Rajaramakrishna R

List of Publications by Year in Descending Order

69 papers	1,042 citations	18 h-index	29 g-index
82 ext. papers	1,491 ext. citations	2.6 avg, IF	4.94 L-index

#	Paper	IF	Citations
69	X-ray radiation shielding of CeO2 doped borosilicate glasses and their luminescence characteristics. *Radiation Physics and Chemistry*, **2022**, 191, 109825	2.5	2
68	Dy3+-Doped Li2O: BaO: Gd2O3: SiO2 Glasses for Luminescence Applications. *Integrated Ferroelectrics*, **2022**, 224, 71-83	0.8	0
67	White Light Emission of Dy3+ Doped Oxy-Fluoride Phosphate Glass System for Active Laser Medium. *Integrated Ferroelectrics*, **2022**, 224, 1-12	0.8	2
66	Spectroscopic Characterization and CIE Coordinate of Pr3+ Ions Doped Pottasium Aluminum Gadolinium Phosphate Glasses. *Integrated Ferroelectrics*, **2022**, 224, 52-61	0.8	
65	Neodymium-Doped Multi-Component Borate/Phosphate Glasses for NIR Solid-State Material Applications. *Integrated Ferroelectrics*, **2022**, 224, 13-32	0.8	0
64	The Radioluminescence Investigation of Lead Sodium Borate Glass Doped with Eu3+. *Integrated Ferroelectrics*, **2022**, 224, 90-99	0.8	1
63	White Emission from Li2O-BaO-Bi2O3-P2O5 Glass Doped with Dy3+ for Optical Condensed Material Applications. *Integrated Ferroelectrics*, **2022**, 223, 18-28	0.8	0
62	Eu-Doped Gd2MoB2O9 Phosphors for Latent Fingerprints Detection. *Integrated Ferroelectrics*, **2022**, 225, 160-172	0.8	0
61	Optical properties of Sm3+ doped in CaO-Al2O3-Na2O-BaO-B2O3 glasses for under-sea optical device applications. *Optik*, **2022**, 262, 169366	2.5	1
60	Comparative Study on Au-Ag composition in Lithium Zinc Calcium Fluroborate Glasses: Nonlinear Optics Perspective. *Journal of Physics: Conference Series*, **2021**, 1819, 012022	0.3	0
59	Nonlinear optical, optical limiting and radiation shielding features of Eu3+ activated borate glasses. *Optik*, **2021**, 232, 166563	2.5	4
58	Enhanced non-linear optical properties of Eu3+ activated glasses by embedding silver nanoparticles. *Ceramics International*, **2021**, 47, 16801-16808	5.1	6
57	Precursor Based Tuning of the Nonlinear Optical Properties of Au-Ag Bimetallic Nanoparticles Doped in Oxy-fluoroborate Glasses. *Journal of Non-Crystalline Solids*, **2021**, 561, 120766	3.9	4
56	Influence of trivalent praseodymium ion on SiO2B2O3Al2O3BaOCaOSb2O3Na2OPr2O3 glasses for X-Rays shielding and luminescence materials. *Radiation Physics and Chemistry*, **2021**, 184, 109467	2.5	3
55	Dy3+ doped B2O3 Li2O CaO CaF2 glass for efficient white light emitting sources. *Journal of Non-Crystalline Solids*, **2021**, 554, 120604	3.9	8
54	Spectroscopy Characterization of MWCNT Doped B2O3-Gd2O3-ZnO-Er2O3 Glass for NIR Solid State Application. *Integrated Ferroelectrics*, **2021**, 214, 136-142	0.8	1
53	Effect of Gd2O3 on the radiation shielding, physical, optical and luminescence behaviors of Gd2O3La2O3ZnOB2O3Dy2O3 glasses. *Radiation Physics and Chemistry*, **2021**, 185, 109500	2.5	7

52	Novel plaster waste glass for solid state lighting applications. *Optical Materials*, **2020**, 109, 110180	3.3	1
51	Effect of SnO2/SeO2 on Au nano-particles doped silicate glasses: a structural study using XAS and EXAFS refinements. *Optical and Quantum Electronics*, **2020**, 52, 1	2.4	0
50	Role of 5 mol% Mg-Ni on the Structural and Magnetic Properties of Cobalt Chromates Crystallites Prepared by Solution Combustion Technique. *Journal of Superconductivity and Novel Magnetism*, **2020**, 33, 2861-2866	1.5	12
49	Investigations on nonlinear optical properties of gold nanoparticles doped fluoroborate glasses for optical limiting applications. *Journal of Non-Crystalline Solids*, **2020**, 538, 120010	3.9	18
48	Reddish-orange emission and Judd-Ofelt investigation of Sm3+ ions doped in zince-bismuth-phospho-tellurite glasses for solid lighting application. *Journal of Luminescence*, **2020**, 226, 117498	3.8	7
47	Comparative study of optical and luminescence properties of Sm3+-ions doped Li2O□d2O3PbO5iO2 and Li2O-GdF3-PbO5iO2 glasses for orange emission solid state device application. *Journal of Luminescence*, **2020**, 222, 117136	3.8	11
46	Structural analysis and luminescence studies of Ce3+: Dy3+ co-doped calcium zinc gadolinium borate glasses using EXAFS. *Radiation Physics and Chemistry*, **2020**, 171, 108695	2.5	15
45	Photoluminescence properties and energy transfer investigations of Gd3+ and Sm3+ co-doped ZnOBaO□eO2 glasses for solid state laser application. *Journal of Luminescence*, **2020**, 224, 117275	3.8	18
44	The Physical, Optical, Photo and Radioluminescence Studies of Dy3+ Doped Zinc Barium Gadolinium Phosphate Glasses. *Glass Physics and Chemistry*, **2020**, 46, 474-486	0.7	0
43	Molecular dynamics simulation and luminescence properties of Eu3+ doped molybdenum gadolinium borate glasses for red emission. *Journal of Alloys and Compounds*, **2020**, 813, 151914	5.7	42
42	Physical, optical properties and radiation shielding studies of xLa2O3-(100-x)B2O3 glass system. *Ceramics International*, **2020**, 46, 5380-5386	5.1	16
41	Effect of Sodium Oxide and Sodium Fluoride in Gadolinium Phosphate Glasses Doped with Eu2O3 Content. *Journal of Physics: Conference Series*, **2020**, 1428, 012029	0.3	
40	Effect of sodium oxide and sodium fluoride in gadolinium phosphate glasses doped with Eu2O3 content. *Journal of Luminescence*, **2020**, 219, 116950	3.8	15
39	Structural and luminescence study of Dy3+ doped phosphate glasses for solid state lighting applications. *Optical Materials*, **2020**, 109, 110322	3.3	4
38	Spectroscopic study of Nd3+ ion-doped Zn-Al-Ba borate glasses for NIR emitting device applications. *Optical Materials*, **2020**, 107, 110018	3.3	21
37	Eu3+ ions doped SrO-CaO-Li2O-B2O3glasses foroptical display material application. *Journal of Physics: Conference Series*, **2020**, 1485, 012053	0.3	3
36	Effect of BaO on lead free zinc barium tellurite glass for radiation shielding materials in nuclear application. *Journal of Non-Crystalline Solids*, **2020**, 550, 120386	3.9	17
35	X-ray induced luminescence, optical, compositional and structural investigations of natural and imitation rubies: Identification technique. *Radiation Physics and Chemistry*, **2020**, 177, 109089	2.5	2

34	Investigation of XANES study and energy transport phenomenon of Gd3+ to Ce3+ in CaO□SiO2□B2O3 glasses. *Optical Materials*, **2020**, 102, 109826	3.3	15
33	Structural, spectroscopic and optical gain of Nd3+ doped fluorophosphate glasses for solid state laser application. *Journal of Luminescence*, **2019**, 216, 116738	3.8	54
32	Luminescence characteristics of Sm-doped lithium barium gadolinium silicate glasses for Orange LEDs. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 214, 14-20	4.4	23
31	Spectral Analysis of Ho3+ Doped Barium Zinc Boro-Tellurite Glasses for Yellow-Green Luminescent Applications. *Glass Physics and Chemistry*, **2019**, 45, 29-35	0.7	2
30	High transparency La2O3-CaO-B2O3-SiO2 glass for diagnosis x-rays shielding material application. *Radiation Physics and Chemistry*, **2019**, 160, 41-47	2.5	104
29	Physical and luminescence properties of samarium doped oxide and oxyfluoride phosphate glasses. *Materials Chemistry and Physics*, **2019**, 229, 514-522	4.4	22
28	Photoluminescence Properties of Dy3+ Ion-Doped Li2O-PbO-Gd2O3-SiO2 Glasses for White Light Application. *Brazilian Journal of Physics*, **2019**, 49, 605-614	1.2	11
27	Dy3+ ions doped (Na2O/NaF)-Gd2O3□P2O5 glasses for solid state lighting material applications. *Solid State Sciences*, **2019**, 97, 105972	3.4	18
26	Impact of solvents on energy gap, photophysical, photometric properties for a new class of 4-HCM coumarin derivative: Nonlinear optical studies and optoelectronic applications. *Journal of Molecular Liquids*, **2019**, 292, 111383	6	5
25	1.5 □m luminescence enhancement of Er3+ by local field surface plasmon resonance of Ag nanoparticles in silicate glasses. *Journal of Non-Crystalline Solids*, **2019**, 521, 119522	3.9	14
24	Radiation shielding properties of BaO:WO3:Na2O:B2O3 glass system using WinXCom program in the range of 1 keV to 100 GeV: Theoretical calculation. *Journal of Physics: Conference Series*, **2019**, 1259, 012009	0.3	2
23	Energy Transfer and Spectroscopic Investigation of Dy2O3 Doped Li2O□BaO□GdF3□SiO2 for White Light LED. *Glass Physics and Chemistry*, **2019**, 45, 332-343	0.7	9
22	Development of ZnO□BaO□B2O3□TeO2 glass doped with Sm3+ for orange emitting material. *Solid State Sciences*, **2019**, 98, 106041	3.4	9
21	An extensive investigation of physical, optical and radiation shielding properties for borate glasses modified with gadolinium oxide. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	13
20	Spectroscopy Study of Sm3+ Doped Fluorosilicate Glasses for Orange Emission Solid-State Device Application. *Glass Physics and Chemistry*, **2019**, 45, 447-458	0.7	6
19	Sm3+ Doped Lithium Strontium Borate Glasses for Solid State Lighting Applications. *Glass Physics and Chemistry*, **2019**, 45, 472-484	0.7	2
18	Physical, structural, optical, and radiation shielding properties of B2O3□Gd2O3□Y2O3 glass system. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	13
17	Photoluminescence and white light generation of Dy2O3 doped Li2O-BaO-Gd2O3- SiO2 for white light LED. *Journal of Alloys and Compounds*, **2019**, 774, 244-254	5.7	46

16	Influence of alkaline earth oxides on Eu3+ doped lithium borate glasses for photonic, laser and radiation detection material applications. *Solid State Sciences*, **2019**, 89, 57-66	3.4	27
15	Intriguing energy transfer mechanism in oxide and oxy-fluoride phosphate glasses. *Optical Materials*, **2019**, 88, 429-444	3.3	33
14	Energy transfer phenomenon of Gd to excited ground state of Eu ions in LiO-BaO-GdO-SiO-EuO glasses. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2019**, 210, 21-29	4.4	24
13	Comparative study of Sm3+ ions doped phosphate based oxide and oxy-fluoride glasses for solid state lighting applications. *Journal of Rare Earths*, **2019**, 37, 374-382	3.7	26
12	Investigations of optical and luminescence features of Sm3+ doped Li2O-MO-B2O3 (M□=Mg/Ca/Sr/Ba) glasses mixed with different modifier oxides as an orange light emitting phosphor for WLEDs. *Journal of Alloys and Compounds*, **2018**, 749, 197-204	5.7	47
11	Development of Eu3+ doped Li2O-BaO-GdF3-SiO2 oxyfluoride glass for efficient energy transfer from Gd3+ to Eu3+ in red emission solid state device application. *Journal of Luminescence*, **2018**, 203, 515-524	3.8	32
10	Sm3+-Doped Molybdenum Gadolinium Borate Glasses for Orange Emission Laser Active Medium. *Ukrainian Journal of Physics*, **2018**, 63, 721	0.4	11
9	Structural studies of transition metal ions doped in biomass ash as silica source for glass production in Thailand. *Journal of Physics: Conference Series*, **2018**, 1120, 012104	0.3	4
8	Spectroscopic properties of Sm3+-doped lanthanum borogermanate glass. *Journal of Luminescence*, **2014**, 156, 192-198	3.8	52
7	Structure and nonlinear optical studies of Au nanoparticles embedded in lead lanthanum borate glass. *Journal of Non-Crystalline Solids*, **2014**, 406, 107-110	3.9	24
6	Optical and radiative properties of Nd3+-doped lead tellurite borate glasses. *Canadian Journal of Physics*, **2013**, 91, 322-327	1.1	7
5	Characterization and structural studies of lithium doped lead zinc phosphate glass system. *Materials Chemistry and Physics*, **2012**, 133, 249-252	4.4	15
4	Nonlinear optical studies of lead lanthanum borate glass doped with Au nanoparticles. *Journal of Non-Crystalline Solids*, **2012**, 358, 1667-1672	3.9	51
3	Characterization and structural studies of vanadium doped lithium□barium□phosphate glasses. *Canadian Journal of Physics*, **2012**, 90, 235-239	1.1	8
2	Deposition and characterization of TiAlSiN nanocomposite coatings prepared by reactive pulsed direct current unbalanced magnetron sputtering. *Applied Surface Science*, **2010**, 256, 6420-6426	6.7	68
1	Glass material and their advanced applications. *KnE Social Sciences*,	0.9	2