

Shreeniwas K Omanwar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Improvement of quantum efficiency through Gd ³⁺ to Eu ³⁺ energy transfer in YF ₃ phosphor. Luminescence, 2021, 36, 1395-1401.	1.5	8
2	Photoluminescence and Energy Transfer Study of Sr ₃ Y _{0.96} (BO ₃) ₃ :0.02 Ce ³⁺ 0.02 Mn ²⁺ Phosphor for WLED Application. Macromolecular Symposia, 2020, 393, 2000011.	0.4	0
3	Ce ³⁺ luminescence in barium thiocyanate host. AIP Conference Proceedings, 2019, , .	0.3	0
4	Synthesis and luminescence properties of novel NaSCN: xCe ³⁺ phosphor. Journal of Asian Ceramic Societies, 2019, 7, 350-354.	1.0	2
5	SrB ₄ O ₇ :Sm ²⁺ phosphor for solar photovoltaics. AIP Conference Proceedings, 2019, , .	0.3	2
6	Blue Luminescent Phosphor Sr ₃ Y _{1-x} (BO ₃) ₃ :X Bi ³⁺ for WLED Applications. Macromolecular Symposia, 2019, 387, 1800184.	0.4	3
7	Combustion synthesis and luminescence properties of Dy (III) activated NaBaBO ₃ phosphor for solid state lighting applications. AIP Conference Proceedings, 2019, , .	0.3	0
8	Photo-luminescence study of red borate phosphor Sr ₃ Y _{1-x} (BO ₃) ₃ :xEu ³⁺ . AIP Conference Proceedings, 2019, , .	0.3	1
9	Cr ³⁺ sensitized near infrared emission in Al ₂ O ₃ :Cr,Nd/Yb phosphors. Journal of Alloys and Compounds, 2019, 790, 1192-1200.	2.8	22
10	Broad Band excited NIR emission in Li ₂ CeO ₃ :Nd/Yb phosphor for modification of solar spectrum. Journal of Alloys and Compounds, 2019, 771, 534-540.	2.8	10
11	Synthesis and preliminary OSL studies of Ce ³⁺ activated calcium sulfate (CaSO ₄) for radiation dosimetry. Journal of Materials Science: Materials in Electronics, 2018, 29, 7388-7392.	1.1	7
12	Comparative study of nano-sized Al ₂ O ₃ powder synthesized by sol-gel (citric and stearic acid) and aldo-keto gel method. Optik, 2018, 158, 1248-1254.	1.4	9
13	NIR emitting K ₂ SrCl ₄ :Eu ²⁺ , Nd ³⁺ phosphor as a spectral converter for CIGS solar cell. Optical Materials, 2018, 79, 470-474.	1.7	7
14	Photoluminescence properties of K ₂ SrPO ₄ :Sm ³⁺ phosphor for SSL applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 541-545.	1.1	7
15	Spectral and thermoluminescence characteristics of high gamma dose irradiated Dy:LiKB ₄ O ₇ single crystals. Nuclear Instruments & Methods in Physics Research B, 2018, 436, 203-210.	0.6	4
16	Morphological and photoluminescence study of NaSrB ₅ O ₉ : Tb ³⁺ nanocrystalline phosphor. Journal of Asian Ceramic Societies, 2018, 6, 359-367.	1.0	15
17	Near-infrared emitting Ca ₅ (PO ₄) ₃ Cl:Eu ²⁺ ,Nd ³⁺ phosphor for modification of the solar spectrum. Luminescence, 2018, 33, 1288-1293.	1.5	10
18	Luminescence properties of europium doped lithium potassium tetraborate (Eu:LiKB ₄ O ₇) single crystal for dosimetry applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 18511-18518.	1.1	4

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19	Thermoluminescence characteristics of biological tissue equivalent single crystal: europium doped lithium tetraborate for dosimetry applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14427-14434.	1.1	6
20	Luminescence in Ca ₁₀ (PO ₄) ₆ O:Eu ²⁺ ,Nd ³⁺ . <i>Optical Materials</i> , 2018, 84, 324-329.	1.7	5
21	Synthesis and luminescence studies of Eu (III) doped Sr ₂ P ₂ O ₇ phosphor for white LED applications. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	4
22	Li ₃ PO ₄ : M (M=Tb, Cu) phosphors for radiation dosimetry. <i>Rare Metals</i> , 2017, 36, 758-763.	3.6	5
23	Red and blue emitting borate phosphor excited by near Ultraviolet Light. <i>Journal of Optics (India)</i> , 2017, 46, 91-94.	0.8	6
24	Study of energy transfer and spectral downshifting in Ce, RE (RE = Nd and Yb) co-doped lanthanum phosphate. <i>Chemical Physics</i> , 2017, 485-486, 9-12.	0.9	12
25	Synthesis and preliminary OSL studies of NaCaPO ₄ :Ce phosphor for radiation dosimetry. <i>Research on Chemical Intermediates</i> , 2017, 43, 4043-4050.	1.3	6
26	Synthesis and photoluminescence study of narrow-band UVB-emitting LiSr ₄ (BO ₃) ₃ :Gd ³⁺ , Pr ³⁺ phosphor. <i>Bulletin of Materials Science</i> , 2017, 40, 1-6.	0.8	35
27	Synthesis and photoluminescence properties of Eu doped LiBaPO ₄ phosphors for solid state lighting. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 8777-8783.	1.1	6
28	Optical properties of one dimensional hybrid PVA/YVO ₄ :Eu ³⁺ nanofibers synthesized by electrospinning. <i>Optik</i> , 2017, 140, 211-215.	1.4	5
29	Ultra-violet to visible quantum cutting in YPO ₄ : Gd ³⁺ , Tb ³⁺ phosphor via down conversion. <i>Materials Discovery</i> , 2017, 7, 15-20.	3.3	10
30	Spectral downshifting in MBO ₃ :Nd ³⁺ (M=Y, La) phosphor. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	5
31	Visible quantum cutting in green-emitting BaF ₂ : Gd ³⁺ , Tb ³⁺ phosphor: An approach toward mercury-free lamps. <i>St Petersburg Polytechnical University Journal Physics and Mathematics</i> , 2017, 3, 218-224.	0.3	3
32	Fabrication of polycaprolactone/zirconia nanofiber scaffolds using electrospinning technique. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	15
33	Microwave-assisted synthesis and photoluminescence properties of ZnS:Pb^{2+} ZnS:Pb ²⁺ + nanophosphor for solid-state lighting. <i>Bulletin of Materials Science</i> , 2017, 40, 1441-1445.	0.8	3
34	Synthesis and energy transfer from Dy ³⁺ to Sm ³⁺ in Halosulphate phosphor for solid state lighting. <i>Optik</i> , 2017, 144, 416-421.	1.4	4
35	Combustion synthesis and photoluminescence study of UV emitting LaBa ₉ O ₁₆ phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7643-7649.	1.1	4
36	Eu ³⁺ doped N-UV emitting LiSrPO ₄ phosphor for W-LED application. <i>Optik</i> , 2017, 130, 149-153.	1.4	14

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37	Near-infrared downconversion in Ce ³⁺ /Yb ³⁺ co-doped YAG. Journal of Materials Science: Materials in Electronics, 2017, 28, 142-147.	1.1	8
38	A novel Li ₂ Al ₂ B ₂ O ₇ :Dy ³⁺ white light emitting phosphor synthesized by stearic sol-gel method. Journal of Materials Science: Materials in Electronics, 2017, 28, 994-998.	1.1	9
39	Synthesis and photoluminescence properties of Eu ²⁺ doped CaS and SrS phosphor for phosphor converted white light emitting diodes. Journal of Materials Science: Materials in Electronics, 2017, 28, 915-922.	1.1	6
40	Visible quantum cutting in Tb ³⁺ doped BaGdF ₅ phosphor for plasma display panel. Journal of Materials Science: Materials in Electronics, 2017, 28, 2407-2414.	1.1	14
41	Near-infrared DC approach by Bi ³⁺ /Yb ³⁺ co-doped YAG phosphor. Research on Chemical Intermediates, 2017, 43, 693-702.	1.3	14
42	Combustion synthesis and superior photo-luminescence from rare earth doped (Eu, Tb) lanthanum borates phosphors for display. Journal of Materials Science: Materials in Electronics, 2016, 27, 10735-10741.	1.1	5
43	Synthesis and TL/OSL properties of a novel high-sensitive blue-emitting LiSrPO ₄ :Eu ²⁺ phosphor for radiation dosimetry. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	12
44	Spectral downshifting from blue to near infrared region in Ce ³⁺ -Nd ³⁺ co-doped YAG phosphor. Infrared Physics and Technology, 2016, 77, 480-484.	1.3	13
45	Near-infrared spectral downshifting in Sr _{3-x} (VO ₄) ₂ : x Nd ³⁺ phosphor. Bulletin of Materials Science, 2016, 39, 1625-1629.	0.8	5
46	Study of optical properties of cerium ion doped barium aluminate phosphor. AIP Conference Proceedings, 2016, , .	0.3	0
47	Synthesis and photoluminescence properties of LiSrPO ₄ :Eu ²⁺ phosphor for solid state lighting. AIP Conference Proceedings, 2016, , .	0.3	4
48	Synthesis and luminescence properties of K ₂ SrPO ₄ :Eu ²⁺ phosphor for radiation dosimetry. AIP Conference Proceedings, 2016, , .	0.3	9
49	Study of photoluminescence properties of CaAl ₂ O ₄ : Eu ²⁺ prepared by combustion synthesis method. AIP Conference Proceedings, 2016, , .	0.3	0
50	Synthesis and photoluminescence properties of Pb ²⁺ doped inorganic borate phosphor NaSr ₄ (BO ₃) ₃ . AIP Conference Proceedings, 2016, , .	0.3	1
51	Luminescence properties of terbium-doped Li ₃ PO ₄ phosphor for radiation dosimetry. Bulletin of Materials Science, 2016, 39, 1619-1623.	0.8	12
52	Synthesis and TL/OSL properties of CaSiO ₃ :Ce biomaterial. Materials Letters, 2016, 175, 288-290.	1.3	25
53	Downconversion from ultra violet to near infrared region in novel Yb ³⁺ doped LiSrVO ₄ phosphor. Journal of Alloys and Compounds, 2016, 686, 287-291.	2.8	24
54	Synthesis and photoluminescence properties of NaCaPO ₄ :Eu ²⁺ phosphor for solid state lighting. Optik, 2016, 127, 6204-6209.	1.4	14

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55	Narrow band UVB emitting phosphor LaPO ₄ :Gd ³⁺ for phototherapy lamp. <i>Optik</i> , 2016, 127, 6647-6652.	1.4	51
56	A novel TL/OSL MCaPO ₄ :Ce (M = Li, k) phosphor for radiation dosimetry. <i>Optik</i> , 2016, 127, 7137-7142.	1.4	10
57	Synthesis and luminescence studies of NaSr ₄ (BO ₃) ₃ :Dy ³⁺ phosphors. <i>Optik</i> , 2016, 127, 6062-6065.	1.4	10
58	TL/OSL Properties of Green Emitting LiMgPO ₄ :Tb ³⁺ , B (LMPTB) Phosphor for Radiation Dosimetry. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 845-854.	1.9	13
59	Synthesis and thermoluminescence/optically stimulated luminescence properties of CaB ₄ O ₇ :Ce phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5600-5606.	1.1	16
60	Synthesis and preliminary TL/OSL properties of Li ₂ B ₄ O ₇ : Cu-Ag phosphor for radiation dosimetry. <i>Optik</i> , 2016, 127, 6419-6423.	1.4	7
61	A novel high sensitivity KCaPO ₄ :Ce ³⁺ phosphor for radiation dosimetry. <i>Research on Chemical Intermediates</i> , 2016, 42, 7637-7649.	1.3	10
62	Synthesis and fluorescence properties of Ca ₂ SiO ₄ :Dy ³⁺ phosphor for solid state lighting application. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9286-9290.	1.1	10
63	Effect of partial replacement of Gd ³⁺ ion on photoluminescence properties of YVO ₄ :Yb ³⁺ phosphor. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	3
64	Converted white light emitting diodes from Ce ³⁺ doping of alkali earth sulfide phosphors. <i>Materials Discovery</i> , 2016, 4, 1-7.	3.3	9
65	NUV excited luminescence of Eu ³⁺ doped inorganic NaCa _{0.5} Al ₂ B ₂ O ₇ phosphor via slow evaporation technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9335-9340.	1.1	2
66	Synthesis and photoluminescence properties of near-UV pumped novel Sm ³⁺ doped $\hat{\Gamma}^2$ -LiAlSiO ₄ phosphor for red-orange LEDs. <i>Journal of Alloys and Compounds</i> , 2016, 689, 992-997.	2.8	15
67	Synthesis and luminescence properties of Tb ³⁺ -doped LiMgPO ₄ phosphor. <i>Bulletin of Materials Science</i> , 2016, 39, 1157-1163.	0.8	26
68	Standard approach for energy transfer scheme and tunable emission for white light-emitting diodes (W-LEDs). <i>International Journal of Modern Physics B</i> , 2016, 30, 1650179.	1.0	0
69	Combustion synthesis and luminescence studies of Eu (III) activated LiBaBO ₃ inorganic phosphor. <i>Optik</i> , 2016, 127, 9679-9682.	1.4	2
70	A Novel Gd ³⁺ +Pb ²⁺ Doped LiSrPO ₄ Phosphor for Phototherapy Lamp Applications. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 1023-1027.	1.9	13
71	Slow evaporation method and enhancement in photoluminescence properties of YPO ₄ : Eu ³⁺ co-doped with Bi ³⁺ ions. <i>Bulletin of Materials Science</i> , 2016, 39, 1127-1132.	0.8	5
72	Near-infrared photoluminescence in La _{0.98} AlO ₃ : 0.02Ln ³⁺ (Ln = Nd/Yb) for sensitization of c-Si solar cells. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	5

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73	Effect of synthesis methods on luminescence properties of LiCaPO ₄ :Ce phosphor for radiation dosimetry. Journal of Luminescence, 2016, 178, 340-346.	1.5	21
74	Near-infrared downconversion in Y(1 $\hat{\lambda}$)Yb VO ₄ for sensitization of c-Si solar cells. Optik, 2016, 127, 4375-4378.	1.4	12
75	Combustion synthesis of narrow-band UVB emitting borate phosphors LaB ₃ O ₆ :Bi,Gd and YBaB ₉ O ₁₆ :Bi,Gd for phototherapy applications. Optik, 2016, 127, 3925-3927.	1.4	16
76	Facile combustion-derived LaPO ₄ :Eu ³⁺ nanosystem and its photoluminescence properties. Indian Journal of Physics, 2016, 90, 49-56.	0.9	5
77	A novel KMgPO ₄ :Tb ³⁺ (KMPT) phosphor for radiation dosimetry. Journal of Luminescence, 2016, 176, 106-111.	1.5	34
78	Preliminary results on effect of boron co-doping on CW-OSL and TL properties of LiMgPO ₄ : Tb, B. Journal of Luminescence, 2016, 175, 9-15.	1.5	42
79	Combustion synthesis and photoluminescence in novel red emitting yttrium gadolinium pyrosilicate nanocrystalline phosphor. Journal of Alloys and Compounds, 2016, 672, 653-659.	2.8	11
80	Luminescence optimization with color purity (orange to red) by increasing Gd ³⁺ ions in Eu ³⁺ doped phosphate synthesized by slow evaporation method. Journal of Luminescence, 2016, 175, 176-181.	1.5	6
81	Photoluminescence properties of mixed fuel combustion synthesized Ce ³⁺ ions doped Y ₃ Al ₅ O ₁₂ phosphor. Optik, 2016, 127, 5120-5123.	1.4	7
82	Near-infrared quantum cutting in Yb ³⁺ ion doped strontium vanadate. Infrared Physics and Technology, 2016, 76, 271-275.	1.3	17
83	Fluorescence properties and energy transfer investigation of novel Li ₂ Al ₂ B ₂ O ₇ :Ce ³⁺ , Tb ³⁺ phosphors via combustion synthesis. Journal of Materials Science: Materials in Electronics, 2016, 27, 4951-4958.	1.1	12
84	Luminescence properties of Eu ²⁺ doped SrB ₄ O ₇ phosphor for radiation dosimetry. Materials Research Bulletin, 2016, 76, 216-221.	2.7	24
85	Synthesis and thermoluminescence properties of rare earth-doped NaMgBO ₃ phosphor. Environmental Science and Pollution Research, 2016, 23, 9295-9302.	2.7	10
86	Synthesis and Luminescence Studies of CaSO ₄ :Tb ³⁺ Phosphor. Advanced Science Letters, 2016, 22, 164-166.	0.2	1
87	Photoluminescence Study of Rare-Earth Activated Anhydrite Salt CaSO ₄ : RE (RE =) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.2	1
88	On the Eu ²⁺ luminescence in some perovskite fluorides. AIP Conference Proceedings, 2015, , .	0.3	1
89	Synthesis of thermoluminescence $\hat{\pm}$ -Ca ₂ P ₂ O ₇ :Eu ³⁺ bio-nanomaterial. Materials Letters, 2015, 158, 143-146.	1.3	26
90	Elementary results on the dosimetric properties of SrSO ₄ :Eu ²⁺ phosphor. St Petersburg Polytechnical University Journal Physics and Mathematics, 2015, 1, 410-416.	0.3	1

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91	Effect of calcination temperature on structural and optical properties of europium (III) doped SrO ϵ Y ₂ O ₃ phosphor. Journal of Materials Science: Materials in Electronics, 2015, 26, 2748-2753.	1.1	5
92	Dosimetric studies in combustion synthesized LiSr ₄ (BO ₃) ₃ :Sm (III) under X-ray irradiation. Journal of the Chinese Advanced Materials Society, 2015, 3, 128-136.	0.7	1
93	Combustion synthesis and optimization of Tb ³⁺ -doped AZr ₂ (PO ₄) ₃ (A ⁺ = Li, Na, K) phosphors for mercury-free lamp and plasma display panels application. Journal of the Chinese Advanced Materials Society, 2015, 3, 300-309.	0.7	2
94	Fluorescence properties of Tb ³⁺ and Sm ³⁺ activated novel LiAl ₇ B ₄ O ₁₇ host via solution combustion synthesis. Materials Research Bulletin, 2015, 72, 215-219.	2.7	18
95	Low-temperature stearic acid sol-gel synthesis of ϵ -Al ₂ O ₃ quantum dots and its optical properties. Journal of Sol-Gel Science and Technology, 2015, 75, 1-5.	1.1	18
96	Synthesis and effect of partially replacement of Y ³⁺ to La ³⁺ -ions on their photoluminescence properties of (Y _{1-x} La _x)PO ₄ :Eu ³⁺ phosphor. Electronic Materials Letters, 2015, 11, 303-307.	1.0	7
97	PbCaB ₂ O ₅ doped with Eu ³⁺ : A novel red emitting phosphor. Optical Materials, 2015, 45, 91-96.	1.7	8
98	Aldo-keto synthesis effect on Eu ³⁺ fluorescence in YBO ₃ compared with solid state diffusion. Journal of Rare Earths, 2015, 33, 486-490.	2.5	12
99	Synthesis, characterization and photoluminescence in novel lead calcium diborate doped with Mn ²⁺ . Optik, 2015, 126, 4813-4816.	1.4	1
100	Combustion synthesis and preliminary luminescence studies of LiBaPO ₄ : Tb ³⁺ phosphor. Bulletin of Materials Science, 2015, 38, 1527-1531.	0.8	33
101	Eu ³⁺ + Eu ²⁺ reduction in BaAl ₂ B ₂ O ₇ phosphor in oxidizing environment. Optik, 2015, 126, 5030-5032.	1.4	11
102	Combustion Synthesis and Luminescence Properties of ϵ -Ca ₂ P ₂ O ₇ : Eu ³⁺ , Dy ³⁺ . Materials Today: Proceedings, 2015, 2, 4384-4389.	0.9	8
103	Photoluminescence study of a novel UV emitting phosphor Sr ₂ Mg(BO ₃) ₂ :Pb ²⁺ ,Gd ³⁺ . Optical Materials, 2015, 40, 36-40.	1.7	19
104	Effect of partially replacement of Gd ³⁺ ions on fluorescence properties of YBO ₃ :Eu ³⁺ phosphor synthesized via precipitation method. Optical Materials, 2015, 39, 74-80.	1.7	30
105	Combustion synthesis and photoluminescence properties of Eu ³⁺ activated Y ₂ Zr ₂ O ₇ nano phosphor. Indian Journal of Physics, 2015, 89, 295-298.	0.9	16
106	Synthesis and Photoluminescence Study of Bi ³⁺ and Pb ²⁺ Activated Ca ₃ (BO ₃) ₂ . International Journal of Optics, 2014, 2014, 1-6.	0.6	19
107	A Potential Candidate for Lamp Phosphor: Eu ³⁺ Activated K ₂ Y ₂ B ₂ O ₇ . Advances in Optical Technologies, 2014, 2014, 1-5.	0.8	9
108	Photoluminescence Properties of Combustion Synthesized BaB ₂ O ₄ :Pb ²⁺ Phosphor. Combustion Science and Technology, 2014, 186, 1928-1935.	1.2	9

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109	Combustion Synthesis and VUV Photoluminescence Studies of Borate Host Phosphors $YBO_3:RE^{3+}$ ($RE=Eu^{3+}$, Tb^{3+}) for PDPs Applications. Combustion Science and Technology, 2014, 186, 83-89.	1.2	16
110	Combustion synthesis and photoluminescence properties of a novel Eu^{3+} doped lithium alumino-borate phosphor. Journal of Luminescence, 2014, 154, 58-61.	1.5	19
111	Luminescence improvement in Pr^{3+} and Gd^{3+} activated $Sr_2Mg(BO_3)_2$ inorganic phosphor. Materials Research Bulletin, 2014, 60, 285-291.	2.7	25
112	Combustion Synthesis and Energy Transfer Mechanism of Bi^{3+} Gd^{3+} and Pr^{3+} Gd^{3+} in YBO_3 . Combustion Science and Technology, 2014, 186, 785-791.	1.2	18
113	Tb^{3+} optical transitions in novel luminescence host $NaAlO_2$. Journal of Luminescence, 2014, 153, 288-290.	1.5	10
114	Combustion synthesis and optical properties of Oxy-borate phosphors $YCa_4O(BO_3)_3:RE^{3+}$ ($RE=Eu^{3+}$). Journal of Luminescence, 2014, 153, 288-290.	2.8	42
115	Synthesis and enhancement of luminescence intensity by co-doping of M^+ ($M=Li, Na, K$) in Ce^{3+} doped strontium haloborate. Optical Materials, 2014, 36, 1143-1145.	1.7	22
116	Advances in synthesis and characterization of $LiMgBO_3:Dy^{3+}$. Optik, 2014, 125, 4077-4080.	1.4	23
117	Combustion synthesis and luminescence characteristics of $NaSr_4(BO_3)_3:Tb^{3+}$. Journal of Luminescence, 2014, 148, 169-173.	1.5	27
118	Combustion synthesis and luminescent properties of metal yttrium borates $M_3Y_2(BO_3)_4:Eu^{3+}$ ($M=Ba$). Journal of Luminescence, 2014, 148, 169-173.	1.5	10
119	Synthesis and PL study of UV emitting phosphor $KCa_4(BO_3)_3:Pb^{2+}$. Journal of Luminescence, 2014, 149, 200-203.	1.5	19
120	Solution combustion synthesis and optimization of phosphors for plasma display panels. Optical Materials, 2014, 36, 1299-1304.	1.7	10
121	Blue emitting $KSCN:xCe$ phosphor for solid state lighting. Journal of Luminescence, 2014, 145, 729-732.	1.5	11
122	Combustion synthesis and photoluminescence study of novel red phosphor $(Y_{1-x}Ca_x)_2(BO_3)_4:Eu^{3+}$. Journal of Luminescence, 2014, 145, 729-732.	2.8	35
123	Photoluminescence in Pb^{2+} activated SrB_4O_7 and SrB_2O_4 phosphors. Journal of Luminescence, 2014, 149, 236-239.	1.5	21
124	A Comparative Study of Liquefied Petroleum Gas Sensing Performance of Nanostructured SnO_2 . Sensor Letters, 2014, 12, 31-38.	0.4	1
125	Combustion synthesis of borate phosphors for use in plasma display panels and mercury-free fluorescent lamps. International Journal of Self-Propagating High-Temperature Synthesis, 2013, 22, 32-36.	0.2	1
126	Combustion synthesis and characterization of phosphor $KSr_4(BO_3)_3:Dy^{3+}$. Optical Materials, 2013, 35, 1222-1225.	1.7	36

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127	COMBUSTION SYNTHESIS AND CHARACTERIZATION OF NANOCRYSTALLINE ALKALINE EARTH ALUMINATE Sr ₄ Al ₁₄ O ₂₅ :RE(RE = Eu, Dy, Sm). International Journal of Nanoscience, 2013, 12, 1350023.	0.4	4
128	Luminescence properties of red emitting phosphor NaSrBO ₃ :Eu ³⁺ prepared with novel combustion synthesis method. Journal of Luminescence, 2013, 142, 180-183.	1.5	77
129	Synthesis & photoluminescence study of UV emitting borate phosphor Ca ₃ B ₂ O ₆ :Pb ²⁺ . AIP Conference Proceedings, 2013, , .	0.3	9
130	Synthesis and photoluminescence of inorganic borate host red emitting VUV phosphor YCaBO ₄ :Eu ³⁺ . AIP Conference Proceedings, 2013, , .	0.3	7
131	On the application of CaF ₂ :Eu and SrF ₂ :Eu phosphors in LED based phototherapy lamp. , 2013, , .		1
132	LEDs phosphor BaAl ₂ O ₄ : Sm prepared by solution combustion synthesis. AIP Conference Proceedings, 2013, , .	0.3	2
133	Novel inorganic borate host phosphor K ₂ Al ₂ B ₂ O ₇ :Dy ³⁺ for LED based solid state lighting. , 2013, , .		7
134	Synthesis and luminescence characteristics of terbium(III) activated NaSrBO ₃ . Journal of Rare Earths, 2012, 30, 856-859.	2.5	33
135	Combustion synthesis and luminescence characteristic of rare earth activated LiCaBO ₃ . Journal of Rare Earths, 2012, 30, 1005-1008.	2.5	34
136	Synthesis and photoluminescence study of rare earth activated phosphor Na ₂ La ₂ B ₂ O ₇ . Journal of Luminescence, 2012, 132, 2088-2091.	1.5	12
137	Preparation and Characterization of UV Emitting Fluoride Phosphors for Phototherapy Lamps. AIP Conference Proceedings, 2011, , .	0.3	10
138	One step synthesis of Ce ³⁺ activated aluminofluoride powders. Optical Materials, 2009, 31, 668-672.	1.7	15
139	Preparation and characterization of LiAEAlF ₆ :Eu (AE=Mg, Ca, Sr or Ba) phosphors. Journal of Luminescence, 2009, 129, 135-139.	1.5	11
140	Luminescence in LaBaB ₉ O ₁₆ prepared by combustion synthesis. Journal of Luminescence, 2009, 129, 624-628.	1.5	33
141	Synthesis of , and phosphors. Radiation Measurements, 2008, 43, 1191-1197.	0.7	40
142	One step synthesis of complex fluoride powders for solid-state lasers. Journal of Alloys and Compounds, 2008, 464, 296-300.	2.8	11
143	Combustion synthesis of silicate phosphors. Optical Materials, 2007, 29, 1066-1070.	1.7	70
144	Combustion synthesis of narrow UVB emitting rare earth borate phosphors. Optical Materials, 2007, 30, 622-625.	1.7	46

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145	Luminescence characteristics of LiCaAlF ₆ :Eu phosphor. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1561-1566.	0.8	24
146	Combustion synthesis of borate phosphors. Optical Materials, 2007, 29, 1731-1735.	1.7	36
147	TL in halosulphate phosphors prepared by wet chemical method. EPJ Applied Physics, 2007, 39, 39-43.	0.3	18
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