

Asanapuram Mohan Babu

List of Publications by Year in descending order

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34
papers

1,518
citations

331670

21
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414414

32
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34
all docs

34
docs citations

34
times ranked

968
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence characteristics of Dy ³⁺ ions in calcium fluoroborate glasses. Journal of Luminescence, 2010, 130, 1916-1923.	3.1	229
2	Spectroscopic and photoluminescence properties of Dy ³⁺ -doped lead tungsten tellurite glasses for laser materials. Journal of Alloys and Compounds, 2011, 509, 457-462.	5.5	143
3	Photoluminescence properties of Sm ³⁺ in LBTAf glasses. Journal of Luminescence, 2009, 129, 363-369.	3.1	135
4	Absorption and emission spectral studies of Sm ³⁺ -doped lead tungstate tellurite glasses. Journal of Alloys and Compounds, 2011, 509, 4743-4747.	5.5	80
5	Optical properties of Eu ³⁺ ions in lead tungstate tellurite glasses. Solid State Sciences, 2011, 13, 574-578.	3.2	80
6	Luminescence properties of Dy ³⁺ doped lithium zinc borosilicate glasses for photonic applications. Heliyon, 2018, 4, e00555.	3.2	60
7	Holmium doped Lead Tungsten Tellurite glasses for green luminescent applications. Journal of Luminescence, 2015, 163, 64-71.	3.1	57
8	Spectroscopic studies of Eu ³⁺ ions in LBTAf glasses. Journal of Alloys and Compounds, 2009, 478, 63-67.	5.5	56
9	Pr ³⁺ doped lead tungsten tellurite glasses for visible red lasers. Ceramics International, 2014, 40, 6261-6269.	4.8	56
10	Spectroscopic studies of Nd ³⁺ doped lead tungsten tellurite glasses for the NIR emission at 1062nm. Optical Materials, 2015, 39, 8-15.	3.6	53
11	Optical absorption, fluorescence and decay properties of Pr ³⁺ -doped PbO–H ₃ BO ₃ –TiO ₂ –AlF ₃ glasses. Journal of Luminescence, 2009, 129, 1023-1028.	3.1	52
12	Optical spectroscopy, 1.06 μm emission properties of Nd ³⁺ -doped phosphate based glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 180, 193-197.	3.9	50
13	A study on fluorescence properties of Eu ³⁺ ions in alkali lead tellurofluoroborate glasses. Journal of Rare Earths, 2010, 28, 189-193.	4.8	49
14	Optical and luminescent properties of Sm ³⁺ doped tellurite glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 445-450.	3.9	48
15	Study on spectroscopic and fluorescence properties of Tb ³⁺ -doped LBTAf glasses. Physica B: Condensed Matter, 2009, 404, 2020-2024.	2.7	47
16	The luminescence properties of Dy ³⁺ -doped alkaline earth titanium phosphate glasses. Optical Materials, 2010, 32, 1112-1116.	3.6	39
17	Investigation on luminescence properties of Nd ³⁺ ions in alkaline-earth titanium phosphate glasses. Optics Communications, 2011, 284, 603-607.	2.1	37
18	NIR fluorescence and visible upconversion studies of Nd ³⁺ ions in calcium fluoroborate glasses. Chemical Physics Letters, 2010, 484, 207-213.	2.6	35

#	ARTICLE	IF	CITATIONS
19	Effect of co-doping Tm ³⁺ ions on the emission properties of Dy ³⁺ ions in tellurite glasses. Journal of Solid State Chemistry, 2013, 203, 55-59.	2.9	30
20	Effect of Dy ³⁺ ions concentration on optical properties of lead borosilicate glasses for white light emission. Optik, 2016, 127, 3121-3126.	2.9	29
21	Photoluminescence properties of Er ³⁺ -doped alkaline earth titanium phosphate glasses. Journal of Alloys and Compounds, 2010, 491, 349-353.	5.5	24
22	Erbium-Doped Fluoroborate Glasses for Near Infrared Broadband Amplifiers. International Journal of Applied Glass Science, 2011, 2, 215-221.	2.0	19
23	Luminescence spectral studies of Tm ³⁺ ions doped Lead Tungsten Tellurite glasses for visible Red and NIR applications. Journal of Luminescence, 2016, 175, 225-231.	3.1	19
24	Optical absorption and near infrared emission properties of Nd ³⁺ ions in alkali lead tellurofluoroborate glasses. Solid State Sciences, 2009, 11, 2093-2098.	3.2	18
25	Energy transfer and luminescence properties of Tm ³⁺ ions in calcium fluoroborate glasses for fiber amplifiers. Journal of Luminescence, 2013, 136, 383-388.	3.1	17
26	Upconversion luminescence in Tm ³⁺ /Yb ³⁺ -co-doped lead tungstate tellurite glasses. Physica B: Condensed Matter, 2011, 406, 3074-3078.	2.7	13
27	Effect of erbium ion concentration on structural and luminescence properties of lead borosilicate glasses for fiber amplifiers. Luminescence, 2018, 33, 71-78.	2.9	11
28	Eu ³⁺ and Dy ³⁺ co-doped Na ₃ Gd(PO ₄) ₄ phosphors for white light luminescence. Materials Express, 2014, 4, 153-158.	0.5	8
29	Erbium(III) ion-doped borate-based glasses for 1.53-µm broad band applications. Luminescence, 2022, 37, 784-790.	2.9	8
30	Optical absorption and fluorescence properties of Dy ³⁺ : SFB glasses. IOP Conference Series: Materials Science and Engineering, 2009, 2, 012019.	0.6	7
31	Efficient crowd counting model using feature pyramid network and ResNeXt. Soft Computing, 2021, 25, 10497-10507.	3.6	5
32	Sm ³⁺ -luminescence in alkali lead tellurofluoroborate glasses. IOP Conference Series: Materials Science and Engineering, 2009, 2, 012049.	0.6	3
33	Role of Yb ³⁺ ions in the IR to visible upconversion of Er ³⁺ ions in LTT glasses. , 2011, , .		1
34	Structural and luminescent investigation of Eu ³⁺ doped lead borosilicate glasses. AIP Conference Proceedings, 2016, , .	0.4	0