Dhanapal PrakashBabu

List of Publications by Year
in descending order

23	259	1163117 8	940533 16
papers	citations	h-index	g-index

25	25	25	283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tuning the non-linear optical absorption properties of Eu3+-doped NiWO4 nanostructures. Journal of Materials Science: Materials in Electronics, 2022, 33, 8308-8317.	2.2	4
2	Third-order nonlinear optical characteristics of Er3+-doped BaMoO4 nanostructures. Journal of Materials Science: Materials in Electronics, 2022, 33, 8542-8550.	2.2	7
3	Photovoltaic studies on cadmium metal ions doped coordination polymer/TiO2 hybrid solar cell. Polymer-Plastics Technology and Materials, 2021, 60, 807-815.	1.3	2
4	Novel strontium zirconium di-orthophosphate phosphor for super capacitor and dosimetry application. Spectroscopy Letters, 2021, 54, 204-211.	1.0	1
5	Microwave radiation induced performance modifications of dye-sensitized solar cells. Radiation Effects and Defects in Solids, 2021, 176, 481-492.	1.2	0
6	Effect of microwave annealing on the performance of dye sensitized solar cell with Beta vulgaris as natural dye. Spectroscopy Letters, 2021, 54, 352-359.	1.0	3
7	Synthesis and electrical properties of polyanilineâ€“cerium oxide composites. Synthetic Metals, 2020, 270, 116588.	3.9	17
8	Microwave assisted synthesis of dye sensitized solar cells. AIP Conference Proceedings, 2020, , .	0.4	0
9	Synthesis and luminescence properties of Ce3+ doped CaSiO3 nanophosphor. AIP Conference Proceedings, 2020, , .	0.4	1
10	Photoluminescence of mixed phase CaSiO3:Ce3+ nanophosphors. Optik, 2020, 218, 165139.	2.9	2
11	Electron beam exposure- structural immunity and color tuning in Al2O3â€“ZrO2:Dy3+ binary matrix prepared by a hybrid approach. Journal of Luminescence, 2019, 214, 116595.	3.1	2
12	Influence of 120â€‰MeV Si⁹⁺ ion irradiation on ZnTe semiconductor thin films. Radiation Effects and Defects in Solids, 2019, 174, 819-827.	1.2	0
13	Nature-inspired synthesis of ZrO2:Dy3+ viable for WLED applications. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	6
14	X-ray photoelectron spectroscopy and optical analysis of pure white light emitting Dy3+ and Mn2+ codoped Na3Y(PO4)2 phosphors for solid-state lighting. Ceramics International, 2019, 45, 686-694.	4.8	36
15	ZrO2:Sm3+ nanophosphor: synthesis, Rietveld refinement, optical and thermoluminescent properties. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	11
16	Solution Combustion Synthesis of ZrO 2 :Tb 3+ Nanophosphors Viable for WLEDs. Materials Today: Proceedings, 2018, 5, 10717-10721.	1.8	3
17	ZrO2-Al2O3 nanocomposite: Synthesis, characterization and influence of electron beam irradiation on the structural and PL properties. AIP Conference Proceedings, 2018, , .	0.4	3
18	Flux influenced morphology tailoring and emission color tuning to pure white in ZrO2:Eu3+phosphors. Journal of Luminescence, 2018, 201, 345-349.	3.1	13

#	Article	IF	Citations
19	A potential white light emitting cubic ZrO2:Dy3+,ÂLi+ nano phosphors for solid state lighting applications. Journal of Luminescence, 2017, 192, 496-503.	3.1	24
20	Charge compensation assisted enhancement of photoluminescence in combustion derived Li⁺ co-doped cubic ZrO₂:Eu³⁺ nanophosphors. Physical Chemistry Chemical Physics, 2016, 18, 29447-29457.	2.8	50
21	Synthesis, photoluminescence and Juddâ€“Ofelt parameters of LiNa3P2O7:Eu3+ orthorhombic microstructures. Applied Physics A: Materials Science and Processing, 2015, 120, 1615-1623.	2.3	19
22	Low temperature synthesis of pure cubic ZrO2 nanopowder: Structural and luminescence studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 216-222.	3.9	52
23	Orange photoluminescence emission of samarium ion doped in calcium zirconium orthophosphate. Spectroscopy Letters, 0, , 1-7.	1.0	1