

# Gelija Devarajulu

## List of Publications by Year in descending order

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21  
papers

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citations

759233

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794594

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21  
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Influence of gold nanoparticles on the nonlinear optical and photoluminescence properties of $\text{Eu}^{2+}/\text{O}^{3-}$ doped alkali borate glasses. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2019-2032.	2.8	63
2	Spectroscopic properties and upconversion studies of $\text{Er}^{3+}$ -doped $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-Na}_2\text{CO}_3\text{-SrF}_2\text{-CaF}_2$ oxyfluoride glasses for optical amplifier applications. <i>Journal of Luminescence</i> , 2018, 194, 499-506.	3.1	37
3	NIR fluorescence spectroscopic investigations of $\text{Er}^{3+}$ -ions doped borate based tellurium calcium zinc niobium oxide glasses. <i>Journal of Luminescence</i> , 2015, 164, 154-159.	3.1	36
4	Determination of strain, site occupancy, photoluminescent, and thermoluminescent-trapping parameters of $\text{Sm}^{3+}$ -doped $\text{NaSrB}_5\text{O}_9$ microstructures. <i>Ceramics International</i> , 2016, 42, 1234-1245.	4.8	29
5	Phonon sideband analysis, structural and spectroscopic properties of $\text{Eu}^{3+}$ ions embedded $\text{SiO}_2\text{-B}_2\text{O}_3\text{-CaF}_2\text{-NaF}\text{-Na}_2\text{O}$ glasses. <i>Optical Materials</i> , 2020, 107, 110038.	3.6	23
6	Physical, structural and photo luminescence properties of lead boro-tellurite glasses doped with $\text{Eu}^{3+}$ ions. <i>Vacuum</i> , 2020, 177, 109426.	3.5	21
7	Effect of neodymium ions on upconversion fluorescence studies of oxyfluorosilicate glasses for optoelectronic devices. <i>Ceramics International</i> , 2017, 43, 16076-16083.	4.8	20
8	Energy transfer dynamics of $\text{Er}^{3+}/\text{Nd}^{3+}$ embedded $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-Na}_2\text{CO}_3\text{-SrF}_2\text{-CaF}_2$ glasses for optical communications. <i>Optical Materials</i> , 2018, 78, 172-180.	3.6	19
9	Enhanced $1.53\ \mu\text{m}$ emission of $\text{Er}^{3+}$ in nano-Ag embedded sodium-boro-lanthanate glasses. <i>Journal of Alloys and Compounds</i> , 2021, 856, 158212.	5.5	18
10	Efficient $2.0\ \mu\text{m}$ emission in $\text{Nd}^{3+}/\text{Ho}^{3+}$ co-doped $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-Na}_2\text{CO}_3\text{-SrF}_2\text{-CaF}_2$ glasses for mid-infrared laser applications. <i>Materials Research Bulletin</i> , 2018, 103, 268-278.	5.2	17
11	$\text{Er}^{3+}$ -doped $\text{SiO}_2$ -based glasses – An exploration of structural, visible, chromatic, and NIR fluorescence characteristics. <i>Materials Research Bulletin</i> , 2022, 147, 111634.	5.2	14
12	Photoluminescence, nonlinear optical and gamma radiation shielding properties of high concentration of $\text{Eu}_2\text{O}_3$ doped heavy metal borate glasses. <i>Optik</i> , 2022, 251, 168433.	2.9	14
13	Photoluminescence and nonlinear optical investigations on $\text{Eu}_2\text{O}_3$ doped sodium bismuth borate glasses for solid state lighting and near-infrared optical limiting applications. <i>Infrared Physics and Technology</i> , 2021, 116, 103784.	2.9	12
14	Improved photoluminescence and spectroscopic features of $\text{Sm}^{3+}$ -doped alkali borate glasses by embedding silver nanoparticles. <i>Journal of Non-Crystalline Solids</i> , 2022, 579, 121371.	3.1	10
15	Synthesis of $\text{Sr}_{1-x}\text{Ba}_x\text{Bi}_2\text{B}_2\text{O}_7$ glass ceramics: A study for structure and characterization using experimental techniques and DFT method. <i>Journal of Molecular Structure</i> , 2020, 1220, 128660.	3.6	7
16	Spectroscopic and waveguide properties of $\text{Nd}^{3+}$ -doped oxyfluorosilicate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	4
17	Effect of $\text{Eu}^{3+}$ ions on optical and fluorescence studies of $\text{Nd}^{3+}$ ions doped zinc-lithium fluoroborate glasses. <i>Journal of Luminescence</i> , 2019, 207, 201-208.	3.1	4
18	Study of optical properties and up-conversion mechanism in $\text{Nd}^{3+}/\text{Yb}^{3+}$ ions co-doped $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-Na}_2\text{CO}_3\text{-SrF}_2\text{-CaF}_2$ glasses for green light emitting display device applications. <i>Optik</i> , 2018, 171, 918-924.	2.9	2

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19	Spectroscopic Properties of Yb <sup>3+</sup> /Nd <sup>3+</sup> Co-doped Ions in SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> CO <sub>3</sub> -SrF <sub>2</sub> -CaF <sub>2</sub> Oxyfluoride Glasses for Photonic Applications. Photonics Letters of Poland, 2018, 10, 29.	0.4	2
20	Effect of concentration variation on 2.0 Åµm emission of Ho <sup>3+</sup> -doped SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> CO <sub>3</sub> -SrF <sub>2</sub> -CaF <sub>2</sub> oxyfluorosilicate glasses. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	1
21	Efficient upconversion emission in Ho <sup>3+</sup> /Nd <sup>3+</sup> co-doped oxyfluorosilicate glasses. AIP Conference Proceedings, 2018, , .	0.4	1