

Dhanapal PrakashBabu

List of Publications by Year in descending order

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23
papers

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citations

1163117

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all docs

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docs citations

25
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283
citing authors

#	ARTICLE	IF	CITATIONS
1	Low temperature synthesis of pure cubic ZrO ₂ nanopowder: Structural and luminescence studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 216-222.	3.9	52
2	Charge compensation assisted enhancement of photoluminescence in combustion derived Li ⁺ co-doped cubic ZrO ₂ :Eu ³⁺ nanophosphors. Physical Chemistry Chemical Physics, 2016, 18, 29447-29457.	2.8	50
3	X-ray photoelectron spectroscopy and optical analysis of pure white light emitting Dy ³⁺ and Mn ²⁺ codoped Na ₃ Y(PO ₄) ₂ phosphors for solid-state lighting. Ceramics International, 2019, 45, 686-694.	4.8	36
4	A potential white light emitting cubic ZrO ₂ :Dy ³⁺ ,Li ⁺ nano phosphors for solid state lighting applications. Journal of Luminescence, 2017, 192, 496-503.	3.1	24
5	Synthesis, photoluminescence and Judd-Ofelt parameters of LiNa ₃ P ₂ O ₇ :Eu ³⁺ orthorhombic microstructures. Applied Physics A: Materials Science and Processing, 2015, 120, 1615-1623.	2.3	19
6	Synthesis and electrical properties of polyaniline-cerium oxide composites. Synthetic Metals, 2020, 270, 116588.	3.9	17
7	Flux influenced morphology tailoring and emission color tuning to pure white in ZrO ₂ :Eu ³⁺ phosphors. Journal of Luminescence, 2018, 201, 345-349.	3.1	13
8	ZrO ₂ :Sm ³⁺ nanophosphor: synthesis, Rietveld refinement, optical and thermoluminescent properties. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
9	Third-order nonlinear optical characteristics of Er ³⁺ -doped BaMoO ₄ nanostructures. Journal of Materials Science: Materials in Electronics, 2022, 33, 8542-8550.	2.2	7
10	Nature-inspired synthesis of ZrO ₂ :Dy ³⁺ viable for WLED applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	6
11	Tuning the non-linear optical absorption properties of Eu ³⁺ -doped NiWO ₄ nanostructures. Journal of Materials Science: Materials in Electronics, 2022, 33, 8308-8317.	2.2	4
12	Solution Combustion Synthesis of ZrO ₂ :Tb ³⁺ Nanophosphors Viable for WLEDs. Materials Today: Proceedings, 2018, 5, 10717-10721.	1.8	3
13	ZrO ₂ -Al ₂ O ₃ nanocomposite: Synthesis, characterization and influence of electron beam irradiation on the structural and PL properties. AIP Conference Proceedings, 2018, , .	0.4	3
14	Effect of microwave annealing on the performance of dye sensitized solar cell with <i>Beta vulgaris</i> as natural dye. Spectroscopy Letters, 2021, 54, 352-359.	1.0	3
15	Electron beam exposure- structural immunity and color tuning in Al ₂ O ₃ :ZrO ₂ :Dy ³⁺ binary matrix prepared by a hybrid approach. Journal of Luminescence, 2019, 214, 116595.	3.1	2
16	Photoluminescence of mixed phase CaSiO ₃ :Ce ³⁺ nanophosphors. Optik, 2020, 218, 165139.	2.9	2
17	Photovoltaic studies on cadmium metal ions doped coordination polymer/TiO ₂ hybrid solar cell. Polymer-Plastics Technology and Materials, 2021, 60, 807-815.	1.3	2
18	Synthesis and luminescence properties of Ce ³⁺ doped CaSiO ₃ nanophosphor. AIP Conference Proceedings, 2020, , .	0.4	1

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19	Novel strontium zirconium di-orthophosphate phosphor for super capacitor and dosimetry application. Spectroscopy Letters, 2021, 54, 204-211.	1.0	1
20	Orange photoluminescence emission of samarium ion doped in calcium zirconium orthophosphate. Spectroscopy Letters, 0, , 1-7.	1.0	1
21	Influence of 120â€‰MeV Si ⁹⁺ ion irradiation on ZnTe semiconductor thin films. Radiation Effects and Defects in Solids, 2019, 174, 819-827.	1.2	0
22	Microwave assisted synthesis of dye sensitized solar cells. AIP Conference Proceedings, 2020, , .	0.4	0
23	Microwave radiation induced performance modifications of dye-sensitized solar cells. Radiation Effects and Defects in Solids, 2021, 176, 481-492.	1.2	0