

Mukesh K Sahu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

424
citations

840776

11
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

215
citing authors

#	ARTICLE	IF	CITATIONS
1	White light emitting thermally stable bismuth phosphate phosphor $\text{Ca}_3\text{Bi}(\text{PO}_4)_3:\text{Dy}^{3+}$ for solid state lighting applications. Journal of the American Ceramic Society, 2019, 102, 6087-6099.	3.8	65
2	Realization of warm white light and energy transfer studies of $\text{Dy}^{3+}/\text{Eu}^{3+}$ co-doped $\text{Li}_2\text{O}-\text{PbO}-\text{Al}_2\text{O}_3-\text{B}_2\text{O}_3$ glasses for lighting applications. Journal of Luminescence, 2020, 222, 117166.	3.1	52
3	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
4	Synthesis and enhancement of photoluminescent properties in spherical shaped $\text{Sm}^{3+}/\text{Eu}^{3+}$ co-doped NaCaPO_4 phosphor particles for w-LEDs. Journal of Luminescence, 2018, 202, 475-483.	3.1	43
5	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
6	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
7	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
8	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
9	Conversion of blue emitting thermally stable $\text{Ca}_3\text{Bi}(\text{PO}_4)_3$ host as a color tunable phosphor via energy transfer for luminescent devices. Journal of Luminescence, 2020, 227, 117570.	3.1	20
10	Physical, structural and optical characterization of Dy^{3+} doped $\text{ZnF}_2-\text{WO}_2-\text{B}_2\text{O}_3-\text{TeO}_2$ glasses for opto-communication applications. Optical Materials, 2021, 114, 110937.	3.6	16
11	Appearance of efficient luminescence energy transfer in doped orthovanadate nanocrystals. Journal of Applied Crystallography, 2017, 50, 787-794.	4.5	14
12	Enhanced visible green and $1.5\ \mu\text{m}$ radiative emission of Er^{3+} ions in $\text{Li}_2\text{O}-\text{PbO}-\text{Al}_2\text{O}_3-\text{B}_2\text{O}_3$ glasses for photonic applications. Journal of Rare Earths, 2021, 39, 520-525.	4.8	10
13	Spectral characteristics of Tb^{3+} doped $\text{ZnF}_2-\text{K}_2\text{O}-\text{Al}_2\text{O}_3-\text{B}_2\text{O}_3$ glasses for epoxy free tricolor w-LEDs and visible green laser applications. Journal of Luminescence, 2022, 244, 118676.	3.1	9
14	Synthesis and luminescence characterization of aqueous stable $\text{Sr}_3\text{MgSi}_2\text{O}_8:\text{Eu}^{2+}, \text{Dy}^{3+}$ long afterglow nanophosphor for low light illumination. Journal of Solid State Chemistry, 2022, 310, 123089.	2.9	8
15	Temperature-dependent photoluminescence and optical thermometry performance in $\text{Ca}_3\text{Bi}(\text{PO}_4)_3:\text{Er}^{3+}$ phosphors. Solid State Sciences, 2022, 131, 106956.	3.2	8
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 optimization of photoluminescence properties in potential reddish orange emitting niobate phosphor for photonic device applications. Luminescence, 2021, 36, 1444-1451.	2.9	5
18	Structural and color tunable properties in $\text{Sm}^{3+}/\text{Eu}^{3+}$ -doped $\text{Ca}_3\text{Bi}(\text{PO}_4)_3$ phosphor for solar cell and w-LED applications. Journal of Materials Science: Materials in Electronics, 2022, 33, 5201-5213.	2.2	4

#	ARTICLE	IF	CITATIONS
19	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