Samar Jana

List of Publications by Year
in descending order

21	235	933447 10	996975 15
papers	citations	h-index	g-index

21	21	21	162
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Luminescence studies on varied concentration of Eu3+ doped SrO-ZnO-PbO-P2O5 glasses for photonic applications. Materials Research Bulletin, 2022, 146, 111595.	5.2	13
2	Optical and luminescence properties of Sm2O3 doped SrOâ€“PbOâ€“ZnOâ€“P2O5â€“TeO2 glasses for visible laser applications. Solid State Sciences, 2022, 129, 106910.	3.2	8
3	Structural, thermal and spectroscopic properties of samarium (Sm3+) doped tungsten zinc tellurite glass for application in orange light emitting devices. Physica B: Condensed Matter, 2022, 644, 414205.	2.7	8
4	Structural and spectroscopic characteristics of Eu3+ embedded titanium lead phosphate glasses for red luminescence. Solid State Sciences, 2021, 114, 106560.	3.2	11
5	Compositional dependence of the luminescence properties of Nd3+ ions in lead phosphate glasses: The efficient laser active materials. Optics and Laser Technology, 2021, 141, 107123.	4.6	10
6	Excitation dependent tunable emission colour of Eu3+-Tb3+ co-doped titanium zinc sodium phosphate glass. Physica B: Condensed Matter, 2021, 619, 413186.	2.7	7
7	Spectroscopic and structural properties of 1Âmol% Tb3+ doped 2B2O3 + 5ZnO + 30PbO + 62P2O5 glass for green laser application. Ceramics International, 2020, 46, 6787-6795.	4.8	16
8	Spectroscopic investigation on Europium (Eu3+) doped strontium zinc lead phosphate glasses with varied ZnO and PbO compositions. Journal of Non-Crystalline Solids, 2020, 550, 120322.	3.1	26
9	Luminescence properties of Tb3+ embedded zinc lead phosphate glasses. Materials Chemistry and Physics, 2020, 251, 122968.	4.0	12
10	Optical characterization of Eu3+ doped titanium barium lead phosphate glass. Optik, 2020, 215, 164718.	2.9	16
11	Enhancement of 5D0â†'7F2 red emission of Eu3+ incorporated in lead sodium phosphate glass matrix. Physica B: Condensed Matter, 2019, 556, 131-135.	2.7	24
12	Terbium doped sodium phosphate glass: A strong green emitting glass. Optik, 2018, 154, 576-580.	2.9	14
13	Absorption and luminescence of PrCl3 in methanol, iso-propanol and butanol solvents. Optik, 2015, 126, 4037-4041.	2.9	0
14	Intense orange emission in Pr3+ doped lead phosphate glass. Journal of Physics and Chemistry of Solids, 2015, 85, 245-253.	4.0	32
15	Properties of the Energy Bands, Judd-Ofelt Parameters and the Fluorescence of Neodymium Chloride (NdCl3) in Methanol, Iso-propanol and Butanol Solvents. Journal of Fluorescence, 2015, 25, 541-549.	2.5	1
16	Characteristics of the energy bands and the spectroscopic parameters of Pr3+ ions in PrCl3 mixed methanol, iso-propanol and butanol solutions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 52-55.	3.9	4
17	Spectroscopic study of Pr3+ ions in CdCl2 solution. Journal of Alloys and Compounds, 2008, 457, 477-479.	5.5	2
18	Zeeman spectroscopy of Nd3+ ions in CsCdCl3 crystal. Chemical Physics Letters, 2000, 320, 289-294.	2.6	3

#	Article	IF	Citations
19	Absorption spectroscopy of Eu3+ ions in CsCdCl3 crystal: an evidence of nonequivalent sites. Solid State Communications, 2000, 116, 581-584.	1.9	3
20	Generation and measurement of pulsed high magnetic field. Journal of Magnetism and Magnetic Materials, 2000, 214, 234-242.	2.3	12
21	Absorption spectroscopy ofR3+(R=Pr,Nd)ion pairs inCsCdCl3. Physical Review B, 1998, 57, 3356-3364.	3.2	13