List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Full-visible-spectrum lighting enabled by an excellent cyan-emitting garnet phosphor. Journal of Materials Chemistry C, 2020, 8, 4934-4943.	2.7	195
2	A broadband cyan-emitting Ca ₂ LuZr ₂ (AlO ₄) ₃ :Ce ³⁺ garnet phosphor for near-ultraviolet-pumped warm-white light-emitting diodes with an improved color rendering index. Journal of Materials Chemistry C, 2020, 8, 1095-1103.	2.7	176
3	Ultra-high color rendering warm-white light-emitting diodes based on an efficient green-emitting garnet phosphor for solid-state lighting. Chemical Engineering Journal, 2021, 405, 126950.	6.6	146
4	Novel Na 3 Sc 2 (PO 4) 3 :Ce 3+ ,Tb 3+ phosphors for white LEDs: Tunable blue-green color emission, high quantum efficiency and excellent thermal stability. Dyes and Pigments, 2018, 151, 81-88.	2.0	142
5	Highly efficient near-UV-excitable Ca ₂ YHf ₂ Al ₃ O ₁₂ :Ce ³⁺ ,Tb ³⁺ green-emitting garnet phosphors with potential application in high color rendering warm-white LEDs. lournal of Materials Chemistry C. 2020, 8, 4408-4420. Highly efficient Ce ³⁺ at Tb ³⁺ energy transfer induced bright narrowband green	2.7	131
6	emissions from garnet-type Ca ₂ YZr ₂ (AlO ₄) ₃ :Ce ³⁺ ,Tb ³⁺ phosphors for white LEDs with high color rendering index. Journal of Materials Chemistry C, 2019, 7,	2.7	110
7	10471-10480. Dy3+/Eu3+ co-doped CsGd(MoO4)2 phosphor with tunable photoluminescence properties for near-UV WLEDs applications. Dyes and Pigments, 2017, 137, 244-255.	2.0	105
8	Novel Mn ⁴⁺ -activated LiLaMgWO ₆ far-red emitting phosphors: high photoluminescence efficiency, good thermal stability, and potential applications in plant cultivation LEDs. RSC Advances, 2018, 8, 27144-27151.	1.7	103
9	Synthesis and photoluminescence properties of novel far-red-emitting BaLaMgNbO ₆ :Mn ⁴⁺ phosphors for plant growth LEDs. RSC Advances, 2018, 8, 28538-28545.	1.7	93
10	Mn4+-activated KLaMgWO6: A new high-efficiency far-red phosphor for indoor plant growth LEDs. Ceramics International, 2019, 45, 4564-4569.	2.3	85
11	Novel highly luminescent double-perovskite Ca2GdSbO6:Eu3+ red phosphors with high color purity for white LEDs: Synthesis, crystal structure, and photoluminescence properties. Journal of Luminescence, 2020, 221, 117105.	1.5	75
12	Novel SrMg ₂ La ₂ W ₂ O ₁₂ :Mn ⁴⁺ far-red phosphors with high quantum efficiency and thermal stability towards applications in indoor plant cultivation LEDs. RSC Advances, 2018, 8, 30191-30200.	1.7	73
13	Novel highly efficient and thermally stable Ca2GdTaO6:Eu3+ red-emitting phosphors with high color purity for UV/blue-excited WLEDs. Journal of Alloys and Compounds, 2019, 804, 93-99.	2.8	73
14	Full-Spectrum White Light-Emitting Diodes Enabled by an Efficient Broadband Green-Emitting CaY ₂ ZrScAl ₃ O ₁₂ :Ce ³⁺ Garnet Phosphor. ACS Applied Materials & Interfaces, 2022, 14, 5643-5652.	4.0	72
15	Mn ⁴⁺ -activated Li ₃ Mg ₂ SbO ₆ as an ultrabright fluoride-free red-emitting phosphor for warm white light-emitting diodes. RSC Advances, 2019, 9, 3429-3435.	1.7	65
16	Double perovskite Ca2LuTaO6:Eu3+ red-emitting phosphors: Synthesis, structure and photoluminescence characteristics. Journal of Alloys and Compounds, 2019, 804, 230-236.	2.8	65
17	Eu ³⁺ ion concentration induced 3D luminescence properties of novel red-emitting Ba ₄ La ₆ (SiO ₄)O:Eu ³⁺ oxyapatite phosphors for versatile applications. Journal of Materials Chemistry C, 2016, 4, 1039-1050.	2.7	63
18	Far-red-emitting double-perovskite CaLaMgSbO ₆ :Mn ⁴⁺ phosphors with high photoluminescence efficiency and thermal stability for indoor plant cultivation LEDs. RSC Advances, 2018, 8, 31666-31672.	1.7	63

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19	Novel SrLaAlO ₄ :Mn ⁴⁺ deep-red emitting phosphors with excellent responsiveness to phytochrome P _{FR} for plant cultivation LEDs: synthesis, photoluminescence properties, and thermal stability. RSC Advances, 2018, 8, 30223-30229.	1.7	60
20	A novel Sm ³⁺ singly doped LiCa ₃ ZnV ₃ O ₁₂ phosphor: a potential luminescent material for multifunctional applications. RSC Advances, 2018, 8, 33403-33413.	1.7	59
21	Facile low-temperature solid-state synthesis of efficient blue-emitting Cs3Cu2I5 powder phosphors for solid-state lighting. Materials Today Chemistry, 2020, 17, 100288.	1.7	53
22	Spectroscopic properties of Eu 3+ :KLa(WO 4) 2 novel red phosphors. Journal of Luminescence, 2016, 170, 547-555.	1.5	51
23	Filling the cyan gap toward full-visible-spectrum LED lighting with Ca2LaHf2Al3O12:Ce3+ broadband green phosphor. Journal of Alloys and Compounds, 2020, 836, 155469.	2.8	50
24	A single-phased warm-white-emitting K3Y(PO4)2:Dy3+,Sm3+ phosphor with tuneable photoluminescence for near-UV-excited white LEDs. Dyes and Pigments, 2018, 157, 72-79.	2.0	49
25	CaYAlO4:Mn4+,Mg2+: An efficient far-red-emitting phosphor for indoor plant growth LEDs. Journal of Alloys and Compounds, 2019, 785, 1198-1205.	2.8	49
26	Novel high color-purity Eu3+-activated Ba3Lu4O9 red-emitting phosphors with high quantum efficiency and good thermal stability for warm white LEDs. Journal of Luminescence, 2019, 209, 156-162.	1.5	49
27	Sol–gel synthesis and photoluminescence analysis of Sm 3+ :NaGd(WO 4) 2 phosphors. Journal of Luminescence, 2016, 170, 743-748.	1.5	48
28	Synthesis, structural and photoluminescence properties of novel orange-red emitting Ba3Y2B6O15:Eu3+ phosphors. Journal of Luminescence, 2019, 208, 75-81.	1.5	48
29	Simultaneously enhanced far-red luminescence and thermal stability in Ca3Al4ZnO10:Mn4+ phosphor via Mg2+ doping for plant growth lighting. Journal of Alloys and Compounds, 2019, 785, 312-319.	2.8	47
30	Deep-red-emitting Ca2LuSbO6:Mn4+ phosphors for plant growth LEDs: Synthesis, crystal structure, and photoluminescence properties. Journal of Alloys and Compounds, 2019, 804, 521-526.	2.8	46
31	Achieving full-visible-spectrum LED lighting via employing an efficient Ce3+-activated cyan phosphor. Materials Today Energy, 2020, 17, 100448.	2.5	46
32	Synthesis and photoluminescence properties of a novel high-efficiency red-emitting Ca2LuSbO6:Eu3+ phosphor for WLEDs. Journal of Luminescence, 2019, 214, 116605.	1.5	44
33	Cyan-emitting Ba3Y2B6O15:Ce3+,Tb3+ phosphor: A potential color converter for near-UV-excited white LEDs. Journal of Luminescence, 2019, 211, 388-393.	1.5	43
34	Synthesis and photoluminescence properties of a new blue-light-excitable red phosphor Ca2LaTaO6:Eu3+ for white LEDs. Journal of Luminescence, 2020, 222, 117173.	1.5	42
35	Synthesis and photoluminescence characteristics of high color purity Ba ₃ Y ₄ O ₉ :Eu ³⁺ red-emitting phosphors with excellent thermal stability for warm W-LED application. RSC Advances, 2018, 8, 32111-32118.	1.7	41
36	Novel Mn ⁴⁺ doped Ca ₂ GdSbO ₆ red–emitting phosphor: A potential color converter for lightâ€emitting diodes. Journal of the American Ceramic Society, 2019, 102, 4730-4736.	1.9	41

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37	Photoluminescence properties of Eu3+:RbGd(WO4)2 red phosphors prepared by sol–gel method. Journal of Luminescence, 2016, 170, 825-834.	1.5	40
38	Thermally stable La ₂ LiSbO ₆ :Mn ⁴⁺ ,Mg ²⁺ far-red emitting phosphors with over 90% internal quantum efficiency for plant growth LEDs. RSC Advances, 2018, 8, 31835-31842.	1.7	40
39	Synthesis, Crystal Structure, and Photoluminescence Characteristics of High-Efficiency Deep-Red Emitting Ba ₂ GdTaO ₆ :Mn ⁴⁺ Phosphors. ACS Omega, 2019, 4, 13474-13480.	1.6	40
40	Crystal structure, photoluminescence properties and thermal stability of BaLu2Si3O10:Eu3+ red-emitting phosphors with high color purity for near-UV-excited white LEDs. Journal of Luminescence, 2019, 215, 116623.	1.5	38
41	Novel Ca2GdTaO6:Mn4+,M (M = Li+, Na+, K+, and Mg2+) red phosphors for plant cultivation light-emitting diodes: Synthesis and luminescence properties. Journal of Luminescence, 2019, 214, 116525.	1.5	38
42	Sol–gel synthesis and characterizations of crystalline NaGd(WO4)2 powder for anisotropic transparent ceramic laser application. Optical Materials, 2013, 35, 740-743.	1.7	37
43	Novel efficient deep-red-emitting Ca2LuTaO6:Mn4+ double-perovskite phosphors for plant growth LEDs. Journal of Luminescence, 2020, 222, 117177.	1.5	36
44	Mn ⁴⁺ -activated BaLaMgSbO ₆ double-perovskite phosphor: a novel high-efficiency far-red-emitting luminescent material for indoor plant growth lighting. RSC Advances, 2019, 9, 3303-3310.	1.7	34
45	Novel far-red-emitting SrGdAlO ₄ :Mn ⁴⁺ phosphors with excellent responsiveness to phytochrome P _{FR} for plant growth lighting. RSC Advances, 2018, 8, 39307-39313.	1.7	33
46	Ce3+-activated CaSr2Al2O6 green-emitting phosphors: Potential application as color converter for warm WLEDs. Journal of Luminescence, 2019, 206, 571-577.	1.5	33
47	Preparation, crystal structure, and photoluminescence properties of high-brightness red-emitting Ca2LuNbO6:Eu3+ double-perovskite phosphors for high-CRI warm-white LEDs. Journal of Luminescence, 2020, 225, 117373.	1.5	33
48	Eu3+-activated Ca2YTaO6 double-perovskite compound: A novel highly efficient red-emitting phosphor for near-UV-excited warm w-LEDs. Journal of Luminescence, 2020, 226, 117408.	1.5	33
49	Photoluminescence properties of novel Sm3+ and Dy3+ co-activated CsGd(WO4)2 phosphors. Journal of Alloys and Compounds, 2015, 637, 350-360.	2.8	32
50	Sol–gel synthesis and photoluminescence studies on colour tuneable Dy3+/Tm3+ co-doped NaGd(WO4)2 phosphor for white light emission. Journal of Luminescence, 2015, 157, 357-364.	1.5	32
51	Optical properties of deep-red-emitting Ca2YTaO6:Mn4+ phosphors for LEDs applications. Optics and Laser Technology, 2020, 130, 106349.	2.2	29
52	Bright red luminescence from Mn4+ ions doped Sr2LuTaO6 double-perovskite phosphors. Journal of Luminescence, 2021, 233, 117901.	1.5	29
53	High-brightness cyan-emitting Eu2+-activated orthophosphate phosphors for near-UV-pumped white LEDs. Journal of Luminescence, 2022, 243, 118640.	1.5	27
54	Novel KGd1â^'(x+y)EuxBiy (W1â^'zMozO4)2 nanocrystalline red phosphors for tricolor white LEDs. Journal of Luminescence, 2013, 134, 244-250.	1.5	25

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55	Novel Eu ³⁺ -activated Ba ₂ Y ₅ B ₅ O ₁₇ red-emitting phosphors for white LEDs: high color purity, high quantum efficiency and excellent thermal stability. RSC Advances, 2018, 8, 23323-23331.	1.7	25
56	Synthesis, energy transfer and photoluminescence properties of thermal-stable multicolour-emitting Ca3Gd(AlO)3(BO3)4:Tb3+,Eu3+ phosphors. Journal of Luminescence, 2018, 204, 386-393.	1.5	25
57	Novel high-efficiency violet-red dual-emitting Lu2GeO5: Bi3+, Eu3+ phosphors for indoor plant growth lighting. Journal of Luminescence, 2019, 214, 116544.	1.5	24
58	Preparation and photoluminescence properties of novel Mn4+ doped Li3Mg2TaO6 red-emitting phosphors. Inorganic Chemistry Communication, 2020, 116, 107903.	1.8	24
59	Using an excellent near-UV-excited cyan-emitting phosphor for enhancing the color rendering index of warm-white LEDs by filling the cyan gap. Materials Today Chemistry, 2021, 20, 100471.	1.7	23
60	Finding an efficient far-red-emitting CaMg2La2W2O12:Mn4+ phosphor toward indoor plant cultivation LED lighting. Materials Today Chemistry, 2021, 21, 100512.	1.7	23
61	Utilizing energy transfer strategy to produce efficient green luminescence in Ca2LuHf2Al3O12:Ce3+,Tb3+ garnet phosphors for high-quality near-UV-pumped warm-white LEDs. Journal of Colloid and Interface Science, 2021, 601, 365-377.	5.0	23
62	Realizing bright blue-red color-tunable emissions from Gd2GeO5:Bi3+,Eu3+ phosphors through energy transfer toward light-emitting diodes. Journal of Luminescence, 2020, 222, 117127.	1.5	22
63	Dazzling Red-Emitting Europium(III) Ion-Doped Ca ₂ LaHf ₂ Al ₃ O ₁₂ Garnet-Type Phosphor Materials with Potential Application in Solid-State White Lighting. Inorganic Chemistry, 2022, 61, 6898-6909.	1.9	22
64	Sol–gel synthesis and luminescent properties of Eu3+:CsGd(WO4)2 red emitting phosphors. Journal of Luminescence, 2014, 146, 458-463.	1.5	21
65	Preparation, characterization, and luminescence properties of double perovskite SrLaMgSbO ₆ :Mn ⁴⁺ far-red emitting phosphors for indoor plant growth lighting. RSC Advances, 2018, 8, 35187-35194.	1.7	21
66	Novel high-efficiency Eu ³⁺ -activated Na ₂ Gd ₂ B ₂ O ₇ red-emitting phosphors with high color purity. RSC Advances, 2018, 8, 32948-32955.	1.7	20
67	Effect of Ca ²⁺ ion co-doping on radiative properties <i>via</i> tuning the local symmetry around the Eu ³⁺ ions in orange red light emitting GdPO ₄ :Eu ³⁺ phosphors. New Journal of Chemistry, 2019, 43, 63-71.	1.4	20
68	A novel efficient Mn4+-activated Ba2YTaO6 far-red emitting phosphor for plant cultivation LEDs: Preparation and photoluminescence properties. Journal of Luminescence, 2020, 228, 117621.	1.5	20
69	SiO2/KGd(WO4)2:Eu3+ composite luminescent nanoparticles: Synthesis and characterization. Materials Chemistry and Physics, 2012, 135, 1115-1121.	2.0	19
70	KCa2Mg2V3O12: A novel efficient rare-earth-free self-activated yellow-emitting phosphor. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 401, 112765.	2.0	19
71	Novel high color purity and thermally stable Eu3+ ions activated Ba2Gd5B5O17 red emitting phosphor for near-UV based WLEDs. Optical Materials, 2018, 84, 312-317.	1.7	18
72	Efficient green-emitting Ca2GdZr2Al3O12:Ce3+,Tb3+ phosphors for near-UV-pumped high-CRI warm-white LEDs. Journal of Luminescence, 2020, 220, 117012.	1.5	18

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73	Bright cyan-to-green color-tunable emissions from Ce3+/Tb3+ co-activated garnet phosphors for high-color-quality solid-state lighting. Materials Today Energy, 2020, 17, 100487.	2.5	18
74	Synthesis and characterization of monoclinic KGd(WO4)2 particles for non-cubic transparent ceramics. Optical Materials, 2013, 35, 753-756.	1.7	17
75	Energy transfer induced color-tunable emissions from Ba2Gd5B5O17:Ce3+/Tb3+ borate phosphors for white LEDs. Journal of Luminescence, 2021, 229, 117685.	1.5	17
76	Synthesis, crystal structure and photoluminescence properties of novel far-red-emitting SrLaZnSbO6:Mn4+ double-perovskite phosphors for plant cultivation LEDs. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 410, 113166.	2.0	16
77	Investigation of structural and luminescent properties of Pr3+ activated CsGd(WO4)2 by sol–gel synthesis. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2013, 178, 762-767.	1.7	15
78	A novel blue-emitting phosphors (CsBaYB6O12:Ce3+): Potential applications in w-LEDs and X-ray phosphors. Journal of Alloys and Compounds, 2021, 873, 159676.	2.8	15
79	Synthesis and characterization of Ca ₃ Lu(GaO) ₃ (BO ₃) ₄ :Ce ³⁺ ,Tb ³⁺ phosphors: tunable-color emissions, energy transfer, and thermal stability. RSC Advances, 2018, 8, 23284-23293.	1.7	14
80	Synthesis and photoluminescence properties of near-UV-excitable cyan-emitting Ca2YHf2Ga3O12:Ce3+ garnet phosphors. Journal of Luminescence, 2020, 227, 117544.	1.5	14
81	Photoluminescence properties of novel Ba ₂ Lu ₅ B ₅ O ₁₇ :Eu ³⁺ red emitting phosphors with high color purity for near-UV excited white light emitting diodes. RSC Advances, 2018, 8. 30396-30403.	1.7	11
82	Enhanced efficiency of luminescence with stoichiometry control in LiGd(W (1â^'x) Mo x O 4) 2 :Eu 3+ red phosphors. Journal of Crystal Growth, 2017, 468, 766-769.	0.7	10
83	Growth, vibrational and luminescence analysis of monoclinic KGd(1â^'x)Prx(WO4)2 (x=0.005, 0.02, 0.05) single crystals. Journal of Crystal Growth, 2013, 362, 319-323.	0.7	9
84	Synthesis, structure, and luminescence characteristics of far-red emitting Mn ⁴⁺ -activated LaScO ₃ perovskite phosphors for plant growth. RSC Advances, 2018, 8, 33035-33041.	1.7	8
85	Blue-light-excitable broadband yellow-emitting CaGd2HfSc(AlO4)3:Ce3+ garnet phosphors for white light-emitting diode devices with improved color rendering index. Materials Today Chemistry, 2022, 23, 100638.	1.7	7
86	One-step low-temperature solid-state synthesis of lead-free cesium copper halide Cs3Cu2Br5 phosphors with bright blue emissions. Materials Today Chemistry, 2022, 23, 100678.	1.7	5
87	Full-spectrum solid-state white lighting with high color rendering index exceeding 96 based on a bright broadband green-emitting phosphor. Applied Materials Today, 2022, 27, 101439.	2.3	5
88	Comparative analysis of LiGd(WO4)2:Eu3+ phosphors derived by sol gel and hydrothermal methods. Journal of Crystal Growth, 2017, 468, 159-161.	0.7	4
89	Novel Ba3Lu4O9:Bi3+,Eu3+ phosphors for white LEDs: Efficient energy transfer, broad near-UV excitation band and green-yellow-orange-red color tunable emissions. Journal of Luminescence, 2021, 238, 118291.	1.5	4
90	An energy transfer strategy for highly luminescent green-emitting Ce3+/Tb3+ codoped Ca2LaHf2Al3O12 garnet phosphors in white light-emitting diodes. Materials Today Chemistry, 2022, 24, 100773.	1.7	2

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91	Synthesis, crystal growth and characterization of Zn0.5Mn0.5Te single crystal grown via the Bridgman technique. CrystEngComm, 2018, 20, 4989-4996.	1.3	1