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	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
2	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
3	Spectral characterisation of Sm3+ ions doped Oxy-fluoroborate glasses for visible orange luminescent applications. Journal of Luminescence, 2014, 154, 410-424.	1.5	121
4	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
5	Lasing potentialities and white light generation capabilities of Dy3+ doped oxy-fluoroborate glasses. Journal of Luminescence, 2014, 153, 382-392.	1.5	99
6	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
7	Spectroscopic studies of Dy3+ ions doped barium lead alumino fluoro borate glasses. Journal of Alloys and Compounds, 2019, 787, 503-518.	2.8	84
8	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
9	Visible luminescence characteristics of Sm3+ doped Zinc Alumino Bismuth Borate glasses. Journal of Luminescence, 2014, 146, 288-294.	1.5	75
10	Visible fluorescence characteristics of Dy3+ doped zinc alumino bismuth borate glasses for optoelectronic devices. Ceramics International, 2013, 39, 8459-8465.	2.3	71
11	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
12	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
13	Holmium doped Lead Tungsten Tellurite glasses for green luminescent applications. Journal of Luminescence, 2015, 163, 64-71.	1.5	57
14	Pr3+ doped lead tungsten tellurite glasses for visible red lasers. Ceramics International, 2014, 40, 6261-6269.	2.3	56
15	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
16	Reddish-orange emission from Pr3+ doped zinc alumino bismuth borate glasses. Physica B: Condensed Matter, 2013, 428, 36-42.	1.3	54
17	Spectroscopic studies of Nd3+ doped lead tungsten tellurite glasses for the NIR emission at 1062nm. Optical Materials, 2015, 39, 8-15.	1.7	53
18	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

#	Article	IF	Citations
19	Tb 3+ doped Zinc Alumino Bismuth Borate glasses for green emitting luminescent devices. Journal of Luminescence, 2014, 156, 180-187.	1.5	50
20	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
21	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
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	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
24	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
25	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
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	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
28	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
29	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
30	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
31	Concentration dependent photoluminescence studies of Dy3+ doped Bismuth Boro-Tellurite glasses for lasers and wLEDs. Optical Materials, 2020, 109, 110328.	1.7	21
32	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
33	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
34	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
35	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
36	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

#	Article	IF	Citations
37	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
38	Spectral characterization of Dy3+ ions doped phosphate glasses for yellow laser applications. Journal of Non-Crystalline Solids, 2021, 555, 120538.	1.5	16
39	Photoluminescence properties of Sm3+ ions doped Bismuth Boro tellurite glasses. Solid State Sciences, 2021, 116, 106609.	1.5	13
40	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
41	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
42	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
43	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
44	Narrow-Band UVB-Emitting Gd-Doped SrY2O4 Phosphors. Journal of Electronic Materials, 2020, 49, 3025-3030.	1.0	8
45	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
46	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
47	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
48	Concentration dependent neodymium doped oxy fluoroborate glasses for 1.08ÂÎ¼m laser applications. Solid State Sciences, 2021, 113, 106543.	1.5	6
49	Dysprosium concentration-dependent fluorescent properties of antimony lead Oxyfluoroborate glasses. Chemical Physics Letters, 2022, 787, 139210.	1.2	5
50	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
51	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
52	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
53	Effective sensitization of Yb3+ ions on Yb3+/Nd3+ co-doped fluoroborate glasses for NIR luminescence applications. Optical Materials, 2021, 121, 111592.	1.7	2
54	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

#	Article	IF	Citations
55	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