

Shreeniwas K Omanwar

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Combustion synthesis of silicate phosphors. Optical Materials, 2007, 29, 1066-1070.	1.7	70
3	UV-emitting phosphors: synthesis, photoluminescence and applications. Physica Status Solidi A, 2004, 201, 574-581.	1.7	67
4	Narrow band UVB emitting phosphor LaPO ₄ :Gd ³⁺ for phototherapy lamp. Optik, 2016, 127, 6647-6652.	1.4	51
5	Combustion synthesis of narrow UVB emitting rare earth borate phosphors. Optical Materials, 2007, 30, 622-625.	1.7	46
6	Combustion synthesis and optical properties of Oxy-borate phosphors YCa ₄ O(BO ₃) ₃ :RE ³⁺ (RE=Eu ³⁺), Tj ETQq0 0 0 rgBT /Overlock 10 T	2.8	42
7	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
8	Combustion Synthesis of the Zn ₂ SiO ₄ :Mn Phosphor. Physica Status Solidi A, 2002, 191, 272-276.	1.7	41
9	Synthesis of , and phosphors. Radiation Measurements, 2008, 43, 1191-1197.	0.7	40
10	Combustion synthesis of borate phosphors. Optical Materials, 2007, 29, 1731-1735.	1.7	36
11	Combustion synthesis and characterization of phosphor K ₂ Sr ₄ (BO ₃) ₃ :Dy ³⁺ . Optical Materials, 2013, 35, 1222-1225.	1.7	36
12	Combustion synthesis and photoluminescence study of novel red phosphor (Y _{1-x} Ca _x) ₂ (BO ₃) ₃ :Tm ³⁺ , Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302 Td (C	2.8	35
13	Synthesis and photoluminescence study of narrow-band UVB-emitting LiSr ₄ (BO ₃) ₃ :Gd ³⁺ , Pr ³⁺ phosphor. Bulletin of Materials Science, 2017, 40, 1-6.	0.8	35
14	Combustion synthesis and luminescence characteristic of rare earth activated LiCaBO ₃ . Journal of Rare Earths, 2012, 30, 1005-1008.	2.5	34
15	A novel KMgPO ₄ :Tb ³⁺ (KMPT) phosphor for radiation dosimetry. Journal of Luminescence, 2016, 176, 106-111.	1.5	34
16	Luminescence in LaBaB ₉ O ₁₆ prepared by combustion synthesis. Journal of Luminescence, 2009, 129, 624-628.	1.5	33
17	Synthesis and luminescence characteristics of terbium(III) activated NaSrBO ₃ . Journal of Rare Earths, 2012, 30, 856-859.	2.5	33
18	Combustion synthesis and preliminary luminescence studies of LiBaPO ₄ : Tb ³⁺ phosphor. Bulletin of Materials Science, 2015, 38, 1527-1531.	0.8	33

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19	Effect of partially replacement of Gd ³⁺ ions on fluorescence properties of YBO ₃ :Eu ³⁺ phosphor synthesized via precipitation method. <i>Optical Materials</i> , 2015, 39, 74-80.	1.7	30
20	Combustion synthesis and luminescence characteristics of NaSr ₄ (BO ₃) ₃ :Tb ³⁺ . <i>Journal of Luminescence</i> , 2014, 148, 169-173.	1.5	27
21	Synthesis of thermoluminescence $\hat{\pm}$ -Ca ₂ P ₂ O ₇ :Eu ³⁺ bio-nanomaterial. <i>Materials Letters</i> , 2015, 158, 143-146.	1.3	26
22	Synthesis and luminescence properties of Tb ³⁺ -doped LiMgPO ₄ phosphor. <i>Bulletin of Materials Science</i> , 2016, 39, 1157-1163.	0.8	26
23	Luminescence improvement in Pr ³⁺ and Gd ³⁺ activated Sr ₂ Mg(BO ₃) ₂ inorganic phosphor. <i>Materials Research Bulletin</i> , 2014, 60, 285-291.	2.7	25
24	Synthesis and TL/OSL properties of CaSiO ₃ :Ce biomaterial. <i>Materials Letters</i> , 2016, 175, 288-290.	1.3	25
25	Luminescence characteristics of LiCaAlF ₆ :Eu phosphor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1561-1566.	0.8	24
26	Downconversion from ultra violet to near infer red region in novel Yb ³⁺ doped LiSrVO ₄ phosphor. <i>Journal of Alloys and Compounds</i> , 2016, 686, 287-291.	2.8	24
27	Luminescence properties of Eu ²⁺ doped SrB ₄ O ₇ phosphor for radiation dosimetry. <i>Materials Research Bulletin</i> , 2016, 76, 216-221.	2.7	24
28	Advances in synthesis and characterization of LiMgBO ₃ :Dy ³⁺ . <i>Optik</i> , 2014, 125, 4077-4080.	1.4	23
29	Synthesis and enhancement of luminescence intensity by co-doping of M ⁺ (M=Li, Na, K) in Ce ³⁺ doped strontium haloborate. <i>Optical Materials</i> , 2014, 36, 1143-1145.	1.7	22
30	Cr ³⁺ sensitized near infrared emission in Al ₂ O ₃ :Cr,Nd/Yb phosphors. <i>Journal of Alloys and Compounds</i> , 2019, 790, 1192-1200.	2.8	22
31	Photoluminescence in Pb ²⁺ activated SrB ₄ O ₇ and SrB ₂ O ₄ phosphors. <i>Journal of Luminescence</i> , 2014, 149, 236-239.	1.5	21
32	Effect of synthesis methods on luminescence properties of LiCaPO ₄ :Ce phosphor for radiation dosimetry. <i>Journal of Luminescence</i> , 2016, 178, 340-346.	1.5	21
33	Synthesis and Photoluminescence Study of Bi ³⁺ and Pb ²⁺ Activated Ca ₃ (BO ₃) ₂ . <i>International Journal of Optics</i> , 2014, 2014, 1-6.	0.6	19
34	Combustion synthesis and photoluminescence properties of a novel Eu ³⁺ doped lithium alumino-borate phosphor. <i>Journal of Luminescence</i> , 2014, 154, 58-61.	1.5	19
35	Synthesis and PL study of UV emitting phosphor KCa ₄ (BO ₃) ₃ :Pb ²⁺ . <i>Journal of Luminescence</i> , 2014, 149, 200-203.	1.5	19
36	Photoluminescence study of a novel UV emitting phosphor Sr ₂ Mg(BO ₃) ₂ :Pb ²⁺ ,Gd ³⁺ . <i>Optical Materials</i> , 2015, 40, 36-40.	1.7	19

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37	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
38	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
39	Low-temperature stearic acid sol-gel synthesis of β -Al ₂ O ₃ quantum dots and its optical properties. Journal of Sol-Gel Science and Technology, 2015, 75, 1-5.	1.1	18
40	TL in halosulphate phosphors prepared by wet chemical method. EPJ Applied Physics, 2007, 39, 39-43.	0.3	18
41	Near-infrared quantum cutting in Yb ³⁺ ion doped strontium vanadate. Infrared Physics and Technology, 2016, 76, 271-275.	1.3	17
42	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
43	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
44	Synthesis and thermoluminescence/optically stimulated luminescence properties of CaB ₄ O ₇ :Ce phosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 5600-5606.	1.1	16
45	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
46	One step synthesis of Ce ³⁺ activated aluminofluoride powders. Optical Materials, 2009, 31, 668-672.	1.7	15
47	Recent Advances and Opportunities in TLD Materials: A Review. Defect and Diffusion Forum, 0, 347, 75-110.	0.4	15
48	Synthesis and photoluminescence properties of near-UV pumped novel Sm ³⁺ doped β -LiAlSiO ₄ phosphor for red-orange LEDs. Journal of Alloys and Compounds, 2016, 689, 992-997.	2.8	15
49	Fabrication of polycaprolactone/zirconia nanofiber scaffolds using electrospinning technique. Journal of Polymer Research, 2017, 24, 1.	1.2	15
50	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
51	Synthesis and photoluminescence properties of NaCaPO ₄ :Eu ²⁺ phosphor for solid state lighting. Optik, 2016, 127, 6204-6209.	1.4	14
52	Eu ³⁺ doped N-UV emitting LiSrPO ₄ phosphor for W-LED application. Optik, 2017, 130, 149-153.	1.4	14
53	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
54	Near-infrared DC approach by Bi ³⁺ Yb ³⁺ co-doped YAG phosphor. Research on Chemical Intermediates, 2017, 43, 693-702.	1.3	14

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55	Growth of colloids in microcrystalline powders of coloured KCl: particle size dependence. Journal of Physics C: Solid State Physics, 1985, 18, 2615-2621.	1.5	13
56	Spectral downshifting from blue to near infer red region in Ce 3+ -Nd 3+ co-doped YAG phosphor. Infrared Physics and Technology, 2016, 77, 480-484.	1.3	13
57	TL/OSL Properties of Green Emitting LiMgPO ₄ :Tb ³⁺ , B (LMPTB) Phosphor for Radiation Dosimetry. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 845-854.	1.9	13
58	A Novel Gd ³⁺ –Pb ²⁺ Doped LiSrPO ₄ Phosphor for Phototherapy Lamp Applications. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 1023-1027.	1.9	13
59	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
60	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
61	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
62	Luminescence properties of terbium-doped Li ₃ PO ₄ phosphor for radiation dosimetry. Bulletin of Materials Science, 2016, 39, 1619-1623.	0.8	12
63	Near-infrared downconversion in Y(1âˆ“)Yb VO ₄ for sensitization of c-Si solar cells. Optik, 2016, 127, 4375-4378.	1.4	12
64	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
65	Study of energy transfer and spectral downshifting in Ce, RE (RE = Nd and Yb) co-doped lanthanum phosphate. Chemical Physics, 2017, 485-486, 9-12.	0.9	12
66	One step synthesis of complex fluoride powders for solid-state lasers. Journal of Alloys and Compounds, 2008, 464, 296-300.	2.8	11
67	Preparation and characterization of LiAEAlF ₆ :Eu (AE=Mg, Ca, Sr or Ba) phosphors. Journal of Luminescence, 2009, 129, 135-139.	1.5	11
68	Blue emitting KSCN:xCe phosphor for solid state lighting. Journal of Luminescence, 2014, 145, 729-732.	1.5	11
69	Eu ³⁺ â†’ Eu ²⁺ reduction in BaAl ₂ B ₂ O ₇ phosphor in oxidizing environment. Optik, 2015, 126, 5030-5032.	1.4	11
70	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
71	Preparation and Characterization of UV Emitting Fluoride Phosphors for Phototherapy Lamps. AIP Conference Proceedings, 2011, , .	0.3	10
72	Tb ³⁺ optical transitions in novel luminescence host NaAlO ₂ . Journal of Luminescence, 2014, 153, 288-290.	1.5	10

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73	Combustion synthesis and luminescent properties of metal yttrium borates $M_3Y_2(BO_3)_4:Eu^{3+}$ ($M = Ba, Sr$) Tj ETQq _{1.5} 0.784314 rgBT	1.5	10
74	Solution combustion synthesis and optimization of phosphors for plasma display panels. Optical Materials, 2014, 36, 1299-1304.	1.7	10
75	A novel TL/OSL $MCaPO_4:Ce$ ($M = Li, K$) phosphor for radiation dosimetry. Optik, 2016, 127, 7137-7142.	1.4	10
76	Synthesis and luminescence studies of $NaSr_4(BO_3)_3:Dy^{3+}$ phosphors. Optik, 2016, 127, 6062-6065.	1.4	10
77	A novel high sensitivity $KCaPO_4:Ce^{3+}$ phosphor for radiation dosimetry. Research on Chemical Intermediates, 2016, 42, 7637-7649.	1.3	10
78	Synthesis and fluorescence properties of $Ca_2SiO_4:Dy^{3+}$ phosphor for solid state lighting application. Journal of Materials Science: Materials in Electronics, 2016, 27, 9286-9290.	1.1	10
79	Synthesis and thermoluminescence properties of rare earth-doped $NaMgBO_3$ phosphor. Environmental Science and Pollution Research, 2016, 23, 9295-9302.	2.7	10
80	Ultra-violet to visible quantum cutting in $YPO_4:Gd^{3+}, Tb^{3+}$ phosphor via down conversion. Materials Discovery, 2017, 7, 15-20.	3.3	10
81	Near-infrared emitting $Ca_5(PO_4)_3Cl:Eu^{2+}, Nd^{3+}$ phosphor for modification of the solar spectrum. Luminescence, 2018, 33, 1288-1293.	1.5	10
82	Broad Band excited NIR emission in $Li_2CeO_3:Nd/Yb$ phosphor for modification of solar spectrum. Journal of Alloys and Compounds, 2019, 771, 534-540.	2.8	10
83	Synthesis & photoluminescence study of UV emitting borate phosphor $Ca_3B_2O_6:Pb^{2+}$. AIP Conference Proceedings, 2013, , .	0.3	9
84	A Potential Candidate for Lamp Phosphor: Eu^{3+} Activated $K_2Y_2B_2O_7$. Advances in Optical Technologies, 2014, 2014, 1-5.	0.8	9
85	Photoluminescence Properties of Combustion Synthesized $BaB_2O_4:Pb^{2+}$ Phosphor. Combustion Science and Technology, 2014, 186, 1928-1935.	1.2	9
86	Synthesis and luminescence properties of $KSrPO_4:Eu^{2+}$ phosphor for radiation dosimetry. AIP Conference Proceedings, 2016, , .	0.3	9
87	Converted white light emitting diodes from Ce^{3+} doping of alkali earth sulfide phosphors. Materials Discovery, 2016, 4, 1-7.	3.3	9
88	A novel $Li_2Al_2B_2O_7:Dy^{3+}$ white light emitting phosphor synthesized by stearic sol-gel method. Journal of Materials Science: Materials in Electronics, 2017, 28, 994-998.	1.1	9
89	Comparative study of nano-sized Al_2O_3 powder synthesized by sol-gel (citric and stearic acid) and aldo-keto gel method. Optik, 2018, 158, 1248-1254.	1.4	9
90	$PbCa_2B_2O_5$ doped with Eu^{3+} : A novel red emitting phosphor. Optical Materials, 2015, 45, 91-96.	1.7	8

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91	Combustion Synthesis and Luminescence Properties of $\text{Ca}_2\text{P}_2\text{O}_7$: Eu^{3+} , Dy^{3+} . Materials Today: Proceedings, 2015, 2, 4384-4389.	0.9	8
92	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
93	Improvement of quantum efficiency through Gd^{3+} to Eu^{3+} energy transfer in YF_3 phosphor. Luminescence, 2021, 36, 1395-1401.	1.5	8
94	Synthesis and photoluminescence of inorganic borate host red emitting VUV phosphor YCaBO_4 : Eu^{3+} . AIP Conference Proceedings, 2013, , .	0.3	7
95	Novel inorganic borate host phosphor $\text{K}_2\text{Al}_2\text{B}_2\text{O}_7$: Dy^{3+} for LED based solid state lighting. , 2013, , .		7
96	Synthesis and effect of partially replacement of Y^{3+} to La^{3+} -ions on their photoluminescence properties of $(\text{Y}_{1-x}\text{La}_x)\text{PO}_4$: Eu^{3+} phosphor. Electronic Materials Letters, 2015, 11, 303-307.	1.0	7
97	Synthesis and preliminary TL/OSL properties of $\text{Li}_2\text{B}_4\text{O}_7$: Cu - Ag phosphor for radiation dosimetry. Optik, 2016, 127, 6419-6423.	1.4	7
98	Photoluminescence properties of mixed fuel combustion synthesized Ce^{3+} ions doped $\text{Y}_3\text{Al}_5\text{O}_{12}$ phosphor. Optik, 2016, 127, 5120-5123.	1.4	7
99	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
100	NIR emitting K_2SrCl_4 : Eu^{2+} , Nd^{3+} phosphor as a spectral converter for CIGS solar cell. Optical Materials, 2018, 79, 470-474.	1.7	7
101	Photoluminescence properties of KSrPO_4 : Sm^{3+} phosphor for SSL applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 541-545.	1.1	7
102	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
103	Red and blue emitting borate phosphor excited by near Ultraviolet Light. Journal of Optics (India), 2017, 46, 91-94.	0.8	6
104	Synthesis and preliminary OSL studies of NaCaPO_4 : Ce phosphor for radiation dosimetry. Research on Chemical Intermediates, 2017, 43, 4043-4050.	1.3	6
105	Synthesis and photoluminescence properties of Eu doped LiBaPO_4 phosphors for solid state lighting. Journal of Materials Science: Materials in Electronics, 2017, 28, 8777-8783.	1.1	6
106	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
107	Thermoluminescence characteristics of biological tissue equivalent single crystal: europium doped lithium tetraborate for dosimetry applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 14427-14434.	1.1	6
108	Effect of calcination temperature on structural and optical properties of europium (III) doped SrO / Y_2O_3 phosphor. Journal of Materials Science: Materials in Electronics, 2015, 26, 2748-2753.	1.1	5

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109	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
110	Near-infrared spectral downshifting in Sr(3 \hat{x})(VO ₄) ₂ : x Nd ³⁺ phosphor. Bulletin of Materials Science, 2016, 39, 1625-1629.	0.8	5
111	Slow evaporation method and enhancement in photoluminescence properties of YPO ₄ : Eu ³⁺ co-doped with Bi ³⁺ ions. Bulletin of Materials Science, 2016, 39, 1127-1132.	0.8	5
112	Near-infrared photoluminescence in La _{0.98} AlO ₃ : 0.02Ln ³⁺ (Ln = Nd/Yb) for sensitization of c-Si solar cells. AIP Conference Proceedings, 2016, , .	0.3	5
113	Facile combustion-derived LaPO ₄ :Eu ³⁺ nanosystem and its photoluminescence properties. Indian Journal of Physics, 2016, 90, 49-56.	0.9	5
114	Li ₃ PO ₄ : M (M=Tb, Cu) phosphors for radiation dosimetry. Rare Metals, 2017, 36, 758-763.	3.6	5
115	Optical properties of one dimensional hybrid PVA/YVO ₄ :Eu ³⁺ nanofibers synthesized by electrospinning. Optik, 2017, 140, 211-215.	1.4	5
116	Spectral downshifting in MBO ₃ :Nd ³⁺ (M=Y, La) phosphor. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	5
117	Luminescence in Ca ₁₀ (PO ₄) ₆ O:Eu ²⁺ ,Nd ³⁺ . Optical Materials, 2018, 84, 324-329.	1.7	5
118	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
119	Synthesis and photoluminescence properties of LiSrPO ₄ :Eu ²⁺ phosphor for solid state lighting. AIP Conference Proceedings, 2016, , .	0.3	4
120	Synthesis and energy transfer from Dy ³⁺ to Sm ³⁺ in Halosulphate phosphor for solid state lighting. Optik, 2017, 144, 416-421.	1.4	4
121	Combustion synthesis and photoluminescence study of UV emitting LaBa ₉ O ₁₆ phosphors. Journal of Materials Science: Materials in Electronics, 2017, 28, 7643-7649.	1.1	4
122	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
123	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
124	Synthesis and luminescence studies of Eu (III) doped Sr ₂ P ₂ O ₇ phosphor for white LED applications. AIP Conference Proceedings, 2018, , .	0.3	4
125	Effect of partial replacement of Gd ³⁺ ion on photoluminescence properties of YVO ₄ :Yb ³⁺ phosphor. Optical and Quantum Electronics, 2016, 48, 1.	1.5	3
126	Visible quantum cutting in green-emitting BaF ₂ : Gd ³⁺ , Tb ³⁺ phosphor: An approach toward mercury-free lamps. St Petersburg Polytechnical University Journal Physics and Mathematics, 2017, 3, 218-224.	0.3	3

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127	Microwave-assisted synthesis and photoluminescence properties of ZnS:Pb^{2+} ZnS:Pb 2 + nanophosphor for solid-state lighting. Bulletin of Materials Science, 2017, 40, 1441-1445.	0.8	3
128	Blue Luminescent Phosphor $\text{Sr}_3\text{Y}_2\text{Al}_2\text{Si}_2\text{O}_{12}:\text{X}$ (BO_3) ₃ :X Bi ³⁺ for WLED Applications. Macromolecular Symposia, 2019, 387, 1800184.	0.4	3
129	LEDs phosphor BaAl_2O_4 :Sm prepared by solution combustion synthesis. AIP Conference Proceedings, 2013, , .	0.3	2
130	Photoluminescence in a Novel Aldo-Keto Synthesized $\text{YPO}_4:\text{Eu}^{3+}$; Nanophosphor. Solid State Phenomena, 0, 222, 179-185.	0.3	2
131	Combustion synthesis and optimization of Tb ³⁺ -doped $\text{AZr}_2(\text{PO}_4)_3(\text{A}^{3+} = \text{Li, Na, K})$ phosphors for mercury-free lamp and plasma display panels application. Journal of the Chinese Advanced Materials Society, 2015, 3, 300-309.	0.7	2
132	NUV excited luminescence of Eu ³⁺ doped inorganic $\text{NaCa}_0.5\text{Al}_2\text{B}_2\text{O}_7$ phosphor via slow evaporation technique. Journal of Materials Science: Materials in Electronics, 2016, 27, 9335-9340.	1.1	2
133	Combustion synthesis and luminescence studies of Eu (III) activated LiBaBO_3 inorganic phosphor. Optik, 2016, 127, 9679-9682.	1.4	2
134	Synthesis and luminescence properties of novel $\text{NaSCN}:\text{xCe}^{3+}$ phosphor. Journal of Asian Ceramic Societies, 2019, 7, 350-354.	1.0	2
135	$\text{SrB}_4\text{O}_7:\text{Sm}^{2+}$ phosphor for solar photovoltaics. AIP Conference Proceedings, 2019, , .	0.3	2
136	A new colour centre in NaCl. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 98, 203-204.	0.9	1
137	Thermoluminescence of Colloidal Centres in NaCl. Physica Status Solidi A, 1986, 96, 211-215.	1.7	1
138	Spontaneous colloid formation in microcrystalline powders of synthetic NaCl in electrodeless discharge: Particle size dependence. Radiation Effects, 1986, 97, 21-28.	0.4	1
139	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
140	On the application of $\text{CaF}_2:\text{Eu}$ and $\text{SrF}_2:\text{Eu}$ phosphors in LED based phototherapy lamp. , 2013, , .		1
141	On the Eu ²⁺ luminescence in some perovskite fluorides. AIP Conference Proceedings, 2015, , .	0.3	1
142	Elementary results on the dosimetric properties of $\text{SrSO}_4:\text{Eu}^{2+}$ phosphor. St Petersburg Polytechnical University Journal Physics and Mathematics, 2015, 1, 410-416.	0.3	1
143	Dosimetric studies in combustion synthesized $\text{LiSr}_4(\text{BO}_3)_3:\text{Sm}$ (III) under X-ray irradiation. Journal of the Chinese Advanced Materials Society, 2015, 3, 128-136.	0.7	1
144	Synthesis, characterization and photoluminescence in novel lead calcium diborate doped with Mn ²⁺ . Optik, 2015, 126, 4813-4816.	1.4	1

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145	Synthesis and photoluminescence properties of Pb ²⁺ doped inorganic borate phosphor NaSr ₄ (BO ₃) ₃ . AIP Conference Proceedings, 2016, , .	0.3	1
146	Photo-luminescence study of red borate phosphor Sr ₃ Y _{1-x} (BO ₃) ₃ :xEu ³⁺ . AIP Conference Proceedings, 2019, , .	0.3	1
147	Synthesis and Luminescence Studies of CaSO ₄ :Tb ³⁺ Phosphor. Advanced Science Letters, 2016, 22, 164-166.	0.2	1
148	Photoluminescence Study of Rare-Earth Activated Anhydrite Salt CaSO ₄ : RE (RE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	0.2	1
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