

Bungala Chinna Jamalayah

List of Publications by Year in descending order

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74
papers

2,353
citations

159585

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214800

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docs citations

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times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic and photoluminescence properties of Dy ³⁺ -doped lead tungsten tellurite glasses for laser materials. <i>Journal of Alloys and Compounds</i> , 2011, 509, 457-462.	5.5	143
2	Photoluminescence properties of Sm ³⁺ in LBTAf glasses. <i>Journal of Luminescence</i> , 2009, 129, 363-369.	3.1	135
3	Luminescent studies of Dy ³⁺ ion in alkali lead tellurofluoroborate glasses. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 78-84.	2.3	119
4	Optical absorption and fluorescence studies of Dy ³⁺ -doped lead telluroborate glasses. <i>Journal of Luminescence</i> , 2012, 132, 86-90.	3.1	90
5	Absorption and emission spectral studies of Sm ³⁺ -doped lead tungstate tellurite glasses. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4743-4747.	5.5	80
6	Optical properties of Eu ³⁺ ions in lead tungstate tellurite glasses. <i>Solid State Sciences</i> , 2011, 13, 574-578.	3.2	80
7	Photoluminescence and decay behavior of Tb ³⁺ ions in sodium fluoro-borate glasses for display devices. <i>Journal of Luminescence</i> , 2012, 132, 1166-1170.	3.1	70
8	Fluorescence properties and energy transfer mechanism of Sm ³⁺ ion in lead telluroborate glasses. <i>Optical Materials</i> , 2011, 33, 1643-1647.	3.6	69
9	Luminescent characteristics of Dy ³⁺ doped strontium magnesium aluminate phosphor for white LEDs. <i>Materials Chemistry and Physics</i> , 2011, 129, 292-295.	4.0	69
10	Multi-color emission tunability and energy transfer studies of YAl ₃ (BO ₃) ₄ :Eu ³⁺ /Tb ³⁺ phosphors. <i>Ceramics International</i> , 2014, 40, 3399-3410.	4.8	68
11	Novel Eu ³⁺ -doped lead telluroborate glasses for red laser source applications. <i>Journal of Solid State Chemistry</i> , 2011, 184, 2145-2149.	2.9	67
12	Visible and near infrared luminescence properties of Er ³⁺ -doped LBTAf glasses for optical amplifiers. <i>Optical Materials</i> , 2012, 34, 861-867.	3.6	66
13	Application of modified Judd-Ofelt theory and the evaluation of radiative properties of Pr ³⁺ -doped lead telluroborate glasses for laser applications. <i>Journal of Non-Crystalline Solids</i> , 2013, 364, 20-27.	3.1	64
14	Near UV excited SrAl ₂ O ₄ :Dy ³⁺ phosphors for white LED applications. <i>Materials Chemistry and Physics</i> , 2018, 211, 181-191.	4.0	62
15	Spectroscopic studies of Eu ³⁺ ions in LBTAf glasses. <i>Journal of Alloys and Compounds</i> , 2009, 478, 63-67.	5.5	56
16	Optical absorption, fluorescence and decay properties of Pr ³⁺ -doped PbO-H ₃ BO ₃ -TiO ₂ -AlF ₃ glasses. <i>Journal of Luminescence</i> , 2009, 129, 1023-1028.	3.1	52
17	Optical characterization of YAl ₃ (BO ₃) ₄ :Dy ³⁺ /Tm ³⁺ phosphors under near UV excitation. <i>Optical Materials</i> , 2013, 35, 2138-2145.	3.6	51
18	A study on fluorescence properties of Eu ³⁺ ions in alkali lead tellurofluoroborate glasses. <i>Journal of Rare Earths</i> , 2010, 28, 189-193.	4.8	49

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19	Photoluminescence properties of Sm ³⁺ -doped SFB glasses for efficient visible lasers. Journal of Non-Crystalline Solids, 2012, 358, 782-787.	3.1	49
20	Luminescence and gain characteristics of 1.53 μ m broadband of Er ³⁺ in lead telluroborate glasses. Journal of Luminescence, 2013, 142, 128-134.	3.1	48
21	Study on spectroscopic and fluorescence properties of Tb ³⁺ -doped LBTAf glasses. Physica B: Condensed Matter, 2009, 404, 2020-2024.	2.7	47
22	Effect of lead oxide on optical properties of Dy ³⁺ ions in PbO-B ₂ O ₃ -TiO ₂ -AlF ₃ glasses. Journal of Non-Crystalline Solids, 2012, 358, 204-209.	3.1	47
23	Preparation, structural and luminescent properties of YAl ₃ (BO ₃) ₄ :Dy ³⁺ phosphor for white light-emission under UV excitation. Ceramics International, 2013, 39, 2675-2682.	4.8	44
24	The luminescence properties of Dy ³⁺ -doped alkaline earth titanium phosphate glasses. Optical Materials, 2010, 32, 1112-1116.	3.6	39
25	Spectroscopic properties of Er ³⁺ -doped phosphate based glasses for broadband 1.54 μ m emission. Journal of Molecular Structure, 2017, 1130, 837-843.	3.6	38
26	Investigation on luminescence properties of Nd ³⁺ ions in alkaline-earth titanium phosphate glasses. Optics Communications, 2011, 284, 603-607.	2.1	37
27	Structural and luminescence properties of Nd ³⁺ -doped PbO-B ₂ O ₃ -TiO ₂ -AlF ₃ glass for 1.07 μ m laser applications. Journal of Luminescence, 2012, 132, 1144-1149.	3.1	35
28	Optical absorption and emission characteristics of Pr ³⁺ -doped RTP glasses. Physica B: Condensed Matter, 2010, 405, 1095-1100.	2.7	33
29	An investigation on visible luminescence of Ho ³⁺ activated LBTAf glasses. Physica B: Condensed Matter, 2012, 407, 523-527.	2.7	33
30	Visible luminescence characteristics of Dy ³⁺ -doped LBTAf glasses. Journal of Alloys and Compounds, 2009, 474, 382-387.	5.5	32
31	Investigation on luminescence and energy transfer in Tb ³⁺ -doped lead telluroborate glasses. Physica B: Condensed Matter, 2011, 406, 2871-2875.	2.7	31
32	GeO ₂ activated tellurite tungstate glass: A new candidate for solid state lasers and fiber devices. Journal of Non-Crystalline Solids, 2018, 502, 54-61.	3.1	28
33	Photoluminescence properties of Er ³⁺ -doped alkaline earth titanium phosphate glasses. Journal of Alloys and Compounds, 2010, 491, 349-353.	5.5	24
34	Tunable luminescence properties of SrAl ₂ O ₄ : Eu ³⁺ phosphors for LED applications. Journal of Molecular Structure, 2019, 1178, 394-400.	3.6	24
35	Optical absorption and EPR spectral studies on vanadyl doped zinc phosphate glass. Journal of Alloys and Compounds, 1999, 287, 84-86.	5.5	21
36	Optical properties of Sm ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses for solid state lasers. Physica B: Condensed Matter, 2018, 533, 76-82.	2.7	21

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37	Luminescent properties of Tb ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses for green laser applications. <i>Optical Materials</i> , 2018, 80, 154-159.	3.6	21
38	Erbium-Doped Fluoroborate Glasses for Near Infrared Broadband Amplifiers. <i>International Journal of Applied Glass Science</i> , 2011, 2, 215-221.	2.0	19
39	Investigation on 1.07 μ m laser emission in Nd ³⁺ -doped sodium fluoroborate glasses. <i>Journal of Rare Earths</i> , 2012, 30, 413-417.	4.8	19
40	Optical absorption and near infrared emission properties of Nd ³⁺ ions in alkali lead tellurofluoroborate glasses. <i>Solid State Sciences</i> , 2009, 11, 2093-2098.	3.2	18
41	Luminescence properties of Eu ³⁺ -doped Na ₃ Gd(PO ₄) ₂ red-emitting nanophosphors for LEDs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 133, 495-500.	3.9	18
42	Fluorescence properties of Sm ³⁺ ions in yttrium aluminum borate phosphors for optical applications. <i>Journal of Molecular Structure</i> , 2015, 1097, 161-165.	3.6	18
43	Optical properties of Yb ³⁺ -doped NBSAZB glasses for IR lasers. <i>Journal of Luminescence</i> , 2017, 187, 378-382.	3.1	18
44	Luminescence, energy transfer and color perception studies of Na ₃ Gd(PO ₄) ₂ :Dy ³⁺ :Tm ³⁺ phosphors. <i>Optical Materials</i> , 2014, 36, 1688-1693.	3.6	16
45	UV excited SrAl ₂ O ₄ :Tb ³⁺ nanophosphors for photonic applications. <i>Materials Science in Semiconductor Processing</i> , 2020, 105, 104722.	4.0	16
46	Erbium doped Bi ₂ O ₃ -B ₂ O ₃ glass-ceramics containing Bi ₃ B ₅ O ₁₂ and CaF ₂ nanocrystallites for 1.53 μ m fiber lasers. <i>Journal of the European Ceramic Society</i> , 2020, 40, 4578-4588.	5.7	14
47	Upconversion luminescence in Tm ³⁺ /Yb ³⁺ -co-doped lead tungstate tellurite glasses. <i>Physica B: Condensed Matter</i> , 2011, 406, 3074-3078.	2.7	13
48	White light generation in Dy ₂ O ₃ -doped NBSAZB glasses. <i>Optical Materials</i> , 2017, 73, 545-549.	3.6	13
49	Structure, morphology and optical analysis of Dy ³⁺ -doped Li ₆ AlGd(BO ₃) ₄ phosphors for lighting applications. <i>Journal of Molecular Structure</i> , 2022, 1268, 133695.	3.6	10
50	Optimization of photoluminescence of GdAl ₃ (BO ₃) ₄ :Sm ³⁺ phosphors for solid state lighting devices. <i>Journal of Molecular Structure</i> , 2017, 1146, 546-553.	3.6	9
51	Deep reddish-orange emitting Sr ₃ Gd(PO ₄) ₃ :Sm ³⁺ phosphors via modified citrate-gel combustion method. <i>Journal of Molecular Structure</i> , 2022, 1255, 132428.	3.6	9
52	Intense yellow luminescence from Dy ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses: structural and optical characterization. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 335701.	1.8	8
53	TeO ₂ -WO ₃ -GeO ₂ -NdF ₃ glasses for 1.06 μ m fiber lasers: An optical analysis. <i>Optical Materials</i> , 2019, 90, 99-107.	3.6	8
54	Luminescence properties of SrAl ₂ O ₄ : Tb ³⁺ / Bi ³⁺ nanophosphors for photonic applications. <i>Journal of Molecular Structure</i> , 2020, 1205, 127599.	3.6	8

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55	Enhanced White Light Emission And Energy Transfer Studies Of Dy ³⁺ /Ce ³⁺ Co-doped YAl ₃ (BO ₃) ₄ Phosphors For White Light Emitting Diodes. <i>Advanced Materials Letters</i> , 2013, 4, 841-848.	0.6	8
56	Li ₆ AlGd(BO ₃) ₄ : Sm ³⁺ phosphors for orange-red light sources. <i>Optical Materials</i> , 2022, 131, 112702.	3.6	8
57	Enhanced red luminescent PBTNAEu glasses for solid state lasers. <i>Journal of Luminescence</i> , 2020, 223, 117200.	3.1	7
58	Study on visible luminescence of the Tm ³⁺ : 1D ₂ → ³ F ₄ emission state in lead borate titanate aluminumfluoride glasses. <i>Optics Communications</i> , 2012, 285, 1229-1232.	2.1	6
59	Luminescence properties of GdAl ₃ (BO ₃) ₄ : Dy ³⁺ phosphors for white-LEDs. <i>Materials Today: Proceedings</i> , 2016, 3, 4019-4022.	1.8	6
60	Greenish-yellow emitting CdS: Sm ³⁺ nanoparticles: Structural and optical analysis. <i>Ceramics International</i> , 2021, 47, 10950-10957.	4.8	6
61	A Convenient Noninjection One-pot Synthesis Of CdS Nanoparticles And Their Studies. <i>Advanced Materials Letters</i> , 2013, 4, 621-625.	0.6	6
62	Rich reddish-orange emitting PBTNAPr glasses for laser applications. <i>Optical Materials</i> , 2019, 96, 109340.	3.6	5
63	Optical analysis of Pr ³⁺ -doped Li ₆ AlGd(BO ₃) ₄ phosphors for white LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	2.2	4
64	Sm ³⁺ -luminescence in alkali lead tellurofluoroborate glasses. <i>IOP Conference Series: Materials Science and Engineering</i> , 2009, 2, 012049.	0.6	3
65	Fluorescence Properties of Pr ³⁺ Doped Calcium Fluoroborate Glasses. <i>Advanced Materials Research</i> , 2010, 123-125, 1235-1238.	0.3	3
66	Orange-red fluorescence features of SrAl ₂ O ₄ : Sm ³⁺ phosphors. <i>Functional Materials Letters</i> , 2021, 14, 2151007.	1.2	3
67	Enhanced 1.53 μm luminescence in Er ³⁺ -doped sodium boro silicate glasses by Yb ³⁺ co-doping. <i>Applied Science Letters</i> , 2015, 1, 82-85.	0.3	3
68	Green luminescent Sr ₃ Gd(PO ₄) ₃ : Tb ³⁺ phosphors for lighting applications. <i>Ceramics International</i> , 2022, 48, 28927-28934.	4.8	3
69	Optical properties of Sr ₃ Gd(PO ₄) ₃ : Eu ³⁺ phosphors for white LED sources. <i>Optik</i> , 2022, 260, 169141.	2.9	2
70	Photoluminescence Properties of SrAl ₂ O ₄ : Pr ³⁺ Phosphors for Red Light Sources. <i>Journal of Electronic Materials</i> , 2022, 51, 5282-5300.	2.2	2
71	Role of Yb ³⁺ ions in the IR to visible upconversion of Er ³⁺ ions in LTT glasses. , 2011, , .		1
72	Red luminescence from Eu ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses for solid state lasers. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1

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73	Intense green emission from Tb ³⁺ -doped TeO ₂ -WO ₃ -GeO ₂ glasses. AIP Conference Proceedings, 2018, , .	0.4	0
74	Optical analysis of Sr ₃ Gd(PO ₄) ₃ : Pr ³⁺ phosphors for lighting applications. Luminescence, 0, , .	2.9	0