Sanjiv V Moharil

List of Publications by Year
in descending order

101	1,158	471061	525886
papers	citations	17 h-index	27 g-index

103	103	103	1032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, characterization, and luminescence studies of rareâ€earthâ€activated NaMgF₃. Luminescence, 2022, 37, 89-96.	1.5	4
2	Photoluminescence Properties of (Mg(^{2+})) Divalent and (Al(^{3+})) Trivalent Metal Coumarinolates Doped with Quinoline for PCLED Application. , 2022, 9, 67-74.		0
3	Synthesis of KZnF(_{3}) Phosphors by Co-Precipitation Method. , 2022, 9, 75-83.		1
4	Colour tuning of garnet phosphor through codoping. Journal of Luminescence, 2021, 235, 118017.	1.5	4
5	Luminescence in the system Al2O3-B2O3. Journal of Alloys and Compounds, 2021, 883, 160846.	2.8	4
6	Activation of bismuth aluminate for obtaining near infrared emission. Optical Materials, 2021, 122, 111773.	1.7	2
7	Combustion Synthesis of Some Cr3+-Activated Aluminate Phosphors. Physics of the Solid State, 2021, 63, 1104-1112.	0.2	1
8	Wet-chemical synthesis and luminescence of KCeF4. Materials Today: Proceedings, 2020, 26, 1046-1048.	0.9	0
9	DEVELOPMENT OF NACL-BASED OPTICALLY STIMULATED LUMINESCENT PHOSPHORS FOR THE POSSIBLE APPLICATIONS IN DOSIMETRY. Radiation Protection Dosimetry, 2020, 192, 27-35.	0.4	4
10	An attempt to synthesize and study luminescence in CaSiF6. Materials Today: Proceedings, 2020, 28, 112-114.	0.9	0
11	Synthesis and study of luminescence in Na2SiF6. Materials Today: Proceedings, 2020, 28, 37-39.	0.9	0
12	Broadband excited Nd3+ NIR emission in Sr5(PO4)3Cl:Eu2+, Nd3+ phosphor for solar spectral modification. Journal of Luminescence, 2020, 222, 117118.	1.5	10
13	Semiconductor host for designing phosphors for modification of solar spectrum. Optical Materials, 2020, 100, 109668.	1.7	9
14	Spectral converters for CdSâ€“CdTe solar cell. Journal of Alloys and Compounds, 2020, 825, 154007.	2.8	4
15	Wet Chemical Synthesis and Study of Luminescence in Some Eu2+ Activated AEMgF4 Hosts. Physics of the Solid State, 2020, 62, 2318-2324.	0.2	0
16	Luminescence in Eu2+ Activated (Ca5-xSrx)(PO4)3Cl (x = 0.1, 2.4) Phosphors. Materials Today: Proceedings, 2019, 15, 555-559.	0.9	2
17	Cyan emitting Ca3Sc2Si1.5Ge1.5O12:Ce3+ phosphor with 10.4 ns lifetime. Journal of Luminescence, 2019, 216, 116744.	1.5	6
18	NIR emission and energy transfer phenomena in Bi2(MoO4)3 doped with Nd3+and/or Yb3+. AIP Advances, 2019, 9, .	0.6	7

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19	Rapid synthesis of garnet structured aluminosilicate phosphors. Journal of Luminescence, 2019, 214, 116537.	1.5	10
20	Cr3+ sensitized near infrared emission in Al2O3:Cr,Nd/Yb phosphors. Journal of Alloys and Compounds, 2019, 790, 1192-1200.	2.8	22
21	Sensitization of Er3+/Ho3+ visible and NIR emission in NaY(MoO4)2 phosphors. Optics and Laser Technology, 2019, 115, 215-221.	2.2	27
22	Broad Band excited NIR emission in Li2CeO3:Nd/Yb phosphor for modification of solar spectrum. Journal of Alloys and Compounds, 2019, 771, 534-540.	2.8	10
23	Enhancement of 1.54â€Î¼m emission in Ce3+-Er3+ codoped Ca4Si2O7F2 phosphor. Journal of Alloys and Compounds, 2019, 775, 810-817.	2.8	10
24	NIR emitting Bi2MoO6:Nd3+/Yb3+ phosphor as a spectral converter for solar cells. Journal of Luminescence, 2019, 206, 39-45.	1.5	10
25	Synthesis, crystal structure and luminescence in Ca3Al2O6. Journal of Materials Science: Materials in Electronics, 2018, 29, 6260-6265.	1.1	9
26	Energy transfer studies in Ca10Li(PO4)7:Ce3+, Nd3+. Optik, 2018, 168, 92-100.	1.4	2
27	PHASE DEPENDENT OPTICALLY STIMULATED LUMINESCENCE IN CU-DOPED Sr4Si3O8Cl4. Radiation Protection Dosimetry, 2018, 181, 135-141.	0.4	1
28	Sensitization of Nd3+ near infrared emission in Ca2PO4Cl host. Journal of Luminescence, 2018, 197, 1-6.	1.5	22
29	NIR emitting phosphors based on PbMoO4 for modification of solar spectrum. Journal of Luminescence, 2018, 196, 259-263.	1.5	11
30	NIR emission in Ba2SiO4:Eu2+, Nd3+ phosphors with near UV/violet excitation. Journal of Alloys and Compounds, 2018, 743, 789-794.	2.8	17
31	NIR emitting K2SrCl4:Eu2+, Nd3+ phosphor as a spectral converter for CIGS solar cell. Optical Materials, 2018, 79, 470-474.	1.7	7
32	PHOTOLUMINESCENCE, THERMOLUMINESCENCE AND OPTICALLY STIMULATED LUMINESCENCE STUDIES IN ZINC-BASED FLUOROPERVOSKITES. Radiation Protection Dosimetry, 2018, 179, 37-42.	0.4	1
33	KCl.SrCl2:Eu2+,Nd3+ phosphor for possible application in solar photovoltaics. Journal of Luminescence, 2018, 199, 78-81.	1.5	9
34	Host sensitized NIR emission in rare-earth doped NaY(MoO4)2 phosphors. Journal of Alloys and Compounds, 2018, 732, 64-69.	2.8	27
35	Synthesis and characterization of KCe(PO₃)₄ doped with some lanthanide activators. Luminescence, 2018, 33, 356-363.	1.5	2
36	NIR emitting phosphors based on sensitization by molybdate anion. Journal of Luminescence, 2018, 194, 656-660.	1.5	14

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37	Ce3+ and Eu2+ luminescence in calcium and strontium aluminates. Journal of Materials Science: Materials in Electronics, 2018, 29, 4466-4477.	1.1	8
38	Preliminary results on the photoluminescence and optically stimulated luminescence in Cuâ€doped and Agâ€doped ZnB₂X₄ (BÂ=ÂLi, Na, K: XÂ=ÂCl, Br) compounds. Luminescence, 2018, 33, 97-103.	1.5	1
39	Sensitization of nir emission by tetravalent cerium in K2CeO3:Nd,Yb. Journal of Alloys and Compounds, 2018, 763, 159-163.	2.8	8
40	Sensitization of Nd3+ by 4f-5d transition of Ce3+ in Ba2Y(BO3)2Cl phosphor for the prospective NIR applications. Journal of Luminescence, 2018, 202, 1-6.	1.5	23
41	Luminescence in Ca10(PO4)6O:Eu2+,Nd3+. Optical Materials, 2018, 84, 324-329.	1.7	5
42	Metal Quinolates as Phosphors for PC-LED Applications. Journal of Fluorescence, 2017, 27, 967-972.	1.3	4
43	Synthesis and comparative study of Ce3+ ion in calcium aluminates. Journal of Sol-Gel Science and Technology, 2017, 82, 344-351.	1.1	12
44	Dielectric relaxation and electric modulus of polyvinyl alcoholâ€“Zinc oxide composite films. Materials Research Express, 2017, 4, 055302.	0.8	32
45	Luminescence of Ce 3+ in some compounds in the system CaO-SiO 2 -CaCl 2. Journal of Luminescence, 2017, 188, 168-171.	1.5	2
46	Optically stimulated luminescence study in rare earth doped SrBPO 5. Applied Radiation and Isotopes, 2017, 127, 209-213.	0.7	6
47	Sensitization of Yb 3+ emission in CaYAl 3 O 7 host. Optical Materials, 2017, 64, 217-223.	1.7	24
48	Effect of Si codoping on thermoluminescence properties of undoped and RE (RE:Ce/Tb/Pr/Eu/Yb/Nd) doped YAG phosphor under UV, and Î³-ray irradiation. Optical Materials, 2017, 73, 799-804.	1.7	2
49	dâ€“f luminescence of Ce3+ and Eu2+ ions in BaAl2O4, SrAl2O4 and CaAl2O4 phosphors. Journal of Advanced Ceramics, 2017, 6, 341-350.	8.9	50
50	NIR Emission and Eu 2+ Nd 3+ Energy Transfer in KSrCl 3 :Eu 2+ , Nd 3+ phosphor. Materials Today: Proceedings, 2017, 4, 12582-12585.	0.9	3
51	Optically stimulated luminescence in doped K3Na(SO4)2 phosphors. Radiation Measurements, 2016, 93, 20-27.	0.7	6
52	NIR emission and Ce 3+ â€“Nd 3+ energy transfer in LaCaAl 3 O 7 phosphor prepared by combustion synthesis. Journal of Luminescence, 2016, 179, 350-354.	1.5	11
53	Effect of Al3+ co-doping on the luminescence properties of Cu doped Na2SiF6. Applied Radiation and Isotopes, 2016, 116, 57-62.	0.7	1
54	Luminescence in LiCaAlF6:Eu,La phosphor. Journal of Luminescence, 2016, 178, 446-450.	1.5	11

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55	Photoluminescence study of rare earth doped Yttrium aluminum garnetâ€"YAG:RE (RE: Eu3+, Pr3+ and) Tj ETQq1 1 0.784314 rgBT /Ov	1.4	9
56	Phase dependent TLâ€"OSL studies in various phases of chemically synthesized Cu doped crystalline SiO2. Journal of Luminescence, 2016, 171, 72-78.	1.5	5
57	Near infrared emission and energy transfer in Eu2+ - Nd3+ co-doped Ca2BO3Cl. Optical Materials, 2016, 55, 44-48.	1.7	19
58	Thermoluminescence and optically stimulated luminescence in various phases of doped Na₂SO₄. Phase Transitions, 2016, 89, 202-210.	0.6	2
59	Optically stimulated luminescence in doped NaF. Applied Radiation and Isotopes, 2016, 111, 75-79.	0.7	5
60	Wet chemical synthesis of KMgF 3 phosphors. Journal of Alloys and Compounds, 2016, 657, 848-854.	2.8	11
61	A new highly sensitive low-ZLiF-based OSL phosphor for radiation dosimetry. Radiation Protection Dosimetry, 2016, 168, 465-470.	0.4	5
62	Na2SiF6:Cu,P: A new OSL phosphor for the radiation dosimetric applications. Radiation Protection Dosimetry, 2015, 163, 439-445.	0.4	18
63	Wet chemical synthesis of Ce3+ activated fluoro-elpasolite and related fluoro-aluminate phosphors. Optical Materials, 2015, 50, 256-262.	1.7	6
64	Effect of co-doping on luminescence of LiCaAlF6:Eu phosphor. Journal of Luminescence, 2015, 167, 80-84.	1.5	16
65	Synthesis and TLâ€"OSL studies in Cu activated lithium silicate. Radiation Measurements, 2015, 77, 18-25.	0.7	4
66	Optically stimulated luminescence studies in combustion synthesized Al2O3:C,Cu,P. Applied Radiation and Isotopes, 2015, 104, 212-216.	0.7	3
67	Highly sensitive Europium doped SrSO4 OSL nanophosphor for radiation dosimetry applications. Optical Materials, 2015, 48, 185-189.	1.7	26
68	Synthesis, characterization and optical properties of Y3Al5O12:Ce phosphor by mixed fuel combustion synthesis. Journal of Alloys and Compounds, 2015, 650, 858-862.	2.8	26
69	Optically stimulated luminescence in Cu+ doped lithium orthophosphate. Physica B: Condensed Matter, 2015, 458, 117-123.	1.3	17
70	Discrimination of Aerosol Types and Validation of MODIS Aerosol and Water Vapour Products Using a Sun Photometer over Central India. Aerosol and Air Quality Research, 2015, 15, 682-693.	0.9	16
71	Wet chemical synthesis of Eu2+ activated fluoro-elpasolite phosphors. Journal of Alloys and Compounds, 2014, 599, 49-52.	2.8	11
72	Optically stimulated luminescence from CaSO4:Eu â€" Preliminary results. Radiation Measurements, 2014, 71, 95-98.	0.7	33

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73	Effect of Li 4 P 2 O 7 and Li 2 Cu 2 P 6 O 18 minor phases on the luminescent properties of Cu + doped Li 3 PO 4. Journal of Luminescence, 2014, 156, 25-29.	1.5	10
74	Development of Ag doped crystalline SiO2 for possible applications inÂreal-time in-vivo OSL dosimetry. Radiation Measurements, 2014, 71, 208-211.	0.7	11
75	Blue emitting KSCN:xCe phosphor for solid state lighting. Journal of Luminescence, 2014, 145, 729-732.	1.5	11
76	SrO:U6+ green light emitting phosphor. Journal of Luminescence, 2014, 153, 304-306.	1.5	10
77	Effect of Chip Wavelength and Particle Size on the Performance of Two Phosphor Coated W-LEDs. Transactions on Electrical and Electronic Materials, 2014, 15, 66-68.	1.0	4
78	Improved White Light Emitting Diode Characteristics by Coating GdAG:Ce Phosphor. Transactions on Electrical and Electronic Materials, 2014, 15, 69-72.	1.0	5
79	Optically stimulated luminescence and thermoluminescence in some Cu+ doped alkali fluoro-silicates. Radiation Measurements, 2013, 59, 73-80.	0.7	14
80	Luminescence of Yb2+ in RbCaCl3. Journal of Luminescence, 2013, 134, 456-458.	1.5	13
81	Luminescence of some 3d activators in RbCaCl3. Journal of Luminescence, 2013, 136, 365-368.	1.5	8
82	Two phosphor converted white LED with improved CRI. Journal of Luminescence, 2013, 136, 1-4.	1.5	63
83	Luminescence properties of red emitting phosphor NaSrBO3:Eu3+ prepared with novel combustion synthesis method. Journal of Luminescence, 2013, 142, 180-183.	1.5	77
84	Wet chemical synthesis of LiBaF3 phosphor. Journal of Alloys and Compounds, 2013, 579, 165-168.	2.8	6
85	Eu2+ activated RbClâ€“MgCl2 phosphors for solid state lighting. Optical Materials, 2013, 35, 1243-1246.	1.7	5
86	Persistent luminescence in Ca8Zn(SiO4)4Cl2:Eu2+. Journal of Luminescence, 2012, 132, 2799-2801.	1.5	16
87	Nanostructured MIEC Ba0.5Sr0.5Co0.6Fe0.4O3â^Î´ (BSCF5564) cathode for IT-SOFC by nitric acid aided EDTAâ€“citric acid complexing process (NECC). International Journal of Hydrogen Energy, 2012, 37, 5208-5215.	3.8	17
88	A comparative study of copper-cermet anode material synthesized by different technique. International Journal of Hydrogen Energy, 2012, 37, 6853-6861.	3.8	15
89	Synthesis and luminescence in some fluoro-silicates for the possible applications in OSL dosimetry. Physica B: Condensed Matter, 2012, 407, 629-634.	1.3	12
90	Solid state metathesis of CaSO4:Eu2+ phosphor. Journal of Luminescence, 2012, 132, 342-344.	1.5	7

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91	Synthesis and luminescence of La2BaZnO5 phosphors. Journal of Luminescence, 2012, 132, 1112-1115.	1.5	10
92	A new precipitation based method for preparation of metasilicate phosphors. Journal of Alloys and Compounds, 2011, 509, 8742-8747.	2.8	6
93	Preparation of CaF2 based phosphors by solid state metathesis. Physica B: Condensed Matter, 2011, 406, 45-47.	1.3	7
94	Blue-shifted photoluminescence of Alq3 dispersed in PMMA. Bulletin of Materials Science, 2011, 34, 1649-1651.	0.8	12
95	Combustion synthesis of YAG:Ce and related phosphors. Applied Physics B: Lasers and Optics, 2011, 105, 479-484.	1.1	43
96	Luminescence in LiCaPO4. Physica B: Condensed Matter, 2011, 406, 1178-1181.	1.3	24
97	Luminescence in Ca1â^'xYxF2+x. Physica B: Condensed Matter, 2011, 406, 1308-1311.	1.3	8
98	Luminescence of Ce3+ in hydrated rare earth bromides. Journal of Luminescence, 2011, 131, 2499-2502.	1.5	8
99	Synthesis and dosimetric characterization of LiCaPO4:Eu phosphor. Radiation Measurements, 2011, 46, 196-198.	0.7	23
100	One step synthesis and X-ray induced luminescence in RGB PDP phosphors. Advanced Materials Letters, 2011, 2, 331-335.	0.3	1
101	Structural and Optical Behavior of nanoCe₂(SO₄)₃, CeF₃ and CePO₄:Tb³⁺ Composites Embedded in PVOH Matrix. Advanced Materials Research, 0, 748, 117-122.	0.3	2