Gelija Devarajulu

List of Publications by Year
in descending order

21 papers	354 citations	759233 12 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	325 citing authors

#	Article	IF	Citations
1	Er3+-doped SiO2-based glasses â€" An exploration of structural, visible, chromatic, and NIR fluorescence characteristics. Materials Research Bulletin, 2022, 147, 111634.	5.2	14
2	Photoluminescence, nonlinear optical and gamma radiation shielding properties of high concentration of Eu2O3 doped heavy metal borate glasses. Optik, 2022, 251, 168433.	2.9	14
3	Improved photoluminescence and spectroscopic features of Sm3+â€’doped alkali borate glasses by embedding silver nanoparticles. Journal of Non-Crystalline Solids, 2022, 579, 121371.	3.1	10
4	Enhanced 1.53ÂÂµm emission of Er3+ in nano-Ag embedded sodium-boro-lanthanate glasses. Journal of Alloys and Compounds, 2021, 856, 158212.	5.5	18
5	Photoluminescence and nonlinear optical investigations on Eu2O3 doped sodium bismuth borate glasses for solid state lighting and near-infrared optical limiting applications. Infrared Physics and Technology, 2021, 116, 103784.	2.9	12
6	Influence of gold nanoparticles on the nonlinear optical and photoluminescence properties of Eu₂O₃ doped alkali borate glasses. Physical Chemistry Chemical Physics, 2020, 22, 2019-2032.	2.8	63
7	Phonon sideband analysis, structural and spectroscopic properties of Eu3+ ions embedded SiO2â€"B2O3â€" CaF2â€" NaFâ€" Na2O glasses. Optical Materials, 2020, 107, 110038.	3.6	23
8	Synthesis of Sr1-xBaxBi2B2O7 glass ceramics: A study for structure and characterization using experimental techniques and DFT method. Journal of Molecular Structure, 2020, 1220, 128660.	3.6	7
9	Physical, structural and photo luminescence properties of lead boro-tellurite glasses doped with Eu3+ ions. Vacuum, 2020, 177, 109426.	3.5	21
10	Spectroscopic and waveguide properties of Nd3+-doped oxyfluorosilicate glasses. Applied Physics B: Lasers and Optics, 2019, 125, 1.	2.2	4
11	Effect of Eu3+ ions on optical and fluorescence studies of Nd3+ ions doped zinc-lithium fluoroborate glasses. Journal of Luminescence, 2019, 207, 201-208.	3.1	4
12	Efficient 2.0â€‰Î¼m emission in Nd3+/Ho3+ co-doped SiO2-Al2O3-Na2CO3-SrF2-CaF2 glasses for mid-infrared laser applications. Materials Research Bulletin, 2018, 103, 268-278.	5.2	17
13	Energy transfer dynamics of Er3+/Nd3+ embedded SiO2-Al2O3-Na2CO3-SrF2-CaF2 glasses for optical communications. Optical Materials, 2018, 78, 172-180.	3.6	19
14	Effect of concentration variation on 2.0 Âµm emission of Ho3+-doped SiO2â€"Al2O3â€"Na2CO3â€"SrF2â€"CaF2 oxyfluorosilicate glasses. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	1
15	Spectroscopic properties and upconversion studies of Er3+-doped SiO2-Al2O3-Na2CO3-SrF2-CaF2 oxyfluoride glasses for optical amplifier applications. Journal of Luminescence, 2018, 194, 499-506.	3.1	37
16	Study of optical properties and up-conversion mechanism in Nd3+/Yb3+ ions co-doped SiO2-Al2O3-Na2CO3-SrF2-CaF2 glasses for green light emitting display device applications. Optik, 2018, 171, 918-924.	2.9	2
17	Efficient upconversion emission in Ho3+/Nd3+ co-doped oxyfluorosilicate glasses. AIP Conference Proceedings, 2018, , .	0.4	1
18	Spectroscopic Properties of Yb3+/Nd3+ Co-doped Ions in SiO2-Al2O3-Na2CO3-SrF2-CaF2 Oxyfluoride Glasses for Photonic Applications. Photonics Letters of Poland, 2018, 10, 29.	0.4	2

#	Article	IF	Citations
19	Effect of neodymium ions on upconversion fluorescence studies of oxyfluorosilicate glasses for optoelectronic devices. Ceramics International, 2017, 43, 16076-16083.	4.8	20
20	Determination of strain, site occupancy, photoluminescent, and thermoluminescent-trapping parameters of Sm 3+ -doped NaSrB 5 O 9 microstructures. Ceramics International, 2016, 42, 1234-1245.	4.8	29
21	NIR fluorescence spectroscopic investigations of Er3+-ions doped borate based tellurium calcium zinc niobium oxide glasses. Journal of Luminescence, 2015, 164, 154-159.	3.1	36