

Mandeep Dalal

List of Publications by Year in descending order

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32
papers

849
citations

393982

19
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500791

28
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all docs

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docs citations

32
times ranked

301
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and photoluminescent performance of novel europium (III) carboxylates with heterocyclic ancillary ligands. <i>Rare Metals</i> , 2022, 41, 1342-1352.	3.6	13
2	Study of structural and luminescent characteristics of novel color tunable blue-green Tb ³⁺ -doped Na ₃ Y(PO ₄) ₂ nanoparticles for NUV-based WLEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 4166-4176.	1.1	11
3	A blue to green tunable Ba ₃ GdP ₃ O ₁₂ :Tb ³⁺ nanophosphor: structural and opto-electronic analysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3750-3758.	1.1	8
4	Ba ₅ Zn ₄ Gd ₈ O ₂₁ :Tb ³⁺ structural characterization and the Judd-Ofelt parameterization from emission spectra. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 035002.	1.1	16
5	Structural and Judd-Ofelt intensity parameters of a down-converting Ba ₂ GdV ₃ O ₁₁ :Eu ³⁺ nanophosphors. <i>Materials Chemistry and Physics</i> , 2020, 243, 122631.	2.0	28
6	Characteristics of down conversion green emitting Ba ₃ Bi ₂ (PO ₄) ₄ :Tb ³⁺ nanosized particles for advanced illuminating devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1216-1226.	1.1	9
7	Ba ₂ YV ₃ O ₁₁ :Eu ³⁺ Density functional and experimental analysis of crystal, electronic and optical properties. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153471.	2.8	15
8	Ca ₉ Gd(PO ₄) ₇ :Sm ³⁺ a novel single-phased down converting orange-red-emitting nanophosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13796-13807.	1.1	8
9	Structural and Photo-luminescence examination of red emissive Eu ³⁺ -doped nanophosphor synthesized via solution-combustion method. <i>Chemical Physics Letters</i> , 2020, 754, 137657.	1.2	10
10	Spectroscopic characteristics of Eu ³⁺ -activated Ca ₉ Y(PO ₄) ₇ nanophosphors in Judd-Ofelt framework. <i>Solid State Sciences</i> , 2020, 108, 106341.	1.5	11
11	A hybrid treatment of Ba ₂ LaV ₃ O ₁₁ :Eu ³⁺ nanophosphor system: First-principal and experimental investigations into electronic, crystal and the optical structure. <i>Journal of Alloys and Compounds</i> , 2019, 805, 84-96.	2.8	29
12	Radiative and non-radiative characteristics of Ca ₉ Bi(PO ₄) ₇ :Eu ³⁺ nano-phosphor for solid state lighting devices. <i>Journal of Luminescence</i> , 2019, 216, 116697.	1.5	24
13	Magnetic- and electric-dipole radiative rates in multifunctional Ba ₅ Zn ₄ Y ₈ O ₂₁ :Tb ³⁺ nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 17547-17558.	1.1	18
14	Crystal chemistry and optical analysis of a novel perovskite type SrLa ₂ Al ₂ O ₇ :Sm ³⁺ nanophosphor for white LEDs. <i>Ceramics International</i> , 2019, 45, 15571-15579.	2.3	39
15	Structural analysis and Judd-Ofelt parameterization of Ca ₉ Gd(PO ₄) ₇ :Eu ³⁺ nanophosphor for solid-state illumination. <i>Journal of Luminescence</i> , 2019, 210, 293-302.	1.5	39
16	Photoluminescent and structural properties of color tunable trivalent europium doped SrGdAlO ₄ nanophosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1297-1309.	1.1	22
17	Near-ultraviolet excited down-conversion Sm ³⁺ -doped Ba ₅ Zn ₄ Gd ₈ O ₂₁ reddish-orange emitting nano-diametric rods for white LEDs. <i>Ceramics International</i> , 2019, 45, 7397-7406.	2.3	51
18	Color tunable nanocrystalline SrGd ₂ Al ₂ O ₇ :Tb ³⁺ phosphor for solid state lighting. <i>Ceramics International</i> , 2019, 45, 606-613.	2.3	49

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19	Optical analysis of a novel color tunable Ba ₂ Y(1-x)EuAlO ₅ nanophosphor in Judd-Ofelt framework for solid state lighting. <i>Journal of Luminescence</i> , 2018, 199, 442-449.	1.5	28
20	Energy transfer and photoluminescent analysis of a novel color-tunable Ba ₂ Y _{1-x} V ₃ O ₁₁ :xSm ³⁺ nanophosphor for single-phased phosphor-converted white LEDs. <i>Ceramics International</i> , 2018, 44, 10531-10538.	2.3	26
21	Structural and photoluminescent analysis in Judd-Ofelt framework of color tunable SrGd ₂ (1-x)Eu ₂ Al ₂ O ₇ nanophosphor for white light emitting materials. <i>Journal of Luminescence</i> , 2018, 194, 271-278.	1.5	33
22	Structural and photoluminescent elucidation of the efficient green emitting erbium doped BaY ₂ ZnO ₅ nanophosphor for light emitting materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2175-2183.	1.1	18
23	Synthesis and luminescent properties of Tb ³⁺ doped BaLa ₂ ZnO ₅ nanoparticles. <i>Materials Research Bulletin</i> , 2018, 99, 86-92.	2.7	32
24	Cool white light emitting Ba ₅ Zn ₄ Y ₈ O ₂₁ :Dy ³⁺ nanophosphors for single-phased WLEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20750-20758.	1.1	12
25	Optical properties of trivalent samarium-doped Ba ₅ Zn ₄ Y ₈ O ₂₁ nanodiametric rods excitable by NUV light. <i>Journal of Alloys and Compounds</i> , 2018, 767, 409-418.	2.8	50
26	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. <i>Journal of Alloys and Compounds</i> , 2017, 698, 662-672.	2.8	69
27	Synthesis, photoluminescence features with intramolecular energy transfer and Judd-Ofelt analysis of highly efficient europium(III) complexes. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 12506-12516.	1.1	18
28	Judd-Ofelt and structural analysis of colour tunable BaY ₂ ZnO ₅ :Eu ³⁺ nanocrystals for single-phased white LEDs. <i>Journal of Alloys and Compounds</i> , 2016, 686, 366-374.	2.8	54
29	Structural and photoluminescence investigations of Sm ³⁺ doped BaY ₂ ZnO ₅ nanophosphors. <i>Materials Research Bulletin</i> , 2016, 77, 91-100.	2.7	34
30	A promising novel orange-red emitting SrZnV ₂ O ₇ :Sm ³⁺ nanophosphor for phosphor-converted white LEDs with near-ultraviolet excitation. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 89, 45-52.	1.9	30
31	Photoluminescence and structural properties of Eu ³⁺ doped SrZnV ₂ O ₇ nanocrystals. <i>Journal of Luminescence</i> , 2015, 161, 63-70.	1.5	25
32	Crystal structure and photoluminescent properties of BaZn _{1-x} Eu _x V ₂ O ₇ nanoparticles. <i>Materials Chemistry and Physics</i> , 2015, 149-150, 713-720.	2.0	20