Satyender Khatkar

List of Publications by Year
in descending order

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137 papers	3,271 citations	126907 33 h-index	254184 43 g-index
137 all docs	137 docs citations	137 times ranked	1137 citing authors

#	Article	IF	Citations
1	Synthesis, luminescence and effect of heat treatment on the properties of Dy3+-doped YVO4 phosphor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 129, 126-130.	3.5	82
2	Preparation and luminescence properties of Tb3+ doped ZrO2 and BaZrO3 phosphors. Journal of Luminescence, 2010, 130, 2128-2132.	3.1	77
3	Emanating cool white light emission from novel down-converted SrLaAlO4:Dy3+ nanophosphors for advanced optoelectronic applications. Ceramics International, 2020, 46, 16274-16284.	4.8	77
4	An effective emission of characteristic cool white light from Dy3+ doped perovskite type SrLa2Al2O7 nanophosphors in single-phase pc WLEDs. Chemical Physics Letters, 2019, 737, 136842.	2.6	71
5	Synthesis of indium tin oxide (ITO) and fluorine-doped tin oxide (FTO) nano-powder by solâ€“gel combustion hybrid method. Materials Letters, 2007, 61, 1701-1703.	2.6	69
6	An energy-efficient novel emerald Er3+ doped SrGdAlO4 nanophosphor for PC WLEDs excitable by NUV light. Ceramics International, 2019, 45, 24104-24114.	4.8	66
7	Tartaric acid-assisted solâ€“gel synthesis of Y2O3:Eu3+ nanoparticles. Journal of Alloys and Compounds, 2009, 469, 224-228.	5.5	61
8	Judd-Ofelt and structural analysis of colour tunable BaY 2 ZnO 5 :Eu 3+ nanocrystals for single-phased white LEDs. Journal of Alloys and Compounds, 2016, 686, 366-374.	5.5	54
9	Near-ultraviolet excited down-conversion Sm3+-doped Ba5Zn4Gd8O21 reddish-orange emitting nano-diametric rods for white LEDs. Ceramics International, 2019, 45, 7397-7406.	4.8	51
10	Optical properties of trivalent samarium-doped Ba5Zn4Y8O21 nanodiametric rods excitable by NUV light. Journal of Alloys and Compounds, 2018, 767, 409-418.	5.5	50
11	Color tunable nanocrystalline SrGd2Al2O7:Tb3+ phosphor for solid state lighting. Ceramics International, 2019, 45, 606-613.	4.8	49
12	Synthesis, structural and optical properties of Eu3+â€“doped Ca2V2O7 nanophosphors. Current Applied Physics, 2013, 13, 594-598.	2.4	48
13	Combustion derived color tunable Sm3+ activated BaLaAlO4 nanocrystals for various innovative solid state illuminants. Chemical Physics Letters, 2020, 758, 137937.	2.6	48
14	Fabrication of single-phase BaLaAlO₄:Dy³⁺ nanophosphors by combustion synthesis. Materials and Manufacturing Processes, 2020, 35, 1259-1267.	4.7	48
15	Tailoring the tunable luminescence from novel Sm3+ doped SLAO nanomaterials for NUV-excited WLEDs. Chemical Physics Letters, 2020, 755, 137758.	2.6	48
16	Achieving orange red emission with high color purity from novel perovskite based Sr9Al6O18:Sm3+ nano-cubes for advanced optoelectronic applications. Ceramics International, 2021, 47, 5432-5445.	4.8	48
17	Augmenting the photoluminescence efficiency via enhanced energy-relocation of new white-emanating BaYAlZn3O7:Dy3+ nano-crystalline phosphors for WLEDs. Journal of Alloys and Compounds, 2021, 879, 160371.	5.5	47
18	Cool-white illumination characteristics of combustion-derived novel single-phase Sr9Al6O18: Dy3+ nanomaterials for NUV induced WLEDs and solar cells. Chemical Physics Letters, 2021, 770, 138438.	2.6	40

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19	Crystal chemistry and optical analysis of a novel perovskite type SrLa2Al2O7:Sm3+ nanophosphor for white LEDs. Ceramics International, 2019, 45, 15571-15579.	4.8	39
20	Crystal structure, synthesis and photoluminescent properties of a reddish-orange light emitting SrGdAlO4: Sm3+ nanophosphor. Materials Chemistry and Physics, 2019, 232, 39-48.	4.0	39
21	Characteristic white light emission via down-conversion SrGdAlO4:Dy3+ nanophosphor. Current Applied Physics, 2019, 19, 621-628.	2.4	39
22	Structural analysis and Judd-Ofelt parameterization of Ca9Gd(PO4)7:Eu3+ nanophosphor for solid-state illumination. Journal of Luminescence, 2019, 210, 293-302.	3.1	39
23	Synthesis and photoluminescence analysis of europium(III) complexes with pyrazole acid and nitrogen containing auxiliary ligands. Spectroscopy Letters, 2020, 53, 625-647.	1.0	38
24	A novel strategy for high color purity virescent Er3+-doped SrLaAlO4 nanocrystals for solid-state lighting applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 6072-6083.	2.2	38
25	Reddish-orange light emission via combustion synthesized Ba3Y4O9: Sm3+ nanocrystalline phosphor upon near ultraviolet excitation. Journal of Luminescence, 2020, 217, 116806.	3.1	37
26	Influence of Tb3+ doping on the structural and down-conversion luminescence behaviour of SrLaAlO4 nanophosphor. Journal of Luminescence, 2020, 221, 117064.	3.1	37
27	Synthesis, structural and optical properties of SrZrO3:Eu3+ phosphor. Journal of Rare Earths, 2014, 32, 293-297.	4.8	36
28	Crystallographic and Judd-Ofelt Parametric investigation into Ca9Bi(VO4)7:Eu3+ nanophosphor for NUV-WLEDs. Journal of Luminescence, 2021, 234, 117984.	3.1	36
29	Cool white light emanation and photo physical features of combustion derived Dy3+ doped ternary yttrate oxide based nanophosphors for down converted WLEDs. Chemical Physics Letters, 2021, 773, 138608.	2.6	36
30	Combustion synthesis and luminescent properties of Eu3+-doped LnAlO3 (Ln=Y and Gd) phosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 127, 272-275.	3.5	34
31	Structural and photoluminescence investigations of Sm3+ doped BaY2ZnO5 nanophosphors. Materials Research Bulletin, 2016, 77, 91-100.	5.2	34
32	Crystal structure engineering and optical analysis of novel greenish Sr9Al6O18:Er3+ nanomaterials for NUV excitable cool-white LED applications. Chemical Physics Letters, 2020, 759, 138044.	2.6	34
33	Multicolor luminescence evolving from single-phase Eu3+/Tb3+ co-doped SrLaAlO4 nanomaterials for advanced photonic appliances. Chemical Physics Letters, 2021, 763, 138243.	2.6	34
34	Structural and photoluminescent analysis in Judd-Ofelt framework of color tunable SrGd2(1-)Eu2Al2O7 nanophosphor for white light emitting materials. Journal of Luminescence, 2018, 194, 271-278.	3.1	33
35	Structural, spectroscopic and optical analysis of green-glowing BaLaAlO4:Er3+ nanomaterials for photonic applications. Chemical Physics Letters, 2020, 760, 138004.	2.6	33
36	Probing into multifunctional deep orange-red emitting Sm3+-activated zincate based nanomaterials for wLED applications. Chemical Physics Letters, 2021, 777, 138743.	2.6	33

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37	Synthesis and luminescent properties of Tb3+ doped BaLa2ZnO5 nanoparticles. Materials Research Bulletin, 2018, 99, 86-92.	5.2	32
38	Crystal chemistry and photoluminescent investigation of novel white light emanating Dy3+ doped Ca9Bi(VO4)7 nanophosphor for ultraviolet based white LEDs. Materials Chemistry and Physics, 2021, 270, 124828.	4.0	32
39	Characterization and photoluminescence properties of some MLn2(1â^'x)O4:2xEu3+ or 2xTb3+ systems (M=Ba or Sr, Ln=Gd or La). Journal of Luminescence, 2011, 131, 587-591.	3.1	31
40	Synthesis, Optical Investigation and Biological Properties of Europium(III) Complexes with 2-(4-Chlorophenyl)-1-(2-Hydroxy-4-Methoxyphenyl)Ethan-1-one and Ancillary Ligands. Journal of Fluorescence, 2017, 27, 1-11.	2.5	31
41	A promising novel orangeâ€"red emitting SrZnV 2 O 7 :Sm 3+ nanophosphor for phosphor-converted white LEDs with near-ultraviolet excitation. Journal of Physics and Chemistry of Solids, 2016, 89, 45-52.	4.0	30
42	Highly efficient green-glimmering Y3Al5O12:Er3+ NPs for next generation electro-optic appliances, mainly white-LEDs and solar-cells. Chemical Physics Letters, 2021, 773, 138592.	2.6	30
43	Synthesis, characterization and luminescent properties of Eu/Tb-doped LaSrAl3O7 nanophosphors. Journal of Alloys and Compounds, 2013, 549, 135-140.	5.5	29
44	A hybrid treatment of Ba2LaV3O11:Eu3+ nanophosphor system: First-principal and experimental investigations into electronic, crystal and the optical structure. Journal of Alloys and Compounds, 2019, 805, 84-96.	5.5	29
45	Crystal structure and photophysical features of greenish perovskite type SrLa₂Al₂O₇:Er³⁺ nanocrystals for down conversion white LEDs. Materials Research Express, 2019, 6, 126213.	1.6	29
46	Optical analysis of a novel color tunable Ba2Y(1-)Eu AlO5 nanophosphor in Judd-Ofelt framework for solid state lighting. Journal of Luminescence, 2018, 199, 442-449.	3.1	28
47	Structural and Judd-Ofelt intensity parameters of a down-converting Ba2GdV3O11:Eu3+ nanophosphors. Materials Chemistry and Physics, 2020, 243, 122631.	4.0	28
48	Designing of emerald terbium (III) ions with Î²â€ketocarboxylic acid and heterocyclic ancillary ligands for biological and optoelectronic applications. Luminescence, 2021, 36, 1658-1670.	2.9	28
49	Luminescence and structural properties of Eu3+ doped BaY2ZnO5 for LED solid-state lighting application. Journal of Materials Science: Materials in Electronics, 2013, 24, 4677-4683.	2.2	26
50	Synthesis, characterization, enhanced photoluminescence, antimicrobial and antioxidant activities of novel Sm(III) complexes containing 1-(2-hydroxy-4,6-dimethoxyphenyl)ethanone and nitrogen containing ancillary ligands. Journal of Materials Science: Materials in Electronics, 2016, 27, 878-885.	2.2	26
51	Energy transfer and photoluminescent analysis of a novel color-tunable Ba 2 Y 1-x V 3 O 11 : x Sm 3+ nanophosphor for single-phased phosphor-converted white LEDs. Ceramics International, 2018, 44, 10531-10538.	4.8	26
52	Photoluminescence and structural properties of Eu3+ doped SrZnV2O7 nanocrystals. Journal of Luminescence, 2015, 161, 63-70.	3.1	25
53	Synthesis, photoluminescent features and intramolecular energy transfer mechanism of europium (III) complexes with fluorinate Î²-diketone ligand and auxiliary ligands. Journal of Fluorine Chemistry, 2015, 178, 6-13.	1.7	24
54	Radiative and non-radiative characteristics of Ca9Bi(PO4)7:Eu3+ nano-phosphor for solid state lighting devices. Journal of Luminescence, 2019, 216, 116697.	3.1	24

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55	Designing of luminescent complexes of europium(III) ion with hydroxyl ketone and nitrogen donor secondary ligands for improving the luminescence performance and biological actions. Inorganica Chimica Acta, 2021, 525, 120463.	2.4	24
56	Combustion synthesis, Juddâ€“Ofelt parameters and optical properties of color tunable Ba3Y4O9: Eu3+ nanophosphor for near-UV based WLEDs. Journal of Materials Science: Materials in Electronics, 2019, 30, 8751-8762.	2.2	23
57	Luminescent properties of europium and terbium complexes with 2â€²-hydroxy-4â€²,6â€²-dimethoxyacetophenone. Displays, 2010, 31, 116-121.	3.7	22
58	Synthesis and Luminescent Properties of M2V2O7: Eu (M=Sr, Ba) Nanophosphors. Journal of Fluorescence, 2012, 22, 891-897.	2.5	22
59	Structural and luminescent properties of Eu3+-doped GdSrAl3O7 nanophosphor. Journal of Materials Science, 2014, 49, 4773-4779.	3.7	22
60	Relative Study of Luminescent Properties with Judd-Ofelt Characterization in Trivalent Europium Complexes Comprising ethyl-(4-fluorobenzoyl) Acetate. Journal of Fluorescence, 2017, 27, 1349-1358.	2.5	22
61	Photoluminescent and structural properties of color tunable trivalent europium doped SrGdAlO4 nanophosphors. Journal of Materials Science: Materials in Electronics, 2019, 30, 1297-1309.	2.2	22
62	Structural and photometric investigations of green emanating Er3+ activated SrGd2Al2O7 nanophosphors for solid state illumination applications. Materials Chemistry and Physics, 2022, 277, 125542.	4.0	22
63	Preparation and photoluminescent properties of europium complexes with methoxy derivatives of 2â€²-hydroxy-2-phenylacetophenones. Journal of Luminescence, 2008, 128, 1297-1302.	3.1	21
64	Synthesis and photoluminescence properties of europium(III) complexes sensitized with Î²-diketonato and N, N-donors ancillary ligands. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 196, 67-75.	3.9	21
65	Photometric features and typical white light emanation via combustion derived trivalent dysprosium doped ternary aluminate oxide based nanophosphor for WLEDs. Ceramics International, 2020, 46, 4204-4214.	4.8	21
66	Structural and optical investigation of Tb3+-doped Ba3Y4O9 nanocrystals for solid state lighting applications. Journal of Solid State Chemistry, 2020, 288, 121333.	2.9	21
67	Luminescence tuning and structural analysis of new BaYAlZn3O7:Sm3+ nanomaterials with excellent performance for advanced optoelectronic appliances. Journal of Materials Science: Materials in Electronics, 2021, 32, 15930-15943.	2.2	21
68	Enhanced optoelectronics properties of europium(III) complexes with Î²-diketone and nitrogen heterocyclic ligands. Journal of Materials Science: Materials in Electronics, 2014, 25, 2850-2856.	2.2	20
69	Synthesis, characterization, enhanced photoluminescence and biological activity of Eu(III) complexes with organic ligands. Journal of Materials Science: Materials in Electronics, 2015, 26, 7086-7095.	2.2	20
70	Crystal structure and photoluminescent properties of BaZn1â^'Eu V2O7 nanoparticles. Materials Chemistry and Physics, 2015, 149-150, 713-720.	4.0	20
71	Synthesis, characterizations and luminescent properties of terbium complexes with methoxy derivatives of 2â€²-hydroxy-2-phenylacetophenone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 1119-1124.	3.9	19
72	Investigations of luminescent behavior and intramolecular energy transfer mechanism of europium(III) complexes with fluorinated Î²-ketoester ligand. Journal of Fluorine Chemistry, 2016, 181, 36-44.	1.7	19

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73	Applicability of Reddish-Orange Light Emitting Samarium (III) Complexes for Biomedical and Multifunctional Optoelectronic Devices. Journal of Fluorescence, 2022, 32, 613-627.	2.5	19
74	Optical and photophysical portrayal of Sm3+ complexes possessing two band gaps for relevance in solar cells and photovoltaic devices. Journal of Molecular Structure, 2022, 1260, 132847.	3.6	19
75	Synthesis, photoluminescence features with intramolecular energy transfer and Juddâ€“Ofelt analysis of highly efficient europium(III) complexes. Journal of Materials Science: Materials in Electronics, 2016, 27, 12506-12516.	2.2	18
76	Structural and photoluminescent elucidation of the efficient green emitting erbium doped BaY2ZnO5 nanophosphor for light emitting materials. Journal of Materials Science: Materials in Electronics, 2018, 29, 2175-2183.	2.2	18
77	Magnetic- and electric-dipole radiative rates in multifunctional Ba5Zn4Y8O21:Tb3+ nanorods. Journal of Materials Science: Materials in Electronics, 2019, 30, 17547-17558.	2.2	18
78	Realization of tricolor luminescence from novel Sr5Al2O8:Sm3+, Er3+& Dy3+ nanomaterials for advanced photonic applications. Chemical Physics Letters, 2021, 762, 138134.	2.6	18
79	Enhanced Optoelectronic and Biological Potential of Virescent-Glowing Terbium(III) Complexes with Pyrazole Acid. Journal of Electronic Materials, 2021, 50, 2656-2668.	2.2	18
80	Facile combustion fabrication and optical investigation of novel Er3+-activated BaSrY4O8 green emitter for solid state lighting applications. Optik, 2021, 241, 167041.	2.9	18
81	Synthesis, photoluminescence and biological properties of terbium(III) complexes with hydroxyketone and nitrogen containing heterocyclic ligands. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 152, 304-310.	3.9	17
82	Crystal configuration and photoluminescent aspects of red-emitting combustion synthesized novel BaYZn3AlO7: Eu3+ nanophosphor. Journal of Alloys and Compounds, 2020, 823, 153641.	5.5	17
83	Sm3+ doped Bi4MgO4(PO4)2:crystal and optoelectronic investigation of the solution combustion derived bright orange emanating novel nanophosphor for SSLs. Materials Chemistry and Physics, 2022, 276, 125389.	4.0	17
84	Urbach and Judd-Ofelt analysis of crystalline samarium (III) complexes with Î²-ketocarboxylate and nitrogen donor secondary ligands. Polyhedron, 2022, 221, 115847.	2.2	17
85	Synthesis and characterization of luminescent Eu(HMAP)3Â·2H2O and Tb(HMAP)3Â·2H2O complexes. Displays, 2009, 30, 170-174.	3.7	16
86	Ba5Zn4Gd8O21:Tb3+â€"structural characterization and the Judd-Ofelt parameterization from emission spectra. Methods and Applications in Fluorescence, 2020, 8, 035002.	2.3	16
87	Facile combustion synthesis of Sm3+ activated orange-red light emanating Sr6Y2Al4O15 nanophosphor for photonic applications. Journal of Luminescence, 2020, 224, 117277.	3.1	16
88	Characterization and Luminescence Properties of Color-Tunable Dy3+-Doped BaY2ZnO5 Nanophosphors. Journal of Electronic Materials, 2015, 44, 542-548.	2.2	15
89	Synthesis, Photoluminescence Behavior of Green Light Emitting Tb(III) Complexes and Mechanistic Investigation of Energy Transfer Process. Journal of Fluorescence, 2018, 28, 775-784.	2.5	15
90	Ba2YV3O11:Eu3+â^'Density functional and experimental analysis of crystal, electronic and optical properties. Journal of Alloys and Compounds, 2020, 821, 153471.	5.5	15

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91	Utilization of Judd-Ofelt theory to assess the photophysical properties of Î²-keto carboxylate Tb(III) complexes with heterocyclic secondary sensitizer. Optical Materials, 2022, 131, 112629.	3.6	15
92	Combustion synthesis and luminescent properties of MIn2O4:xTb (M=Ca and Sr) phosphors. Materials Chemistry and Physics, 2006, 98, 528-531.	4.0	14
93	Preparation and photoluminescence characteristics of Eu3+-doped MgAl1.8Y0.2O4 nanocrystals. Journal of Luminescence, 2007, 126, 597-601.	3.1	14
94	Synthesis of cool white light emitting novel dysprosium (Dy³⁺) complexes with tetradentate Î²â€ketoamide and heterocyclic auxiliary ligands. Luminescence, 2021, 36, 1209-1219.	2.9	14
95	The influence of sintering temperature on particle size/shape and photoluminescence characteristics of CaIn2O4:xTb synthesized by combustion process. Optical Materials, 2007, 29, 1362-1366.	3.6	13
96	Synthesis, NMR, photoluminescence studies and intramolecular energy transfer process of europium(III) complexes. Journal of Fluorine Chemistry, 2016, 188, 177-184.	1.7	13
97	Synthesis and photoluminescent performance of novel europium (III) carboxylates with heterocyclic ancillary ligands. Rare Metals, 2022, 41, 1342-1352.	7.1	13
98	Crystal structure and photoluminescent analysis of bright orange-red emanating Sm3+-doped Ca9Bi(VO4)7 nanophosphor for WLEDs. Journal of Materials Science: Materials in Electronics, 2021, 32, 8615-8627.	2.2	13
99	Optoelectronic and biological quantification of semi-conducting, crimson europium chelates with fluorinated Î²-keto acid and N-donor ancillary ligands. Research on Chemical Intermediates, 2022, 48, 1685-1716.	2.7	13
100	Judd-Ofelt, optical and photophysical analysis of Î²-ketocarboxylate Sm(III) complexes with N-donor aromatic system as secondary sensitizers. Optical Materials, 2022, 128, 112463.	3.6	13
101	Luminescent Properties of ZnS:Eu2+ Nanocrystals. ECS Transactions, 2006, 1, 7-12.	0.5	12
102	Synthesis and optical properties of Gd2(1âˆ'x)O3: 2xEu3+ nanophosphors via tartaric assisted solâ€"gel route. Journal of Sol-Gel Science and Technology, 2015, 74, 24-31.	2.4	12
103	Photoluminescence performance of green light emitting terbium (III) complexes with Î²â€hydroxy ketone and nitrogen donor ancillary ligands. Luminescence, 2021, 36, 742-754.	2.9	12
104	Structural and spectroscopic analysis of green glowing down-converted BYO:Er3+ nanophosphors for pc-WLEDs. Ceramics International, 2021, 47, 25602-25613.	4.8	12
105	Terbium(III) complexes sensitized with Î²-diketone and ancillary ligands: Synthesis, elucidation of photoluminescence properties and mechanism. Journal of Materials Science: Materials in Electronics, 2016, 27, 9306-9313.	2.2	11
106	Spectroscopic characteristics of Eu3+-activated Ca9Y(PO4)7 nanophosphors in Juddâ€"Ofelt framework. Solid State Sciences, 2020, 108, 106341.	3.2	11
107	Structural, optical and morphological features of combustion derived Ba3Y4O9: Dy3+ nanocrystalline phosphor with white light emission. Optik, 2021, 228, 166176.	2.9	11
108	Synthesis and crystal structural analysis of a green light-emitting Ba5Zn4Y8O21:Er3+ nanophosphor for PC-WLEDs applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 11683-11694.	2.2	11

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109	Crystal chemistry and photoluminescent aspects of down-converted Tb3+ activated SrGdAlO4 nanophosphors for multifunctional applications. Journal of Solid State Chemistry, 2022, 310, 123030.	2.9	11
110	Synthesis, NMR and optical features of intense green color terbium(III) complexes. Optik, 2020, 202, 163636.	2.9	10
111	Structural and Photo-luminescence examination of red emissive Eu3+-doped nanophosphor synthesized via solution-combustion method. Chemical Physics Letters, 2020, 754, 137657.	2.6	10
112	Achieving crimson red emission of europium (III) complexes with Î²-keto acids and ancillary ligands for their applications in optoelectronic devices and biomedical domain. Optik, 2022, 264, 169389.	2.9	10
113	Synthesis and photosensitization study of red luminescent europium (III) complexes with heterocyclic ligands for application in OLEDs. Inorganic Chemistry Communication, 2022, 142, 109720.	3.9	10
114	Synthesis and luminescent properties of BaLn2(1â^'x)ZnO5:2xTb3+ (LnÂ=ÂY, Gd) nanophosphors. Journal of Materials Science, 2014, 49, 572-579.	3.7	9
115	Combustion Synthesis and Optical Properties of Eu3+-Doped BaGd2ZnO5 fâ€“f Transition Nanophosphor for White LED. Journal of Electronic Materials, 2014, 43, 1174-1180.	2.2	9
116	Optical Features of Efficient Europium(III) Complexes with Î²-Diketonato and Auxiliary Ligands and Mechanistic Investigation of Energy Transfer Process. Journal of Fluorescence, 2016, 26, 1813-1823.	2.5	9
117	Characteristics of down conversion green emitting Ba3Bi2(PO4)4:Tb3+ nanosized particles for advanced illuminating devices. Journal of Materials Science: Materials in Electronics, 2020, 31, 1216-1226.	2.2	9
118	A blue to green tunable Ba3GdP3O12:Tb3+ nanophosphor: structural and opto-electronic analysis. Journal of Materials Science: Materials in Electronics, 2020, 31, 3750-3758.	2.2	8
119	Judd-Ofelt analysis of warm reddish orange light emanating samarium (III) complexes possessing two band gaps. Journal of Molecular Structure, 2022, , 133423.	3.6	7
120	International Symposium on Electroanalysis and Sensors in Biomedical, Environmental and Industrial Sciences. Analytical Proceedings, 1987, 24, 324.	0.4	6
121	An efficient synthesis of trivalent erbium activated BaYZn3AlO7 nano-sized phosphors for illumination purpose. Optik, 2022, 257, 168774.	2.9	6
122	Solâ€“gel synthesis, characterization and luminescent properties of Tb3+ doped MLa2O4 (M=Sr or Ba) nanophosphors. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 1436-1442.	3.5	5
123	Photoluminescent properties of Tb3+ doped GdSrAl3O7 nanophosphor using solution combustions synthesis. Electronic Materials Letters, 2015, 11, 409-415.	2.2	5
124	Ba2Zn2La4O10:Sm3+: A novel orangeâ€“red emitting nanophosphor with high color purity for WLEDs applications. Journal of Materials Science: Materials in Electronics, 2020, 31, 20785-20797.	2.2	5
125	Eu3+ incorporated Bi4MgO4(PO4)2: Derivation of the novel nanophosphor by solution combustion and investigation in to crystallographic and photometric characteristics. Solid State Sciences, 2022, 124, 106799.	3.2	5
126	Design of color tunable SrLa2Al2O7:Eu3+ perovskite type nanophosphor for near-ultraviolet excited white LEDs. Journal of Materials Science: Materials in Electronics, 2022, 33, 5983-5996.	2.2	5

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127	New Insights into Optoelectronic Features of Eu(III) Complexes with Heterocyclic Ligand for Advanced Optical Applications. Journal of Fluorescence, 2022, 32, 1073-1087.	2.5	5
128	Structural and optical properties of BaZrO $$_{3}$$ 3 :Eu $$^{3+}$$ 3 + phosphor. Optical and Quantum Electronics, 2014, 46, 1499-1508.	3.3	4
129	Synthesis and luminescent properties of CaIn2O4:xTb nanocrystals. Current Applied Physics, 2006, 6, e192-e194.	2.4	3
130	Structural and optical characterizations of cool white light emitting Ba2Zn2La4O10:Dy3+ nanophosphor for advanced optoelectronic applications. Chemical Physics Letters, 2021, 765, 138289.	2.6	3
131	Investigations into spectroscopic and optoelectronic behaviour of furoic acidâ€based Eu(III) complexes for advanced photonic applications. Luminescence, 2022, , .	2.9	3
132	Photophysical investigations of red light emanating Eu(III) complexes with dioxoester functionalized ligand for optoelectronic applications. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114003.	3.9	3
133	Characterization and Luminescent Properties of YPO4:Eu3+ Nanocrystals Prepared by Combustion Method. ECS Transactions, 2006, 2, 59-66.	0.5	2
134	Structural and Optoelectronic Investigation of Combustion-Derived Ba2Zn2La4O10: Er3+ Green Emitters for n-UV-Based White LEDs. Journal of Electronic Materials, 2022, 51, 3637-3649.	2.2	1
135	Sm3+ incorporated Ba2GdV3O11: Photometric and crystal analysis of the ultraviolet triggered nanophosphor with white emission. Chemical Physics, 2022, 561, 111623.	1.9	1
136	Fluoroquinolones Metal Complexes as Potent Antibacterial Agents. Asian Journal of Chemistry, 2022, 34, 1055-1065.	0.3	0
137	Reinforced Optical Properties of Sm3+ Complexes with Î²-Hydroxyketone Ligand by Using Methylated Auxiliary Ligands. Asian Journal of Chemistry, 2022, 34, 1749-1754.	0.3	0