Ankush K Bedyal

List of Publications by Year
in descending order

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40	893	394421	477307
papers	citations	19 h-index	29 g-index

40	40	40	645
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural and spectral investigation of a near-UV-converted LiSrP3O9:Dy3+ phosphor for white light-emitting diodes. Journal of Materials Science: Materials in Electronics, 2022, 33, 6031-6042.	2.2	4
2	Charge compensated CaSr2(PO4)2:Sm3+, Li+/Na+/K+ phosphor: Luminescence and thermometric studies. Journal of Alloys and Compounds, 2022, 901, 163793.	5.5	22
3	Investigation of thermoluminescence response and trapping parameters of gamma-ray irradiated Zn3(VO4)2 phosphors. AIP Conference Proceedings, 2022, , .	0.4	0
4	Sr4Al14O25: Eu2+, Dy3+@ZnO nanocomposites as highly efficient visible light photocatalysts for the degradation of aqueous methyl orange. Journal of Alloys and Compounds, 2021, 860, 158370.	5.5	16
5	Investigation of thermoluminescence response and kinetic parameters of CaMgB2O5: Tb3+ phosphor against UV-C radiation for dosimetric application. Journal of Materials Science: Materials in Electronics, 2021, 32, 17418-17426.	2.2	4
6	Structural and spectral studies of highly pure red-emitting Ca3B2O6:Eu3+ phosphors for white light emitting diodes. Journal of Alloys and Compounds, 2021, 869, 159363.	5.5	39
7	Spectral, surface and thermometric investigations of upconverting Er3+/Yb3+ co-doped Na3Y(PO4)2 phosphor. Journal of Alloys and Compounds, 2021, 877, 160327.	5.5	16
8	Red emitting non-rare earth doped LiMgBO3 phosphor for light emitting diodes. Journal of Alloys and Compounds, 2020, 830, 154622.	5.5	12
9	Influence of an adjoining cation on the luminescence performance of the Dy3+ doped A3Gd(PO4)2; (A=) Tj ETQq1 1 0.784314 rgBT /Ov	5.5	24
10	Effects of cationic substitution on the luminescence behavior of Dy3+ doped orthophosphate phosphor. Journal of Alloys and Compounds, 2019, 806, 1127-1137.	5.5	40
11	Excitation wavelength and Eu3+/Tb3+ content ratio dependent tunable photoluminescence from NaSrBO3:Eu3+/Tb3+ phosphor. Journal of Materials Science: Materials in Electronics, 2019, 30, 11714-11726.	2.2	14
12	Blue photons excited highly chromatic red light emitting K3La(PO4)2:Pr3+ phosphors for white light emitting diodes. Materials Research Bulletin, 2018, 103, 173-180.	5.2	35
13	Potential of Sm 3+ doped LiSrVO 4 nanophosphor to fill amber gap in LEDs. Physica B: Condensed Matter, 2018, 535, 221-226.	2.7	57
14	A potential green emitting citrate gel synthesized NaSrBO 3 :Tb 3+ phosphor for display application. Physica B: Condensed Matter, 2018, 535, 189-193.	2.7	9
15	Surface and spectral studies of Sm3+ doped Li4Ca(BO3)2 phosphors for white light emitting diodes. Journal of Alloys and Compounds, 2018, 738, 97-104.	5.5	21
16	Synthesis and thermoluminescence studies of UV-C exposed Li4Ca(BO3)2: Dy3+ phosphors. Vacuum, 2018, 156, 370-374.	3.5	9
17	Thermoluminescence response and kinetic parameters of UV irradiated K3La(PO4)2:Pr3+ phosphor. AIP Conference Proceedings, 2018, , .	0.4	0
18	Investigation of thermoluminescence characteristics of NaSrBO 3 :Sm 3+ phosphor against 120 MeV Ag 9+ ion and Î³-ray irradiation prepared by different methods. Journal of Luminescence, 2017, 187, 499-506.	3.1	12

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19	Charge compensated derived enhanced red emission from Sr 3 (VO 4) 2 :Eu 3+ nanophosphors for white light emitting diodes and flat panel displays. Journal of Alloys and Compounds, 2017, 709, 362-372.	5.5	41
20	Synthesis, spectral and surface investigation of novel CaMgB 2 O 5 :Dy 3+ nanophosphor for UV based white LEDs. Materials Research Bulletin, 2017, 91, 140-147.	5.2	27
21	Structural evolution induced by substitution of designated molybdate sites (MoO4â^'2) with different anionic groups (BO3â^'3, PO4â^'3 and SO4â^'2) in CaMoO4:Sm3+ phosphors-A study on color tunable luminescent properties. Journal of Alloys and Compounds, 2017, 727, 224-237.	5.5	21
22	A novel orange-red emitting Ba 2 Ca(BO 3) 2 :Sm 3+ phosphor to fill the amber gap in LEDs: Synthesis, structural and luminescence characterizations. Current Applied Physics, 2017, 17, 1369-1375.	2.4	32
23	Investigation of thermoluminescence response and trapping parameters of 120ÂMeV Ag9+ and Î³-ray exposed NaSrBO3:Dy3+ phosphor for dosimetry. Journal of Alloys and Compounds, 2017, 691, 919-928.	5.5	20
24	Thermoluminescence response of 120 MeV Ag9+ and Î³-ray exposed LiMgBO3:Dy3+ nanophosphors for dosimetry. Ceramics International, 2016, 42, 18529-18535.	4.8	11
25	Effect of swift heavy ion irradiation on structural, optical and luminescence properties of SrAl2O4:Eu2+, Dy3+ nanophosphor. Radiation Physics and Chemistry, 2016, 122, 48-54.	2.8	10
26	Thermoluminescence and glow curves analysis of Î³-exposed Eu 3+ doped K 3 Y(PO 4) 2 nanophosphors. Materials Research Bulletin, 2016, 73, 111-118.	5.2	11
27	A near-UV-converted LiMgBO3:Dy3+ nanophosphor: Surface and spectral investigations. Applied Surface Science, 2015, 329, 40-46.	6.1	53
28	Energy transfer mechanism from Gd³⁺ to Sm³⁺ in K₃Gd(PO₄)₂:Sm³⁺ phosphor. Materials Research Express, 2015, 2, 076202.	1.6	38
29	The influence of Ag9+ ion irradiation on the structural, optical and luminescence properties of Sm3+ doped NaSrBO3: Stability of color emission. Nuclear Instruments & Methods in Physics Research B, 2015, 351, 27-34.	1.4	9
30	Orange-Red Emitting Pr3+ Doped NaSrBO3 Nanophosphors: Luminescence and Optical Studies. Materials Focus, 2015, 4, 362-365.	0.4	2
31	A Promising Orange-Red Nanocrystalline Potassium Lanthanum Orthophosphate for White Light-Emitting Diodes. Indian Journal of Materials Science, 2014, 2014, 1-4.	0.6	1
32	Spectral and surface investigations on Eu3+ doped K3Y(PO4)2 nanophosphor: A promising orangeâ€“red phosphor for white light-emitting diodes. Optical Materials, 2014, 36, 996-1001.	3.6	25
33	Photoluminescence and thermoluminescence properties of Tb 3+ doped K 3 Gd(PO 4) 2 nanophosphor. Materials Research Bulletin, 2014, 60, 401-411.	5.2	29
34	Spectral and surface investigations of Ca2V2O7:Eu3+ nanophosphors prepared by citrate-gel combustion method: a potential red-emitting phosphor for near-UV light-emitting diodes. Applied Physics A: Materials Science and Processing, 2014, 116, 1785-1792.	2.3	28
35	Swift heavy ion induced structural, optical and luminescence modification in NaSrBO3:Dy3+ phosphor. Journal of Materials Science, 2014, 49, 6404-6412.	3.7	22
36	A promising orange-red emitting nanocrystalline NaCaBO₃:Sm³⁺ phosphor for solid state lightning. Materials Research Express, 2014, 1, 015006.	1.6	60

#	Article	IF	Citations
37	Synthesis, spectral and surface investigation of NaSrBO3: Sm3+ phosphor for full color down conversion in LEDs. Journal of Alloys and Compounds, 2013, 554, 214-220.	5.5	84
38	Spectral and surface investigations of Mn2+ doped SrZnO2 nanocrystalline phosphors. Journal of Materials Science, 2013, 48, 3327-3333.	3.7	23
39	Thermo-luminescence kinetic parameters of Î³-irradiated Sr₄Al₁₄O₂₅:Eu²⁺, Dy³⁺phosphors. Radiation Effects and Defects in Solids, 2013, 168, 1022-1029.	1.2	4
40	THERMOLUMINESCENCE RESPONSE OF GAMMA IRRADIATED SrAl₂O₄:Eu²⁺/Dy³⁺ NANOPHOSPHOR. International Journal of Modern Physics Conference Series, 2013, 22, 365-373.	0.7	8