Dr Koneru Swapna

List of Publications by Year
in descending order

55 papers	2,123 citations	201385 27 h-index	233125 45 g-index
55 all docs	55 docs citations	55 times ranked	855 citing authors

#	Article	IF	Citations
1	Influence of Sm3+ ion concentration on the photoluminescence behavior of antimony lead oxy fluoro borate glasses. Materials Research Bulletin, 2022, 146, 111597.	2.7	8
2	Physical and spectroscopic studies of Sm3+ ions doped Alumino Tungsten Borate glasses for photonic applications. Radiation Physics and Chemistry, 2022, 190, 109806.	1.4	12
3	Dysprosium concentration-dependent fluorescent properties of antimony lead Oxyfluoroborate glasses. Chemical Physics Letters, 2022, 787, 139210.	1.2	5
4	Enhanced red emission in Eu3+ ions doped ZnO-Al2O3-BaF2-CaF2-B2O3 glasses for visible laser applications. Journal of Non-Crystalline Solids, 2022, 577, 121306.	1.5	4
5	Spectroscopic Studies of Eu3+ Ion-Doped Antimony-Lead-Oxyfluoroborate Glasses for Visible Red Photonic Device Applications. Journal of Electronic Materials, 2022, 51, 3980-3991.	1.0	2
6	Near-IR luminescence in Nd3+ ions doped Na2O-BaF2-CaF2-B2O3-TeO2 glasses for 1064Ânm laser and fiber amplifier applications. Journal of Non-Crystalline Solids, 2022, 590, 121671.	1.5	3
7	Synthesis and characterization of B2O3â€“Bi2O3â€“SrOâ€“Al2O3â€“PbOâ€“Dy2O3 glass system: The role of Bi2O3/ Dy2O3 on the optical, structural, and radiation absorption parameters. Materials Research Bulletin, 2022, 155, 111952.	2.7	18
8	Enhanced visible green and 1.5ÂÎ¼m radiative emission of Er3+ ions in Li2O-PbO-Al2O3-B2O3 glasses for photonic applications. Journal of Rare Earths, 2021, 39, 520-525.	2.5	10
9	NIR photoluminescence studies of Nd3+doped B2O3â€“BaF2â€“PbF2â€“Al2O3 glasses for 1.063ÂÎ¼m laser applications. Journal of Luminescence, 2021, 229, 117701.	1.5	12
10	Structural, optical and photoluminescence properties of alkaline-earth boro tellurite glasses doped with trivalent Neodymium for 1.06ÂÎ¼m optoelectronic devices. Optical Materials, 2021, 111, 110615.	1.7	8
11	Spectral characterization of Dy3+ ions doped phosphate glasses for yellow laser applications. Journal of Non-Crystalline Solids, 2021, 555, 120538.	1.5	16
12	Concentration dependent neodymium doped oxy fluoroborate glasses for 1.08ÂÎ¼m laser applications. Solid State Sciences, 2021, 113, 106543.	1.5	6
13	Crystal growth, spectroscopic and antimicrobial investigations on glycine-doped ZnSO4â€“(NH4)2SO4 single crystal. Journal of Materials Science: Materials in Electronics, 2021, 32, 13917-13925.	1.1	3
14	Sensitization of Er3+ NIR emission using Yb3+ ions in alkaline-earth chloro borate glasses for fiber laser and optical fiber amplifier applications. Materials Research Bulletin, 2021, 136, 111144.	2.7	21
15	Photoluminescence properties of Sm3+ ions doped Bismuth Boro tellurite glasses. Solid State Sciences, 2021, 116, 106609.	1.5	13
16	Optical properties of Sm3+ions doped 10SrO-(10â^'x)Al2O3-10BaCl2-60B2O3-10TeO2 glasses for reddish orange laser applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 270, 115198.	1.7	8
17	Broadband NIR emission at 1.53 Î¼m in trivalent erbium ions doped SrO-Al2O3-B2O3-BaCl2-10TeO2 glasses for optical fiber and NIR laser applications. Journal of Non-Crystalline Solids, 2021, 567, 120937.	1.5	19
18	Effective sensitization of Yb3+ ions on Yb3+/Nd3+ co-doped fluoroborate glasses for NIR luminescence applications. Optical Materials, 2021, 121, 111592.	1.7	2

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19	Comparative Analysis of Effect of Wind Loads with Variation in Altitude and Angle of Inclination of Wind Direction on Solar Panels. Ecological Engineering and Environmental Technology, 2021, 22, 61-68.	0.3	0
20	Concentration dependent photoluminescence studies of Dy3+ doped Bismuth Boro-Tellurite glasses for lasers and wLEDs. Optical Materials, 2020, 109, 110328.	1.7	21
21	Effect of samarium ions concentration on physical, optical and photoluminescence properties of Oxy-Fluoro Boro Tellurite glasses. Optical Materials, 2020, 109, 110368.	1.7	12
22	White light emission from Dy3+-doped ZnOÂ+ÂBi2O3Â+ÂBaF2Â+ÂB2O3Â+ÂTeO2 glasses: Structural and spectroscopic properties. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 240, 118568.	2.0	42
23	Narrow-Band UVB-Emitting Gd-Doped SrY2O4 Phosphors. Journal of Electronic Materials, 2020, 49, 3025-3030.	1.0	8
24	Spectroscopic and luminescence properties of Ho3+ ions doped Barium Lead Alumino Fluoro Borate glasses for green laser applications. Solid State Sciences, 2020, 102, 106175.	1.5	24
25	Thermal, Up-Conversion and Near-Infrared Luminescence studies of Erbium ions doped Alkaline-Earth Boro Tellurite glasses. Solid State Sciences, 2019, 97, 106016.	1.5	21
26	Near UV based Dy3+ ions doped alkaline-earth chloro borate glasses for white LEDâ€™s and visible lasers. Optics and Laser Technology, 2019, 119, 105646.	2.2	29
27	Structural, optical and NIR studies of Er3+ ions doped bismuth boro tellurite glasses for luminescence materials applications. Journal of Luminescence, 2019, 211, 39-47.	1.5	40
28	Spectroscopic investigations of dysprosium ions doped oxy chloro boro tellurite glasses for visible photonic device applications. Journal of Alloys and Compounds, 2019, 789, 744-754.	2.8	34
29	Spectroscopic studies of Dy3+ ions doped barium lead alumino fluoro borate glasses. Journal of Alloys and Compounds, 2019, 787, 503-518.	2.8	84
30	Sensitization of Yb3+ by Nd3+ emission in alkaline-earth chloro borate glasses for laser and fiber amplifier applications. Journal of Alloys and Compounds, 2019, 771, 980-986.	2.8	19
31	Structural, absorption and photoluminescence studies of Sm3+ ions doped barium lead alumino fluoro borate glasses for optoelectronic device applications. Materials Research Bulletin, 2019, 110, 159-168.	2.7	76
32	Spectroscopic studies and lasing potentialities of Sm3+ ions doped single alkali and mixed alkali fluoro tungstentellurite glasses. Optics and Laser Technology, 2019, 111, 176-183.	2.2	41
33	Spectroscopic studies of Sm 3+ ions doped alkaline-earth chloro borate glasses for visible photonic applications. Materials Research Bulletin, 2018, 105, 45-54.	2.7	44
34	Structural, optical absorption and photoluminescence spectral studies of Sm3+ ions in Alkaline-Earth Boro Tellurite glasses. Optical Materials, 2018, 79, 21-32.	1.7	27
35	Pr3+ ions doped single alkali and mixed alkali fluoro tungsten tellurite glasses for visible red luminescent devices. Journal of Non-Crystalline Solids, 2018, 498, 345-351.	1.5	18
36	Investigation on structural and luminescence features of Dy3+ ions doped alkaline-earth boro tellurite glasses for optoelectronic devices. Optical Materials, 2018, 85, 200-210.	1.7	48

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37	Dy3+ ions doped oxy-fluoro boro tellurite glasses for the prospective optoelectronic device applications. Journal of Alloys and Compounds, 2018, 762, 814-826.	2.8	52
38	Compositional dependence of red luminescence from Eu3+ ions doped single and mixed alkali fluoro tungsten tellurite glasses. Optical Materials, 2017, 73, 260-267.	1.7	27
39	Dy3+ ions doped single and mixed alkali fluoro tungsten tellurite glasses for LASER and white LED applications. Optical Materials, 2016, 62, 569-577.	1.7	65
40	Luminescence spectral studies of Tm3+ ions doped Lead Tungsten Tellurite glasses for visible Red and NIR applications. Journal of Luminescence, 2016, 175, 225-231.	1.5	19
41	Visible, Up-conversion and NIR (~1.5Î¼m) luminescence studies of Er3+ doped Zinc Alumino Bismuth Borate glasses. Journal of Luminescence, 2015, 163, 55-63.	1.5	55
42	Holmium doped Lead Tungsten Tellurite glasses for green luminescent applications. Journal of Luminescence, 2015, 163, 64-71.	1.5	57
43	Spectroscopic studies of Nd3+ doped lead tungsten tellurite glasses for the NIR emission at 1062nm. Optical Materials, 2015, 39, 8-15.	1.7	53
44	Optical studies of Sm3+ ions doped Zinc Alumino Bismuth Borate glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 53-60.	2.0	122
45	Visible luminescence characteristics of Sm3+ doped Zinc Alumino Bismuth Borate glasses. Journal of Luminescence, 2014, 146, 288-294.	1.5	75
46	Lasing potentialities and white light generation capabilities of Dy3+ doped oxy-fluoroborate glasses. Journal of Luminescence, 2014, 153, 382-392.	1.5	99
47	Pr3+ doped lead tungsten tellurite glasses for visible red lasers. Ceramics International, 2014, 40, 6261-6269.	2.3	56
48	Tb 3+ doped Zinc Alumino Bismuth Borate glasses for green emitting luminescent devices. Journal of Luminescence, 2014, 156, 180-187.	1.5	50
49	Luminescence characterization of Eu 3+ doped Zinc Alumino Bismuth Borate glasses for visible red emission applications. Journal of Luminescence, 2014, 156, 80-86.	1.5	124
50	Spectral characterisation of Sm3+ ions doped Oxy-fluoroborate glasses for visible orange luminescent applications. Journal of Luminescence, 2014, 154, 410-424.	1.5	121
51	Visible fluorescence characteristics of Dy3+ doped zinc alumino bismuth borate glasses for optoelectronic devices. Ceramics International, 2013, 39, 8459-8465.	2.3	71
52	Visible red, NIR and Mid-IR emission studies of Ho3+ doped Zinc Alumino Bismuth Borate glasses. Optical Materials, 2013, 36, 362-371.	1.7	71
53	Reddish-orange emission from Pr3+ doped zinc alumino bismuth borate glasses. Physica B: Condensed Matter, 2013, 428, 36-42.	1.3	54
54	Spectroscopic properties and luminescence behavior of Nd3+ doped zinc alumino bismuth borate glasses. Journal of Physics and Chemistry of Solids, 2013, 74, 1308-1315.	1.9	87

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55	Optical absorption and luminescence characteristics of Dy3+ doped Zinc Alumino Bismuth Borate glasses for lasing materials and white LEDs. Journal of Luminescence, 2013, 139, 119-124.	1.5	107