

# Priti Boora Doon

## List of Publications by Year in descending order

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33  
papers

853  
citations

394421

19  
h-index

477307

29  
g-index

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33  
docs citations

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times ranked

249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emanating cool white light emission from novel down-converted SrLaAlO <sub>4</sub> :Dy <sup>3+</sup> nanophosphors for advanced optoelectronic applications. <i>Ceramics International</i> , 2020, 46, 16274-16284.	4.8	77
2	Color tunable nanocrystalline SrGd <sub>2</sub> Al <sub>2</sub> O <sub>7</sub> :Tb <sup>3+</sup> phosphor for solid state lighting. <i>Ceramics International</i> , 2019, 45, 606-613.	4.8	49
3	Combustion derived color tunable Sm <sup>3+</sup> activated BaLaAlO <sub>4</sub> nanocrystals for various innovative solid state illuminants. <i>Chemical Physics Letters</i> , 2020, 758, 137937.	2.6	48
4	Fabrication of single-phase BaLaAlO <sub>4</sub> :Dy <sup>3+</sup> nanophosphors by combustion synthesis. <i>Materials and Manufacturing Processes</i> , 2020, 35, 1259-1267.	4.7	48
5	Tailoring the tunable luminescence from novel Sm <sup>3+</sup> doped SLAO nanomaterials for NUV-excited WLEDs. <i>Chemical Physics Letters</i> , 2020, 755, 137758.	2.6	48
6	Achieving orange red emission with high color purity from novel perovskite based Sr <sub>9</sub> Al <sub>6</sub> O <sub>18</sub> :Sm <sup>3+</sup> nano-cubes for advanced optoelectronic applications. <i>Ceramics International</i> , 2021, 47, 5432-5445.	4.8	48
7	Synthesis and photoluminescence analysis of europium(III) complexes with pyrazole acid and nitrogen containing auxiliary ligands. <i>Spectroscopy Letters</i> , 2020, 53, 625-647.	1.0	38
8	A novel strategy for high color purity virescent Er <sup>3+</sup> -doped SrLaAlO <sub>4</sub> nanocrystals for solid-state lighting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6072-6083.	2.2	38
9	Crystal structure engineering and optical analysis of novel greenish Sr <sub>9</sub> Al <sub>6</sub> O <sub>18</sub> :Er <sup>3+</sup> nanomaterials for NUV excitable cool-white LED applications. <i>Chemical Physics Letters</i> , 2020, 759, 138044.	2.6	34
10	Multicolor luminescence evolving from single-phase Eu <sup>3+</sup> /Tb <sup>3+</sup> co-doped SrLaAlO <sub>4</sub> nanomaterials for advanced photonic appliances. <i>Chemical Physics Letters</i> , 2021, 763, 138243.	2.6	34
11	Structural and photoluminescent analysis in Judd-Ofelt framework of color tunable SrGd <sub>2</sub> (1-)Eu <sub>2</sub> Al <sub>2</sub> O <sub>7</sub> nanophosphor for white light emitting materials. <i>Journal of Luminescence</i> , 2018, 194, 271-278.	3.1	33
12	Structural, spectroscopic and optical analysis of green-glowing BaLaAlO <sub>4</sub> :Er <sup>3+</sup> nanomaterials for photonic applications. <i>Chemical Physics Letters</i> , 2020, 760, 138004.	2.6	33
13	Optical analysis of a novel color tunable Ba <sub>2</sub> Y(1-)Eu AlO <sub>5</sub> nanophosphor in Judd-Ofelt framework for solid state lighting. <i>Journal of Luminescence</i> , 2018, 199, 442-449.	3.1	28
14	Synthesis, photoluminescent features and intramolecular energy transfer mechanism of europium (III) complexes with fluorinate $\beta^2$ -diketone ligand and auxiliary ligands. <i>Journal of Fluorine Chemistry</i> , 2015, 178, 6-13.	1.7	24
15	Structural and luminescent properties of Eu <sup>3+</sup> -doped GdSrAl <sub>3</sub> O <sub>7</sub> nanophosphor. <i>Journal of Materials Science</i> , 2014, 49, 4773-4779.	3.7	22
16	Relative Study of Luminescent Properties with Judd-Ofelt Characterization in Trivalent Europium Complexes Comprising ethyl-(4-fluorobenzoyl) Acetate. <i>Journal of Fluorescence</i> , 2017, 27, 1349-1358.	2.5	22
17	Structural and photometric investigations of green emanating Er <sup>3+</sup> activated SrGd <sub>2</sub> Al <sub>2</sub> O <sub>7</sub> nanophosphors for solid state illumination applications. <i>Materials Chemistry and Physics</i> , 2022, 277, 125542.	4.0	22
18	Synthesis and photoluminescence properties of europium(III) complexes sensitized with $\beta^2$ -diketonato and N, N-donors ancillary ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 67-75.	3.9	21

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19	Enhanced optoelectronics properties of europium(III) complexes with $\beta^2$ -diketone and nitrogen heterocyclic ligands. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 2850-2856.	2.2	20
20	Investigations of luminescent behavior and intramolecular energy transfer mechanism of europium(III) complexes with fluorinated $\beta^2$ -ketoester ligand. <i>Journal of Fluorine Chemistry</i> , 2016, 181, 36-44.	1.7	19
21	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.	2.2	18
22	Synthesis, photoluminescence and biological properties of terbium(III) complexes with hydroxyketone and nitrogen containing heterocyclic ligands. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 152, 304-310.	3.9	17
23	Photoluminescent report on red light emitting europium(III) complexes with heterocyclic acid. <i>Spectroscopy Letters</i> , 2020, 53, 256-269.	1.0	17
24	Synthesis, Photoluminescence Behavior of Green Light Emitting Tb(III) Complexes and Mechanistic Investigation of Energy Transfer Process. <i>Journal of Fluorescence</i> , 2018, 28, 775-784.	2.5	15
25	Synthesis of cool white light emitting novel dysprosium ( $Dy^{3+}$ ) complexes with tetradentate $\beta^2$ -ketoamide and heterocyclic auxiliary ligands. <i>Luminescence</i> , 2021, 36, 1209-1219.	2.9	14
26	Synthesis and photoluminescent performance of novel europium (III) carboxylates with heterocyclic ancillary ligands. <i>Rare Metals</i> , 2022, 41, 1342-1352.	7.1	13
27	Terbium(III) complexes sensitized with $\beta^2$ -diketone and ancillary ligands: Synthesis, elucidation of photoluminescence properties and mechanism. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9306-9313.	2.2	11
28	Structural, optical and morphological features of combustion derived Ba <sub>3</sub> Y <sub>4</sub> O <sub>9</sub> : Dy <sup>3+</sup> nanocrystalline phosphor with white light emission. <i>Optik</i> , 2021, 228, 166176.	2.9	11
29	Crystal chemistry and photoluminescent aspects of down-converted Tb <sup>3+</sup> activated SrGdAlO <sub>4</sub> nanophosphors for multifunctional applications. <i>Journal of Solid State Chemistry</i> , 2022, 310, 123030.	2.9	11
30	Optical Features of Efficient Europium(III) Complexes with $\beta^2$ -Diketonato and Auxiliary Ligands and Mechanistic Investigation of Energy Transfer Process. <i>Journal of Fluorescence</i> , 2016, 26, 1813-1823.	2.5	9
31	New Insights into Optoelectronic Features of Eu(III) Complexes with Heterocyclic Ligand for Advanced Optical Applications. <i>Journal of Fluorescence</i> , 2022, 32, 1073-1087.	2.5	5
32	Investigations into spectroscopic and optoelectronic behaviour of furoic acid–based Eu(III) complexes for advanced photonic applications. <i>Luminescence</i> , 2022, , .	2.9	3
33	Photophysical investigations of red light emanating Eu(III) complexes with dioxoester functionalized ligand for optoelectronic applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114003.	3.9	3