EPR, optical and Raman studies of Nd <sub>2</sub> O <sub>3</sub> :Cu <sup>2+</sup> nanophosphors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 94, 365-71	4.4	20
91	Effect of different fuels on structural, thermo and photoluminescent properties of Gd <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 96, 532-40	4.4	64
90	Thermoluminescence response in gamma and UV irradiated Dy <sub>2</sub> O <sub>3</sub> nanophosphor. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 1798-1806	3.8	39
89	Thermoluminescence, photoluminescence and EPR studies on Mn <sup>2+</sup> activated yttrium aluminate (YAlO <sub>3</sub> ) perovskite. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 2409-2415	3.8	18
88	Electrical Properties of Nano Zinc Ferrites Prepared by Solution Combustion and Hydrothermal Methods. <i>Materials Science Forum</i> , <b>2012</b> , 710, 721-726	0.4	1
87	CdSiO <sub>4</sub> /Pr <sup>3+</sup> nanophosphor: synthesis, characterization and thermoluminescence studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2012</b> , 99, 279-87	4.4	46
86	Spherical and rod-like Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphors structural and luminescent properties. <i>Bulletin of Materials Science</i> , <b>2012</b> , 35, 519-527	1.7	40
85	Characterisation of microstructure and evaluation of optical and EPR properties of superhydrophobic copper dodecanoate films. <i>Surface and Interface Analysis</i> , <b>2012</b> , 44, 412-417	1.5	10
84	Synthesis, characterization, thermo- and photoluminescence properties of Bi <sup>3+</sup> co-doped Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphors. <i>Applied Physics B: Lasers and Optics</i> , <b>2012</b> , 107, 503-511	1.9	14
83	On the magnetization reversal of the oxide-based exchange spring magnet. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 07A761	2.5	3
82	Synthesis and characterization of spherical and rod like nanocrystalline Nd <sub>2</sub> O <sub>3</sub> phosphors. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 1146-1151	5.7	53
81	Effect of Li <sup>+</sup> -ion on enhancement of photoluminescence in Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> nanophosphors prepared by combustion technique. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 2368-2374	5.7	121
80	Structural, optical and EPR studies on ZnO:Cu nanopowders prepared via low temperature solution combustion synthesis. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5349-5355	5.7	225
79	Combustion synthesis, characterization and Raman studies of ZnO nanopowders. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2011</b> , 81, 53-8	4.4	113
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