

Mukesh K Sahu

List of Publications by Year in descending order

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19
papers

424
citations

840776

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all docs

19
docs citations

19
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermally stable Mn ²⁺ activated zinc silicate nanophosphor for speedy recognition of high contrast latent fingerprints. International Journal of Applied Ceramic Technology, 2022, 19, 488-497.	2.1	3
2	Spectral characteristics of Tb ³⁺ doped ZnF ₂ ·K ₂ O·Al ₂ O ₃ ·B ₂ O ₃ glasses for epoxy free tricolor w-LEDs and visible green laser applications. Journal of Luminescence, 2022, 244, 118676.	3.1	9
3	Structural and color tunable properties in Sm ³⁺ /Eu ³⁺ -doped Ca ₃ Bi(PO ₄) ₃ phosphor for solar cell and w-LED applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 5201-5213.	2.2	4
4	Synthesis and luminescence characterization of aqueous stable Sr ₃ MgSi ₂ O ₈ : Eu ²⁺ , Dy ³⁺ long afterglow nanophosphor for low light illumination. Journal of Solid State Chemistry, 2022, 310, 123089.	2.9	8
5	Temperature-dependent photoluminescence and optical thermometry performance in Ca ₃ Bi(PO ₄) ₃ :Er ³⁺ phosphors. Solid State Sciences, 2022, 131, 106956.	3.2	8
6	Enhanced visible green and 1.5 μm radiative emission of Er ³⁺ ions in Li ₂ O-PbO-Al ₂ O ₃ -B ₂ O ₃ glasses for photonic applications. Journal of Rare Earths, 2021, 39, 520-525.	4.8	10
7	Physical, structural and optical characterization of Dy ³⁺ doped ZnF ₂ -WO ₂ -B ₂ O ₃ -TeO ₂ glasses for opto-communication applications. Optical Materials, 2021, 114, 110937.	3.6	16
8	Synthesis and optimization of photoluminescence properties in potential reddish orange emitting niobate phosphor for photonic device applications. Luminescence, 2021, 36, 1444-1451.	2.9	5
9	Structural and spectroscopic characteristics of thermally stable Eu ³⁺ activated barium zinc orthophosphate phosphor for white LEDs. Ceramics International, 2020, 46, 26410-26415.	4.8	28
10	Conversion of blue emitting thermally stable Ca ₃ Bi(PO ₄) ₃ host as a color tunable phosphor via energy transfer for luminescent devices. Journal of Luminescence, 2020, 227, 117570.	3.1	20
11	Judd-Ofelt Parameterization and Luminescence Characterization of Dy ³⁺ Doped Oxyfluoride Lithium Zinc Borosilicate Glasses for Lasers and w-LEDs. Journal of Non-Crystalline Solids, 2020, 544, 120187.	3.1	28
12	Realization of warm white light and energy transfer studies of Dy ³⁺ /Eu ³⁺ co-doped Li ₂ O-PbO-Al ₂ O ₃ -B ₂ O ₃ glasses for lighting applications. Journal of Luminescence, 2020, 222, 117166.	3.1	52
13	Synthesis of orange emitting Sm ³⁺ doped sodium calcium silicate phosphor by sol-gel method for photonic device applications. Ceramics International, 2020, 46, 26434-26439.	4.8	38
14	White light emitting thermally stable bismuth phosphate phosphor Ca ₃ Bi(PO ₄) ₃ :Dy ³⁺ for solid state lighting applications. Journal of the American Ceramic Society, 2019, 102, 6087-6099.	3.8	65
15	Effect of Sm ³⁺ ions concentration on borosilicate glasses for reddish orange luminescent device applications. Journal of Non-Crystalline Solids, 2019, 513, 152-158.	3.1	48
16	Structural, morphological, photoluminescence and electrical characterization of aluminium doped ZnO phosphors for solar cell applications. Materials Today: Proceedings, 2018, 5, 610-619.	1.8	5
17	Synthesis and enhancement of photoluminescent properties in spherical shaped Sm ³⁺ /Eu ³⁺ co-doped NaCaPO ₄ phosphor particles for w-LEDs. Journal of Luminescence, 2018, 202, 475-483.	3.1	43
18	Optimization of synthesis technique and luminescent properties in Eu ³⁺ -activated NaCaPO ₄ phosphor for solid state lighting applications. Journal of Luminescence, 2017, 185, 99-105.	3.1	20

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19	Appearance of efficient luminescence energy transfer in doped orthovanadate nanocrystals. Journal of Applied Crystallography, 2017, 50, 787-794.	4.5	14