Bungala Chinna Jamalaiah

List of Publications by Year
in descending order

74 papers	2,353 citations	159358 30 h-index	214527 47 g-index
74 all docs	74 docs citations	74 times ranked	1412 citing authors

#	Article	IF	Citations
1	Deep reddish-orange emitting Sr3Gd(PO4)3: Sm3+ phosphors via modified citrate-gel combustion method. Journal of Molecular Structure, 2022, 1255, 132428.	1.8	9
2	Green luminescent Sr3Gd(PO4)3: Tb3+ phosphors for lighting applications. Ceramics International, 2022, 48, 28927-28934.	2.3	3
3	Optical properties of Sr3Gd(PO4)3: Eu3+ phosphors for white LED sources. Optik, 2022, 260, 169141.	1.4	2
4	Photoluminescence Properties of SrAl2O4: Pr3+ Phosphors for Red Light Sources. Journal of Electronic Materials, 2022, 51, 5282-5300.	1.0	2
5	Structure, morphology and optical analysis of Dy3+ -doped Li6AlGd(BO3)4 phosphors for lighting applications. Journal of Molecular Structure, 2022, 1268, 133695.	1.8	10
6	Li6AlGd(BO3)4: Sm3+ phosphors for orange-red light sources. Optical Materials, 2022, 131, 112702.	1.7	8
7	Greenish-yellow emitting CdS: Sm3+ nanoparticles: Structural and optical analysis. Ceramics International, 2021, 47, 10950-10957.	2.3	6
8	Orangeâ€“red fluorescence features of SrAl2O4: Sm3+ phosphors. Functional Materials Letters, 2021, 14, 2151007.	0.7	3
9	UV excited SrAl2O4:Tb3+ nanophosphors for photonic applications. Materials Science in Semiconductor Processing, 2020, 105, 104722.	1.9	16
10	Luminescence properties of SrAl2O4: Tb3+/ Bi3+ nanophosphors for photonic applications. Journal of Molecular Structure, 2020, 1205, 127599.	1.8	8
11	Erbium doped Bi2O3-B2O3 glass-ceramics containing Bi3B5O12 and CaF2 nanocrystallites for 1.53â€‰Î¼m fiber lasers. Journal of the European Ceramic Society, 2020, 40, 4578-4588.	2.8	14
12	Enhanced red luminescent PBTNAEu glasses for solid state lasers. Journal of Luminescence, 2020, 223, 117200.	1.5	7
13	Rich reddish-orange emitting PBTNAPr glasses for laser applications. Optical Materials, 2019, 96, 109340.	1.7	5
14	TeO2-WO3-GeO2-NdF3 glasses for 1.06â€Î¼m fiber lasers: An optical analysis. Optical Materials, 2019, 90, 99-107.	1.7	8
15	Tunable luminescence properties of SrAl2O4: Eu3+ phosphors for LED applications. Journal of Molecular Structure, 2019, 1178, 394-400.	1.8	24
16	Near UV excited SrAl 2 O 4 :Dy 3+ phosphors for white LED applications. Materials Chemistry and Physics, 2018, 211, 181-191.	2.0	62
17	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.	1.3	21
18	Luminescent properties of Tb3+- doped TeO2-WO3-GeO2 glasses for green laser applications. Optical Materials, 2018, 80, 154-159.	1.7	21

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19	GeO2 activated tellurite tungstate glass: A new candidate for solid state lasers and fiber devices. Journal of Non-Crystalline Solids, 2018, 502, 54-61.	1.5	28
20	Red luminescence from Eu3+-doped TeO2-WO3-GeO2 glasses for solid state lasers. AIP Conference Proceedings, 2018, , .	0.3	1
21	Intense green emission from Tb3+- doped Teo2-Wo3-Geo2 glasses. AIP Conference Proceedings, 2018, , .	0.3	0
22	Intense yellow luminescence from Dy3+-doped TeO2â€“WO3â€“GeO2 glasses: structural and optical characterization. Journal of Physics Condensed Matter, 2018, 30, 335701.	0.7	8
23	Optimization of photoluminescence of GdAl3(BO3)4:Sm3+ phosphors for solid state lighting devices. Journal of Molecular Structure, 2017, 1146, 546-553.	1.8	9
24	Optical properties of Yb 3+ -doped NBSAZB glasses for IR lasers. Journal of Luminescence, 2017, 187, 378-382.	1.5	18
25	White light generation in Dy2O3 -doped NBSAZB glasses. Optical Materials, 2017, 73, 545-549.	1.7	13
26	Spectroscopic properties of Er3+-doped phosphate based glasses for broadband 1.54ÂÎ¼m emission. Journal of Molecular Structure, 2017, 1130, 837-843.	1.8	38
27	Luminescence properties of GdAl3(BO3)4: Dy3+ phosphors for white-LEDs. Materials Today: Proceedings, 2016, 3, 4019-4022.	0.9	6
28	Fluorescence properties of Sm3+ ions in yttrium aluminum borate phosphors for optical applications. Journal of Molecular Structure, 2015, 1097, 161-165.	1.8	18
29	Enhanced 1.53 Î¼m luminescence in Er3+ -doped sodium boro silicate glasses by Yb3+ co-doping. Applied Science Letters, 2015, 1, 82-85.	0.3	3
30	Multi-color emission tunability and energy transfer studies of YAl3(BO3)4:Eu3+/Tb3+ phosphors. Ceramics International, 2014, 40, 3399-3410.	2.3	68
31	Luminescence properties of Eu3+-doped Na3Gd(PO4)2 red-emitting nanophosphors for LEDs. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 495-500.	2.0	18
32	Luminescence, energy transfer and color perception studies of Na3Gd(PO4)2:Dy3+:Tm3+ phosphors. Optical Materials, 2014, 36, 1688-1693.	1.7	16
33	Application of modified Juddâ€“Ofelt theory and the evaluation of radiative properties of Pr3+-doped lead telluroborate glasses for laser applications. Journal of Non-Crystalline Solids, 2013, 364, 20-27.	1.5	64
34	Optical characterization of YAl3(BO3)4:Dy3+â€“Tm3+ phosphors under near UV excitation. Optical Materials, 2013, 35, 2138-2145.	1.7	51
35	Luminescence and gain characteristics of 1.53 Âµm broadband of Er3+ in lead telluroborate glasses. Journal of Luminescence, 2013, 142, 128-134.	1.5	48
36	Preparation, structural and luminescent properties of YAl3(BO3)4:Dy3+ phosphor for white light-emission under UV excitation. Ceramics International, 2013, 39, 2675-2682.	2.3	44

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37	A Convenient Noninjection One-pot Synthesis Of CdS Nanoparticles And Their Studies. Advanced Materials Letters, 2013, 4, 621-625.	0.3	6
38	Enhanced White Light Emission And Energy Transfer Studies Of Dy3+/Ce3+ Co-doped YAl3(BO3)4 Phosphors For White Light Emitting Diodes. Advanced Materials Letters, 2013, 4, 841-848.	0.3	8
39	Investigation on 1.07 Î¼m laser emission in Nd3+-doped sodium fluoroborate glasses. Journal of Rare Earths, 2012, 30, 413-417.	2.5	19
40	Effect of lead oxide on optical properties of Dy3+ ions in PbOâ€“H3BO3â€“TiO2â€“AlF3 glasses. Journal of Non-Crystalline Solids, 2012, 358, 204-209.	1.5	47
41	Photoluminescence properties of Sm3+-doped SFB glasses for efficient visible lasers. Journal of Non-Crystalline Solids, 2012, 358, 782-787.	1.5	49
42	Study on visible luminescence of the Tm3+: 1D2â†'3F4 emission state in lead borate titanate aluminumfluoride glasses. Optics Communications, 2012, 285, 1229-1232.	1.0	6
43	Visible and near infrared luminescence properties of Er3+-doped LBTAF glasses for optical amplifiers. Optical Materials, 2012, 34, 861-867.	1.7	66
44	An investigation on visible luminescence of Ho3+ activated LBTAF glasses. Physica B: Condensed Matter, 2012, 407, 523-527.	1.3	33
45	Optical absorption and fluorescence studies of Dy3+-doped lead telluroborate glasses. Journal of Luminescence, 2012, 132, 86-90.	1.5	90
46	Structural and luminescence properties of Nd3+-doped PbOâ€“B2O3â€“TiO2â€“AlF3 glass for 1.07Î¼m laser applications. Journal of Luminescence, 2012, 132, 1144-1149.	1.5	35
47	Photoluminescence and decay behavior of Tb3+ ions in sodium fluoro-borate glasses for display devices. Journal of Luminescence, 2012, 132, 1166-1170.	1.5	70
48	Spectroscopic and photoluminescence properties of Dy3+-doped lead tungsten tellurite glasses for laser materials. Journal of Alloys and Compounds, 2011, 509, 457-462.	2.8	143
49	Absorption and emission spectral studies of Sm3+-doped lead tungstate tellurite glasses. Journal of Alloys and Compounds, 2011, 509, 4743-4747.	2.8	80
50	ErbiumâEDoped Fluoroborate Glasses for Near Infrared Broadband Amplifiers. International Journal of Applied Glass Science, 2011, 2, 215-221.	1.0	19
51	Role of Yb3+ions in the IR to visible upconversion of Er3+ions in LTT glasses. , 2011, , .		1
52	Optical properties of Eu3+ions in lead tungstate tellurite glasses. Solid State Sciences, 2011, 13, 574-578.	1.5	80
53	Fluorescence properties and energy transfer mechanism of Sm3+ ion in lead telluroborate glasses. Optical Materials, 2011, 33, 1643-1647.	1.7	69
54	Luminescent characteristics of Dy3+ doped strontium magnesium aluminate phosphor for white LEDs. Materials Chemistry and Physics, 2011, 129, 292-295.	2.0	69

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55	Investigation on luminescence and energy transfer in Tb3+-doped lead telluroborate glasses. Physica B: Condensed Matter, 2011, 406, 2871-2875.	1.3	31
56	Upconversion luminescence in Tm3+/Yb3+co-doped lead tungstate tellurite glasses. Physica B: Condensed Matter, 2011, 406, 3074-3078.	1.3	13
57	Investigation on luminescence properties of Nd3+ ions in alkaline-earth titanium phosphate glasses. Optics Communications, 2011, 284, 603-607.	1.0	37
58	Luminescent studies of Dy3+ ion in alkali lead tellurofluoroborate glasses. Journal of Quantitative Spectroscopy and Radiative Transfer, 2011, 112, 78-84.	1.1	119
59	Novel Eu3+-doped lead telluroborate glasses for red laser source applications. Journal of Solid State Chemistry, 2011, 184, 2145-2149.	1.4	67
60	Optical absorption and emission characteristics of Pr3+-doped RTP glasses. Physica B: Condensed Matter, 2010, 405, 1095-1100.	1.3	33
61	The luminescence properties of Dy3+-doped alkaline earth titanium phosphate glasses. Optical Materials, 2010, 32, 1112-1116.	1.7	39
62	A study on fluorescence properties of Eu3+ ions in alkali lead tellurofluoroborate glasses. Journal of Rare Earths, 2010, 28, 189-193.	2.5	49
63	Fluorescence Properties of Pr³⁺ Doped Calcium Fluoroborate Glasses. Advanced Materials Research, 2010, 123-125, 1235-1238.	0.3	3
64	Photoluminescence properties of Er3+-doped alkaline earth titanium phosphate glasses. Journal of Alloys and Compounds, 2010, 491, 349-353.	2.8	24
65	Sm3+luminescence in alkali lead tellurofluoroborate glasses. IOP Conference Series: Materials Science and Engineering, 2009, 2, 012049.	0.3	3
66	Optical absorption and near infrared emission properties of Nd3+ ions in alkali lead tellurofluoroborate glasses. Solid State Sciences, 2009, 11, 2093-2098.	1.5	18
67	Study on spectroscopic and fluorescence properties of Tb3+-doped LBTAF glasses. Physica B: Condensed Matter, 2009, 404, 2020-2024.	1.3	47
68	Photoluminescence properties of Sm3+ in LBTAF glasses. Journal of Luminescence, 2009, 129, 363-369.	1.5	135
69	Optical absorption, fluorescence and decay properties of Pr3+-doped PbOâ€“H3BO3â€“TiO2â€“AlF3 glasses. Journal of Luminescence, 2009, 129, 1023-1028.	1.5	52
70	Visible luminescence characteristics of Dy3+-doped LBTAF glasses. Journal of Alloys and Compounds, 2009, 474, 382-387.	2.8	32
71	Spectroscopic studies of Eu3+ ions in LBTAF glasses. Journal of Alloys and Compounds, 2009, 478, 63-67.	2.8	56
72	Optical absorption and EPR spectral studies on vanadyl doped zinc phosphate glass. Journal of Alloys and Compounds, 1999, 287, 84-86.	2.8	21

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73	Optical analysis of Pr3+-doped Li6AlGd(BO3)4 phosphors for white LEDs. Journal of Materials Science: Materials in Electronics, 0, , .	1.1	4
74	Optical analysis of Sr ₃ Gd(PO ₄) ₃ : Pr ³⁺ phosphors for lighting applications. Luminescence, 0, , .	1.5	0