

# Samar Jana

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

235  
citations

933447

10  
h-index

996975

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intense orange emission in Pr <sup>3+</sup> doped lead phosphate glass. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 85, 245-253.	4.0	32
2	Spectroscopic investigation on Europium (Eu <sup>3+</sup> ) doped strontium zinc lead phosphate glasses with varied ZnO and PbO compositions. <i>Journal of Non-Crystalline Solids</i> , 2020, 550, 120322.	3.1	26
3	Enhancement of 5D <sub>0</sub> →7F <sub>2</sub> red emission of Eu <sup>3+</sup> incorporated in lead sodium phosphate glass matrix. <i>Physica B: Condensed Matter</i> , 2019, 556, 131-135.	2.7	24
4	Spectroscopic and structural properties of 1 mol% Tb <sup>3+</sup> doped 2B <sub>2</sub> O <sub>3</sub> + 5ZnO + 30PbO + 62P <sub>2</sub> O <sub>5</sub> glass for green laser application. <i>Ceramics International</i> , 2020, 46, 6787-6795.	4.8	16
5	Optical characterization of Eu <sup>3+</sup> doped titanium barium lead phosphate glass. <i>Optik</i> , 2020, 215, 164718.	2.9	16
6	Terbium doped sodium phosphate glass: A strong green emitting glass. <i>Optik</i> , 2018, 154, 576-580.	2.9	14
7	Absorption spectroscopy of R <sup>3+</sup> (R=Pr,Nd) ion pairs in CsCdCl <sub>3</sub> . <i>Physical Review B</i> , 1998, 57, 3356-3364.	3.2	13
8	Luminescence studies on varied concentration of Eu <sup>3+</sup> doped SrO-ZnO-PbO-P <sub>2</sub> O <sub>5</sub> glasses for photonic applications. <i>Materials Research Bulletin</i> , 2022, 146, 111595.	5.2	13
9	Generation and measurement of pulsed high magnetic field. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 214, 234-242.	2.3	12
10	Luminescence properties of Tb <sup>3+</sup> embedded zinc lead phosphate glasses. <i>Materials Chemistry and Physics</i> , 2020, 251, 122968.	4.0	12
11	Structural and spectroscopic characteristics of Eu <sup>3+</sup> embedded titanium lead phosphate glasses for red luminescence. <i>Solid State Sciences</i> , 2021, 114, 106560.	3.2	11
12	Compositional dependence of the luminescence properties of Nd <sup>3+</sup> ions in lead phosphate glasses: The efficient laser active materials. <i>Optics and Laser Technology</i> , 2021, 141, 107123.	4.6	10
13	Optical and luminescence properties of Sm <sub>2</sub> O <sub>3</sub> doped SrO-PbO-ZnO-P <sub>2</sub> O <sub>5</sub> -TeO <sub>2</sub> glasses for visible laser applications. <i>Solid State Sciences</i> , 2022, 129, 106910.	3.2	8
14	Structural, thermal and spectroscopic properties of samarium (Sm <sup>3+</sup> ) doped tungsten zinc tellurite glass for application in orange light emitting devices. <i>Physica B: Condensed Matter</i> , 2022, 644, 414205.	2.7	8
15	Excitation dependent tunable emission colour of Eu <sup>3+</sup> -Tb <sup>3+</sup> co-doped titanium zinc sodium phosphate glass. <i>Physica B: Condensed Matter</i> , 2021, 619, 413186.	2.7	7
16	Characteristics of the energy bands and the spectroscopic parameters of Pr <sup>3+</sup> ions in PrCl <sub>3</sub> mixed methanol, iso-propanol and butanol solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 83, 52-55.	3.9	4
17	Zeeman spectroscopy of Nd <sup>3+</sup> ions in CsCdCl <sub>3</sub> crystal. <i>Chemical Physics Letters</i> , 2000, 320, 289-294.	2.6	3
18	Absorption spectroscopy of Eu <sup>3+</sup> ions in CsCdCl <sub>3</sub> crystal: an evidence of nonequivalent sites. <i>Solid State Communications</i> , 2000, 116, 581-584.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Spectroscopic study of Pr <sup>3+</sup> ions in CdCl <sub>2</sub> solution. Journal of Alloys and Compounds, 2008, 457, 477-479.	5.5	2
20	Properties of the Energy Bands, Judd-Ofelt Parameters and the Fluorescence of Neodymium Chloride (NdCl <sub>3</sub> ) in Methanol, Iso-propanol and Butanol Solvents. Journal of Fluorescence, 2015, 25, 541-549.	2.5	1
21	Absorption and luminescence of PrCl <sub>3</sub> in methanol, iso-propanol and butanol solvents. Optik, 2015, 126, 4037-4041.	2.9	0