Mandeep Dalal

List of Publications by Year in descending order

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32 papers	849 citations	393982 19 h-index	500791 28 g-index
32 all docs	32 docs citations	32 times ranked	301 citing authors

#	Article	IF	Citations
1	Crystal structure and Judd-Ofelt properties of a novel color tunable blue-white-red Ba 5 Zn 4 Y 8 O 21 :Eu 3+ nanophosphor for near-ultraviolet based WLEDs. Journal of Alloys and Compounds, 2017, 698, 662-672.	2.8	69
2	Judd-Ofelt and structural analysis of colour tunable BaY 2 ZnO 5 :Eu 3+ nanocrystals for single-phased white LEDs. Journal of Alloys and Compounds, 2016, 686, 366-374.	2.8	54
3	Near-ultraviolet excited down-conversion Sm3+-doped Ba5Zn4Gd8O21 reddish-orange emitting nano-diametric rods for white LEDs. Ceramics International, 2019, 45, 7397-7406.	2.3	51
4	Optical properties of trivalent samarium-doped Ba5Zn4Y8O21 nanodiametric rods excitable by NUV light. Journal of Alloys and Compounds, 2018, 767, 409-418.	2.8	50
5	Color tunable nanocrystalline SrGd2Al2O7:Tb3+ phosphor for solid state lighting. Ceramics International, 2019, 45, 606-613.	2.3	49
6	Crystal chemistry and optical analysis of a novel perovskite type SrLa2Al2O7:Sm3+ nanophosphor for white LEDs. Ceramics International, 2019, 45, 15571-15579.	2.3	39
7	Structural analysis and Judd-Ofelt parameterization of Ca9Gd(PO4)7:Eu3+ nanophosphor for solid-state illumination. Journal of Luminescence, 2019, 210, 293-302.	1.5	39
8	Structural and photoluminescence investigations of Sm3+ doped BaY2ZnO5 nanophosphors. Materials Research Bulletin, 2016, 77, 91-100.	2.7	34
9	Structural and photoluminescent analysis in Judd-Ofelt framework of color tunable SrGd2(1-)Eu2Al2O7 nanophosphor for white light emitting materials. Journal of Luminescence, 2018, 194, 271-278.	1.5	33
10	Synthesis and luminescent properties of Tb3+ doped BaLa2ZnO5 nanoparticles. Materials Research Bulletin, 2018, 99, 86-92.	2.7	32
11	A promising novel orangeâ€“red emitting SrZnV 2 O 7 :Sm 3+ nanophosphor for phosphor-converted white LEDs with near-ultraviolet excitation. Journal of Physics and Chemistry of Solids, 2016, 89, 45-52.	1.9	30
12	A hybrid treatment of Ba2LaV3O11:Eu3+ nanophosphor system: First-principal and experimental investigations into electronic, crystal and the optical structure. Journal of Alloys and Compounds, 2019, 805, 84-96.	2.8	29
13	Optical analysis of a novel color tunable Ba2Y(1-)Eu AlO5 nanophosphor in Judd-Ofelt framework for solid state lighting. Journal of Luminescence, 2018, 199, 442-449.	1.5	28
14	Structural and Judd-Ofelt intensity parameters of a down-converting Ba2GdV3O11:Eu3+ nanophosphors. Materials Chemistry and Physics, 2020, 243, 122631.	2.0	28
15	Energy transfer and photoluminescent analysis of a novel color-tunable Ba 2 Y 1-x V 3 O 11 : x Sm 3+ nanophosphor for single-phased phosphor-converted white LEDs. Ceramics International, 2018, 44, 10531-10538.	2.3	26
16	Photoluminescence and structural properties of Eu3+ doped SrZnV2O7 nanocrystals. Journal of Luminescence, 2015, 161, 63-70.	1.5	25
17	Radiative and non-radiative characteristics of Ca9Bi(PO4)7:Eu3+ nano-phosphor for solid state lighting devices. Journal of Luminescence, 2019, 216, 116697.	1.5	24
18	Photoluminescent and structural properties of color tunable trivalent europium doped SrGdAlO4 nanophosphors. Journal of Materials Science: Materials in Electronics, 2019, 30, 1297-1309.	1.1	22

#	Article	IF	Citations
19	Crystal structure and photoluminescent properties of BaZn1â^'Eu V2O7 nanoparticles. Materials Chemistry and Physics, 2015, 149-150, 713-720.	2.0	20
20	Synthesis, photoluminescence features with intramolecular energy transfer and Juddâ€“Ofelt analysis of highly efficient europium(III) complexes. Journal of Materials Science: Materials in Electronics, 2016, 27, 12506-12516.	1.1	18
21	Structural and photoluminescent elucidation of the efficient green emitting erbium doped BaY2ZnO5 nanophosphor for light emitting materials. Journal of Materials Science: Materials in Electronics, 2018, 29, 2175-2183.	1.1	18
22	Magnetic- and electric-dipole radiative rates in multifunctional Ba5Zn4Y8O21:Tb3+ nanorods. Journal of Materials Science: Materials in Electronics, 2019, 30, 17547-17558.	1.1	18
23	Ba5Zn4Gd8O21:Tb3+â€"structural characterization and the Judd-Ofelt parameterization from emission spectra. Methods and Applications in Fluorescence, 2020, 8, 035002.	1.1	16
24	Ba2YV3O11:Eu3+â^'Density functional and experimental analysis of crystal, electronic and optical properties. Journal of Alloys and Compounds, 2020, 821, 153471.	2.8	15
25	Synthesis and photoluminescent performance of novel europium (III) carboxylates with heterocyclic ancillary ligands. Rare Metals, 2022, 41, 1342-1352.	3.6	13
26	Cool white light emitting Ba5Zn4Y8O21:Dy3+ nanophosphors for single-phased WLEDs. Journal of Materials Science: Materials in Electronics, 2018, 29, 20750-20758.	1.1	12
27	Spectroscopic characteristics of Eu3+-activated Ca9Y(PO4)7 nanophosphors in Juddâ€“Ofelt framework. Solid State Sciences, 2020, 108, 106341.	1.5	11
28	Study of structural and luminescent characteristics of novel color tunable blueâ€green Tb3+-doped Na3Y(PO4)2Ânanoparticles for NUV-based WLEDs. Journal of Materials Science: Materials in Electronics, 2021, 32, 4166-4176.	1.1	11
29	Structural and Photo-luminescence examination of red emissive Eu3+-doped nanophosphor synthesized via solution-combustion method. Chemical Physics Letters, 2020, 754, 137657.	1.2	10
30	Characteristics of down conversion green emitting Ba3Bi2(PO4)4:Tb3+ nanosized particles for advanced illuminating devices. Journal of Materials Science: Materials in Electronics, 2020, 31, 1216-1226.	1.1	9
31	A blue to green tunable Ba3GdP3O12:Tb3+ nanophosphor: structural and opto-electronic analysis. Journal of Materials Science: Materials in Electronics, 2020, 31, 3750-3758.	1.1	8
32	Ca9Gd(PO4)7:Sm3+â€"a novel single-phased down converting orange-red-emitting nanophosphor. Journal of Materials Science: Materials in Electronics, 2020, 31, 13796-13807.	1.1	8