

How to produce white light in a single-phase host?

Chemical Society Reviews

43, 1372-1386

DOI: [10.1039/c3cs60314h](https://doi.org/10.1039/c3cs60314h)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Microwave synthesis of CaSiO ₃ :(Eu ²⁺ , Dy ³⁺) nanorods and verification on luminescence properties. Journal of Materials Science: Materials in Electronics, 2014, 25, 4774-4778.	1.1	5
2	Synthesis and Luminescence Properties of Blue-Emitting Phosphor Eu ²⁺ -Doped Zinc Fluoro-Phosphate Zn ₂ [PO ₄] ₂ F. Journal of the American Ceramic Society, 2014, 97, 3561-3567.	1.9	5
3	A Single-Phase Emission-Tunable Ca ₅ (PO ₄) ₃ F:Eu ²⁺ , Mn ²⁺ Phosphor with Efficient Energy Transfer for White LEDs. European Journal of Inorganic Chemistry, 2014, 2014, 3387-3392.	1.0	24
4	X-ray analysis and optical studies of Dy ³⁺ doped NaSrB ₅ O ₉ microstructures for white light generation. Journal of Alloys and Compounds, 2014, 615, 719-727.	2.8	50
5	Efficient and tuneable photoluminescent boehmite hybrid nanoplates lacking metal activator centres for single-phase white LEDs. Nature Communications, 2014, 5, 5702.	5.8	146
6	Special Tm ³⁺ transition and white upconversion luminescence in the Yb ³⁺ /Tm ³⁺ co-doped KMnF ₃ . RSC Advances, 2014, 4, 63100-63104.	1.7	4
7	Near-infrared upconversion nanoparticles for bio-applications. Materials Science and Engineering C, 2014, 45, 635-643.	3.8	60
8	Photoluminescence Tuning via Cation Substitution in Oxonitridosilicate Phosphors: DFT Calculations, Different Site Occupations, and Luminescence Mechanisms. Chemistry of Materials, 2014, 26, 2991-3001.	3.2	244
9	Site-sensitive energy transfer modes in Ca ₃ Al ₂ O ₆ :Ce ³⁺ /Tb ³⁺ /Mn ²⁺ phosphors. Dalton Transactions, 2014, 43, 18134-18145.	1.6	65
10	Tunable luminescence of Dy ³⁺ single-doped and Dy ³⁺ /Tm ³⁺ co-doped tungsten borate glasses. Optical Materials, 2014, 38, 108-112.	1.7	33
11	Synthesis and Luminescence Properties of YNbO ₄ :A (A = Eu ³⁺ and/or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 2014, 118, 27516-27524.	1.5	75
12	Processing-dependence and the nature of the blue-shift of Bi ³⁺ -related photoemission in ScVO ₄ at elevated temperatures. Journal of Materials Chemistry C, 2014, 2, 9850-9857.	2.7	53
13	Preparation of Sr ₈ Mg ₁₂ Zn _m Y(PO ₄) ₇ :Eu ²⁺ solid solutions and their luminescence properties. RSC Advances, 2014, 4, 62230-62236.	1.7	10
14	Effects of co-doped Li ⁺ ions on luminescence of CaWO ₄ :Sm ³⁺ nanoparticles. Journal of Materials Science: Materials in Electronics, 2014, 25, 3996-4000.	1.1	14
15	CaGdAlO ₄ :Tb ³⁺ /Eu ³⁺ as promising phosphors for full-color field emission displays. Journal of Materials Chemistry C, 2014, 2, 9924-9933.	2.7	107
16	A novel, warm, white light-emitting phosphor Ca ₂ PO ₄ Cl:Eu ²⁺ , Mn ²⁺ for white LEDs. Journal of Materials Chemistry C, 2014, 2, 7823-7829.	2.7	70
17	Layered rare earth hydroxides (LREHs): synthesis and structure characterization towards multifunctionality. Dalton Transactions, 2014, 43, 10355-10364.	1.6	44
18	Synthesis and luminescence properties of Ca ₈ NaGd(PO ₄) ₆ F ₂ : Eu ²⁺ , Mn ²⁺ for white LEDs. Optical Materials, 2014, 37, 561-566.	1.7	4

#	ARTICLE	IF	CITATIONS
19	Synthesis and characterizations of Dy ³⁺ doped Sr ₃ Al ₂ O ₆ :Eu ²⁺ powder phosphors through citric acid precursor. Journal of Materials Science: Materials in Electronics, 2014, 25, 4434-4438.	1.1	8
20	Novel Self-Activated Zinc Gallogermanate Phosphor: The Origin of its Photoluminescence. Journal of the American Ceramic Society, 2014, 97, 3197-3201.	1.9	28
21	One-pot synthesis of PEG modified BaLuF ₅ :Gd/Yb/Er nanoprobes for dual-modal in vivo upconversion luminescence and X-ray bioimaging. Dalton Transactions, 2014, 43, 13343-13348.	1.6	20
22	A Double Substitution of Mg ²⁺ and Si ⁴⁺ /Ce ⁴⁺ for Al ₍₁₎ ³⁺ and Al ₍₂₎ ³⁺ in Ce ³⁺ -Doped Garnet Phosphor for White LEDs. Inorganic Chemistry, 2014, 53, 7748-7755.	1.9	143
23	Ba ₂ B ₂ O ₅ :Ce ³⁺ : A novel blue emitting phosphor for white LEDs. Materials Research Bulletin, 2014, 60, 679-681.	2.7	7
24	Luminescence Properties and Energy Transfer of Eu/Mn-Coactivated Mg ₂ Al ₄ Si ₅ O ₁₈ as a Potential Phosphor for White-Light LEDs. Inorganic Chemistry, 2014, 53, 11396-11403.	1.9	94
25	Wide-Band Excited YTiTaO ₆ :Eu ³⁺ /Er ³⁺ Phosphors: Structure Refinement, Luminescence Properties, and Energy Transfer Mechanisms. Journal of Physical Chemistry C, 2014, 118, 17983-17991.	1.5	31
26	New Single-Phase, White-Light-Emitting Phosphors Based on Ĩ-Gd ₂ Si ₂ O ₇ for Solid-State Lighting. Journal of Physical Chemistry C, 2014, 118, 18035-18043.	1.5	38
27	Influence of Structural Polymorphs on Tunable White Light Generation from Orange-Red-Emitting BiPO ₄ :Eu ³⁺ Phosphor by Surface Modification. Journal of Physical Chemistry C, 2014, 118, 19308-19314.	1.5	7
28	Recent progress in low-voltage cathodoluminescent materials: synthesis, improvement and emission properties. Chemical Society Reviews, 2014, 43, 7099-7131.	18.7	146
29	Highly efficient Sr ₃ Y ₂ (Si ₃ O ₉) ₂ :Ce ³⁺ , Tb ³⁺ /Mn ²⁺ phosphors for white LEDs: structure refinement, color tuning and energy transfer. RSC Advances, 2014, 4, 40626-40637.	1.7	57
30	Hydrothermal synthesis and luminescence of MWO ₄ :Tb ³⁺ (M = Ca, Sr, Ba) microsphere phosphors. Journal of Materials Science: Materials in Electronics, 2014, 25, 3271-3275.	1.1	14
31	A Highly Efficient White Light (Sr ₃ ,Ca,Ba)(PO ₄) ₃ Cl:Eu ²⁺ , Tb ³⁺ , Mn ²⁺ Phosphor via Dual Energy Transfers for White Light-Emitting Diodes. Inorganic Chemistry, 2014, 53, 3441-3448.	1.9	141
32	Effects of Bi ³⁺ co-doping on luminescence of YPO ₄ :Dy ³⁺ powders. Ceramics International, 2014, 40, 15319-15323.	2.3	24
33	Luminescence properties of Eu ³⁺ -activated SrWO ₄ nanophosphors- Concentration and Annealing effect.. RSC Advances, 2014, , .	1.7	9
34	Luminescent properties of single Dy ³⁺ ions activated Ca ₃ Gd ₇ (PO ₄)(SiO ₄) ₅ O ₂ phosphor. Optical Materials, 2014, 36, 1566-1570.	1.7	34
35	Organic white-light emitting materials. Dyes and Pigments, 2014, 110, 2-27.	2.0	247
37	Microwave-assistant hydrothermal synthesis and luminescence of NaEu(MoO ₄) ₂ :Sm ³⁺ powders. Journal of Materials Science: Materials in Electronics, 2015, 26, 7390-7396.	1.1	7

#	ARTICLE	IF	CITATIONS
38	Controllable photoluminescence by melting-process temperature in SnO-containing glass. Journal of the Ceramic Society of Japan, 2015, 123, 611-614.	0.5	4
40	Tunable and white light emitting AlPO ₄ mesoporous glass by design of inorganic/organic luminescent species. APL Materials, 2015, 3, 046101.	2.2	5
41	Color-tunable Luminescence of YNbO ₄ :Ln ³⁺ (Ln ³⁺ =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 66 European Journal of Inorganic Chemistry, 2015, 2015, 5262-5271.	1.0	17
42	Dy ³⁺ /Ce ³⁺ Codoped YAG Transparent Ceramics for Single-Composition Tunable White-Light Phosphor. Journal of the American Ceramic Society, 2015, 98, 3231-3235.	1.9	21
43	Facile Preparation and Ultrastable Performance of Single-Component White-Light-Emitting Phosphor-in-Glass used for High-Power Warm White LEDs. ACS Applied Materials & Interfaces, 2015, 7, 28122-28127.	4.0	112
44	Tunable Blue-Red Emission and Energy-Transfer Properties of Mg ₃ (PO ₄) ₂ :Eu ²⁺ , Mn ²⁺ Phosphors. European Journal of Inorganic Chemistry, 2015, 2015, 3940-3948.	1.0	14
45	Controllable synthesis of Zn ₂ GeO ₄ :Eu nanocrystals with multi-color emission for white light-emitting diodes. Journal of Materials Chemistry C, 2015, 3, 5419-5429.	2.7	54
46	Strong Energy-Transfer-Induced Enhancement of Luminescence Efficiency of Eu ²⁺ - and Mn ²⁺ -Codoped Gamma-AlON for Near-UV-LED-Pumped Solid State Lighting. Inorganic Chemistry, 2015, 54, 5556-5565.	1.9	51
47	Novel blue and green phosphors obtained from K ₂ ZrSi ₃ O ₉ :Eu ²⁺ compounds with different charge compensation ions for LEDs under near-UV excitation. Journal of Materials Chemistry C, 2015, 3, 6676-6685.	2.7	49
48	Highly enterprising calcium zirconium phosphate [CaZr ₄ (PO ₄) ₆ :Dy ³⁺ , Ce ³⁺] phosphor for white light emission. RSC Advances, 2015, 5, 49235-49247.	1.7	95
49	Tunable single-phase white-light-emitting Ba ₂ Mg(BO ₃) ₂ :Ce ³⁺ , Na ⁺ , Tb ³⁺ , Eu ²⁺ phosphor based on energy transfer. Ceramics International, 2015, 41, 8988-8995.	2.3	10
50	Broadband sensitized white light emission of g-C ₃ N ₄ /Y ₂ MoO ₆ :Eu ³⁺ composite phosphor under near ultraviolet excitation. Journal of Solid State Chemistry, 2015, 232, 26-30.	1.4	14
51	Insights into Ba ₄ Si ₆ O ₁₆ structure and photoluminescence tuning of Ba ₄ Si ₆ O ₁₆ :Ce ³⁺ , Eu ²⁺ phosphors. Journal of Materials Chemistry C, 2015, 3, 12477-12483.	2.7	36
52	Correlated color temperature tunability and energy transfer phenomenon in the NaBaBO ₃ :Dy ³⁺ /Eu ³⁺ phosphor for white light application. Functional Materials Letters, 2015, 08, 1550077.	0.7	8
53	Structure, luminescence properties and energy transfer of Tb ³⁺ -Eu ³⁺ codoped LiBaB ₉ O ₁₅ phosphors. Dalton Transactions, 2015, 44, 16840-16846.	1.6	68
54	Effects of Bi ³⁺ ions on luminescence of dumbbell-like SrMoO ₄ and SrMoO ₄ :Eu ³⁺ microcrystals. Chemical Physics Letters, 2015, 637, 127-131.	1.2	19
55	Tunable Emission Phosphor Ca ₄ Y ₆ O(SiO ₄) ₆ :Ce ³⁺ , Eu ²⁺ : Luminescence and Energy Transfer. Journal of the American Ceramic Society, 2015, 98, 495-500.	1.9	22
56	Achieving exceptionally high luminescence quantum efficiency by immobilizing an AIE molecular chromophore into a metal-organic framework. Chemical Communications, 2015, 51, 3045-3048.	2.2	148

#	ARTICLE	IF	CITATIONS
57	Tunable photoluminescence properties of Ca ₈ NaLa(PO ₄) ₆ F ₂ :Eu ²⁺ , Mn ²⁺ phosphor under UV excitation. <i>Materials Research Bulletin</i> , 2015, 64, 128-133.	2.7	18
58	Luminescence and energy transfer of 432 nm blue LED radiation-converting phosphor Ca ₄ Y ₆ O(SiO ₄) ₆ :Eu ²⁺ , Mn ²⁺ for warm white LEDs. <i>RSC Advances</i> , 2015, 5, 4448-4453.	1.7	27
59	Comparative study on bulk and composite fibrous samples photophysical feature: Synthesis and characterization of a fluorine-containing Re(I) complex and its electrospinning fibers. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 43-49.	2.0	3
60	Sr ₃ Bi(PO ₄) ₃ :Eu ²⁺ , Mn ²⁺ : Single-phase and color-tunable phosphors for white-light LEDs. <i>Optical Materials</i> , 2015, 40, 122-126.	1.7	30
61	Hydrothermal synthesis and luminescence of NaGd(WO ₄) ₂ :RE ³⁺ (RE=Eu, Tb, Tm) phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3129-3133.	1.1	6
62	Luminescence of the self-activated vanadate phosphors Na ₂ LnMg ₂ V ₃ O ₁₂ (Ln=Y, Gd). <i>Ceramics International</i> , 2015, 41, 6518-6524.	2.3	58
63	Probing a new approach for warm white light generation in lanthanide doped nanophosphors. <i>Dalton Transactions</i> , 2015, 44, 6184-6192.	1.6	25
64	Ca ₈ NaY(PO ₄) ₆ F ₂ :Eu ²⁺ , Mn ²⁺ : a potential color-tunable phosphor for white LEDs applications. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 118, 945-951.	1.1	3
65	SrWO ₄ :Ho ³⁺ , Yb ³⁺ , Tm ³⁺ microspheres with white-light emission: synthesis and luminescence. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 1695-1699.	1.1	14
66	Luminescence study of a self-activated and rare earth activated Sr ₃ La(VO ₄) ₃ phosphor potentially applicable in W-LEDs. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3023-3028.	2.7	113
67	Toward white electroluminescence by ruthenium quinoxaline light emitting diodes. <i>New Journal of Chemistry</i> , 2015, 39, 3035-3042.	1.4	7
68	Role of Oxygen Vacancy on the Photoluminescence of BaMgSiO ₄ :Eu Phosphors: Experimental and Theoretical Analysis. <i>Inorganic Chemistry</i> , 2015, 54, 1556-1562.	1.9	83
69	Influence of dopant concentration on up-conversion emission of Y ₂ O ₃ :(Yb ³⁺ , Er ³⁺). <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2311-2315.	1.1	11
70	Generation of orange and green emissions in Ca ₂ GdZr ₂ (AlO ₄) ₃ :Ce ³⁺ , Mn ²⁺ , Tb ³⁺ garnets via energy transfer with Mn ²⁺ and Tb ³⁺ as acceptors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2334-2340.	2.7	58
71	Controlling the Energy Transfer via Multi Luminescent Centers to Achieve White Light/Tunable Emissions in a Single-Phased X ₂ -Type Y ₂ SiO ₅ :Eu ³⁺ , Bi ³⁺ Phosphor For Ultraviolet Converted LEDs. <i>Inorganic Chemistry</i> , 2015, 54, 1462-1473.	1.9	241
72	Interplay between local environments and photoluminescence of Eu ²⁺ in Ba ₂ Zr ₂ Si ₃ O ₁₂ : blue shift emission, optimal bond valence and luminescence mechanisms. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3294-3303.	2.7	29
73	Photoluminescence properties of novel Sm ³⁺ and Dy ³⁺ co-activated CsGd(WO ₄) ₂ phosphors. <i>Journal of Alloys and Compounds</i> , 2015, 637, 350-360.	2.8	32
74	The first example of Tb ³⁺ -containing metallopolymer-type hybrid materials with efficient and high color-purity green luminescence. <i>Dalton Transactions</i> , 2015, 44, 6229-6241.	1.6	24

#	ARTICLE	IF	CITATIONS
75	White-light-emitting properties of SrTiO ₃ :Pr ³⁺ nanoparticles. RSC Advances, 2015, 5, 27491-27495.	1.7	24
76	Blue-Emitting K ₂ Al ₂ B ₂ O ₇ :Eu ²⁺ Phosphor with High Thermal Stability and High Color Purity for Near-UV-Pumped White Light-Emitting Diodes. Inorganic Chemistry, 2015, 54, 3189-3195.	1.9	137
77	Color-tunable emission in Ce ³⁺ , Tb ³⁺ b c o-doped Ca ₅ (BO ₃) ₃ F phosphor. RSC Advances, 2015, 5, 67125-67133.	1.7	19
78	Luminescence and energy transfer of Eu ²⁺ /Tb ³⁺ /Eu ³⁺ in LiBaBO ₃ phosphors with tunable-color emission. Journal of Materials Chemistry C, 2015, 3, 9112-9121.	2.7	78
79	Synthesis of mono-phase La ₂ Si ₆ O ₃ N ₈ :Ce ³⁺ , Tb ³⁺ blue-green phosphors with direct silicon nitridation and their photoluminescence properties. Materials Research Bulletin, 2015, 72, 83-89.	2.7	12
80	Red/blue-shift dual-directional regulation of $\hat{\epsilon}^2L$ -(Ca, Sr) ₂ SiO ₄ :Eu ²⁺ phosphors resulting from the incorporation content of Eu ²⁺ /Sr ²⁺ ions. Dalton Transactions, 2015, 44, 15620-15627.	1.6	27
81	A new single-phase white-light-emitting CaWO ₄ :Dy ³⁺ phosphor: synthesis, luminescence and energy transfer. RSC Advances, 2015, 5, 62527-62533.	1.7	77
82	A blue-emitting Sc silicate phosphor for ultraviolet excited light-emitting diodes. Physical Chemistry Chemical Physics, 2015, 17, 27292-27299.	1.3	25
83	Luminescence Properties of an Orange-Red Ba ₅ (BO ₃) ₂ (B ₂ O ₅):Sm ³⁺ Phosphor with High Color Purity. ECS Journal of Solid State Science and Technology, 2015, 4, R72-R77.	0.9	29
84	Dopant and excitation wavelength dependent color-tunable white light-emitting Ln ³⁺ :Y ₂ WO ₆ materials (Ln ³⁺ = Sm, Eu, Tb, Dy). Dalton Transactions, 2015, 44, 15022-15030.	1.6	45
85	Coupling of chromophores with exactly opposite luminescence behaviours in mesostructured organosilicas for high-efficiency multicolour emission. Chemical Science, 2015, 6, 6097-6101.	3.7	62
86	Controlling Nonradiative Transition Centers in Eu ³⁺ Activated CaSnO ₃ Nanophosphors through Na ⁺ Co-Doping: Realization of Ultrabright Red Emission along with Higher Thermal Stability. Journal of Physical Chemistry C, 2015, 119, 16824-16835.	1.5	91
87	Redistribution of Activator Tuning of Photoluminescence by Isovalent and Aliovalent Cation Substitutions in Whitlockite Phosphors. Journal of Physical Chemistry C, 2015, 119, 16853-16859.	1.5	45
88	Tunable Luminescent Properties and Concentration-Dependent, Site-Preferable Distribution of Eu ²⁺ Ions in Silicate Glass for White LEDs Applications. ACS Applied Materials & Interfaces, 2015, 7, 10044-10054.	4.0	197
89	Synthesis and luminescence of Sr ₂ SiO ₄ :Eu ³⁺ micro-spherical phosphors by a spray-drying process. Superlattices and Microstructures, 2015, 78, 150-155.	1.4	16
90	Cyan-emitting LiBaBO ₃ :Eu ²⁺ phosphor: Crystal structure and luminescence property comparison with LiSrBO ₃ :Eu ²⁺ . Chemical Physics Letters, 2015, 628, 21-24.	1.2	18
91	Emission red shift and energy transfer behavior of color-tunable KMg ₄ (PO ₄) ₃ :Eu ²⁺ , Mn ²⁺ phosphors. Journal of Materials Chemistry C, 2015, 3, 5516-5523.	2.7	59
92	Microwave hydrothermal synthesis and white up-conversion emission of NaCd(WO ₄) ₂ :(Yb ³⁺ /Tm ³⁺ /Ho ³⁺) phosphors. Journal of Materials Science: Materials in Electronics, 2015, 26, 3921-3925.	1.1	8

#	ARTICLE	IF	CITATIONS
93	Realization of color tuning via solid-solution and energy transfer in $\text{Ca}_{3-x}\text{Sr}_x(\text{PO}_4)_2:\text{Eu}^{2+}, \text{Mn}^{2+}$ phosphors. Journal of Materials Chemistry C, 2015, 3, 5339-5346.		57
94	Intercalation of coumaric acids into layered rare-earth hydroxides: controllable structure and photoluminescence properties. Journal of Materials Chemistry C, 2015, 3, 4742-4750.	2.7	21
95	Microwave sol-gel synthesis and upconversion photoluminescence properties of $\text{CaGd}_2(\text{WO}_4)_4:\text{Er}^{3+}/\text{Yb}^{3+}$ phosphors with incommensurately modulated structure. Journal of Solid State Chemistry, 2015, 228, 160-166.	1.4	154
96	Tunable emission in lanthanide coordination polymer gels based on a rationally designed blue emissive gelator. Chemical Communications, 2015, 51, 9876-9879.	2.2	102
97	Luminescence and energy transfer of color-tunable $\text{Li}_6\text{Gd}(\text{BO}_3)_3:\text{Ce}^{3+}, \text{Tb}^{3+}$ phosphor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 682-686.	2.0	5
98	Energy transfer and unusual decay behaviour of $\text{BaCa}_2\text{Si}_3\text{O}_9:\text{Eu}^{2+}, \text{Mn}^{2+}$ phosphor. Dalton Transactions, 2015, 44, 10368-10376.	1.6	32
99	The effect of Li^+ ions on the luminescent properties of a single-phase white light-emitting phosphor $\text{Li}_x\text{Sr}_2\text{P}_2\text{O}_7:\text{Dy}^{3+}$. Dalton Transactions, 2015, 44, 7854-7861.	1.6	52
100	Synchronous Tricolor Emission-Based White Light from Quantum Dot Complex. Journal of Physical Chemistry Letters, 2015, 6, 1270-1274.	2.1	43
101	Site Occupancy Preference, Enhancement Mechanism, and Thermal Resistance of Mn^{4+} Red Luminescence in $\text{Sr}_4\text{Al}_{14}\text{O}_{25}:\text{Mn}^{4+}$ for Warm WLEDs. Chemistry of Materials, 2015, 27, 2938-2945.	3.2	309
102	Tuning the Color Emission of $\text{Sr}_2\text{P}_2\text{O}_7:\text{Tb}^{3+}, \text{Eu}^{3+}$ Phosphors Based on Energy Transfer. Journal of the American Ceramic Society, 2015, 98, 1536-1541.	1.9	51
103	Effects of aging time on phase, morphology, and luminescence by two-photon processes of $\text{BiPO}_4:\text{Er}^{3+}, \text{Yb}^{3+}$ in the solvothermal synthesis. Optical Materials, 2015, 45, 32-36.	1.7	22
104	Enhanced tunable color emission in transparent Ag/Mn^{2+} codoped zinc borate glasses for broad band light source. Journal of Materials Chemistry C, 2015, 3, 5183-5191.	2.7	44
105	Quick synthesis, functionalization and properties of uniform, luminescent LuPO_4 -based nanoparticles. RSC Advances, 2015, 5, 34517-34524.	1.7	12
106	Red-Emitting Phosphor $\text{Ba}_9\text{Lu}_2\text{Si}_6\text{O}_{24}:\text{Ce}^{3+}, \text{Mn}^{2+}$ with Enhanced Energy Transfer via Self-Charge Compensation. Journal of Physical Chemistry C, 2015, 119, 24558-24563.	1.5	69
107	Luminescence, energy transfer and thermal stability of $\text{LiBaB}_9\text{O}_{15}:\text{Sm}^{3+}, \text{Eu}^{3+}$ for white LEDs. Materials Research Bulletin, 2015, 70, 789-794.	2.7	17
108	Recent progress in luminescence tuning of Ce^{3+} and Eu^{2+} -activated phosphors for pc-WLEDs. Chemical Society Reviews, 2015, 44, 8688-8713.	18.7	774
109	Recent advances in energy transfer in bulk and nanoscale luminescent materials: from spectroscopy to applications. Chemical Society Reviews, 2015, 44, 8714-8746.	18.7	166
110	Giant enhancement of upconversion emission in $(\text{NaYF}_4:\text{Nd}^{3+}/\text{Yb}^{3+}/\text{Ho}^{3+})/(\text{NaYF}_4:\text{Nd}^{3+}/\text{Yb}^{3+})$ core/shell nanoparticles excited at 808 nm. Optics Letters, 2015, 40, 3599.	1.7	66

#	ARTICLE	IF	CITATIONS
111	An efficient blue-emitting Sr ₅ (PO ₄) ₃ Cl:Eu ²⁺ phosphor for application in near-UV white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 11219-11227.	2.7	141
112	Trap and nonradiative centers in Ba ₃ Si ₆ O ₁₂ N ₂ :Eu ²⁺ phosphors observed by thermoluminescence and two-wavelength excited photoluminescence methods. <i>Optics Express</i> , 2015, 23, 16511.	1.7	2
113	Ca (3 $\hat{\sim}$ x) Sr x (PO 4) 2 :Eu 2+ nanofibers: Electrospinning fabrication and tunable luminescence. <i>Superlattices and Microstructures</i> , 2015, 86, 425-429.	1.4	15
114	Photoluminescence properties of BaSiF ₆ :Eu ³⁺ ,Eu ³⁺ /K ⁺ and Eu ³⁺ /Tb ³⁺ co-doped phosphors. <i>New Journal of Chemistry</i> , 2015, 39, 9071-9074.	1.4	10
115	Tunable white-light emission via energy transfer in single-phase LiGd(WO ₄) ₂ :Re ³⁺ (Re = Tm, Tb, Dy, Eu) phosphors for UV-excited WLEDs. <i>RSC Advances</i> , 2015, 5, 96272-96280.	1.7	71
116	Novel La ₃ GaGe ₅ O ₁₆ :Mn ⁴⁺ based deep red phosphor: a potential color converter for warm white light. <i>RSC Advances</i> , 2015, 5, 90499-90507.	1.7	52
117	Blue-Emitting Sr ₃ Si ₈ Al ₈ O ₇ N ₈ :Eu ²⁺ Discovered by a Single-Particle-Diagnosis Approach: Crystal Structure, Luminescence, Scale-Up Synthesis, and Its Abnormal Thermal Quenching Behavior. <i>Chemistry of Materials</i> , 2015, 27, 7689-7697.	3.2	63
118	Lanthanide-doped semiconductor nanocrystals: electronic structures and optical properties. <i>Science China Materials</i> , 2015, 58, 819-850.	3.5	74
119	Luminescence and energy transfer of co-doped Sr ₅ MgLa ₂ (BO ₃) ₆ :Ce ³⁺ ,Mn ²⁺ . <i>RSC Advances</i> , 2015, 5, 67979-67987.	1.7	18
120	Photoluminescence properties and energy transfer behavior of Eu ²⁺ /Tb ³⁺ co-doped Ba ₃ Sc(PO ₄) ₃ phosphors. <i>Ceramics International</i> , 2015, 41, 14698-14702.	2.3	8
121	Improved optical photoluminescence by charge compensation and luminescence tuning in Ca ₆ Ba(PO ₄) ₄ O:Ce ³⁺ , Eu ²⁺ phosphors. <i>CrystEngComm</i> , 2015, 17, 8632-8638.	1.3	24
122	Structure, electronic properties, luminescence and chromaticity investigations of rare earth doped KMgBO ₃ phosphors. <i>Materials Chemistry and Physics</i> , 2015, 165, 168-176.	2.0	18
123	A series of tunable emission phosphors of Sm ³⁺ , Eu ³⁺ and Mn ²⁺ doped Ba ₃ Tb(PO ₄) ₃ : luminescence and energy transfer. <i>RSC Advances</i> , 2015, 5, 71735-71742.	1.7	17
124	Emerging cool white light emission from Dy ³⁺ doped single phase alkaline earth niobate phosphors for indoor lighting applications. <i>Dalton Transactions</i> , 2015, 44, 17166-17174.	1.6	156
125	Tri-chromatic white-light emission from a single-phase Ca ₉ Sc(PO ₄) ₇ :Eu ²⁺ ,Tb ³⁺ ,Mn ²⁺ phosphor for LED applications. <i>Dalton Transactions</i> , 2015, 44, 17241-17250.	1.6	66
126	Tunable white light emission of Eu,Tb,Zn-containing copolymers by RAFT polymerization. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9933-9941.	2.7	20
127	Synthesis, photoluminescence and thermoluminescence properties of LiNa ₃ P ₂ O ₇ :Tb ³⁺ green emitting phosphor. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 86, 170-176.	1.9	12
128	Tunable blue-green emitting and energy transfer of a Eu ²⁺ /Tb ³⁺ codoped Sr ₃ La(PO ₄) ₃ phosphor for near-UV white LEDs. <i>New Journal of Chemistry</i> , 2015, 39, 8933-8939.	1.4	25

#	ARTICLE	IF	CITATIONS
129	Enhancing Photoluminescence Performance of SrSi ₂ O ₂ N ₂ :Eu ²⁺ Phosphors by Re (Re = La, Gd, Y, Dy). <i>J. Mater. Chem. C</i> , 2015, 3, 9060-9065.	1.9	35
130	Semiconductive 3-D haloplumbate framework hybrids with high color rendering index white-light emission. <i>Chemical Science</i> , 2015, 6, 7222-7226.	3.7	172
131	Dual energy transfer controlled photoluminescence evolution in Eu and Mn co-activated β -Ca _{2.7} Sr _{0.3} (PO ₄) ₂ phosphors for solid-state lighting. <i>RSC Advances</i> , 2015, 5, 98026-98032.	1.7	7
132	A novel white emitting phosphor Ca ₂ PO ₄ Cl:Dy ³⁺ : luminescence, concentration quenching and thermal stability. <i>Journal of Rare Earths</i> , 2015, 33, 1137-1141.	2.5	14
133	Pressure-Stimulated Synthesis and Luminescence Properties of Microcrystalline (Lu,Y) ₃ Al ₅ O ₁₂ :Ce ³⁺ Garnet Phosphors. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26235-26243.	4.0	217
134	Synthesis and Luminescence of BiPO ₄ :Tb ³⁺ Nanowires by a Hydrothermal Process. <i>Materials and Manufacturing Processes</i> , 2015, 30, 591-594.	2.7	4
135	K ₂ Ln(PO ₄)(WO ₄):Tb ³⁺ ,Eu ³⁺ (Ln = Y, Gd) <i>J. Mater. Chem. C</i> , 2015, 3, 2107-2114.	2.7	175
136	Tunable luminescence properties of the novel Tm ³⁺ - and Dy ³⁺ -codoped LiLa(MoO ₄) _x (WO ₄) _{2-x} phosphors for white light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 7049-7057.	1.7	40
137	A novel white emission in Ba ₁₀ F ₂ (PO ₄) ₆ :Dy ³⁺ single-phase full-color phosphor. <i>Materials Chemistry and Physics</i> , 2015, 151, 345-350.	2.0	33
138	New heterometallic Ir(III)â€“Eu(III) complexes: white light emission from a single molecule. <i>Dalton Transactions</i> , 2015, 44, 37-40.	1.6	10
139	Luminescence properties and energy transfer of CdWO ₄ :Sm ³⁺ ,Bi ³⁺ ,M ⁺ (M=Li, Na, K) phosphors for white LEDs. <i>Ceramics International</i> , 2015, 41, 4301-4307.	2.3	23
140	White light emission in alkali metal ion co-doped single host lattice phosphor Sr ₃ B ₂ O ₆ :Ce ³⁺ ,Eu ²⁺ ,A ⁺ [A=Li, Na and K]. <i>Ceramics International</i> , 2015, 41, 3497-3501.	2.3	16
141	Tuning the Luminescence of Phosphors: Beyond Conventional Chemical Method. <i>Advanced Optical Materials</i> , 2015, 3, 431-462.	3.6	129
142	Energy transfer and thermal stability in Bi ³⁺ /Eu ³⁺ co-doped germanium-borate glasses for organic-resin-free UV LEDs. <i>Optical Materials Express</i> , 2016, 6, 3574.	1.6	35
143	Microwave-Assisted Preparation of White Fluorescent Graphene Quantum Dots as a Novel Phosphor for Enhanced White-Emitting Diodes. <i>Advanced Functional Materials</i> , 2016, 26, 2739-2744.	7.8	223
144	Tuning Mixed-Valent Eu ²⁺ /Eu ³⁺ in Strontium Formate Frameworks for Multichannel Photoluminescence. <i>Chemistry - A European Journal</i> , 2016, 22, 11170-11175.	1.7	37
145	White Light Emissive Dy ^{III} Single-Molecule Magnets Sensitized by Diamagnetic [Co ^{III} (CN) ₆] ³⁻ Linkers. <i>Chemistry - A European Journal</i> , 2016, 22, 7371-7375.	1.7	83
146	Synthesis, Structure, and Performance of Efficient Red Phosphor LiNaGe ₄ O ₉ :Mn ⁴⁺ and Its Application in Warm WLEDs. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2029-2034.	1.9	30

#	ARTICLE	IF	CITATIONS
147	Luminescence properties of single-phase color-tunable $\text{Li}_4\text{SrCa}(\text{Si}_2\text{O}_4\text{N}_{8/3})\text{:Eu}^{2+}$ phosphor for white light-emitting diodes. <i>RSC Advances</i> , 2016, 6, 38731-38740.	1.7	10
148	$\text{BPO}_4\text{:B}_2\text{O}_3$ and $(\text{BPO}_4\text{:B}_2\text{O}_3)\text{:Eu}^{3+}$: The novel single-emitting-component phosphors for near UV-white LEDs. <i>Optical Materials</i> , 2016, 58, 24-31.	1.7	6
149	Recent developments in the new inorganic solid-state LED phosphors. <i>Dalton Transactions</i> , 2016, 45, 11214-11232.	1.6	488
150	Luminescence properties of Eu^{2+} in T^{II} phase $\text{Ba}_{1.3}\text{Ca}_{0.7}\text{SiO}_4$ lattice from multiple crystallographic sites at different temperatures. <i>Materials Chemistry and Physics</i> , 2016, 177, 538-542.	2.0	9
151	An Azole-Based Metal-Organic Framework toward Direct White-Light Emissions by the Synergism of Ligand-Centered Charge Transfer and Interligand π - π Interactions. <i>Crystal Growth and Design</i> , 2016, 16, 3969-3975.	1.4	39
152	Photoluminescence, energy transfer and tunable color of Ce^{3+} , Tb^{3+} and Eu^{2+} activated oxynitride phosphors with high brightness. <i>Dalton Transactions</i> , 2016, 45, 9676-9683.	1.6	20
153	A single-phase heteroatom doped carbon dot phosphor toward white light-emitting diodes. <i>RSC Advances</i> , 2016, 6, 38761-38768.	1.7	25
154	Photoluminescence spectroscopies and temperature-dependent luminescence of Mn^{4+} in BaGe_4O_9 phosphor. <i>Journal of Luminescence</i> , 2016, 177, 394-401.	1.5	45
155	Luminescence properties of a novel green emitting $\text{Ba}_2\text{CaZn}_2\text{Si}_6\text{O}_{17}\text{:Eu}^{2+}$ phosphor for white light emitting diodes applications. <i>Superlattices and Microstructures</i> , 2016, 93, 57-66.	1.4	16
156	Thermal quenching and energy transfer in novel $\text{Bi}^{3+}/\text{Mn}^{2+}$ co-doped white-emitting borosilicate glasses for UV LEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2506-2512.	2.7	83
157	Size-Dependent Luminescence in HfO_2 Nanocrystals: Toward White Emission from Intrinsic Surface Defects. <i>Chemistry of Materials</i> , 2016, 28, 3245-3253.	3.2	54
158	$\text{Ca}_6\text{La}_4(\text{SiO}_4)_2(\text{PO}_4)_4\text{O}_2\text{:Eu}^{2+}$ a novel apatite green-emitting phosphor for near-ultraviolet excited w-LEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 4675-4683.	2.7	71
159	Investigations on surface chemical analysis using X-ray photoelectron spectroscopy and optical properties of Dy^{3+} -doped $\text{LiNa}_3\text{P}_2\text{O}_7$ phosphor. <i>Journal of Molecular Structure</i> , 2016, 1118, 117-123.	1.8	41
160	Illuminating microemulsions: ionic liquid CdS quantum dots hybrid materials as potential white light harvesting systems. <i>Chemical Communications</i> , 2016, 52, 6320-6323.	2.2	13
161	Anomalous Orange Light-Emitting $(\text{Sr},\text{Ba})_2\text{SiO}_4\text{:Eu}^{2+}$ Phosphors for Warm White LEDs. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11615-11620.	4.0	83
162	Recent development in phosphors with different emitting colors via energy transfer. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5507-5530.	2.7	269
163	Blue light emitting ceramic nano-pigments of Tm^{3+} doped YAlO_3 : Applications in latent finger print, anti-counterfeiting and porcelain stoneware. <i>Dyes and Pigments</i> , 2016, 131, 268-281.	2.0	93
164	Synthesis, electronic structure and photoluminescence properties of $\text{Ba}_2\text{BiV}_3\text{O}_{11}\text{:Eu}^{3+}$ red phosphor. <i>Dyes and Pigments</i> , 2016, 132, 159-166.	2.0	119

#	ARTICLE	IF	CITATIONS
165	Synthesis of Cu-Deficient and Zn-Graded Cu ²⁺ In ³⁺ Zn ²⁺ S Quantum Dots and Hybrid Inorganic-Organic Nanophosphor Composite for White Light Emission. ACS Applied Materials & Interfaces, 2016, 8, 12456-12465.	4.0	42
166	A single-phase Ba ₉ Lu ₂ Si ₆ O ₂₄ :Eu ²⁺ , Ce ³⁺ , Mn ²⁺ phosphor with tunable full-color emission for NUV-based white LED applications. Materials Research Bulletin, 2016, 80, 288-294.	2.7	34
167	Synthesis and photoluminescence of green-emitting Ce ³⁺ , Tb ³⁺ co-doped Al ₆ Si ₂ O ₁₃ phosphors with high thermal stability for white LEDs. RSC Advances, 2016, 6, 42770-42777.	1.7	17
168	Tunable luminescence and energy transfer properties of LiSrPO ₄ : Ce ³⁺ , Tb ³⁺ , Mn ²⁺ phosphors. Journal of Alloys and Compounds, 2016, 682, 557-564.	2.8	41
169	Phosphors for Field Emission Display: Recent Advances in Synthesis, Improvement, and Luminescence Properties. , 2016, , 41-82.		1
170	New insight into the crystal structure of Sr ₄ Ca(PO ₄) ₂ SiO ₄ and the photoluminescence tuning of Sr ₄ Ca(PO ₄) ₂ SiO ₄ :Ce ³⁺ , Na ⁺ , Eu ²⁺ phosphors. Journal of Materials Chemistry C, 2016, 4, 8078-8084.	2.7	33
171	Lanthanide coordination frameworks constructed from 3,3',4,4'-diphenylsulfonetetracarboxylic and 1,10-phenanthroline: synthesis, crystal structures and luminescence properties. Dalton Transactions, 2016, 45, 15436-15444.	1.6	19
172	Pure white-light and color-tuning of PMMA-supported hybrid materials doped with (TTA) ₃ -Zn ²⁺ -Eu ³⁺ and (BA) ₃ -Zn ²⁺ -Tb ³⁺ complexes. Inorganic Chemistry Communication, 2016, 72, 54-56.	1.8	2
173	Discovery of a Red-Emitting Li ₃ RbGe ₈ O ₁₈ :Mn ⁴⁺ Phosphor in the Alkali-Germanate System: Structural Determination and Electronic Calculations. Inorganic Chemistry, 2016, 55, 10310-10319.	1.9	77
174	A new single-component KCaY(PO ₄) ₂ :Dy ³⁺ , Eu ³⁺ nanosized phosphor with high color-rendering index and excellent thermal resistance for warm-white NUV-LED. RSC Advances, 2016, 6, 96263-96274.	1.7	28
175	Luminescence properties of long-lasting phosphor SrMg ₂ (PO ₄) ₂ :Eu ²⁺ , Ho ³⁺ , Zr ⁴⁺ . Optical Materials, 2016, 62, 164-170.	1.7	5
176	Encapsulation of coumarin dye within lanthanide MOFs as highly efficient white-light-emitting phosphors for white LEDs. CrystEngComm, 2016, 18, 8366-8371.	1.3	33
177	Solid state synthesis and luminescence of NaLa(WO ₄) ₂ :Dy ³⁺ phosphors. Journal of Materials Science: Materials in Electronics, 2016, 27, 11012-11016.	1.1	14
178	Progress in discovery and structural design of color conversion phosphors for LEDs. Progress in Materials Science, 2016, 84, 59-117.	16.0	902
179	A Single-Phase Phosphor NaLa ₉ (GeO ₄) ₆ O ₂ :Tm ³⁺ , Dy ³⁺ for Near Ultraviolet-White LED and Field-Emission Display. Journal of the American Ceramic Society, 2016, 99, 3696-3704.	1.9	24
180	Synthesis, photoluminescence properties and energy transfer behavior of color-tunable fluorapatite phosphor Sr ₉ Gd(PO ₄) ₅ (SiO ₄) ₂ :Tb ³⁺ /Sm ³⁺ . Ceramics International, 2016, 42, 16579-16583.	2.3	32
181	AIEngine-Functionalized Inorganic-Organic Hybrid Materials: Fabrications and Applications. Small, 2016, 12, 6478-6494.	5.2	83
182	Yellow to greenish-blue colour-tunable photoluminescence and 4f-centered slow magnetic relaxation in a cyanido-bridged Dy ^{III} (4-hydroxypyridine) ⁺ Co ^{III} layered material. Chemical Communications, 2016, 52, 10795-10798.	2.2	58

#	ARTICLE	IF	CITATIONS
183	Structure, Delamination and Luminescence of Layered Dysprosium Hydroxides and the Generation of White Light with 2D Crystals. <i>ChemistrySelect</i> , 2016, 1, 17-22.	0.7	5
184	Single Component Lanthanide Hybrids Based on Metal-Organic Framework for Near-Ultraviolet White Light LED. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 24123-24130.	4.0	99
185	Tunable Emission Phosphor $\text{Ca}_{0.75}\text{Sr}_{0.2}\text{Mg}_{1.05}(\text{Si}_2\text{O}_6):\text{Eu}^{2+}$, Mn^{2+} : Luminescence and Mechanism of Host, Energy Transfer of Eu^{2+} to Mn^{2+} , Eu^{2+} to Host, and Host to Mn^{2+} . <i>Journal of Physical Chemistry C</i> , 2016, 120, 20254-20266.	1.5	45
186	Single-phase $\text{LiY}(\text{MoO}_4)_2 \cdot x(\text{WO}_4)_x:\text{Dy}^{3+}$, Eu^{3+} phosphors with white luminescence for white LEDs. <i>Materials Research Bulletin</i> , 2016, 84, 429-436.	2.7	32
187	Inorganic-organic hybrid white light phosphors. <i>Chemical Communications</i> , 2016, 52, 13194-13204.	2.2	97
188	Advanced red phosphors for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8611-8623.	2.7	382
189	Photoluminescence and energy transfer properties of Eu^{2+} and Tb^{3+} co-doped gamma aluminum oxynitride powders. <i>Optical Materials</i> , 2016, 58, 290-295.	1.7	21
190	Luminescence properties and energy transfer studies of color tunable Tb^{3+} -doped $\text{RE}_1/3\text{Zr}_2(\text{PO}_4)_3$ ($\text{RE}=\text{Y}$, La , Gd and Lu). <i>Journal of Alloys and Compounds</i> , 2016, 685, 841-847.	2.8	13
191	Tailoring super-broad photoluminescence from Eu^{2+} and dual-mode $\text{Eu}^{2+}/\text{Eu}^{3+}$ -doped alkaline earth aluminoborate glasses through site-similarity and ligand acidity. <i>Journal of Luminescence</i> , 2016, 180, 234-240.	1.5	13
192	Luminescence properties of Eu^{2+} -doped BaSi_2O_5 as an efficient green phosphor for light-emitting devices and wide color gamut field emission displays. <i>New Journal of Chemistry</i> , 2016, 40, 8549-8555.	1.4	23
193	Full color control and white emission from $\text{CaZnOS}:\text{Ce}^{3+}$, Na^{+} , Mn^{2+} phosphors via energy transfer. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9711-9716.	2.7	58
194	Multicolor Photoluminescence Including White-Light Emission by a Single Host-Guest Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 13541-13550.	6.6	233
195	Effect of annealing temperature and ambient on the structural and optical properties of Eu^{3+} -doped ZnS nanocrystals. <i>Materials Chemistry and Physics</i> , 2016, 184, 250-260.	2.0	13
196	Controllable hydrothermal synthesis of $\text{Eu}^{3+}/\text{Tb}^{3+}/\text{Dy}^{3+}$ activated $\text{Zn}_8[(\text{BO}_3)_3\text{O}_2(\text{OH})_3]$ micro/nanostructured phosphors: energy transfer and tunable emissions. <i>RSC Advances</i> , 2016, 6, 89113-89123.	1.7	10
197	A novel blue-emitting $\text{Ba}_5(\text{BO}_3)_2(\text{B}_2\text{O}_5):\text{Ce}^{3+}$ phosphor for application in near-UV white LEDs. <i>Journal of Alloys and Compounds</i> , 2016, 688, 1225-1232.	2.8	15
198	Fabrication of white luminescence composite films containing Dy-polyoxometalate and the study of their luminescence switching behaviors. <i>Chemical Communications</i> , 2016, 52, 10403-10406.	2.2	22
199	Inorganic halide perovskite quantum dot modified YAG-based white LEDs with superior performance. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7601-7606.	2.7	64
200	Consequences of ET and MMCT on Luminescence of Ce^{3+} , Eu^{3+} , and Tb^{3+} -doped LiYSiO_4 . <i>Inorganic Chemistry</i> , 2016, 55, 7777-7786.	1.9	50

#	ARTICLE	IF	CITATIONS
201	Excellent color rendering index and high quantum efficiency of rare-earth-free fluosilicate glass for single-phase white light phosphor. <i>Optics Letters</i> , 2016, 41, 3122.	1.7	14
202	A highly stable and white-light-emitting Eu(III) MOF. <i>Dalton Transactions</i> , 2016, 45, 18661-18667.	1.6	25
203	Design of a Yellow-Emitting Phosphor with Enhanced Red Emission via Valence State-control for Warm White LEDs Application. <i>Scientific Reports</i> , 2016, 6, 31199.	1.6	27
204	Grinding size-dependent mechanoresponsive luminescent Cd(II) coordination polymer. <i>Dalton Transactions</i> , 2016, 45, 18074-18078.	1.6	31
205	Enhance Color Rendering Index via Full Spectrum Employing the Important Key of Cyan Phosphor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30677-30682.	4.0	85
206	Tuning the size and upconversion luminescence of NaYbF ₄ :Er ³⁺ /Tm ³⁺ nanoparticles through Y ³⁺ or Gd ³⁺ doping. <i>Optical Materials Express</i> , 2016, 6, 2165.	1.6	36
207	Controllable synthesis and luminescence of YPO ₄ :Ln ³⁺ (Ln=Eu and Sm) nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6690-6696.	1.1	5
208	Thermal stability of the luminescence of Ca ₆ Ba(PO ₄) ₄ O:Eu ²⁺ yellow phosphor for white light-emitting diodes. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	6
209	A highly efficient directional molecular white-light emitter driven by a continuous-wave laser diode. <i>Science</i> , 2016, 352, 1301-1304.	6.0	120
210	Synthesis of graphene oxide/rare-earth complex hybrid luminescent materials via π-π stacking and their pH-dependent luminescence. <i>Journal of Alloys and Compounds</i> , 2016, 687, 95-103.	2.8	39
211	Solid state synthesis, tunable luminescence and thermal stability of NaCaBO ₃ :Eu ²⁺ /Mn ²⁺ phosphors. <i>Ceramics International</i> , 2016, 42, 12422-12426.	2.3	32
212	Synthesis and structure of a new halophosphate Sr ₃ P ₃ O ₁₀ Cl with the flexible [P ₃ O ₁₀] ⁵⁻ anions. <i>Solid State Sciences</i> , 2016, 55, 159-163.	1.5	7
213	Broadband Yellowish-Green Emitting Ba ₄ Gd ₃ Na ₃ (PO ₄) ₆ F ₂ :Eu ²⁺ Phosphor: Structure Refinement, Energy Transfer, and Thermal Stability. <i>Inorganic Chemistry</i> , 2016, 55, 6107-6113.	1.9	59
214	Encaged-anion tunable luminescence of Ce ³⁺ -activated single host Ca ₁₂ Al ₁₄ O ₃₂ Cl ₂ phosphor for UV pumped multi-color LEDs. <i>Materials and Design</i> , 2016, 107, 139-143.	3.3	19
215	Tuning Mn ⁴⁺ Red Photoluminescence in (K,Rb) ₂ Ge ₄ O ₉ :Mn ⁴⁺ Solid Solutions by Partial Alkali Substitution. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3376-3381.	1.9	32
216	High-Performance Blue-Excitable Yellow Phosphor Obtained from an Activated Solvochromic Bismuth-Fluorophore Metal-Organic Framework. <i>Crystal Growth and Design</i> , 2016, 16, 4178-4182.	1.4	50
217	Luminescence in Ba ₂ Sr ₂ Al ₂ O ₇ :RE ³⁺ (RE= Tb ³⁺ , Eu ³⁺) novel aluminate phosphors. <i>Luminescence</i> , 2016, 31, 1290-1294.		
218	Designing Tunable White-Light Emission from an Auophilic Cu ^I /Au ^I Coordination Polymer with Thioether Ligands. <i>Chemistry - A European Journal</i> , 2016, 22, 8234-8239.	1.7	20

#	ARTICLE	IF	CITATIONS
219	Deposition of NaGd(WO ₄) ₂ :Eu ³⁺ /Bi ³⁺ films on glass substrates and potential applications in white light emitting diodes. Energy and Buildings, 2016, 113, 9-14.	3.1	8
220	Luminescence, energy transfer and tunable color of Ce ³⁺ , Dy ³⁺ /Tb ³⁺ doped BaZn ₂ (PO ₄) ₂ phosphors. New Journal of Chemistry, 2016, 40, 3086-3093.	1.4	44
221	Gold Nanocluster and Quantum Dot Complex in Protein for Biofriendly White-Light-Emitting Material. ACS Applied Materials & Interfaces, 2016, 8, 1600-1605.	4.0	48
222	Structure and luminescence properties of Eu ²⁺ doped Lu _x Sr _{2x} SiN _x O _{4x} phosphors evolved from chemical unit cosubstitution. Journal of Materials Chemistry C, 2016, 4, 1336-1344.	2.7	69
223	Tuning of Photoluminescence by Cation Nanosegregation in the (CaMg) _x (NaSc) _{1-x} Si ₂ O ₆ Solid Solution. Journal of the American Chemical Society, 2016, 138, 1158-1161.	6.6	167
224	Luminescence and energy transfer properties of novel Na _{2.5} Y _{0.5} Mg ₇ (PO ₄) ₆ : R (R =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 3983-3991.	1.6	21
225	A new series of borophosphate phosphor Cd ₃ BPO ₇ :M (M = Ce ³⁺ , Tb ³⁺ , Mn ²⁺) with tunable luminescence and energy transfer properties. Journal of Alloys and Compounds, 2016, 665, 204-209.	2.8	12
226	Hexagonal crown-capped NaYF ₄ :Ce ³⁺ /Gd ³⁺ /Dy ³⁺ microrods: Formation mechanism, energy transfer and luminescence properties. Journal of Alloys and Compounds, 2016, 658, 952-960.	2.8	28
227	Synthesis and Upconversion Emission of ¹² -Ca ₂ SiO ₄ : (Er ³⁺), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	2
228	Efficient sensitization of Eu ²⁺ /Mn ²⁺ emissions by Ce ³⁺ doping in NaMgPO ₄ host under UV excitation. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	8
229	Structure, photoluminescence and influence of temperature on energy transfer of green-emission phosphor Ca ₉ La(GeO ₄) _{0.75} (PO ₄) ₆ :Ce ³⁺ , Tb ³⁺ . New Journal of Chemistry, 2016, 40, 4735-4743.	1.4	8
230	Features of spectral properties of Sm ³⁺ complexes with dithia- and diselenophosphinate ligands. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 163, 134-139.	2.0	15
231	Significant colour tuning via energy transfer in Eu ²⁺ solely doped La _{2.5} Ca _{1.5} Si ₁₂ O _{4.5} N _{16.5} . RSC Advances, 2016, 6, 20681-20686.	1.7	14
232	Blue-emitting phosphor Ba ₄ OCl ₆ :Eu ²⁺ with good thermal stability and a tiny chromaticity shift for white LEDs. Journal of Materials Chemistry C, 2016, 4, 2367-2373.	2.7	66
233	Energy transfer properties and temperature-dependent luminescence of Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ : Dy ³⁺ , Mn ⁴⁺ phosphors. Journal of Materials Science, 2016, 51, 4201-4212.	1.7	32
234	GdPO ₄ :Er ³⁺ /Yb ³⁺ nanorods: Hydrothermal synthesis and sensitivity of green emission to Yb ³⁺ concentration. Ceramics International, 2016, 42, 8738-8743.	2.3	12
235	Giant enhancement of upconversion emission in NaYF ₄ :Er ³⁺ @NaYF ₄ :Yb ³⁺ active-core/active-shell nanoparticles. RSC Advances, 2016, 6, 22845-22851.	1.7	17
236	Studies on the photoluminescent properties of a single phase white light emitting phosphor CaLa _{1-x} NbMoO ₈ : x Dy ³⁺ for pc-white LED applications. Materials Letters, 2016, 170, 196-198.	1.3	16

#	ARTICLE	IF	CITATIONS
237	Pure white-light and colour-tuning of Eu ³⁺ –Gd ³⁺ -containing metallopolymer. <i>Chemical Communications</i> , 2016, 52, 3713-3716.	2.2	54
238	Solid state synthesis and tunable luminescence of Li ₂ SrSiO ₄ :Eu ²⁺ /Ce ³⁺ phosphors. <i>Chemical Physics Letters</i> , 2016, 648, 8-12.	1.2	27
239	White light emissive molecular siblings. <i>Chemical Communications</i> , 2016, 52, 4175-4178.	2.2	46
240	Luminescence properties and energy transfer studies of a color tunable BaY ₂ Si ₃ O ₁₀ :Tm ³⁺ ,Dy ³⁺ phosphor. <i>Optical Materials</i> , 2016, 53, 116-122.	1.7	61
241	Study on the photoluminescence properties of a color-tunable Ca ₉ ZnK(PO ₄) ₇ : Eu ³⁺ phosphor. <i>Optik</i> , 2016, 127, 4039-4042.	1.4	13
242	Sol-gel synthesis and photoluminescence properties of a novel Dy ³⁺ activated CaYAl ₃ O ₇ phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7089-7094.	1.1	8
243	Multi-color luminescence properties and energy transfer behaviour in host-sensitized CaWO ₄ :Tb ³⁺ ,Eu ³⁺ phosphors. <i>RSC Advances</i> , 2016, 6, 30886-30894.	1.7	59
244	A novel single-phase white light emitting phosphor Ca ₉ La(PO ₄) ₄ (PO ₄) ₅ (SiO ₄)F ₂ :Dy ³⁺ : synthesis, crystal structure and luminescence properties. <i>RSC Advances</i> , 2016, 6, 24577-24583.	1.7	69
245	Ce ³⁺ sensitized bright white light emission from colloidal Ln ³⁺ doped CaF ₂ nanocrystals for the development of transparent nanocomposites. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2289-2294.	2.7	25
246	A single Eu ²⁺ -activated high-color-rendering oxychloride white-light phosphor for white-light-emitting diodes. <i>Light: Science and Applications</i> , 2016, 5, e16024-e16024.	7.7	289
247	A novel tunable white light emitting multiphase phosphor obtained from Ba ₂ TiP ₂ O ₉ by introducing Eu ³⁺ . <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	4
248	Solid state synthesis and tunable luminescence of LiSrPO ₄ :Eu ²⁺ /Mn ²⁺ /Tb ³⁺ phosphors. <i>Polyhedron</i> , 2016, 107, 78-82.	1.0	29
249	Tunable luminescence and energy transfer of Ce ³⁺ /Eu ²⁺ /Mn ²⁺ -tridoped Sr ₈ MgLa(PO ₄) ₇ phosphor for white light LEDs. <i>Journal of Alloys and Compounds</i> , 2016, 663, 731-737.	2.8	37
250	Eu ³⁺ ion concentration induced 3D luminescence properties of novel red-emitting Ba ₄ La ₆ (SiO ₄) ₄ O:Eu ³⁺ oxyapatite phosphors for versatile applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1039-1050.	2.7	63
251	Photoluminescence properties and energy transfer of a color tunable phosphor: Dy ³⁺ and Tm ³⁺ co-activated SrCaAl ₂ SiO ₇ . <i>Materials Research Bulletin</i> , 2016, 76, 273-278.	2.7	20
252	Excitation wavelength-induced color-tunable and white-light emissions in lanthanide coordination polymers constructed using an environment-dependent luminescent tetrazolate ²⁻ dicarboxylate ligand. <i>CrystEngComm</i> , 2016, 18, 721-727.	1.3	43
253	Sr ₃ Ce(PO ₄) ₄ (PO ₄) ₃ :Eu ²⁺ : a broadband yellow-emitting phosphor for near ultraviolet-pumped white light-emitting devices. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1170-1177.	2.7	74
254	Crystal structures, tunable emission and energy transfer of a novel GdAl ₁₂ O ₁₈ N:Eu ²⁺ ,Tb ³⁺ oxynitride phosphor. <i>New Journal of Chemistry</i> , 2016, 40, 2637-2643.	1.4	4

#	ARTICLE	IF	CITATIONS
255	Investigation of luminescence properties and the energy transfer mechanism of tunable emitting $\text{Sr}_3\text{Y}_2(\text{Si}_3\text{O}_9)_2\text{:Eu}^{2+},\text{Tb}^{3+}$ phosphors. CrystEngComm, 2016, 18, 68-76.		10
256	Synthesis and characterizations of novel $\text{Sr}_2\text{Gd}_8(\text{SiO}_4)_6\text{O}_2\text{:Eu}^{3+}$ oxyapatite phosphors for solid-state lighting and display applications. Journal of Alloys and Compounds, 2016, 660, 437-445.	2.8	40
257	Enhanced light extraction by heterostructure photonic crystals toward white-light-emission. Journal of Colloid and Interface Science, 2016, 465, 42-46.	5.0	10
258	Photoluminescence properties of a novel red emitting $\text{NaLaTi}_2\text{O}_6\text{:Eu}^{3+}$ phosphor. Journal of Materials Science: Materials in Electronics, 2016, 27, 724-729.	1.1	7
259	Energy transfer upconversion dynamics in $\text{YVO}_4\text{:Yb}^{3+},\text{Er}^{3+}$. Journal of Luminescence, 2016, 170, 560-570.	1.5	44
260	Enhanced emission via energy transfer in RE co-doped $\text{SiO}_2\text{-K}_2\text{F}_4$ nano-glass-ceramics for white LEDs. Journal of Alloys and Compounds, 2016, 658, 170-176.	2.8	21
261	Dual energy transfers and color tunable emission in $\text{Eu}^{2+}/\text{Tb}^{3+}/\text{Mn}^{2+}$ -triactivated $\text{Mg}_{21}\text{Ca}_4\text{Na}_4(\text{PO}_4)_{18}$ phosphors. Journal of Luminescence, 2016, 169, 367-373.	1.5	13
262	Band structure, energy transfer and temperature-dependent luminescence of novel blue emitting $\text{KBaYSi}_2\text{O}_7\text{:Eu}^{2+}$ phosphor. Journal of Alloys and Compounds, 2016, 654, 133-139.	2.8	46
263	A novel single-phase white phosphor $\text{NaBaBO}_3\text{:Dy}^{3+},\text{K}^{+}$ for near-UV white light-emitting diodes. Materials Research Bulletin, 2016, 73, 38-47.	2.7	25
264	A family of doped lanthanide metal-organic frameworks for wide-range temperature sensing and tunable white light emission. Journal of Materials Chemistry C, 2017, 5, 1981-1989.	2.7	125
265	Introducing Eu^{2+} into yellow phosphor $\text{LiBaB}_9\text{O}_{15}\text{:Ce}^{3+},\text{Dy}^{3+}$ as blue emitting source to realize white emission. Journal of Solid State Chemistry, 2017, 248, 26-31.	1.4	5
266	Two-Step Design of a Single-Doped White Phosphor with High Color Rendering. Journal of the American Chemical Society, 2017, 139, 1436-1439.	6.6	121
267	Morphology control of uniform CaMoO_4 microarchitectures and development of white light emitting phosphors by Ln doping (Ln = $\text{Dy}^{3+},\text{Eu}^{3+}$). CrystEngComm, 2017, 19, 1590-1600.	1.3	36
268	Cation-anion substitution induced spectral tuning and thermal stability optimization in $\text{Sr}_2\text{SiO}_4\text{:Eu}$ phosphors. RSC Advances, 2017, 7, 8230-8235.	1.7	10
269	Red/Blue-Shift Dual-Directional Regulation in Blue-Emitting $\text{Ca}_{0.8}\text{Ba}_{1.2}\text{SiO}_4\text{:Eu}^{2+}$ Phosphor on Incorporation of $\text{Eu}^{2+}/\text{Mg}^{2+}$ Ions. Journal of Electronic Materials, 2017, 46, 1777-1786.	1.0	9
270	Versatile host-sensitized white light emission in a single-component $\text{K}_3\text{ZnB}_5\text{O}_{10}\text{:Dy}^{3+}$ phosphor for ultraviolet converted light-emitting diodes. Journal of Alloys and Compounds, 2017, 699, 1108-1117.	2.8	35
271	A novel $\text{Eu}^{3+}/\text{Eu}^{2+}$ co-doped $\text{MgSrLa}_8(\text{SiO}_4)_6\text{O}_2$ single-phase white light phosphor for white LEDs. RSC Advances, 2017, 7, 1711-1717.	1.7	18
272	Multidoped Ln^{3+} gadolinium dioxycarbonates as tunable white light emitting phosphors. Dalton Transactions, 2017, 46, 2785-2792.	1.6	14

#	ARTICLE	IF	CITATIONS
273	Structure and luminescence behavior of a single-ion activated single-phased Ba ₂ Y ₃ (SiO ₄) ₃ F:Eu white-light phosphor. Journal of Materials Chemistry C, 2017, 5, 1789-1797.	2.7	81
274	Crystal structure and color point tuning of \hat{I}^2 -Sr _{1.98} Mg SiO ₄ -1.5N : 0.02Eu ²⁺ : A single-phase white light-emitting phosphor. Journal of Alloys and Compounds, 2017, 703, 486-499.	2.8	11
275	Synthesis, luminance and ultraviolet resistance of a copolymer phosphor of Eu-complex and siloxane in near UV-based LED. Research on Chemical Intermediates, 2017, 43, 4129-4143.	1.3	11
276	Single-component Eu ³⁺ –Tb ³⁺ –Gd ³⁺ -grafted polymer with ultra-high color rendering index white-light emission. RSC Advances, 2017, 7, 6762-6771.	1.7	21
277	An efficient rare-earth free deep red emitting phosphor for improving the color rendering of white light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 2927-2935.	2.7	88
278	Preparation and optical properties of a novel double-perovskite phosphor, Ba ₂ GdNbO ₆ :Mn ⁴⁺ , for light-emitting diodes. Ceramics International, 2017, 43, 6353-6362.	2.3	91
279	Deep red BaTiF ₄ :Mn ⁴⁺ phosphor: synthesis, optical properties and application for warm WLED devices. Journal of Materials Science: Materials in Electronics, 2017, 28, 8155-8159.	1.1	15
280	Lanthanide-Activated Phosphors Based on 4f-5d Optical Transitions: Theoretical and Experimental Aspects. Chemical Reviews, 2017, 117, 4488-4527.	23.0	702
281	Tunable and purified luminescence via energy transfer and delamination of LRH (R = Tb, Y) composites with 8-hydroxypyrene-1,3,6-trisulphonate. Journal of Colloid and Interface Science, 2017, 496, 353-363.	5.0	10
282	Highly Efficient White-Light Emission and UV-Visible/NIR Luminescence Sensing of Lanthanide Metal-Organic Frameworks. Crystal Growth and Design, 2017, 17, 2178-2185.	1.4	86
283	Anomalous spontaneous-reduction of Mn ⁷⁺ /Mn ⁴⁺ to Mn ²⁺ and luminescence properties in Zn ₂ GeO ₄ :Mn. Journal of Materials Chemistry C, 2017, 5, 3343-3351.	2.7	55
284	Perovskite CsPbBr _{1.2} I _{1.8} quantum dot alloying for application in white light-emitting diodes with excellent color rendering index. Journal of Alloys and Compounds, 2017, 708, 517-523.	2.8	38
285	White-light emission from discrete heterometallic lanthanide-directed self-assembled complexes in solution. Chemical Science, 2017, 8, 3419-3426.	3.7	59
286	The design and preparation of the thermally stable, Mn ⁴⁺ ion activated, narrow band, red emitting fluoride Na ₃ GaF ₆ :Mn ⁴⁺ for warm WLED applications. Journal of Materials Chemistry C, 2017, 5, 2910-2918.	2.7	138
287	A full-color emitting phosphor Ca ₉ Ce(PO ₄) ₇ :Mn ²⁺ , Tb ³⁺ : Efficient energy transfer, stable thermal stability and high quantum efficiency. Chemical Engineering Journal, 2017, 322, 314-327.	6.6	82
288	Single phase GdPO ₄ :Dy ³⁺ microspheres blue, yellow and white light emitting phosphor. Journal of Alloys and Compounds, 2017, 714, 144-153.	2.8	29
289	A peculiar layered 12-fold cationic coordination compound LiInTi ₂ O ₆ : phase relations, crystal structure and color-tunable photoluminescence. RSC Advances, 2017, 7, 22156-22169.	1.7	13
290	Remarkably Enhancing Green-Excitation Efficiency for Solar Energy Utilization: Red Phosphors Ba ₂ ZnS ₃ :Eu ²⁺ , X ⁺ -Co-Doped Halide Ions (X = Cl, Br, I). Inorganic Chemistry, 2017, 56, 5720-5727.	1.9	19

#	ARTICLE	IF	CITATIONS
291	Judd–Ofelt analysis, structural and spectroscopic properties of sol-gel derived LaNbO ₄ :Dy ³⁺ phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10250-10261.	1.1	6
292	Fine Tuning of Multicolored Photoluminescence in Crystalline Magnetic Materials Constructed of Trimetallic Eu _x Tb _{1-x} [Co(CN) ₆] Cyanido-Bridged Chains. <i>Inorganic Chemistry</i> , 2017, 56, 5239-5252.	1.9	47
293	Multicolor and white light emitting Tb ³⁺ /Sm ³⁺ co-doped zinc phosphate barium titanate glasses via energy transfer for optoelectronic device applications. <i>Journal of Alloys and Compounds</i> , 2017, 719, 116-124.	2.8	53
294	Structure, morphology and optical characterization of Dy ³⁺ -doped BaYF ₅ nanocrystals for warm white light emitting devices. <i>Optical Materials</i> , 2017, 70, 16-24.	1.7	36
295	Red to white polymer light-emitting diode (PLED) based on Eu ³⁺ –Zn ²⁺ –Gd ³⁺ -containing metallopolymer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4780-4787.	2.7	22
296	Multi-wavelength excited white-emitting K ₂ Gd(1-x)(PO ₄)(WO ₄):xDy ³⁺ phosphors with satisfactory thermal properties for UV-LEDs. <i>RSC Advances</i> , 2017, 7, 23083-23092.	1.7	30
297	Luminescent properties of single-phase Ba ₂ P ₂ O ₇ :Tb ³⁺ , R (R = Eu ²⁺ , Ce ³⁺) phosphors for white LED. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 10061-10066.	1.1	9
298	White emission thin films based on rationally designed supramolecular coordination polymers. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5083-5089.	2.7	12
299	The role of oxygen defects in a bismuth doped ScVO ₄ matrix: tuning luminescence by hydrogen treatment. <i>Journal of Materials Chemistry C</i> , 2017, 5, 314-321.	2.7	15
300	Controlled hydrothermal synthesis and luminescent properties of Y ₂ WO ₆ :Eu ³⁺ nanophosphors for light-emitting diodes. <i>Journal of Materials Science</i> , 2017, 52, 3110-3123.	1.7	32
301	Using rare earth ions to improve the luminescence properties of the defect-related luminescent material Zn ₃ Al ₂ Ge ₂ O ₁₀ . <i>New Journal of Chemistry</i> , 2017, 41, 7400-7406.	1.4	8
302	Preparation and temperature-dependent photoluminescence properties of ScF ₃ :Eu ³⁺ submicroparticles. <i>New Journal of Chemistry</i> , 2017, 41, 7915-7923.	1.4	15
303	Evaluation of the role of oxygen vacancies in La ₃ GaGe ₅ O ₁₆ :Tb ³⁺ persistent phosphor. <i>Modern Physics Letters B</i> , 2017, 31, 1750144.	1.0	4
304	Photonic Tuning of the Emission Color of Nanophosphor Films Processed at High Temperature. <i>Advanced Optical Materials</i> , 2017, 5, 1700099.	3.6	21
305	Enhanced reddish-orange emission in NaBa ₄ (BO ₃) ₃ : Sm ³⁺ /Ce ³⁺ phosphors for near-ultraviolet and blue LEDs. <i>Journal of Materials Science</i> , 2017, 52, 9764-9772.	1.7	9
306	A Potential Red-Emitting Phosphor BaZrGe ₃ O ₉ :Eu ³⁺ for WLED and FED Applications: Synthesis, Structure, and Luminescence Properties. <i>Inorganic Chemistry</i> , 2017, 56, 6990-6998.	1.9	155
307	Crystal Structure and Luminescence Properties of Rare Earth Doped Ba ₂ Bi _{2/3} TeO ₆ Double Perovskites. <i>Materials Today: Proceedings</i> , 2017, 4, 4396-4402.	0.9	12
308	Color tuning in (Ca _{1-x} Sr _x) ₈ MgLu(PO ₄) ₇ :Eu ²⁺ , Mn ²⁺ phosphor via host composition design and energy transfer. <i>Ceramics International</i> , 2017, 43, 9117-9123.	2.3	19

#	ARTICLE	IF	CITATIONS
309	Ba ₂ YNbO ₆ :Mn ⁴⁺ -based red phosphor for warm white light-emitting diodes (WLEDs): Photoluminescent and thermal characteristics. <i>Optical Materials</i> , 2017, 70, 144-152.	1.7	83
310	Energy transfer mechanism for generation of white light in Tb ³⁺ -doped calcium aluminosilicate amorphous powder. <i>Journal of Luminescence</i> , 2017, 190, 249-253.	1.5	5
311	A study of energy transfer phenomenon leading to photon up-conversion in Ho ³⁺ :Yb ³⁺ :CaF ₂ crystalline powders and its temperature sensing properties. <i>Current Applied Physics</i> , 2017, 17, 1223-1231.	1.1	15
312	Aluminate Red Phosphor in Light-Emitting Diodes: Theoretical Calculations, Charge Varieties, and High-Pressure Luminescence Analysis. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23995-24004.	4.0	49
313	White Light Emission from Black Germanium. <i>ACS Photonics</i> , 2017, 4, 1722-1729.	3.2	11
314	Site occupancy and luminescence properties of Ca ₃ Ln(AiO) ₃ (BO ₃) ₄ :Ce ³⁺ , Tb ³⁺ , Mn ²⁺ (Ln = Y, Gd). <i>Journal of Materials Chemistry C</i> , 2017, 5, 4578-4583.	1.8	18
315	Efficient energy back transfer from Ce ³⁺ 5d state to Pr ³⁺ 1 D ₂ level in Lu ₃ Al ₅ O ₁₂ upon Pr ³⁺ 4f ⁵ d excitation. <i>Journal of Luminescence</i> , 2017, 186, 170-174.	1.5	10
316	Synthesis and photoluminescence of Eu ³⁺ -doped CaGd ₂ (WO ₄) ₄ novel red phosphors for white LEDs applications. <i>Optical Materials</i> , 2017, 66, 253-260.	1.7	44
317	Single-component Zn ²⁺ -Eu ³⁺ -Tb ³⁺ -containing and Zn ²⁺ -Eu ³⁺ -Tb ³⁺ -Gd ³⁺ -containing metallopolymer-type materials with ultra-high color rendering index white-light. <i>Dyes and Pigments</i> , 2017, 141, 137-147.	2.0	11
318	Single-phased trichromatic white light-emitting Ca ₆ Ba ₄ O ₁₇ :Sm ³⁺ , Ce ³⁺ , Eu ²⁺ phosphor for UV-light-emitting diodes. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	9
319	Photoluminescence Characteristics of Green-emitting ZnGa ₂ S ₄ :Eu and EuGa ₂ S ₄ Phosphors. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 493-498.	1.0	1
320	Study on luminescence and thermal stability of blue-emitting Sr ₅ (PO ₄) ₃ F:Eu ²⁺ phosphor for application in InGaN-based LEDs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 221, 10-16.	1.7	21
321	Synthesis and characterizations of novel Ba ₂ La ₈ (SiO ₄) ₆ O ₂ :Eu ³⁺ oxyapatite phosphors. <i>Dyes and Pigments</i> , 2017, 142, 272-276.	2.0	38
322	Luminescence properties and energy transfer in Tb ³⁺ and Eu ³⁺ co-doped Ba ₂ P ₂ O ₇ phosphors. <i>RSC Advances</i> , 2017, 7, 15222-15227.	1.7	47
323	Charge compensated derived enhanced red emission from Sr ₃ (VO ₄) ₂ :Eu ³⁺ nanophosphors for white light emitting diodes and flat panel displays. <i>Journal of Alloys and Compounds</i> , 2017, 709, 362-372.	2.8	41
324	Structure and luminescence investigations on the chromophore intercalated layered rare-earth hydroxides hybrids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 335, 268-275.	2.0	11
325	Selective Binding of Genomic <i>Escherichia coli</i> DNA with ZnO Leads to White Light Emission: A New Aspect of Nano-Bio Interaction and Interface. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 644-657.	4.0	19
326	Tunable white light of multi-cation-site Na ₂ BaCa(PO ₄) ₂ :Eu, Mn phosphor: synthesis, structure and PL/CL properties. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1184-1194.	2.7	52

#	ARTICLE	IF	CITATIONS
327	A Complementary Aggregation Induced Emission Pair for Generating White Light and Four-Colour (RGB) Tj ETQq 0 0 rgBT /Overlock 1	1.5	11
328	Effect of transition metal ion (Nb 5+) doping on the luminescence properties of self-activated Ca ₂ AgZn ₂ V ₃ O ₁₂ phosphors. Journal of Alloys and Compounds, 2017, 699, 756-762.	2.8	9
329	Color-tunable luminescence and energy transfer behaviors of Dy ³⁺ /Eu ³⁺ co-doped SrLaMgTaO ₆ phosphors for solid state lighting applications. Materials Research Bulletin, 2017, 88, 166-173.	2.7	61
330	Efficient energy transfer and luminescence properties of Ca ₃ Y(CaO) ₃ (BO ₃) ₄ :Tb ³⁺ ,Eu ³⁺ as a green-to-red colour tunable phosphor under near-UV excitation. Dalton Transactions, 2017, 46, 1885-1891.	1.6	64
331	A novel approach to obtain highly intense self-activated photoluminescence emissions in hydroxyapatite nanoparticles. Journal of Solid State Chemistry, 2017, 249, 64-69.	1.4	24
332	Changing Ce ³⁺ Content and Codoping Mn ²⁺ Induced Tunable Emission and Energy Transfer in Ca _{2.5} Sr _{0.5} Al ₂ O ₆ :Ce ³⁺ ,Mn ²⁺ . Inorganic Chemistry, 2017, 56, 241-251.	1.9	81
333	Carbon dots with efficient solid-state photoluminescence towards white light-emitting diodes. Journal of Materials Chemistry C, 2017, 5, 11416-11420.	2.7	98
334	Multichannel Luminescence Properties of Mixed-Valent Eu ²⁺ /Eu ³⁺ Coactivated SrAl ₃ BO ₇ Nanocrystalline Phosphors for Near-UV LEDs. Inorganic Chemistry, 2017, 56, 13829-13841.	1.9	67
335	Simultaneously tuning the emission color and improving thermal stability <i>via</i> energy transfer in apatite-type phosphors. Journal of Materials Chemistry C, 2017, 5, 11910-11919.	2.7	55
336	Relationships between luminescence properties and polyhedron distortion in Ca _{9-x} Mg _x Sr _y Ba _z Ce(PO ₄) ₇ :Eu ²⁺ M Journal of Materials Chemistry C, 2017, 5, 10839-10846.	2.7	55
337	A remote phosphor film of silicate-poly(styrene-co-glycidyl methacrylate) composites for NUV chip-based white LED. Journal of Alloys and Compounds, 2017, 729, 117-125.	2.8	3
338	Structural and optical properties of un-doped and doped Sr ₃ Al ₂ O ₆ obtained through the tartarate precursor method. Ceramics International, 2017, 43, 16668-16675.	2.3	6
339	Improvement of thermal stability and photoluminescence in Sr _{0.8} Ca _{0.2} Al ₂ Si ₂ O ₈ :Eu ²⁺ by the substitution of Si ⁴⁺ Na ⁺ Al ³⁺ Sr and Ca ²⁺ Sr for structural modifications. Dalton Transactions, 2017, 46, 14310-14317.	1.6	16
340	Synthesis and luminescence properties of new red phosphor YBiW ₂ O ₉ :Eu ³⁺ . Functional Materials Letters, 2017, 10, 1750066.	0.7	6
341	Energy transfer and thermal stability of Ce ³⁺ , Tb ³⁺ co-doped Ca ₃ Si ₂ O ₄ N ₂ phosphors for white light-emitting diodes. Chemical Physics Letters, 2017, 690, 31-37.	1.2	27
342	Chemically Tunable, All-Inorganic-Based White-Light Emitting OD-1D Heterostructures. Advanced Optical Materials, 2017, 5, 1700089.	3.6	3
343	Solid state synthesis of CaTiO ₃ :Dy ³⁺ /Eu ³⁺ phosphors towards white light emission. Chemical Physics Letters, 2017, 686, 78-82.	1.2	43
344	Efficient Energy Transfer in Terbium Complexes/Porous Boron Nitride Hybrid Luminescent Materials. Journal of Physical Chemistry C, 2017, 121, 19915-19921.	1.5	22

#	ARTICLE	IF	CITATIONS
345	Abnormal site occupancy and high performance in warm WLEDs of a novel red phosphor, NaHF ₂ :Mn ⁴⁺ , synthesized at room temperature. Dalton Transactions, 2017, 46, 13835-13844.	1.6	38
346	Tunable luminescence mediated by energy transfer in Tm ³⁺ /Dy ³⁺ co-doped phosphate glasses under UV excitation. Optical Materials, 2017, 73, 535-540.	1.7	34
347	Eu ³⁺ -Doped glass ceramics containing NaTbF ₄ nanocrystals: controllable glass crystallization, Tb ³⁺ -bridged energy transfer and tunable luminescence. Journal of Materials Chemistry C, 2017, 5, 10201-10210.	2.7	28
348	Color-tunable to direct white-light and application for white polymer light-emitting diode (WPLED) of organo-Eu ³⁺ - and organo-Tb ³⁺ -doping polymer. Journal of Luminescence, 2017, 192, 1089-1095.	1.5	11
349	Color - Tunable Phosphors in Weberite Type System, La ₃ SbO ₇ :Bi ³⁺ , Eu ³⁺ for Near-UV LED Applications. ChemistrySelect, 2017, 2, 7602-7611.	0.7	5
350	Toward Bi ³⁺ Red Luminescence with No Visible Reabsorption through Manageable Energy Interaction and Crystal Defect Modulation in Single Bi ³⁺ -Doped ZnWO ₄ Crystal. Chemistry of Materials, 2017, 29, 8412-8424.	3.2	148
351	Octahedral Yb(ⁱⁱⁱ) complexes embedded in [Co ^{III} (CN) ₆]-bridged coordination chains: combining sensitized near-infrared fluorescence with slow magnetic relaxation. Dalton Transactions, 2017, 46, 13668-13672.	1.6	37
352	White light emissive bipolar ligand and their Eu III complex for white/red light emitting diodes. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 347, 26-40.	2.0	34
353	Europium-doped NaGd(WO ₄) ₂ nanophosphors: synthesis, luminescence and their coating with fluorescein for pH sensing. Dalton Transactions, 2017, 46, 11575-11583.	1.6	26
354	Effect of La ³⁺ ion doping on the performance of Eu ²⁺ ions in novel Sr ₃ CeNa(PO ₄) ₂ SiO ₄ phosphors. Journal of Alloys and Compounds, 2017, 724, 763-773.	2.8	12
355	Tunable White-Light Emission in Single-Cation-Templated Three-Layered 2D Perovskites (CH ₃ CH ₂ NH ₃) ₄ Pb ₃ Br ₁₀ Cl ₃ . Journal of the American Chemical Society, 2017, 139, 11956-11963.	3.1	31
356	Single-component small-molecule white light organic phosphors. Chemical Communications, 2017, 53, 9269-9272.	2.2	55
357	Synthesis, electronic structure and luminescent properties of a new red-emitting phosphor GdB ₂ W ₂ O ₉ :Eu ³⁺ . Chemical Physics Letters, 2017, 685, 177-184.	1.2	7
358	Introduction of Red-Green-Blue Fluorescent Dyes into a Metal-Organic Framework for Tunable White Light Emission. Advanced Materials, 2017, 29, 1700778.	11.1	219
359	Temperature dependent photoluminescence of Dy ³⁺ doped LiCaBO ₃ phosphor. Journal of Materials Science: Materials in Electronics, 2017, 28, 17168-17176.	1.1	22
360	Giant Enhancement of Luminescence from Phosphors through Oxygen-Vacancy-Mediated Chemical Pressure Relaxation. Advanced Optical Materials, 2017, 5, 1700448.	3.6	21
361	First observation of mutual energy transfer of Mn ⁴⁺ → Er ³⁺ via different excitation in Gd ₂ ZnTiO ₆ :Mn ⁴⁺ /Er ³⁺ phosphors. Journal of Materials Chemistry C, 2017, 5, 9098-9105.	2.7	57
362	Multicolour and nearly white light emission in YPO _{0.8} VO ₂ O ₄ :Sm ³⁺ nanorods: Controlled energy transfer. Journal of Alloys and Compounds, 2017, 726, 1161-1167.	2.8	14

#	ARTICLE	IF	CITATIONS
363	Surface Complexed ZnO Quantum Dot for White Light Emission with Controllable Chromaticity and Color Temperature. <i>Langmuir</i> , 2017, 33, 14627-14633.	1.6	24
364	Ce ³⁺ Sensitized Tm ³⁺ /Mn ²⁺ Doped NaYF ₄ Colloidal Nanocrystals: Intense Cool White Light from a Phosphor-Coated UV LED. <i>Chemistry - A European Journal</i> , 2017, 23, 18134-18139.	1.7	8
365	Excitation-dependent local symmetry reversal in single host lattice Ba ₂ A(BO ₃) ₂ :Eu ³⁺ [A = Mg and Ca] phosphors with tunable emission colours. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17383-17395.	1.3	11
366	Zinc quinolate complex decorated CuInS ₂ /ZnS core/shell quantum dots for white light emission. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7291-7296.	2.7	17
367	Rare earth based nanostructured materials: synthesis, functionalization, properties and bioimaging and biosensing applications. <i>Nanophotonics</i> , 2017, 6, 881-921.	2.9	137
368	Luminescence Modulation, White Light Emission, and Energy Transfer in a Family of Lanthanide Metal-Organic Frameworks Based on a Planar π -Conjugated Ligand. <i>Crystal Growth and Design</i> , 2017, 17, 4217-4224.	1.4	82
369	Photoluminescence and charge compensation effects in Lu ₃ MgyAl ₅ SiO ₁₂ :Ce ³⁺ phosphors for white LEDs. <i>Journal of Alloys and Compounds</i> , 2017, 695, 567-573.	2.8	6
370	An efficient orange-red emitting LiNa ₃ P ₂ O ₇ :Sm ³⁺ pyrophosphate: Structural and optical analysis for solid-state lighting. <i>Luminescence</i> , 2017, 32, 772-778.	1.5	6
371	White Light Emitting MZr ₄ (PO ₄) ₆ :Dy ³⁺ (M = Ca, Sr, Ba) Phosphors for WLEDs. <i>Journal of Fluorescence</i> , 2017, 27, 575-585.	1.3	30
372	Improved photoluminescence intensity and thermal stability brought by increasing Eu ³⁺ content in KBaY _{1-x} Eu _x Si ₂ O ₇ solid-solution phosphors. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2745-2750.	2.8	23
373	Synthesis and spectroscopic investigation of Ba ₃ La ₆ (SiO ₄) ₆ :Eu ²⁺ green phosphors for white light-emitting diodes. <i>Chemical Engineering Journal</i> , 2017, 309, 795-801.	6.6	95
374	Color tuning of Lu ₃ Al ₅ O ₁₂ :Dy ³⁺ ceramic-based white light-emitting phosphors via Yb incorporation. <i>Journal of the European Ceramic Society</i> , 2017, 37, 229-237.	2.8	15
375	Photoluminescence properties and thermal stability of blue-emitting Ba _{5-x} Cl(PO ₄) ₃ :x Eu ²⁺ (0.004) Tj ETQq0.0.0 rgBT /Overlock 171, 126-131.	2.0	17
376	Effect of charge compensator ion on dysprosium doped di-calcium magnesium di-silicate phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 892-902.	1.1	4
377	Dazzling red emission from TiO ₂ nanoparticles impregnated co-doped Gd ³⁺ +Eu ³⁺ : PVA polymer nanocomposites for photonic applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 45, 349-359.	2.9	12
378	Design of Single-Phased Multicolor-Emission Phosphor for LED. , 2017, , 459-508.		4
379	First-Principles Calculation of Luminescent Materials. , 2017, , 173-218.		1
380	Tailored photoluminescence properties of a red phosphor BaSnF ₆ :Mn ⁴⁺ synthesized from Sn metal at room temperature and its formation mechanism. <i>Materials Research Bulletin</i> , 2017, 86, 57-62.	2.7	26

#	ARTICLE	IF	CITATIONS
381	The structure refinement and fluorescent quenching mechanism of Sr ₃ B ₂ SiO ₈ :xEu ³⁺ phosphor. <i>Journal of Materials Science</i> , 2017, 52, 1156-1164.	1.7	7
382	YAG:Dy Based single white light emitting phosphor produced by solution combustion synthesis. <i>Journal of Luminescence</i> , 2017, 183, 251-258.	1.5	19
383	Synthesis and photoluminescence control of Ca _{10.5} Lax(PO ₄) ₇ :Eu ²⁺ phosphors by aliovalent cation substitution. <i>Journal of Solid State Chemistry</i> , 2017, 246, 194-198.	1.4	13
384	Discovery of novel solid solution Ca ₃ Si ₃ O _{3+x} N ₄ :Eu ²⁺ phosphors: structural evolution and photoluminescence tuning. <i>Scientific Reports</i> , 2017, 7, 18103.	1.6	19
385	Luminescence and energy transfer of Sb ³⁺ /Dy ³⁺ co-doped magnesium sodium-phosphate glasses. <i>Optical Materials Express</i> , 2017, 7, 2899.	1.6	17
386	Lanthanide Photoluminescence in Heterometallic Polycyanidometallate-Based Coordination Networks. <i>Molecules</i> , 2017, 22, 1902.	1.7	52
387	Single-phase tunable white-light-emitting Sr ₃ La(PO ₄) ₃ :Eu ²⁺ , Mn ²⁺ phosphor for white LEDs. <i>Applied Optics</i> , 2017, 56, 1167.	2.1	17
388	Color-tunable emission by cation substitution in Ba ₃ Sr _y Y ₄ O ₉ :Bi ³⁺ and sites occupation preference. <i>Materials Research Bulletin</i> , 2018, 102, 8-15.	2.7	9
389	Controlling the energy transfer via multi luminescent centers to achieve white/tunable light in a single-phased Sc ₂ O ₃ :Bi ³⁺ ,Eu ³⁺ phosphor. <i>Ceramics International</i> , 2018, 44, 9823-9829.	2.3	9
390	Novel high-brightness and thermal-stable Ca ₃ Gd(AlO) ₃ (BO ₃) ₄ :Eu ³⁺ red phosphors with high colour purity for NUV-pumped white LEDs. <i>Dyes and Pigments</i> , 2018, 154, 252-256.	2.0	61
391	Discrepancy in the quantitative oxidation-state analysis of Eu species in sulfide phosphors by K-, L ₁ - and L ₃ -edge XANES spectrometry: choice of absorption edge and measurement mode. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 585-592.	1.6	4
392	Tunable luminescence and energy transfer for Ce ³⁺ /Tb ³⁺ /Sm ³⁺ doped SrAl ₂ Si ₂ O ₈ phosphors. <i>Ceramics International</i> , 2018, 44, 10015-10019.	2.3	27
393	Effects of Tb ³⁺ doping on luminescence properties of NaMg ₄ (PO ₄) ₃ :Eu ²⁺ . <i>Journal of Luminescence</i> , 2018, 198, 405-409.	1.5	8
394	Solvent directed morphologies and enhanced luminescent properties of BaWO ₄ :Tm ³⁺ , Dy ³⁺ for white light emitting diodes. <i>Solid State Sciences</i> , 2018, 79, 85-92.	1.5	10
395	Ce ³⁺ and Tb ³⁺ doped Ca ₃ Gd(AlO) ₃ (BO ₃) ₄ phosphors: synthesis, tunable photoluminescence, thermal stability, and potential application in white LEDs. <i>RSC Advances</i> , 2018, 8, 9879-9886.	1.7	29
396	Homometallic Ln(III)-complexes from an ILCT ligand with sensitized vis-NIR emission, excitation-dependent PL color tuning and white-light emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3254-3259.	2.7	38
397	Luminescence and energy transfer of white emitting phosphor Ba ₃ Ce(PO ₄) ₃ :Dy ³⁺ . <i>Optik</i> , 2018, 170, 272-277.	1.4	11
398	Tunable Multicolor Phosphorescence of Crystalline Polymeric Complex Salts with Metallophilic Backbones. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6279-6283.	7.2	57

#	ARTICLE	IF	CITATIONS
399	Synthesis and luminescence properties of single-component $\text{Ca}_5(\text{PO}_4)_3\text{F:Dy}^{3+}, \text{Eu}^{3+}$ white-emitting phosphors. <i>Journal of the American Ceramic Society</i> , 2018, 101, 4582-4590.	1.9	21
400	High Color Rendering Index White-Light Emission from UV-Driven LEDs Based on Single Luminescent Materials: Two-Dimensional Perovskites ($\text{C}_6\text{H}_5\text{C}_2\text{H}_4\text{NH}_3$) ₂ PbBr _x Cl _{2-x} . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15980-15987.	4.0	75
401	A color tunable and white light emitting $\text{Ca}_2\text{Si}_5\text{N}_8\text{:Ce}^{3+}, \text{Eu}^{2+}$ phosphor via efficient energy transfer for near-UV white LEDs. <i>Dalton Transactions</i> , 2018, 47, 6860-6867.	1.6	51
402	Morphology control and photoluminescence properties of Eu^{3+} -activated $\text{Y}_4\text{Al}_2\text{O}_9$ nanophosphors for solid state lighting applications. <i>CrystEngComm</i> , 2018, 20, 2540-2552.	1.3	29
403	Blue photons excited highly chromatic red light emitting $\text{K}_3\text{La}(\text{PO}_4)_2\text{:Pr}^{3+}$ phosphors for white light emitting diodes. <i>Materials Research Bulletin</i> , 2018, 103, 173-180.	2.7	35
404	Luminescent properties of Dy^{3+} and/or Eu^{3+} doped $\text{Mg}_2\text{Al}_4\text{Si}_5\text{O}_{18}$ phosphors and energy transfer between $\text{Dy}^{3+}/\text{Eu}^{3+}$ ion pairs. <i>Journal of Luminescence</i> , 2018, 197, 164-168.	1.5	49
405	Synthesis and photoluminescence properties of novel highly thermal-stable red-emitting $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3\text{:Eu}^{3+}$ phosphors for UV-excited white-light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2018, 741, 300-306.	2.8	247
406	Down-Conversion Nitride Materials for Solid State Lighting: Recent Advances and Perspectives. <i>Chemical Reviews</i> , 2018, 118, 1951-2009.	23.0	598
407	Tunable single-host full-color-emitting $\text{Ca}_9\text{Zn}_{1.5}(\text{PO}_4)_7\text{:Eu, Tb}$ phosphor via $\text{Eu}^{2+}/\text{Eu}^{3+}$ dual-emitting. <i>Journal of Luminescence</i> , 2018, 198, 1-9.	1.5	21
408	Controllable synthesis of lanthanide Yb^{3+} and Er^{3+} co-doped AWO_4 (A = Ca, Sr, Ba) micro-structured materials: phase, morphology and up-conversion luminescence enhancement. <i>Dalton Transactions</i> , 2018, 47, 8611-8618.	1.6	27
409	Neutralizing the Charge Imbalance Problem in Eu^{3+} -Activated BaAl_2O_4 Nanophosphors: Theoretical Insights and Experimental Validation Considering K^{+} Codoping. <i>ACS Omega</i> , 2018, 3, 788-800.	1.6	47
410	A lead-free semiconducting hybrid with ultra-high color rendering index white-light emission. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2801-2805.	2.7	23
411	Dy^{3+} Doped $\text{Ca}_9\text{Gd}(\text{PO}_4)_7$: a novel single-phase full-color emitting phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 6548-6555.	1.1	34
412	Tunable emission from green to red in the $\text{GdSr}_2\text{AlO}_5\text{:Tb}^{3+}, \text{Eu}^{3+}$ phosphor via efficient energy transfer. <i>RSC Advances</i> , 2018, 8, 3530-3535.	1.7	38
413	Tune color of single-phase $\text{LiGd}(\text{MoO}_4)_2\text{-X}(\text{WO}_4)_\text{X}:\text{Sm}^{3+}, \text{Tb}^{3+}$ via adjusting the proportion of matrix and energy transfer to create white-light phosphor. <i>Solid State Sciences</i> , 2018, 77, 20-26.	1.5	15
414	Tunable luminescent spectra via energy transfers between different lattice sites in $\text{Ce}^{3+}, \text{Mn}^{2+}$ codoped $\text{Ba}_9\text{Lu}_2\text{Si}_6\text{O}_{24}$ phosphors for NUV-based warm white LED applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4547-4556.	1.1	4
415	Novel $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3\text{:Ce}^{3+}, \text{Tb}^{3+}$ phosphors for white LEDs: Tunable blue-green color emission, high quantum efficiency and excellent thermal stability. <i>Dyes and Pigments</i> , 2018, 151, 81-88.	2.0	142
416	Applicability Evaluation of Bright Green-Emitting Carbon Dots in the Solid State for White Light-Emitting Diodes. <i>Chemistry - an Asian Journal</i> , 2018, 13, 292-298.	1.7	30

#	ARTICLE	IF	CITATIONS
417	Energy transfer and tunable emission of Ca ₁₄ Al ₁₀ Zn ₆ O ₃₅ :Bi ³⁺ ,Sm ³⁺ phosphor. Materials Research Bulletin, 2018, 100, 56-61.	2.7	28
418	Ultra-stable, cationic three-dimensional lead bromide frameworks that intrinsically emit broadband white-light. Chemical Science, 2018, 9, 1627-1633.	3.7	56
419	Role of Dy ³⁺ → Sm ³⁺ energy transfer in the tuning of warm to cold white light emission in Dy ³⁺ /Sm ³⁺ co-doped Lu ₃ Ga ₅ O ₁₂ nano-garnets. New Journal of Chemistry, 2018, 42, 1260-1270.	1.4	36
420	Realizing highly efficient multicolor tunable emissions from Tb ³⁺ and Eu ³⁺ co-doped CaGd ₂ (WO ₄) ₄ phosphors via energy transfer by single ultraviolet excitation for lighting and display applications. Dyes and Pigments, 2018, 151, 202-210.	2.0	54
421	White Light Emission and Enhanced Color Stability in a Single-Component Host. ACS Applied Materials & Interfaces, 2018, 10, 18066-18072.	4.0	117
422	A single-phased warm-white-emitting K ₃ Y(PO ₄) ₂ :Dy ³⁺ ,Sm ³⁺ phosphor with tuneable photoluminescence for near-UV-excited white LEDs. Dyes and Pigments, 2018, 157, 72-79.	2.0	49
423	Mixing Halogens To Assemble an All-Inorganic Layered Perovskite with Warm White Light Emission. Chemistry - A European Journal, 2018, 24, 9243-9246.	1.7	17
424	Synthesis and photoluminescence characteristics of near white light emitting CaB ₂ O ₄ :Dy ³⁺ , Li ⁺ phosphor. Journal of Physics and Chemistry of Solids, 2018, 119, 166-174.	1.9	21
425	Simultaneous multi-wavelength ultraviolet excited single-phase white light emitting phosphor Ba _{1-x} (Zr,Ti)Si ₃ O ₉ :xEu. Optical Materials, 2018, 79, 53-62.	1.7	6
426	Tunable emission and energy transfer in single-phased Ba ₉ Lu ₂ Si ₆ O ₂₄ :Bi ³⁺ ,Eu ³⁺ for UV W-LEDs. Journal of Luminescence, 2018, 197, 291-296.	1.5	44
427	Broad color tuning and Eu ³⁺ -related photoemission enhancement <i>via</i> controllable energy transfer in the La ₂ MgGeO ₆ :Eu ³⁺ ,Bi ³⁺ phosphor. Inorganic Chemistry Frontiers, 2018, 5, 1076-1084.	3.0	53
428	Structural construction and photoluminescence tuning <i>via</i> energy transfer in apatite-type solid-state phosphors. Journal of Materials Chemistry C, 2018, 6, 4371-4383.	2.7	65
429	Synthesis and photoluminescence properties of red-emitting NaLaMgWO ₆ :Sm ³⁺ ,Eu ³⁺ phosphors for white LED applications. Journal of Luminescence, 2018, 199, 323-330.	1.5	61
430	Energy transfer and photoluminescent analysis of a novel color-tunable Ba ₂ Y _{1-x} V ₃ O ₁₁ :xEu ³⁺ nanophosphor for single-phased phosphor-converted white LEDs. Ceramics International, 2018, 44, 10531-10538.	2.3	26
431	A potential green emitting citrate gel synthesized NaSrBO ₃ :Tb ³⁺ phosphor for display application. Physica B: Condensed Matter, 2018, 535, 189-193.	1.3	9
432	Bond energy, preferential occupancy and spontaneous reduction ability of Eu ³⁺ doped in CaAl ₂ Si ₂ O ₈ . Journal of Alloys and Compounds, 2018, 731, 496-503.	2.8	30
433	Two-step synthetic route towards monodisperse vernier yttrium oxyfluoride with multicolour fluorescence. Journal of Alloys and Compounds, 2018, 739, 972-978.	2.8	7
434	Crystal structure, energy transfer and tunable luminescence of Ca ₈ (Mg,Zn)Ce(PO ₄) ₇ :Eu ²⁺ solid solution phosphor. Journal of Luminescence, 2018, 194, 359-365.	1.5	9

#	ARTICLE	IF	CITATIONS
435	Novel photoluminescence properties of Eu ³⁺ doped chlorapatite phosphor synthesized via sol-gel method. <i>Materials Research Bulletin</i> , 2018, 97, 466-472.	2.7	15
436	Critical Reviewâ€”Narrow-Band Emission of Nitride Phosphors for Light-Emitting Diodes: Perspectives and Opportunities. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, R3111-R3133.	0.9	62
437	Energy transfer and color tunable emission in Tb ³⁺ ,Eu ³⁺ co-doped Sr ₃ LaNa(PO ₄) ₃ F phosphors. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 190, 246-252.	2.0	37
438	Pure white light emission and charge transfer in organogels of symmetrical and unsymmetrical Î€-chromophoric oligo- <i>p</i> -(phenyleneethynylene) bola-amphiphiles. <i>Chemical Communications</i> , 2018, 54, 275-278.	2.2	24
439	Multicolour tunable luminescence of thermal-stable Ce ³⁺ /Tb ³⁺ /Eu ³⁺ -triacivated Ca ₃ Gd(GaO) ₃ (BO ₃) ₄ phosphors via Ce ³⁺ â†’ Tb ³⁺ â†’ Eu ³⁺ energy transfer for near-UV WLEDs applications. <i>Ceramics International</i> , 2018, 44, 4915-4923.	2.3	97
440	Thermometric analysis of the near-infrared emission from Er ³⁺ in yttrium silicate powders containing Mg ²⁺ . <i>Journal of Alloys and Compounds</i> , 2018, 735, 1629-1636.	2.8	3
441	Novel highly efficient single-component multi-peak emitting aluminosilicate phosphors co-activated with Ce ³⁺ , Tb ³⁺ and Eu ²⁺ : luminescence properties, tunable color, and thermal properties. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1591-1607.	1.3	49
442	Designed synthesis, morphology evolution and enhanced photoluminescence of a highly efficient red dodeca-fluoride phosphor, Li ₃ Na ₃ Ga ₂ F ₁₂ :Mn ⁴⁺ , for warm WLEDs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 491-499.	2.7	109
443	VUV/Vis Photoluminescence, Site Occupancy, and Thermalâ€”Resistance Properties of K ₄ SrSi ₃ O ₉ :Ce ³⁺ . <i>Chemistry - A European Journal</i> , 2018, 24, 1287-1294.	1.7	15
444	Synthesis, luminescent properties and energy transfer in Tb ³⁺ and Eu ³⁺ co-doped Li ₃ Ba ₂ Gd ₃ (MoO ₄) ₈ phosphors for W-LEDâ€™s. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2363-2371.	1.1	4
445	White light emission based on both upconversion and thermal processes from Nd ³⁺ doped yttrium silicate. <i>Ceramics International</i> , 2018, 44, 3541-3547.	2.3	15
446	Achieving white light emission and increased magnetic anisotropy by transition metal substitution in functional materials based on dinuclear Dy ^{III} (4-pyridone)[M ^{III} (CN) ₆] ³⁻ (M = Co, Rh) molecules. <i>Journal of Materials Chemistry C</i> , 2018, 6, 473-481.	2.7	44
447	Energy transfer and tunable photoluminescence of LaBWO ₆ :Tb ³⁺ ,Eu ³⁺ phosphors for near-UV white LEDs. <i>Dyes and Pigments</i> , 2018, 150, 67-72.	2.0	201
448	Lu ³⁺ doping induced photoluminescence enhancement in novel high-efficiency Ba ₃ Eu(BO ₃) ₃ red phosphors for near-UV-excited warm-white LEDs. <i>RSC Advances</i> , 2018, 8, 33710-33716.	1.7	14
449	Synthesis of fluorescent conjugated polymer nanoparticles and their immobilization on a substrate for white light emission. <i>Polymer Chemistry</i> , 2018, 9, 5671-5679.	1.9	13
450	Tricolor- and White Lightâ€”Emitting Ce ³⁺ /Tb ³⁺ /Mn ²⁺ -Coactivated Li ₂ Ca ₄ Si ₄ O ₁₃ Phosphor via Energy Transfer. <i>ACS Omega</i> , 2018, 3, 16714-16720.	1.6	29
451	Chapter 3 Nanophosphors: From Rare Earth Activated Multicolor-Tuning to New Efficient White Light Sources. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018, , 27-77.	0.2	2
452	Multicolor Tuning and Temperature-Triggered Anomalous Eu ³⁺ -Related Photoemission Enhancement via Interplay of Accelerated Energy Transfer and Release of Defect-Trapped Electrons in the Tb ³⁺ ,Eu ³⁺ -Doped Strontiumâ€”Aluminum Chlorites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36157-36170.	4.0	47

#	ARTICLE	IF	CITATIONS
453	Tuning of the emission color via energy transfer from Bi ³⁺ to Eu ³⁺ ion in the Eu ³⁺ , Bi ³⁺ doped calcium germanate phosphor for warm white LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19130-19136.	1.1	2
454	The self-reduction synthesis and luminescent properties of Eu ²⁺ /Eu ³⁺ activated BaZr ₃ Si ₃ O ₇ ·2H ₂ O phosphors with white light emission for white light-emitting diodes. <i>Luminescence</i> , 2018, 33, 1387-1393.	1.5	4
455	What Is Beyond Charge Trapping in Semiconductor Nanoparticle Sensitized Dopant Photoluminescence?. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6191-6197.	2.1	17
456	Impurity Ions Codoped Cesium Lead Halide Perovskite Nanocrystals with Bright White Light Emission toward Ultraviolet-White Light-Emitting Diode. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 39040-39048.	4.0	78
457	Efficient Energy Transfer within Dyes Encapsulated Metal-Organic Frameworks to Achieve High Performance White Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018, 6, 1800968.	3.6	62
458	Crystal structure, luminescence properties, energy transfer, tunable occupation and thermal properties of a novel color-tunable phosphor NaBa _{1-z} Sr _z B ₉ O ₁₅ :Ce ³⁺ , Mn ²⁺ . <i>Dalton Transactions</i> , 2018, 47, 13913-13925.	1.6	34
459	Multi-wavelength tailoring of a ZnGa ₂ O ₄ nanosheet phosphor via defect engineering. <i>Nanoscale</i> , 2018, 10, 19039-19045.	2.8	46
460	New Insight for Luminescence Tuning Based on Interstitial sites Occupation of Eu ²⁺ in Sr ₃ Al ₂ Si _x O ₅ :N _{2x} (x = 0-0.4). <i>Advanced Optical Materials</i> , 2018, 6, 1800940.	3.4	25
461	Preparation and luminescence properties of white light-emitting phosphors LaAl ₂ O ₃ :B ₄ O ₁₀ :54: Dy ³⁺ . <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	11
462	Solvated Lanthanide Cationic Template Strategy for Constructing Iodoargentates with Photoluminescence and White Light Emission. <i>Crystal Growth and Design</i> , 2018, 18, 7041-7047.	1.4	56
463	Narrow-band red-emitting KZnF ₃ :Mn ⁴⁺ fluoroperovskites: insights into electronic/vibronic transition and thermal quenching behavior. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10845-10854.	2.7	39
464	Inorganic-organic hybrid zinc phosphites with fluorescence/phosphorescence dual emission performances. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10411-10414.	2.7	36
465	Self-Assembly of Perovskite Crystals Anchored Al ₂ O ₃ -La ₂ O ₃ Nanofibrous Membranes with Robust Flexibility and Luminescence. <i>Small</i> , 2018, 14, e1801963.	5.2	15
466	Elucidating white light emissions in Tm ³⁺ /Dy ³⁺ codoped polyoxometalates: a color tuning and energy transfer mechanism study. <i>Dalton Transactions</i> , 2018, 47, 13949-13956.	1.6	32
467	A novel red phosphor of Mn ⁴⁺ ion-doped oxyfluoroniobate BaNbOF ₅ for warm WLED applications. <i>CrystEngComm</i> , 2018, 20, 5641-5646.	1.3	39
468	To tune europium valence by controlling the composition in diphase silicate phosphors. <i>Journal of Rare Earths</i> , 2018, 36, 1015-1023.	2.5	10
469	Structural Characterization of B-Site Ordered Ba ₂ Ln _{2/3} TeO ₆ (Ln) Tj ETQqO O 0 rgBT /Overlock 10 Phosphor Hosts. <i>Inorganic Chemistry</i> , 2018, 57, 6226-6236.	1.9	41
470	Color-Tunable and High-Efficiency Dye-Encapsulated Metal-Organic Framework Composites Used for Smart White-Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18910-18917.	4.0	88

#	ARTICLE	IF	CITATIONS
471	Formation mechanism and optimized luminescence of Mn ⁴⁺ -doped unequal dual-alkaline hexafluorosilicate Li _{0.5} Na _{1.5} SiF ₆ . Journal of the American Ceramic Society, 2018, 101, 4983-4993.	1.9	14
472	The Vis-NIR multicolor emitting phosphor Ba ₄ Gd ₃ Na ₃ (PO ₄) ₆ F ₂ : Eu ²⁺ , Pr ³⁺ for LED towards plant growth. Journal of Industrial and Engineering Chemistry, 2018, 65, 411-417.	2.9	30
473	Tunable broad photoluminescence in Cu ⁺ /Mn ²⁺ co-doped oxyfluoride glasses sintered in air atmosphere. Journal of Luminescence, 2018, 202, 186-191.	1.5	30
474	Triple-Wavelength-Region Luminescence Sensing Based on a Color-Tunable Emitting Lanthanide Metal Organic Framework. Analytical Chemistry, 2018, 90, 6675-6682.	3.2	60
475	Development of near-ultraviolet-excitable single-phase white-light-emitting phosphor KBaY(BO ₃) ₂ :Ce ³⁺ ,Dy ³⁺ for phosphor-converted white light-emitting-diodes. Ceramics International, 2018, 44, 14803-14810.	2.3	33
476	Synthesis, structure and luminescent properties of a new white phosphor Ba ₇ (BO ₃) ₃ (SiO ₄)Cl:Dy ³⁺ for light-emitting diodes. Journal of Molecular Structure, 2018, 1173, 776-780.	1.8	4
477	A New Mode of Energy Transfer between Mn ²⁺ and Eu ²⁺ in Nitride-Based Phosphor SrAlSi ₄ N ₇ with Tunable Light and Excellent Thermal Stability. Chemistry - an Asian Journal, 2018, 13, 2649-2663.	1.7	16
478	Intense hypersensitive luminescence of Eu ³⁺ -doped YSiO ₂ N oxynitride with near-UV excitation. Optical Materials, 2018, 83, 111-117.	1.7	10
479	Luminescence enhancement and energy transfers of Ce ³⁺ and Sm ³⁺ in CaSrSiO ₄ phosphor. Journal of Materials Chemistry C, 2018, 6, 7612-7618.	2.7	65
480	Sr ₄ Y ₆ (AlO ₄) _x (SiO ₄) _{6-x} O ²⁺ :Eu ²⁺ : A novel apatite structure blue-green emitting phosphor. Ceramics International, 2018, 44, 19900-19906.	2.3	13
481	Manipulation of microstructures and the stability of white emissions in NaLuF ₄ :Yb ³⁺ , Ho ³⁺ , Tm ³⁺ upconversion crystals. Optical Materials Express, 2018, 8, 1043.	1.6	5
482	White light emission from single-phase Y ₂ MoO ₆ : xPr ³⁺ (x = 1, 2, 3 and 4 mol%) phosphor. Journal of Alloys and Compounds, 2018, 769, 420-429.	2.8	20
483	Synthesis and improved photoluminescence of a novel red phosphor LiSrGaF ₆ :Mn ⁴⁺ for applications in warm WLEDs. Dalton Transactions, 2018, 47, 12944-12950.	1.6	20
484	Color-tunable Al ₆ Si ₂ O ₁₃ :Eu ²⁺ ,Mn ²⁺ phosphor with high color rendering index based on energy transfer for warm white LEDs. New Journal of Chemistry, 2018, 42, 15207-15214.	1.4	14
485	White light emitting MgAl ₂ O ₄ :Dy ³⁺ ,Eu ³⁺ nanophosphor for multifunctional applications. Dalton Transactions, 2018, 47, 12228-12242.	1.6	58
486	Substitution priority of Eu ²⁺ in multi-cation compound Sr _{0.8} Ca _{0.2} Al ₂ Si ₂ O ₈ and energy transfer. Chinese Physics B, 2018, 27, 017802.	0.7	1
487	Crystal-site engineering for developing tunable green light emitting Ba ₉ Lu ₂ Si ₆ O ₂₄ :Eu ²⁺ phosphors for efficient white LEDs. Journal of Alloys and Compounds, 2018, 767, 374-381.	2.8	24
488	Chemical conversion synthesis of mesoporous LuPO ₄ : Ln ³⁺ (Ln = Eu, Tb, Dy, Sm) phosphors and tunable luminescent properties. Journal of Luminescence, 2018, 203, 525-532.	1.5	6

#	ARTICLE	IF	CITATIONS
489	A step towards synthesizing unique UV and visible light excitable AWO ₄ :Eu ³⁺ (A=Ca and Sr) nanophosphors using high energy ball milling method: luminescence differences in going from Ca ²⁺ to Sr ²⁺ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 13751-13765.	1.1	6
490	Site-sensitive energy transfer from Ce ³⁺ to Tb ³⁺ /Mn ²⁺ based on an efficient phosphor Li ₄ SrCa(SiO ₄) ₂ :Ce ³⁺ . <i>Ceramics International</i> , 2018, 44, 18413-18419.	2.3	12
491	Tunable emission with excellent thermal stability in single-phased SrY ₂ O ₄ :Bi ³⁺ ,Eu ³⁺ phosphors for UV-LEDs. <i>Journal of Alloys and Compounds</i> , 2018, 767, 403-408.	2.8	33
492	Tunable dual emission of Ca ₃ Al ₄ ZnO ₁₀ :Bi ³⁺ ,Mn ⁴⁺ via energy transfer for indoor plant growth lighting. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8914-8922.	2.7	134
493	Luminescence Tuning of Sr ₈ MgCe(PO ₄) ₇ :Eu ²⁺ ,Mn ²⁺ Phosphors: Structure Refinement, Site Occupancy, and Energy Transfer. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2018, 644, 893-900.	0.6	8
494	Flux influenced morphology tailoring and emission color tuning to pure white in ZrO ₂ :Eu ³⁺ phosphors. <i>Journal of Luminescence</i> , 2018, 201, 345-349.	1.5	13
495	High-efficiency and thermal-stable tunable blue-green-emitting Ca ₃ Lu(AlO) ₃ (BO ₃) ₄ :Ce ³⁺ ,Tb ³⁺ phosphors for near-UV-excited white LEDs. <i>Dyes and Pigments</i> , 2018, 157, 314-320.	2.0	37
496	Insight into crystal structure and Eu/Tb doped luminescence property of a new phosphate. <i>Journal of Alloys and Compounds</i> , 2018, 762, 444-455.	2.8	26
497	Tunable correlated color temperature of NaSrPO ₄ phosphors via Dy ³⁺ and Eu ³⁺ co-doping for warm white light-emitting diodes. <i>Optik</i> , 2018, 174, 1-6.	1.4	16
498	Tunable Multicolor Phosphorescence of Crystalline Polymeric Complex Salts with Metallophilic Backbones. <i>Angewandte Chemie</i> , 2018, 130, 6387-6391.	1.6	19
499	Synthesis, energy transfer and photoluminescence properties of thermal-stable multicolour-emitting Ca ₃ Gd(AlO) ₃ (BO ₃) ₄ :Tb ³⁺ ,Eu ³⁺ phosphors. <i>Journal of Luminescence</i> , 2018, 204, 386-393.	1.5	25
500	Single-phased white-emitting Ca ₃ Y(GaO) ₃ (BO ₃) ₄ :Ce ³⁺ ,Tb ³⁺ ,Sm ³⁺ phosphors with high-efficiency: Photoluminescence, energy transfer and application in near-UV-pumped white LEDs. <i>Journal of Luminescence</i> , 2018, 204, 410-418.	1.5	46
501	Phosphors for white LEDs. , 2018, , 123-208.		4
502	Structural Confinement toward Giant Enhancement of Red Emission in Mn ²⁺ -Based Phosphors. <i>Advanced Functional Materials</i> , 2018, 28, 1804150.	7.8	122
503	Tuning of emission color in the germanate luminescent materials for cement application. <i>Optik</i> , 2018, 174, 394-399.	1.4	2
504	Dependence of emitting light for LEDs fabricated by YAG:Ce crystal wafer on wafer thickness. <i>Journal of Luminescence</i> , 2018, 204, 157-161.	1.5	33
505	Controlling disorder in host lattice by hetero-valence ion doping to manipulate luminescence in spinel solid solution phosphors. <i>Science China Chemistry</i> , 2018, 61, 1624-1629.	4.2	23
506	Tb ³⁺ , Eu ³⁺ Co-doped CsPbBr ₃ QDs Glass with Highly Stable and Luminous Adjustable for White LEDs. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 21434-21444.	4.0	148

#	ARTICLE	IF	CITATIONS
507	Ferroelectric and Piezoelectric Effects on the Optical Process in Advanced Materials and Devices. <i>Advanced Materials</i> , 2018, 30, e1707007.	11.1	159
508	Multi-color luminescence evolution of $\text{La}_2\text{Zr}_3(\text{MoO}_4)_9:\text{Ln}^{3+}$ ($\text{Ln}^{3+} = \text{Dy}^{3+}$ and/or Eu^{3+}) nanocrystalline phosphors for UV-pumped white light-emitting devices. <i>Journal of Luminescence</i> , 2018, 203, 179-188.	1.5	6
509	Liquid-type inorganic perovskite $\text{CsPbBr}_{1.2}\text{I}_{1.8}$ quantum dots for white light-emitting diode. <i>Materials Research Express</i> , 2018, 5, 066206.	0.8	2
510	A single-phase full-color emitting phosphor $\text{Na}_3\text{Sc}_2(\text{PO}_4)_3:\text{Eu}^{2+}/\text{Tb}^{3+}/\text{Mn}^{2+}$ with near-zero thermal quenching and high quantum yield for near-UV converted warm white LEDs. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5627-5639.	1.9	46
511	Band gap tuning & Room temperature ferromagnetism of hydrothermally prepared Cobalt doped CaSnO_3 nanopowders. <i>Materials Research Innovations</i> , 2019, 23, 375-384.	1.0	13
512	Effects of full-range Eu concentration on $\text{Sr}_{2-x}\text{Eu}_x\text{Si}_5\text{N}_8$ phosphors: A deep-red emission and luminescent thermal quenching. <i>Journal of Alloys and Compounds</i> , 2019, 770, 1069-1077.	2.8	41
513	Rapid synthesis of hybrid methylammonium lead iodide perovskite quantum dots and rich Mn^{2+} substitution favouring Pb-free warm white LED applications. <i>Nanoscale Advances</i> , 2019, 1, 2999-3008.	2.2	21
514	White light emitting stannate pyrochlore based single phase phosphor $\text{CaLa}_{1-x}\text{SnNbO}_7:x\text{Dy}^{3+}$ for pc-WLED applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16174-16183.	1.1	4
515	Efficient energy transfer induced tunable emission in Ce^{3+} and Eu^{2+} co-doped $\text{Ba}_{1.2}\text{Ca}_{0.8}\text{SiO}_4$ phosphor. <i>Journal of Luminescence</i> , 2019, 215, 116670.	1.5	8
516	Data-Driven Discovery of Full-Visible-Spectrum Phosphor. <i>Chemistry of Materials</i> , 2019, 31, 6286-6294.	3.2	92
517	Luminescent thermal stability and electronic structure of narrow-band green-emitting $\text{Sr-Sialon}:\text{Eu}^{2+}$ phosphors for LED/LCD backlights. <i>Journal of Alloys and Compounds</i> , 2019, 805, 1246-1253.	2.8	13
518	Evaluation of the energy transfer mechanism leading to tunable green-to-red cooperative up-conversion emission in $\text{Eu}^{3+}:\text{Yb}^{3+}$ co-doped CaF_2 powders. <i>Journal of Luminescence</i> , 2019, 214, 116561.	1.5	5
519	2D-BCNO with Eu^{3+} : partial energy transfer and direct natural white light for LEDs. <i>New Journal of Chemistry</i> , 2019, 43, 12431-12439.	1.4	6
520	A promising thermally robust blue-green $\text{Li}^{\pm}\text{-sialon}:\text{Ce}^{3+}$ for ultraviolet LED-driven white LEDs. <i>Journal of Alloys and Compounds</i> , 2019, 805, 1004-1012.	2.8	10
521	Chemical Reactions Involving the Surface of Metal Chalcogenide Quantum Dots. <i>Langmuir</i> , 2019, 35, 14399-14413.	1.6	14
522	Valent control and spectral tuning by cation site engineering strategy in Eu doped $\text{Sr}_{1-x}\text{Ba}_x\text{Al}_2\text{Si}_2\text{O}_8$ phosphor. <i>Journal of Alloys and Compounds</i> , 2019, 806, 529-536.	2.8	17
523	Nanophosphors-Based White Light Sources. <i>Nanomaterials</i> , 2019, 9, 1048.	1.9	18
524	Tuning the Bi^{3+} -photoemission color over the entire visible region by manipulating secondary cations modulation in the $\text{ScV}_x\text{P}_{1-x}\text{O}_4:\text{Bi}^{3+}$ ($0 \leq x \leq 1$) solid solution. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9865-9877.	2.7	48

#	ARTICLE	IF	CITATIONS
525	Highly efficient and thermally stable single-activator white-emitting phosphor $K_2Ca(PO_4)_4:F:Eu^{2+}$ for white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8982-8991.	2.7	54
526	Investigation of local structure distortion and electron cloud interaction on emission-band broadening induced by the concentration perturbation effect of cation substitution in $BaY_2Si_3O_{10}:Eu$ phosphors. <i>CrystEngComm</i> , 2019, 21, 4771-4785.	1.3	7
527	Synthesis and photoluminescence study of Dy^{3+} activated $SrAl_2O_9$ phosphor. <i>Optik</i> , 2019, 194, 163051.	1.4	10
528	Excitation-induced tunable luminescence of luminomagnetic Dy and Ce co-doped ZnO nanoparticles. <i>Dalton Transactions</i> , 2019, 48, 12228-12238.	1.6	13
529	Single-phased chromaticity-tunable phosphor of $Sr_4Al_4O_{25}:Eu^{2+/3+}$ co-doped with Tb^{3+} for white-light-emitting diodes. <i>Materials Research Express</i> , 2019, 6, 115903.	0.8	8
530	Self-Trapped Exciton to Dopant Energy Transfer in Rare Earth Doped Lead-Free Double Perovskite. <i>Advanced Optical Materials</i> , 2019, 7, 1901098.	3.6	94
531	Cyan phosphors for full-visible-spectrum lighting: shining new light on high-CRI white pc-LEDs. <i>Science Bulletin</i> , 2019, 64, 1649-1651.	4.3	47
532	Energy transfer and thermal stability of novel green-emitting $Ca_3Y(PO_4)_3:Ce^{3+}, Tb^{3+}$ phosphors for white LEDs. <i>Optical Materials</i> , 2019, 96, 109317.	1.7	8
533	Synthesis and luminescence properties of a novel dazzling red-emitting phosphor $NaSr_3SbO_6:Mn^{4+}$ for UV/n-UV w-LEDs. <i>Dalton Transactions</i> , 2019, 48, 3187-3192.	1.6	27
534	A Novel Approach for System Instability Prediction Using Nodal Analysis. , 2019, , .		2
535	Influence of Optical Basicity on Cu^{+} Luminescence in Aluminosilicate Oxyfluoride Glasses. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	6
536	Sonochemical Synthesis of Carbon Dots/Lanthanoid MOFs Hybrids for White Light-Emitting Diodes with High Color Rendering. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44421-44429.	4.0	64
537	Photoluminescence and photocatalytic hydrogen evolution properties of orange-red emitting $AlN:Sm^{3+}$. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20109-20118.	1.1	6
538	Luminescence and Energy-Transfer Properties in Bi^{3+}/Mn^{4+} -Codoped Ba_2GdNbO_6 Double-Perovskite Phosphors for White-Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2019, 58, 15507-15519.	1.9	79
539	Dynamic Covalent Switches and Communicating Networks for Tunable Multicolor Luminescent Systems and Vapor-Responsive Materials. <i>Journal of the American Chemical Society</i> , 2019, 141, 16344-16353.	6.6	42
540	White-Light Emission and Magnetism Behaviors Endowed by Inorganic Lanthanide Templates in Iodocuprates. <i>Crystal Growth and Design</i> , 2019, 19, 1825-1831.	1.4	18
541	Broad-band emission and color tuning of Eu^{3+} -doped $LiCa_2SrMgV_3O_{12}$ phosphors for warm white light-emitting diodes. <i>Optical Materials</i> , 2019, 89, 132-137.	1.7	12
542	Photoluminescence Properties of Dy^{3+} Activated $CaWO_4$ Nanophosphors: a Potential Single Phase near White Light Emitter. <i>Journal of Fluorescence</i> , 2019, 29, 435-443.	1.3	10

#	ARTICLE	IF	CITATIONS
543	Carbon quantum dot-sensitized and tunable luminescence of $\text{Ca}_{19}\text{Mg}_2(\text{PO}_4)_4\text{Ln}_3$ ($\text{Ln}_3 = \text{Tj, Tl, Qq, O, Q, rg, BT, Ove}$) via a sol-gel process. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2361-2375.	2.7	29
544	Polyoxometalate-based metal-organic framework NENU-5 hybrid materials for photoluminescence tuning by introducing lanthanide ions and their functionalized soft ionogel/thin film. <i>CrystEngComm</i> , 2019, 21, 1186-1192.	1.3	17
545	An ultrastable metal-organic material emits efficient and broadband bluish white-light emission for luminescent thermometers. <i>Chemical Communications</i> , 2019, 55, 1702-1705.	2.2	26
546	Significantly conquering moisture-induced luminescence quenching of red line-emitting phosphor $\text{Rb}_2\text{SnF}_6\text{Mn}_4$ through $\text{H}_2\text{C}_2\text{O}_4$ triggered particle surface reduction for blue converted warm white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 247-255.	2.7	59
547	Excitation wavelength and $\text{Eu}^{3+}/\text{Tb}^{3+}$ content ratio dependent tunable photoluminescence from $\text{NaSrBO}_3\text{:Eu}^{3+}/\text{Tb}^{3+}$ phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11714-11726.	1.1	14
548	Full visible spectra emission introduced by crystal-site engineering in $\text{Ca}_3(\text{PO}_4)_2$ -type solid solution phosphors for high quality white light emitting diodes application. <i>Chemical Engineering Journal</i> , 2019, 375, 121976.	6.6	41
549	Photoluminescence and thermal stability of Tb^{3+} -doped $\text{K}_4\text{SrSi}_3\text{O}_9$ phosphor with electron transition mechanisms. <i>Materials Research Bulletin</i> , 2019, 118, 110523.	2.7	15
550	Well-tuned white-light-emitting behaviours in multicenter-Ln polyoxometalate derivatives: A photoluminescence property and energy transfer pathway study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117294.	2.0	17
551	Investigation of the Impact of Drive Current and Phosphor Thickness on the Reliability of High Power White LED Lamp. <i>IEEE Transactions on Device and Materials Reliability</i> , 2019, 19, 290-297.	1.5	1
552	Crystal structure and photoluminescence tuning of novel single-phase $\text{Ca}_8\text{ZnLu}(\text{PO}_4)_7\text{Eu}_2\text{Mn}_2$ phosphors for near-UV converted white light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8374-8382.	2.7	52
553	Synthesis of Solution-Processable Donor-Acceptor Pyranone Dyads for White Organic Light-Emitting Devices. <i>Journal of Organic Chemistry</i> , 2019, 84, 7674-7684.	1.7	22
554	Luminescence and energy transfer of a novel tunable-emitting phosphor $\text{Sr}_{0.8}\text{Ca}_{0.2}\text{Al}_2\text{Si}_2\text{O}_8\text{:Eu/Tb}$ for white LEDs. <i>Optik</i> , 2019, 191, 60-67.	1.4	5
555	Color tunable single-phase Eu^{2+} and Ce^{3+} co-activated $\text{Sr}_2\text{LiAlO}_4$ phosphors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7734-7744.	2.7	26
556	Luminescence modulation of carbon dots assemblies. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6337-6343.	2.7	8
557	Robust, Cationic Lead Halide Layered Materials with Efficient Broadband White-Light Emission. <i>Chemistry of Materials</i> , 2019, 31, 3909-3916.	3.2	55
558	Single-component warm-white-light materials with high color-rendering index based on Eu^{3+} , Tb^{3+} -complexes co-doped Laponite [®] under mild reaction conditions. <i>Optical Materials</i> , 2019, 93, 6-10.	1.7	7
559	Tunable luminescence, energy transfer and thermal property of a novel single-phase $\text{NaBa}_{0.97}\text{Ce}_{0.03}\text{B}_9\text{O}_{15}\text{:Tb}^{3+}, \text{Sm}^{3+}, \text{Dy}^{3+}$ phosphor. <i>Journal of Luminescence</i> , 2019, 213, 164-173.	1.5	10
560	Properties and Application of Single Eu^{2+} -Activated Color Tuning Phosphors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10724-10733.	3.2	51

#	ARTICLE	IF	CITATIONS
561	An ultra-high yield of spherical $K_2NaScF_6:Mn^{4+}$ red phosphor and its application in ultra-wide color gamut liquid crystal displays. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7237-7248.	2.7	76
562	$\hat{I}\pm$ -AgVO ₃ Decorated by Hydroxyapatite (Ca ₁₀ (PO ₄) ₆ (OH) ₂): Tuning Its Photoluminescence Emissions and Bactericidal Activity. <i>Inorganic Chemistry</i> , 2019, 58, 5900-5913.	1.9	22
563	Controllable Eu ²⁺ -Doped Orthophosphate Blue-/Red-Emitting Phosphors: Charge Compensation and Lattice-Strain Control. <i>Inorganic Chemistry</i> , 2019, 58, 6376-6387.	1.9	36
564	Tunable blue-green color emitting Al ₅ O ₆ N: Eu ²⁺ , Tb ³⁺ phosphors with energy transfer for near-UV white LEDs. <i>Journal of Luminescence</i> , 2019, 212, 146-153.	1.5	13
565	Highly efficient and very robust blue-excitable yellow phosphors built on multiple-stranded one-dimensional inorganic-organic hybrid chains. <i>Chemical Science</i> , 2019, 10, 5363-5372.	3.7	38
566	Tunable white light and energy transfer of Eu ²⁺ -Tb ³⁺ -Eu ³⁺ tri-activated glasses synthesized in air. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6777-6786.	1.9	15
567	Energy transfer induced white-light-emitting phosphor by co-doping Ce ³⁺ , Tb ³⁺ and Mn ²⁺ into the single Ba ₉ Lu ₂ Si ₆ O ₂₄ host. <i>Luminescence</i> , 2019, 34, 432-436.	1.5	2
568	Insight into a novel rare-earth-free red-emitting phosphor Li ₃ Mg ₂ NbO ₆ :Mn ⁴⁺ : Structure and luminescence properties. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6724-6731.	1.9	27
569	White light-emitting thermally stable bismuth phosphate phosphor Ca ₃ Bi(PO ₄) ₃ :Dy ³⁺ for solid-state lighting applications. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6087-6099.	1.9	65
570	Enhanced Photoluminescence Properties of Low-Dimensional Eu ³⁺ -Activated Y ₄ Al ₂ O ₉ Phosphor Compared to Bulk for Solid-State Lighting Applications and Latent Fingerprint Detection-Based Forensic Applications. <i>Microscopy and Microanalysis</i> , 2019, 25, 1422-1430.	0.2	6
571	Efficient white polymer light-emitting diodes (WPLEDs) based on double emitting layers of a PVK:Eu(III)-complex and Alq ₃ . <i>Journal of Materials Chemistry C</i> , 2019, 7, 4800-4807.	2.7	10
572	Blue emitting phosphor Sr _{0.8} Ca _{0.2} Al _{2+y} Si _{2-y} O ₈ :Ce ³⁺ : Substitution of Al-Si, structural modification, luminescence property and application. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1000-1008.	2.8	19
573	Insights into the structure, photoluminescence and Judd-Ofelt analysis of red emitting SrLaLiTeO ₆ : Eu ³⁺ phosphors. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1300-1308.	2.8	53
574	Investigating Cationic Distribution, Defect Structure and Phosphor Characteristics of Na ₂ Sm ₂ Ca ₆ (PO ₄) ₆ F ₂ . <i>ChemistrySelect</i> , 2019, 4, 2766-2773.	0.7	5
575	Solvent-Free Luminous Molecular Liquids. <i>Advanced Optical Materials</i> , 2019, 7, 1900176.	3.6	49
576	Efficient energy transfer, multi-colour emitting and temperature sensing behavior of single-phase Tb ³⁺ , Eu ³⁺ co-doped strontium fluoride phosphors. <i>Journal of Luminescence</i> , 2019, 211, 209-217.	1.5	27
577	Enhanced absorption of Sr ₃ Lu ₂ (BO ₃) ₄ :Ce ³⁺ , Tb ³⁺ phosphor with energy transfer for UV-pumped white LEDs. <i>Journal of Alloys and Compounds</i> , 2019, 789, 215-220.	2.8	6
578	Improving moisture stability of SrLiAl ₃ N ₄ :Eu ²⁺ through phosphor-in-glass approach to realize its application in plant growing LED device. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 195-199.	5.0	24

#	ARTICLE	IF	CITATIONS
579	New red emitting phosphors NaSrLa(MO ₄) ₃ :Eu ³⁺ [M = Mo and W] for white LEDs: Synthesis, structural and optical study. <i>Journal of Alloys and Compounds</i> , 2019, 789, 919-931.	2.8	74
580	Enhanced Luminescence of a Quantum Dot Complex Following Interaction with Protein for Applications in Cellular Imaging, Sensing, and White-Light Generation. <i>ACS Applied Nano Materials</i> , 2019, 2, 2358-2366.	2.4	10
581	Combustion synthesis, Judd–Ofelt parameters and optical properties of color tunable Ba ₃ Y ₄ O ₉ : Eu ³⁺ nanophosphor for near-UV based WLEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8751-8762.	1.1	23
582	Surface crystallized Mn-doped glass-ceramics for tunable luminescence. <i>Journal of the American Ceramic Society</i> , 2019, 102, 5843-5852.	1.9	22
583	Synthesis, energy transfer and multicolor luminescent property of Eu ³⁺ -doped LiCa ₂ Mg ₂ V ₃ O ₁₂ phosphors for warm white light-emitting diodes. <i>Ceramics International</i> , 2019, 45, 13832-13837.	2.3	22
584	Color tunable and energy transfer mechanism of Dy ³⁺ and Eu ³⁺ rare earth ions activated NaCaBi ₂ (PO ₄) ₃ eulytite type phosphor for NUV excitable warm white light emitting diodes. <i>Optik</i> , 2019, 186, 221-230.	1.4	21
585	A novel blue-emitting Eu ²⁺ -doped chlorine silicate phosphor with a narrow band for illumination and displays: structure and luminescence properties. <i>CrystEngComm</i> , 2019, 21, 3660-3667.	1.3	19
586	Hybrid Organic–Inorganic Halides (C ₅ H ₇ N ₂) ₂ MBr ₄ (M = Hg, Zn) with High Color Rendering Index and High-Efficiency White-Light Emission. <i>Chemistry of Materials</i> , 2019, 31, 2983-2991.	3.2	143
587	Self-Trapped Excitons in All-Inorganic Halide Perovskites: Fundamentals, Status, and Potential Applications. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1999-2007.	2.1	573
588	BaAl ₁₂ O ₁₉ :Eu ²⁺ phosphors: Molten salt flux synthesis and blue emission with high color purity and excellently thermal stability. <i>Journal of Luminescence</i> , 2019, 211, 271-275.	1.5	17
589	Biaxial strain-induced strong enhancement of upconversion photoluminescence in lanthanide-doped ferroelectric thin films. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 234002.	1.3	7
590	White-light emitting single-phase phosphor La ₃ Si ₆ N ₁₁ :Dy ³⁺ ,Tb ³⁺ : Color tunable emission, thermal stability and energy transfer process. <i>Journal of Rare Earths</i> , 2019, 37, 350-355.	2.5	25
591	Electronic Energy Levels of Dysprosium(III) ions in Solution. Assigning the Emitting State and the Intraconfigurational 4f ⁶ –4f Transitions in the Vis–NIR Region and Photophysical Characterization of Dy(III) in Water, Methanol, and Dimethyl Sulfoxide. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2734-2744.	1.1	46
592	Photo-responsive cyclodextrin/anthracene/Eu ³⁺ supramolecular assembly for a tunable photochromic multicolor cell label and fluorescent ink. <i>Chemical Science</i> , 2019, 10, 3346-3352.	3.7	79
593	Blue-emitting Bi-doped double perovskite Gd ₂ ZnTiO ₆ phosphor with near-ultraviolet excitation for warm white light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1127-1136.	2.8	41
594	Er ³⁺ -Activated NaLaMgWO ₆ double perovskite phosphors and their bifunctional application in solid-state lighting and non-contact optical thermometry. <i>Dalton Transactions</i> , 2019, 48, 4405-4412.	1.6	74
595	Single-Component Color-Tunable Gd(pic) ₃ : Eu ³⁺ Phosphor Based on a Metal–Organic Framework for Near-UV White-Light-Emitting Diodes. <i>ACS Omega</i> , 2019, 4, 3593-3600.	1.6	15
596	Energy transfer and multiple photoluminescence of LuNbO ₄ co-doped with Eu ³⁺ and Tb ³⁺ . <i>Materials Research Bulletin</i> , 2019, 112, 399-405.	2.7	8

#	ARTICLE	IF	CITATIONS
597	A red phosphor Mg ₃ Y ₂ Ge ₃ O ₁₂ : Bi ³⁺ , Eu ³⁺ with high brightness and excellent thermal stability of luminescence for white light-emitting diodes. <i>Journal of Luminescence</i> , 2019, 210, 202-209.	1.5	83
598	Preparation and photoluminescence of novel La ₈ Ca ₂ (Si ₄ P ₂ O ₂₂ N ₂)O ₂ oxynitride phosphors containing Eu ²⁺ /Ce ³⁺ /Tb ³⁺ ions. <i>Dalton Transactions</i> , 2019, 48, 3028-3037.	1.6	27
599	Tuning the luminescence of Ca ₉ La(PO ₄) ₇ :Eu ²⁺ via artificially inducing potential luminescence centers. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14601-14611.	2.7	27
600	A rate equation model for the energy transfer mechanism of a novel multi-color-emissive phosphor, Ca _{1.624} Sr _{0.376} Si ₅ O ₃ N ₆ :Eu ²⁺ . <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 3493-3500.	3.0	9
601	Highly luminescent and ultrastable cesium lead halide perovskite nanocrystal glass for plant-growth lighting engineering. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13606-13612.	2.7	20
602	Luminescence color tuning and energy transfer properties in (Sr,Ba) ₂ LaGaO ₅ :Bi ³⁺ ,Eu ³⁺ solid solution phosphors: realization of single-phased white emission for WLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13536-13547.	2.7	75
603	Tunable optical properties and DFT calculations of RE ³⁺ codoped LaBO ₃ phosphors. <i>Optical Materials</i> , 2019, 98, 109487.	1.7	6
604	A simple and green synthesis of carbon quantum dots from coke for white light-emitting devices. <i>RSC Advances</i> , 2019, 9, 33789-33793.	1.7	52
605	Single-component solid state white-light emission and photoluminescence color tuning of a Cd(<i>ii</i>) complex and its application as a luminescence thermometer. <i>Journal of Materials Chemistry C</i> , 2019, 7, 13454-13460.	2.7	11
606	High-efficiency and thermal-stable Eu ³⁺ -activated Ca ₃ Y(AlO) ₃ (BO ₃) ₄ red-emitting phosphors for near-UV-excited white LEDs. <i>Journal of Luminescence</i> , 2019, 205, 115-121.	1.5	67
607	Effects of Mg ²⁺ /Si ⁴⁺ doping on luminescence of Y ₃ Al ₅ O ₁₂ :Ce ³⁺ phosphors. <i>Journal of Luminescence</i> , 2019, 207, 477-481.	1.5	17
608	Electronic structure and photoluminescence of Dy ³⁺ single-doped and Dy ³⁺ /Tm ³⁺ co-doped NaBi(WO ₄) ₂ phosphors. <i>Optical Materials</i> , 2019, 88, 534-539.	1.7	25
609	Exploration of structural, vibrational and spectroscopic properties of self-activated orthorhombic double molybdate RbEu(MoO ₄) ₂ with isolated MoO ₄ units. <i>Journal of Alloys and Compounds</i> , 2019, 785, 692-697.	2.8	64
610	Synthesis and luminescence properties of Eu ³⁺ and Dy ³⁺ ions single and co-doped Ba ₂ LaV ₃ O ₁₁ phosphors for white-light applications. <i>Dyes and Pigments</i> , 2019, 162, 583-589.	2.0	27
611	Toward temperature-dependent Bi ³⁺ -related tunable emission in the YVO ₄ :Bi ³⁺ phosphor. <i>Journal of the American Ceramic Society</i> , 2019, 102, 3488-3497.	1.9	18
612	Tuning of Bi ³⁺ -related excitation and emission positions through crystal field modulation in the perovskite-structured La ₂ (Zn _x , Mg _{1-x})TiO ₆ (0 ≤ x ≤ 1):Bi ³⁺ solid solution for white LEDs. <i>Ceramics International</i> , 2019, 45, 3502-3509.	2.3	17
613	Ce ³⁺ -activated CaSr ₂ Al ₂ O ₆ green-emitting phosphors: Potential application as color converter for warm WLEDs. <i>Journal of Luminescence</i> , 2019, 206, 571-577.	1.5	33
614	Crystal structure tailoring and luminescence tuning of Sr _{1-x} Ba _x Al ₂ Si ₂ O ₈ :Eu ²⁺ phosphors for white-light-emitting diodes. <i>Journal of Alloys and Compounds</i> , 2019, 776, 554-559.	2.8	21

#	ARTICLE	IF	CITATIONS
615	Generation of bright white-light by energy-transfer strategy in Ca ₁₉ Zn ₂ (PO ₄) ₁₄ :Ce ³⁺ , Tb ³⁺ , Mn ²⁺ phosphors. <i>Journal of Luminescence</i> , 2019, 206, 244-249.	1.5	24
616	Luminescence property, energy transfer and thermal property of color tunable phosphor Ca ₉ -Ce _{0.5} Y _{0.5} -(PO ₄) ₇ :xTb ³⁺ , yEu ³⁺ , zSm ³⁺ , wMn ²⁺ . <i>Journal of Alloys and Compounds</i> , 2019, 775, 393-401.	2.8	10
617	Facile synthesis, morphology and tunable photoluminescence properties of BaMgF ₄ :Ce ³⁺ /Tb ³⁺ /Eu ³⁺ phosphors. <i>CrystEngComm</i> , 2019, 21, 339-347.	1.3	12
618	Design and energy transfer mechanism for single-phased Gd ₂ MgTiO ₆ : Bi ³⁺ , Eu ³⁺ tunable white light-emitting phosphors. <i>Journal of Materials Science</i> , 2019, 54, 4056-4072.	1.7	21
619	Plasmonic-Enhanced Luminescence Characteristics of Microscale Phosphor Layers on a ZnO Nanorod-Arrayed Glass Substrate. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1004-1012.	4.0	14
620	Luminescence properties of near-UV excitable yellow-orange light emitting warm CaSrAl ₂ SiO ₇ :Sm ³⁺ phosphors. <i>Journal of Rare Earths</i> , 2019, 37, 365-373.	2.5	18
621	The luminescence properties of CaZnOS: Bi ³⁺ , Sm ³⁺ , Li ⁺ phosphors with tunable emissions and energy transfer for white emission. <i>Journal of Luminescence</i> , 2019, 206, 578-584.	1.5	25
622	Tri-chromatic Emission from a Single-phase Na ₅ Y ₄ (SiO ₄) ₄ F:Eu ²⁺ , Tb ³⁺ , Eu ³⁺ Phosphor for White-light-emitting Diodes. <i>Journal of Luminescence</i> , 2019, 207, 34-40.	1.5	12
623	Persistent luminescence instead of phosphorescence: History, mechanism, and perspective. <i>Journal of Luminescence</i> , 2019, 205, 581-620.	1.5	425
624	Enhancement of 1.5 μ m fluorescence signal from Er ³⁺ due to Yb ³⁺ in yttrium silicate powders pumped at 975 and 808 nm. <i>Methods and Applications in Fluorescence</i> , 2019, 7, 015003.	1.1	5
625	Synthesis, luminescence properties and energy transfer behavior of color-tunable KAlP ₂ O ₇ : Tb ³⁺ , Eu ³⁺ phosphors. <i>Optics and Laser Technology</i> , 2020, 121, 105829.	2.2	18
626	A novel self-activated (bluish-green) and Eu ³⁺ doped (red) phosphors for warm white LEDs. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152631.	2.8	68
627	Comparative analysis on the photoluminescence properties of Cs ₂ BF ₆ :Mn ⁴⁺ (B=Ge, Si, Zr, Ti) red phosphors for WLEDs. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1197-1208.	1.9	15
628	Warm white light emitting from single composition SrGa ₁₂ O ₁₉ :Dy ³⁺ phosphors for ACLED. <i>Journal of the American Ceramic Society</i> , 2020, 103, 335-345.	1.9	21
629	Composition-driven anionic disorder-order transformations triggered single-Eu ²⁺ -converted high-color-rendering white-light phosphors. <i>Chemical Engineering Journal</i> , 2020, 380, 122508.	6.6	38
630	Lanthanide complexes supported via benzimidazole carboxylic acid ligand: Synthesis, luminescence and magnetic properties. <i>Journal of Molecular Structure</i> , 2020, 1202, 127345.	1.8	6
631	Role of H ₃ BO ₃ and Sr ²⁺ /K ⁺ in the luminescent property of NaBaB ₉ O ₁₅ :Eu ²⁺ . <i>Journal of Luminescence</i> , 2020, 218, 116840.	1.5	4
632	A warm white emission of Bi ³⁺ -Eu ³⁺ and Bi ³⁺ -Sm ³⁺ codoping Lu ₂ Ge ₂ O ₇ phosphors by energy transfer of Bi ³⁺ -sensitized Eu ³⁺ /Sm ³⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 228, 117755.	2.0	35

#	ARTICLE	IF	CITATIONS
633	Synthesis, structure, and color-tunable luminescence properties of lanthanide activator ions doped bismuth silicate as single-phase white light emitting phosphors. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152546.	2.8	32
634	Warm white-light phosphor based on a single-phase of Ag ⁺ /Eu ³⁺ /Zn ²⁺ loading SOD zeolites with application to white LEDs. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153778.	2.8	19
635	An organic chromophore -modified samarium-containing polyoxometalate: excitation-dependent color tunable behavior from the organic chromophores to the lanthanide ion. <i>Dalton Transactions</i> , 2020, 49, 388-394.	1.6	28
636	Solvent-controlled assembly of pillar[5]arene-based supramolecular networks via π - π interactions for white light modulation. <i>Organic Chemistry Frontiers</i> , 2020, 7, 399-404.	2.3	20
637	Thermally stable Ca ₂ Ga ₂ SiO ₇ :Tb ³⁺ green emitting phosphor for tricolor w-LEDs application. <i>Materials Research Bulletin</i> , 2020, 124, 110750.	2.7	22
638	Synthesis and photoluminescence of color tunable red emitting Ba ₂ YAlO ₅ :Eu ³⁺ phosphors. <i>Journal of Molecular Structure</i> , 2020, 1205, 127551.	1.8	14
639	Crystal structure refinement, photoluminescence properties and energy transfer of multicolor tunable Ca ₂ Al ₂ SiO ₇ :Tm ³⁺ , Dy ³⁺ for NUV white-light-emitting diodes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 229, 117942.	2.0	12
640	Rare-Earth-Doped Y ₄ Al ₂ O ₉ Nanoparticles for Stable Light-Converting Phosphors. <i>ACS Applied Nano Materials</i> , 2020, 3, 699-710.	2.4	21
641	Enhancing electrofluorochromic efficiency through C ₃₀ H ₃₁ N ₆ ⁺ -sensitized layer-by-layer polyoxometalate films. <i>Applied Surface Science</i> , 2020, 503, 144321.	3.1	6
642	A narrow-band ultra-bright green phosphor for LED-based applications. <i>Dalton Transactions</i> , 2020, 49, 1935-1946.	1.6	15
643	A moisture-stable organosulfonate-based metal-organic framework with intrinsic self-trapped white-light emission. <i>Chemical Communications</i> , 2020, 56, 1325-1328.	2.2	12
644	Accurate tuning of rare earth metal-organic frameworks with unprecedented topology for white-light emission. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1374-1379.	2.7	26
645	Energy transfer and tunable luminescent properties in Eu ²⁺ /Tb ³⁺ /Eu ³⁺ co-doped oxyfluoride aluminosilicate glass. <i>Journal of Luminescence</i> , 2020, 219, 116966.	1.5	8
646	Doped Lead Halide White Phosphors for Very High Efficiency and Ultra-High Color Rendering. <i>Angewandte Chemie</i> , 2020, 132, 2824-2829.	1.6	19
647	White-light/tunable emissions in single-phased BaLa ₂ Si ₃ O ₁₀ :Eu ³⁺ , Bi ³⁺ phosphor for the simultaneous applications in white light-emitting diodes and luminous cement. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 495-504.	1.1	4
648	Synthesis, Crystal Structure, and Luminescence Properties of a White-Light-Emitting Nitride Phosphor, Ca _{0.99} Eu _{0.01} AlSi ₄ N ₇ . <i>Inorganic Chemistry</i> , 2020, 59, 367-375.	1.9	4
649	Tunable dual-mode emission with excellent thermal stability in Ca ₄ ZrGe ₃ O ₁₂ :Eu phosphors prepared in air for NUV-LEDs. <i>Journal of the American Ceramic Society</i> , 2020, 103, 2610-2616.	1.9	5
650	A Mn ⁴⁺ -doped oxyfluoride phosphor with remarkable negative thermal quenching and high color stability for warm WLEDs. <i>Chemical Engineering Journal</i> , 2020, 392, 123657.	6.6	115

#	ARTICLE	IF	CITATIONS
651	Doped Lead Halide White Phosphors for Very High Efficiency and Ultra-High Color Rendering. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2802-2807.	7.2	98
652	The Bright X-Ray Stimulated Luminescence of HfO ₂ Nanocrystals Activated by Ti Ions. <i>Advanced Optical Materials</i> , 2020, 8, 1901348.	3.6	13
653	Host-sensitized tunable luminescence of single-phase white light-emitting Ca ₂ Sb ₂ O ₇ :Eu ³⁺ phosphors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 423-434.	1.1	17
654	A review on the advancements in phosphor-converted light emitting diodes (pc-LEDs): Phosphor synthesis, device fabrication and characterization. <i>Progress in Materials Science</i> , 2020, 109, 100622.	16.0	373
655	Energy transfer and white luminescence in Bi ³⁺ /Eu ³⁺ co-doped oxide glasses. <i>Journal of Luminescence</i> , 2020, 219, 116918.	1.5	13
656	A new photochromic Gd-MOF with photoswitchable bluish-white to greenish-yellow emission based on electron transfer. <i>Chemical Communications</i> , 2020, 56, 14689-14692.	2.2	36
657	Color Tuning of Light Emitted from the Cathodoluminescence of (Ca _{1-x} Eu _x)Ga ₂ S ₄ Phosphors. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 1027-1032.	1.0	1
658	Multicolor emission leading by energy transfer between Dy ³⁺ and Eu ³⁺ in wolframite InNbTiO ₆ . <i>Journal of Luminescence</i> , 2020, 227, 117578.	1.5	11
659	H-shaped oxalate-bridging lanthanoid-incorporated arsenotungstates. <i>Dalton Transactions</i> , 2020, 49, 15731-15738.	1.6	9
660	Synthesis and Photoluminescence Properties of Rare-Earth-Activated Sr _{3-x} A _x AlO ₄ H (A = Ca, Ba; x = 0, 1): New Members of Aluminate Oxyhydrides. <i>Inorganic Chemistry</i> , 2020, 59, 15384-15393.	1.9	11
661	SDC/OS-LDH composite for highly sensitive fluorescence detection of Fe ³⁺ at a much lower concentration. <i>Dalton Transactions</i> , 2020, 49, 10413-10420.	1.6	10
662	A single Mn ²⁺ ions activated fluosilicate glass with continuously tunable broadband emission from 475 nm to 800 nm. <i>Journal of Luminescence</i> , 2020, 227, 117532.	1.5	6
663	Eu ³⁺ ions doped Bi ₂ SiO ₅ as a novel solid acid catalyst for methyl oleate production: Ultrasonic hydrothermal synthesis, characterization, catalytic activity and kinetics. <i>Fuel</i> , 2020, 280, 118596.	3.4	5
664	Improving thermal stability of novel single-component white-light emitting phosphor Ca ₈ MgLu(PO ₄) ₇ :Tm ³⁺ , Dy ³⁺ by back-energy-transfer. <i>Journal of Luminescence</i> , 2020, 227, 117516.	1.5	26
665	Eu ³⁺ -activated Ln ₂ TeO ₆ (Ln = La, Y) as a novel red-emitting phosphor for warm white LEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 22945-22956.	1.1	4
666	Tuning the Langasite, La ₃ SbZn ₃ Si ₂ O ₁₄ , towards white light emission: synthesis, structure, SHG and photoluminescence studies. <i>Dalton Transactions</i> , 2020, 49, 17649-17657.	1.6	7
667	A trimeric tri-Tb ³⁺ including antimonotungstate and its Eu ³⁺ /Tb ³⁺ /Dy ³⁺ /Gd ³⁺ -codoped species with luminescence properties. <i>Dalton Transactions</i> , 2020, 49, 12401-12410.	1.6	7
668	Highly-efficient and stable warm white emission from perovskite/silica composites with photoactivated luminescence enhancement. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12623-12631.	2.7	10

#	ARTICLE	IF	CITATIONS
669	Multifaceted functionalities constructed from pyrazine-based AIEgen system. <i>Coordination Chemistry Reviews</i> , 2020, 422, 213472.	9.5	39
670	A novel Mn ⁴⁺ doped oxyfluoride red phosphor for rapid-response backlights display. <i>Dalton Transactions</i> , 2020, 49, 11290-11299.	1.6	22
671	Garnet-Type Nanophosphors for White LED Lighting. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	15
672	Adjustable white luminescence and high thermal stability in Eu ²⁺ /Eu ³⁺ /Tb ³⁺ /Al co-doped aluminosilicate oxyfluoride glass. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156435.	2.8	20
673	Power density dependent upconversion properties of NaYbF ₄ : Er ³⁺ @NaYbF ₄ : Tm ³⁺ @NaYF ₄ nanoparticles and their application in white-light emission LED. <i>Journal of Luminescence</i> , 2020, 227, 117566.	1.5	22
674	Full visible spectra emission of multiple site wollastonite phosphor doped with Eu, La ions ¹ . <i>Journal of Luminescence</i> , 2020, 226, 117417.	1.5	5
675	Emission color tuning via modulating PO ₄ ³⁻ /VO ₄ ³⁻ proportion in Gd(PxV1-x)O ₄ : 1Åat.% Dy ³⁺ : Realization of a promising single-phased white-light-emitting phosphor at x = 0.3. <i>Journal of Luminescence</i> , 2020, 225, 117398.	1.5	8
676	Rare-earth-free zinc aluminium borate white phosphors for LED lighting. <i>Journal of Materials Chemistry C</i> , 2020, 8, 11839-11849.	2.7	13
677	HF-free molten salt route for synthesis of highly efficient and water-resistant K ₂ SiF ₆ :Mn ⁴⁺ for warm white LED. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6901-6912.	1.9	20
678	Highly thermal stable phosphor LiSrPO ₄ :Eu ²⁺ with a new crystal structure. <i>Applied Materials Today</i> , 2020, 21, 100792.	2.3	6
679	Enhanced Cyan Emission and Optical Tuning of Ca ₃ Ga ₄ O ₉ :Bi ³⁺ for High-Quality Full-Spectrum White Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020, 8, 2001037.	3.6	84
680	Full color-emitting (Y,Tb,Eu)NbO ₄ nanophosphors: calcination-assisted hydrothermal synthesis, energy interaction, and application in deep UV chip-based WLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14548-14558.	2.7	31
681	Atomistic Perspective on the Intrinsic White-Light Photoluminescence of Rare-Earth Free MgMoO ₄ Nanoparticles. <i>Crystal Growth and Design</i> , 2020, 20, 6592-6603.	1.4	13
682	Interplay between local distortion at lattice sites with optical and electrical properties of Eu ³⁺ -doped MNbO ₃ (M = Na and K) compounds. <i>Materials Advances</i> , 2020, 1, 2380-2394.	2.6	20
683	Synthesis and Red Emission of Eu ³⁺ -DOPED NaLaMo ₂ O ₈ Phosphors. <i>Journal of Applied Spectroscopy</i> , 2020, 87, 753-757.	0.3	1
684	Elucidating the electronic structures and photoluminescence properties of single-phase ScF ₃ :Dy ³⁺ , Eu ³⁺ , Ce ³⁺ phosphors for LEDs. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 96, 753-762.	1.1	3
685	Emerging high-power NIR-emitting phosphor-converted LEDs. <i>Green Energy and Environment</i> , 2021, 6, 617-619.	4.7	1
686	Efficient Regulation of Energy Transfer in a Multicomponent Dye-Loaded MOF for White-Light Emission Tuning. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 51589-51597.	4.0	52

#	ARTICLE	IF	CITATIONS
687	A new mixed-anion phosphate Cs ₂ Bi ₂ Sr(P ₂ O ₇)(PO ₄) ₂ : Synthesis, characterization, structure and its Eu ³⁺ -activated luminescence. <i>Journal of Solid State Chemistry</i> , 2020, 288, 121411.	1.4	9
688	Pressure-Induced Enhancement of Broad-Band White Light Emission in Butylammonium Lead Bromide. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4131-4137.	2.1	22
689	Cationic substitution induced tuning of photoluminescence in Ba _{2.94} -2La Na P ₄ O ₁₃ : 0.06Eu phosphors for WLEDs. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155109.	2.8	16
690	Tailorable Indirect to Direct Band-Gap Double Perovskites with Bright White-Light Emission: Decoding Chemical Structure Using Solid-State NMR. <i>Journal of the American Chemical Society</i> , 2020, 142, 10780-10793.	6.6	58
691	Recent Advances in Bismuth Ion-Doped Phosphor Materials: Structure Design, Tunable Photoluminescence Properties, and Application in White LEDs. <i>Advanced Optical Materials</i> , 2020, 8, 1901993.	3.6	204
692	Versatile Induction of Efficient Organic-Based Room-Temperature Phosphorescence via Al-DMSO Matrices Encapsulation. <i>Advanced Optical Materials</i> , 2020, 8, 2000482.	3.6	12
693	A facile in situ surface-coating passivation strategy for improving the moisture resistance of Mn ⁴⁺ -activated fluoride red phosphor. <i>Ceramics International</i> , 2020, 46, 18281-18286.	2.3	34
694	Constructing a single-white-light emission by finely modulating the occupancy of luminescence centers in europium-doped (Ca _{1-x} Sr _x) ₉ Bi(PO ₄) ₇ for WLEDs. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9576-9584.	2.7	19
695	Synthesis, optical properties, energy transfer, thermal behavior, and LED package of Eu ³⁺ doped lutetium tungsten oxide phosphors. <i>Optical Materials</i> , 2020, 101, 109753.	1.7	12
696	Two single-phase ZnWO ₄ : RE ³⁺ , Li ⁺ (RE = Sm, Eu) white phosphors with high luminous intensity synthesized by solid-state reaction. <i>Journal of Luminescence</i> , 2020, 226, 117377.	1.5	10
697	Photoluminescence, TGA/DSC and photocatalytic activity studies of Dy ³⁺ doped SrY ₂ O ₄ nanophosphors. <i>RSC Advances</i> , 2020, 10, 21049-21056.	1.7	11
698	Amphiphilic Carbon Dots with Excitation-Independent Double-Emissions. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000146.	1.2	13
699	Chemical bond parameters, charge transfer band in Eu ³⁺ -activated La ₂ Mo ₂ O ₉ phosphors based on complex chemical bond theory. <i>Ceramics International</i> , 2020, 46, 18184-18192.	2.3	20
700	Thermal quenching properties of narrow-band blue-emitting MBe ₂ (PO ₄) ₂ :Eu ²⁺ (M = Ca, Sr) phosphors towards backlight display applications. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2685-2691.	3.0	18
701	Tunable photoluminescence from YTaO ₄ :Bi ³⁺ for ultraviolet converted pc-WLED with high chromatic stability. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6079-6085.	2.7	49
702	White Light Emission from a Zero-Dimensional Lead Chloride Hybrid Material. <i>ACS Photonics</i> , 2020, 7, 1178-1187.	3.2	39
703	Upconversion/downconversion luminescence of color-tunable Gd ₂ O ₃ :Er ³⁺ phosphors under ultraviolet to near-infrared excitation. <i>Solid State Sciences</i> , 2020, 102, 106165.	1.5	20
704	A novel multi-center activated single-component white light-emitting phosphor for deep UV chip-based high color-rendering WLEDs. <i>Chemical Engineering Journal</i> , 2020, 390, 124601.	6.6	116

#	ARTICLE	IF	CITATIONS
705	Effects of annealing temperature on structural and luminescence properties of CdMoO ₄ :Dy ³⁺ phosphor synthesized at room temperature by co-precipitation method. <i>Solid State Sciences</i> , 2020, 102, 106172.	1.5	17
706	A robust stimuli responsive Eu ³⁺ Metalo organic hydrogel and xerogel emitting white light. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 531-540.	5.0	10
707	Adhesive resin composites with ceramic nanoparticles for enhanced light extraction efficiency of sandwiched LED device structure. <i>Materials Today Communications</i> , 2020, 25, 101378.	0.9	1
708	Luminescent properties of Cu ⁺ doped aluminosilicate glasses: Effect of optical basicity and doping content. <i>Journal of Luminescence</i> , 2020, 226, 117518.	1.5	12
709	Influence of an adjoining cation on the luminescence performance of the Dy ³⁺ doped A ₃ Gd(PO ₄) ₂ ; (A=) Tj ETQq0 0 0 rgBT /Qyerlock 10	2.8	24
710	Narrow-band emitters in LED backlights for liquid-crystal displays. <i>Materials Today</i> , 2020, 40, 246-265.	8.3	118
711	Efficient white polymer light-emitting diodes (WPLEDs) based on covalent-grafting of [Zn ₂ (MP) ₃ (OAc)] into PVK. <i>Chemical Science</i> , 2020, 11, 2640-2646.	3.7	5
712	Novel red emitting phosphors Mg ₃ Y ₂ Ge ₃ O ₁₂ :Sm ³⁺ with high color purity and excellent thermal stability used in W-LEDs. <i>Journal of Alloys and Compounds</i> , 2020, 825, 154176.	2.8	55
713	S,N-Codoped oil-soluble fluorescent carbon dots for a high color-rendering WLED. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4343-4349.	2.7	47
714	Tunable Photoluminescence and Energy Transfer Efficiency in $\text{Ca}_{3}(\text{PO}_{4})_{2}\text{-Ca}_{9}\text{La}(\text{PO}_{4})_{7}\text{:Eu}^{2+}$, Mn^{2+} Solid Solution Phosphors Introduced by Emptying Site and Structural Confinement Effect for Solid-State Lighting Application. <i>Inorganic Chemistry</i> , 2020, 59, 3596-3605.	1.9	29
715	Facile synthesis, structure, and tunable luminescence properties of novel one-dimensional Bi ₄ Si ₃ O ₁₂ fibers. <i>CrystEngComm</i> , 2020, 22, 2002-2012.	1.3	6
716	Highly efficient near-infrared phosphor LaMgGa ₁₁ O ₁₉ :Cr ³⁺ . <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 1467-1473.	3.0	166
717	Engineering Quantum Dots with Ionic Liquid: A Multifunctional White Light Emitting Hydrogel for Enzyme Packaging. <i>Advanced Optical Materials</i> , 2020, 8, 1902022.	3.6	16
718	Pyrophosphate Phosphor Solid Solution with High Quantum Efficiency and Thermal Stability for Efficient LED Lighting. <i>IScience</i> , 2020, 23, 100892.	1.9	27
719	Rodlike YMn ₂ O ₅ Powders Derived from Hydrothermal Process Using Oxygen as Oxidant. <i>Materials</i> , 2020, 13, 805.	1.3	3
720	Structural, Electronic and Vibrational Properties of YAl ₃ (BO ₃) ₄ . <i>Materials</i> , 2020, 13, 545.	1.3	17
721	Effect of annealing temperature in the emission properties of nanocrystalline CaZr _{0.9} Sm Dy _{0.1} ~O ₃ systems prepared via self-propagating combustion synthesis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126280.	0.9	8
722	Realizing near-UV light excitation of Mn ²⁺ via efficient energy transfer from Eu ²⁺ for white LEDs. <i>Materials Research Bulletin</i> , 2020, 125, 110789.	2.7	10

#	ARTICLE	IF	CITATIONS
723	Achieving white-light/tunable emissions via the controllable energy transfer in the single Ba ₉ La ₂ Si ₆ O ₂₄ :Eu ³⁺ ,Bi ³⁺ phosphor for UV converted white LEDs. Journal of Luminescence, 2020, 221, 117052.	1.5	15
724	High pressure photoluminescence properties and structural stability of Eu doped AlN nanowires synthesized via a direct nitridation strategy. Journal of Alloys and Compounds, 2020, 823, 153804.	2.8	8
725	Effect of fluxes on luminescence properties of color-tunable Ba _{1.3} Ca _{0.7} SiO ₄ :Eu ²⁺ , Mn ²⁺ Phosphor for Near-Ultraviolet White-LEDs. Materials Research Bulletin, 2020, 125, 110808.	2.7	14
726	A low cost and high efficient Ba ₉ (Lu _{2-x} YAl _x)Si ₆ O ₂₄ :yCe ³⁺ cyan-emitting phosphor. Ceramics International, 2020, 46, 11466-11473.	2.3	13
727	Generation of warm white light by doping Sm ³⁺ in Ca ₃ TeO ₆ :Dy ³⁺ fluorescent powders. Ceramics International, 2020, 46, 14252-14256.	2.3	21
728	Synthesis, characterization and photoluminescent properties of Sm ³⁺ /Dy ³⁺ doped strontium zirconate perovskites. Journal of Electroceramics, 2020, 44, 163-172.	0.8	8
729	Enhanced emission of Eu ³⁺ in lutetium tungsten molybdenum oxide phosphors: Synthesis, optical properties, thermal behavior, and LED packaging. Journal of Luminescence, 2020, 223, 117269.	1.5	11
730	Tuning the oxidation states of dopants in Li ₂ SrSiO ₄ :Eu,Ce and control of the photoemission color. Journal of Solid State Chemistry, 2020, 288, 121367.	1.4	6
731	Constructing a tetraphenylethene (TPE) derivative-decorated polyvinyl alcohol (PVA)/lanthanide nanoparticle composite system for tunable luminescence. Dalton Transactions, 2020, 49, 5539-5546.	1.6	2
732	Improved luminescence properties of a novel red dodec-fluoride phosphor Ba ₃ Sc ₂ F ₁₂ :Mn ⁴⁺ with extraordinary thermal stability for WLED application. Journal of Materials Chemistry C, 2020, 8, 6299-6305.	2.7	29
733	Structural and optical characterization of Tm ³⁺ -doped apatite related NaLa ₉ (GeO ₄) ₆ O ₂ phosphors. Ceramics International, 2020, 46, 26416-26424.	2.3	5
734	Expanded benzofuran-decorated twistacene derivatives: synthesis, characterization and single-component white electroluminescence. Physical Chemistry Chemical Physics, 2020, 22, 12166-12172.	1.3	8
735	Site-selective occupation of Eu ²⁺ activators toward full-visible-spectrum emission in well-designed borophosphate phosphors. Chemical Engineering Journal, 2020, 395, 125141.	6.6	57
736	Multiresponsive Luminescence Materials: Richer Color Than Chameleon Materials. Advanced Optical Materials, 2020, 8, 2000007.	3.6	14
737	Tunable luminescence and energy transfer in Y ₂ BaAl ₄ SiO ₁₂ :Tb ³⁺ ,Eu ³⁺ phosphors for solid-state lighting. Journal of Rare Earths, 2021, 39, 284-290.	2.5	34
738	A novel single-phase Na _{3.6} Y _{1.8} (PO ₄) ₃ :Bi ³⁺ ,Eu ³⁺ phosphor for tunable and white light emission. Ceramics International, 2021, 47, 284-291.	2.3	33
739	Sensitizing Full-Visible Spectrum Lanthanide Luminescence within a Semiconductor CaZnOS Host. Advanced Photonics Research, 2021, 2, 2000089.	1.7	13
740	Tuning the Oxidation States of Dopants: A Strategy for the Modulation of Material Photoluminescence Properties. Chemistry - A European Journal, 2021, 27, 905-914.	1.7	6

#	ARTICLE	IF	CITATIONS
741	Phosphor-converted LEDs. , 2021, , 87-126.		3
742	Structural, Vibrational, Optical and Improved Photoluminescence Properties of Dy ³⁺ Doped Ca ₂ KZn ₂ V ₃ O ₁₂ Phosphors. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 695-703.	1.9	9
743	Double Stopband Bilayer Photonic Crystal Based Upconversion Fluorescence PSA Sensor. Sensors and Actuators B: Chemical, 2021, 326, 128816.	4.0	26
744	Effect of A ⁺ (A = Li, Na and K) co-doping on enhancing the luminescence of Ca ₅ (PO ₄) ₂ SiO ₄ :Eu ³⁺ red-emitting phosphors as charge compensator. Ceramics International, 2021, 47, 3540-3547.	2.3	19
745	A neoteric approach to achieve CaF ₂ :Eu ^{2+/3+} one-dimensional nanostructures with direct white light emission and color-tuned photoluminescence. Journal of Alloys and Compounds, 2021, 851, 156784.	2.8	10
746	High Color Rendering Index and Stable White Light Emitting Diodes by Assembling Two Broadband Emissive Self-Trapped Excitons. Advanced Materials, 2021, 33, e2001367.	11.1	162
747	Significantly enhanced the humidity resistance of a novel red phosphor CsNaGe _{0.5} Sn _{0.5} F ₆ :Mn ⁴⁺ through surface modification. Chemical Engineering Journal, 2021, 420, 127673.	6.6	12
748	Controllable luminescence and efficient energy transfer investigation of a novel white light emission phosphor Ca ₁₉ Na ₂ Mg(PO ₄) ₁₄ : Dy ³⁺ , Tm ³⁺ with high thermal stability. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119181.	2.0	12
749	Luminescence modulation, near white light emission, selective luminescence sensing, and anticounterfeiting <i>via</i> a series of Ln-MOFs with a π -conjugated and uncoordinated lewis basic triazolyl ligand. Inorganic Chemistry Frontiers, 2021, 8, 329-338.	3.0	35
750	Intrinsic self-trapped broadband emission from zinc halide-based metal-organic frameworks. Chemical Communications, 2021, 57, 1396-1399.	2.2	5
751	Distortion induced structural characteristics of Ba ₂ R _{2/3} TeO ₆ (R) Tj ETQq0 0 0 rgBT /Overlock 10 for lighting and ratiometric temperature sensing. Materials Advances, 2021, 2, 1328-1342.	2.6	24
752	Luminescence, energy transfer, and color adjustment of CaO-CaF ₂ -Al ₂ O ₃ -B ₂ O ₃ -SiO ₂ glass co-doped with CeO ₂ and Sm ₂ O ₃ . Journal of Non-Crystalline Solids, 2021, 552, 120461.	1.5	18
753	Smart white lighting and multi-mode optical modulations via photochromism in Dy ³⁺ -doped KNN ₂ -based transparent ceramics. Journal of the American Ceramic Society, 2021, 104, 903-916.	1.9	40
754	Tunable luminescence, energy transfer and excellent thermal stability of SrMg ₂ (PO ₄) ₂ :Ce ³⁺ ,Tb ³⁺ phosphors for LEDs. Journal of Rare Earths, 2021, 39, 19-25.	2.5	23
755	Dual-ion substituted (MeY) ₃ (AlSi) ₅ O ₁₂ :Eu garnet phosphors: combinatorial screening, reductive annealing, and luminescence property. RSC Advances, 2021, 11, 22034-22042.	1.7	3
756	Controlled synthesis and photoluminescence properties of Bi ₂ SiO ₅ :Eu ³⁺ core-shell nanospheres with an intense ⁵ D ₀ → ⁷ F ₄ transition. Optical Materials Express, 2021, 11, 355.	1.6	11
757	Thermal stability of nitride phosphors for light-emitting diodes. Inorganic Chemistry Frontiers, 2021, 8, 4933-4954.	3.0	30
758	A combined bottom-up and top-down strategy to fabricate lanthanide hydrate@2D MOF composite nanosheets for direct white light emission. Journal of Materials Chemistry C, 2021, 9, 14628-14636.	2.7	18

#	ARTICLE	IF	CITATIONS
759	Modern aspects of strategies for developing single-phase broadly tunable white light-emitting phosphors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13041-13071.	2.7	32
760	On the role of Zr substitution in structure modification and photoluminescence of $\text{Li}_{5+2x}\text{La}_3(\text{Ta}_{1-x}\text{Zr}_x)_2\text{O}_{12}:\text{Eu}$ garnet phosphors. <i>Dalton Transactions</i> , 2021, 50, 3337-3347.	1.6	9
761	Recent progress of effect of crystal structure on luminescence properties of $\text{Ce}^{3+}@\text{Eu}^{2+}/\text{Co}$ -doped phosphors. <i>RSC Advances</i> , 2021, 11, 26354-26367.	1.7	4
762	Fabrication of two-phase Ca^{2+} -doped $\text{LaVO}_4:\text{Eu}^{3+}$ structures: morphology modification, tunable optical performance and detection of Fe^{3+} ions with high sensitivity. <i>Dalton Transactions</i> , 2021, 50, 11804-11813.	1.6	6
763	Rare-Earth-Free Barium Borostannate with Deep-Blue Light Emission. <i>Chemistry of Materials</i> , 2021, 33, 1852-1859.	3.2	10
764	Energy-Transfer-Induced Tunable Luminescence in $\text{Mg}_2\text{Al}_4\text{Si}_5\text{O}_{12}:\text{Ce}^{3+}/\text{Dy}^{3+}$ Phosphors. <i>Journal of Electronic Materials</i> , 2021, 50, 2761-2766.	1.0	6
765	Realization of warm white light emitting in single phase $\text{Gd}(\text{P}_6\text{V}_1)\text{O}_4:y$ at% $\text{Sm}^{3+}, 1\text{at}\%$ Bi^{3+} phosphor. <i>Journal of Rare Earths</i> , 2022, 40, 559-566.	2.5	11
767	A novel Bi-based crystalline molecular material: fluorescence response of the high efficient detection and recognition of the organic amines and white luminescence tuning. <i>Journal of Molecular Structure</i> , 2021, 1228, 129723.	1.8	3
768	Phosphor-Free Electrically Driven White Light Emission from Nanometer-Thick Barium-Organic Framework Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 2395-2403.	2.4	6
769	Cyan-Light-Emitting Chalcogenometallate Phosphor, $\text{KGa}_2\text{S}_2:\text{Eu}^{2+}$, for Phosphor-Converted White Light-Emitting Diodes. <i>Inorganic Chemistry</i> , 2021, 60, 6047-6056.	1.9	28
770	Enhanced red photoluminescence in chain-like $\text{SrAl}_2\text{O}_4:\text{Eu}^{3+}$ nanophosphors: utilizing charge compensation by modulating Na^+ co-doping concentration. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 8648-8656.	1.1	11
771	Preparation, structure, and luminescent properties of Dy^{3+} -doped borate $\text{Ca}_3\text{La}_3(\text{BO}_3)_5:\text{Dy}^{3+}$ for potential application in UV-LEDs. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	14
772	A novel single-phase $\text{Ba}_3\text{P}_4\text{O}_{13}:\text{Dy}^{3+},\text{Eu}^{3+}$ phosphor with tunable-emission and high thermal stability. <i>Optik</i> , 2021, 229, 166250.	1.4	8
773	Quantitative assessing of crystal field, nephelauxetic, and Stokes shift effects on the blue luminescence of Eu^{2+} ions incorporated in ZnS films. <i>Materials Research Express</i> , 2021, 8, 036406.	0.8	3
774	Research on Molecular Structure and Electronic Properties of Ln^{3+} ($\text{Ce}^{3+}, \text{Tb}^{3+}, \text{Pr}^{3+}$)/ Li^+ and Eu^{2+} Co-Doped $\text{Sr}_2\text{Si}_5\text{N}_8$ via DFT Calculation. <i>Molecules</i> , 2021, 26, 1849.	1.7	3
775	Transparent and Hazy $\text{Eu}^{2+}/\text{Tb}^{3+}$ -Nanopaper with Color-Tuning, Photo-Switching, and White Light-Emitting Properties for Anti-counterfeiting and Light-Softened WLEDs. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5827-5837.	3.2	25
776	Synthesis and photoluminescence properties of color-tunable $\text{Y}_2\text{SiWO}_8:\text{Dy}^{3+}, \text{Sm}^{3+}$ phosphor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12616-12630.	1.1	4
778	Single phase white LED phosphor $\text{Ca}_3\text{YAl}_3\text{B}_4\text{O}_{15}:\text{Ce}^{3+},\text{Tb}^{3+},\text{Sm}^{3+}$ with superior performance: Color-tunable and energy transfer study. <i>Chemical Engineering Journal</i> , 2021, 410, 128455.	6.6	80

#	ARTICLE	IF	CITATIONS
779	Europium-doped barium chloride storage phosphor plate synthesized by pulsed laser deposition. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4568-4576.	1.9	0
781	Ca ₁₉ Zn ₂ (PO ₄) ₁₄ :Dy ³⁺ , M ⁺ (M = Li, Na, K) white-emitting phosphors: Charge compensation effect of M ⁺ on the photoluminescence enhancement. <i>Ceramics International</i> , 2021, 47, 14260-14269.	2.3	21
782	An Advanced Tunable Multimodal Luminescent La ₄ GeO ₈ : Eu ²⁺ , Er ³⁺ Phosphor for Multicolor Anticounterfeiting. <i>Advanced Functional Materials</i> , 2021, 31, 2102479.	7.8	76
783	Design principles for achieving red emission in Eu ²⁺ /Eu ³⁺ doped inorganic solids. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	45
784	Synthesis red-emitting Ca ₂ LaNbO ₆ :xSm ³⁺ phosphors for good color-rendering-index white-LED devices. <i>Optik</i> , 2021, 233, 166595.	1.4	10
785	Endowing Phosphor Materials with Long-Afterglow Circularly Polarized Phosphorescence via Ball Milling. <i>Advanced Optical Materials</i> , 2021, 9, 2100452.	3.6	15
786	Efficiency-Tunable Single-Component White-Light Emission Realized in Hybrid Halides Through Metal Co-Occupation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29835-29842.	4.0	26
787	Emerging new-generation white light-emitting diodes based on luminescent lead-free halide perovskites and perovskite derivatives. <i>Nano Select</i> , 2022, 3, 280-297.	1.9	10
788	Defect Engineering in a Eu ²⁺ -Doped β -Al ₂ O ₃ Structure Blue Phosphor and Its Controllable Zero-Thermal Quenching Luminescence. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 7882-7890.	3.2	50
789	Tailoring of White Luminescence in a NaLi ₃ SiO ₄ :Eu ²⁺ Phosphor Containing Broad-Band Defect-Induced Charge-Transfer Emission. <i>Advanced Materials</i> , 2021, 33, e2101428.	11.1	107
790	Distortion and energy transfer assisted tunability in garnet phosphors. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 621-664.	6.8	23
791	Stable and Efficient White Photoluminescence from Cesium Lead Halide Perovskite Nanocrystals/Polyfluorene Organogel Composite by Suppressing of Halide Ion Migration. <i>Advanced Optical Materials</i> , 2021, 9, 2100601.	3.6	6
792	Lanthanide ions-activated Gd ₂ B ₂ WO ₉ : Multicolor tunable phosphors under single-wavelength excitation. <i>Journal of Alloys and Compounds</i> , 2021, 867, 159026.	2.8	3
793	Tuning photoactive metal-organic frameworks for luminescence and photocatalytic applications. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213757.	9.5	88
794	Structural and luminescence properties of Dy ³⁺ -doped La ₂ (MoO ₄) ₃ phosphors. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	8
795	Effect of bismuth ions on the photoluminescence properties of BaTiO ₃ :Dy ³⁺ perovskite phosphors for LEDs application. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 17136-17142.	1.1	0
796	A facile self-passivation strategy for improving moisture-resistance of fluoride red phosphors without surface modification. <i>Optical Materials</i> , 2021, 117, 111184.	1.7	7
797	Solution combustion synthesis and luminescence dynamics of CaTiO ₃ : Eu ³⁺ , Y ³⁺ nanophosphors. <i>Journal of Luminescence</i> , 2021, 235, 118048.	1.5	13

#	ARTICLE	IF	CITATIONS
798	Machine Learning Guided Design of Single-Phase Hybrid Lead Halide White Phosphors. <i>Advanced Science</i> , 2021, 8, e2101407.	5.6	14
799	Influence of Sm^{2+} and CaF_2 Concentration on the Enhancement of Luminescence and Red Colour in Borosilicate Glass. <i>Transactions of the Indian Ceramic Society</i> , 2021, 80, 208-215.	0.4	4
800	The deep red $\text{Ca}_2\text{YZr}_2\text{Al}_3\text{O}_{12}:\text{Mn}^{4+}$ phosphor and enhanced emission by Bi^{3+} doping. <i>Journal of Luminescence</i> , 2021, 236, 118131.	1.5	20
801	Novel Dy^{3+} -doped Ge^{4+} -substituted apatite-type phosphors, $\text{Ca}_9\text{La}(\text{PO}_4)_5[(\text{Si}_1\text{-Ge}_1\text{O}_4)]\text{F}_2:\text{Dy}^{3+}$: Synthesis, structure, crystal chemical features, and luminescent properties. <i>Ceramics International</i> , 2021, 47, 23300-23308.	2.3	7
802	Luminescence and tunable color properties of uniphase white-emitting $\text{Sr}_3\text{B}_2\text{SiO}_8:\text{Tm}^{3+}/\text{Dy}^{3+}/\text{Eu}^{3+}$ phosphors by energy transfer for UV-excited white LEDs. <i>Optical and Quantum Electronics</i> , 2021, 53, 1.	1.5	3
803	Desired warm white light emission from a highly photostable and single-component $\text{Gd}_2\text{TiO}_5:\text{Dy}^{3+}/\text{Eu}^{3+}$ nanophosphors for indoor illuminations. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160019.	2.8	11
804	Luminescence and energy transfer of white emitting phosphor $\text{Mg}_2\text{Y}_2\text{Al}_2\text{Si}_2\text{O}_{12}:\text{Eu}^{2+}, \text{Mn}^{2+}$. <i>Optik</i> , 2021, 241, 166450.	1.4	6
805	Stable Fluorescence of Eu^{3+} Complex Nanostructures Beneath a Protein Skin for Potential Biometric Recognition. <i>Nanomaterials</i> , 2021, 11, 2462.	1.9	6
806	Luminescence investigation of a novel red-emitting $\text{Sr}_3\text{NaSbO}_6:\text{Eu}^{3+}$ phosphor. <i>Optik</i> , 2021, 242, 166809.	1.4	11
807	Excitation and activator concentration induced color tuning and white light generation from Bi^{3+} sensitized $\text{Y}_2\text{O}_3:\text{Eu}^{3+}$: Energy transfer studies. <i>Journal of Alloys and Compounds</i> , 2021, 875, 160059.	2.8	11
808	Anti-thermal quenching of Eu^{3+} luminescence in negative thermal expansion $\text{Zr}(\text{WO}_4)_2$. <i>Ceramics International</i> , 2021, 47, 34820-34827.	2.3	17
809	Energy transfer dynamics in thermally stable single-phase $\text{LiMgBO}_3:\text{Tm}^{3+}/\text{Dy}^{3+}$ phosphor for UV triggered white light-emitting devices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 271, 115306.	1.7	9
810	Studies on green emitting characteristics of sol-gel derived Er^{3+} -doped $\text{Ca}_2\text{La}_8(\text{SiO}_4)_6\text{O}_2$ phosphors. <i>Optik</i> , 2021, 242, 167263.	1.4	9
811	Recent progress in lanthanide-doped luminescent glasses for solid-state lighting applications—a review. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 483001.	0.7	35
812	Large-scale room-temperature synthesis of high-efficiency lead-free perovskite derivative $(\text{NH}_4)_2\text{SnCl}_6:\text{Te}$ phosphor for warm wLEDs. <i>Chemical Engineering Journal</i> , 2021, 420, 129740.	6.6	42
813	A Hybrid Materials Approach for Fabricating Efficient WLEDs Based on BaSi_2O_7 Doped with Carbon Dots and a Europium Complex. <i>Advanced Materials Technologies</i> , 2022, 7, 2100727.	3.0	17
814	Novel rare earth activator ions-doped perovskite-type $\text{La}_4\text{Ti}_3\text{O}_{12}$ phosphors: Facile synthesis, structure, multicolor emissions, and potential applications. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160217.	2.8	16
815	Tunable luminescence and energy transfer mechanism of $\text{Ca}_2\text{Sb}_2\text{O}_7:\text{Dy}^{3+}$ host sensitized single phase cool white light emitting phosphor. <i>Journal of Solid State Chemistry</i> , 2022, 305, 122625.	1.4	9

#	ARTICLE	IF	CITATIONS
816	Effect of corroded SiO ₂ on the luminescent properties of La ₂ MoO ₆ :Eu ³⁺ phosphors. <i>Journal of Luminescence</i> , 2021, 239, 118342.	1.5	5
817	Dye encapsulation engineering in a tetraphenylethylene-based MOF for tunable white-light emission. <i>Journal of Colloid and Interface Science</i> , 2021, 604, 568-574.	5.0	16
818	Novel CsPbBr _{1.5} I _{1.5} @SrHAp single-phase white-light emitting phosphors: Facile synthesis, formation process, enhanced stability, and color-tunable luminescence. <i>Chemical Engineering Journal</i> , 2021, 426, 130809.	6.6	16
819	Multicolor emission and energy transfer dynamics in thermally stable Ca ₂ Ga ₂ SiO ₇ :Tb ³⁺ /Eu ³⁺ for warm w-LEDs application. <i>Optics and Laser Technology</i> , 2022, 145, 107455.	2.2	4
820	A novel red-emitting phosphor Mg ₂ Y ₂ Al ₂ Si ₂ O ₁₂ :Ce ³⁺ /Mn ²⁺ for blue chip-based white LEDs. <i>RSC Advances</i> , 2021, 11, 2706-2717.	4	4
821	Strategy to achieve the emission of white light and other colors from ZnAl ₂ O ₄ : (Eu ³⁺ + Tb ³⁺) films deposited by the USP technique. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	2
822	White-light emission from the quadruple-stranded dinuclear Eu(III) helicate decorated with pendent tetraphenylethylene (TPE). <i>New Journal of Chemistry</i> , 2021, 45, 7196-7203.	1.4	12
823	Bifunctional application of La ₃ BWO ₉ :Bi ³⁺ , Sm ³⁺ phosphors with strong orange-red emission and sensitive temperature sensing properties. <i>Dalton Transactions</i> , 2021, 50, 15187-15197.	1.6	18
824	Physical insights into the facilitation of an unprecedented complexation reaction on the surface of a doped quantum dot leading to white light generation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9860-9866.	1.3	2
825	Eu ³⁺ -doped SrGe ₄ O ₉ red emitting phosphors: structural, luminescence properties, theoretical calculation and applications. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	1
826	Energy transfer and highly thermal stability in single-phase SrY ₂ O ₄ :Bi ³⁺ , Sm ³⁺ phosphors for UV-LEDs. <i>Journal of Luminescence</i> , 2020, 228, 117606.	1.5	17
827	Facile low-temperature solid-state synthesis of efficient blue-emitting Cs ₃ Cu ₂ I ₅ powder phosphors for solid-state lighting. <i>Materials Today Chemistry</i> , 2020, 17, 100288.	1.7	53
828	Sensitization of NIR luminescence of Yb ³⁺ by Zn ²⁺ chromophores in heterometallic complexes with a bridging Schiff-base ligand. <i>Dalton Transactions</i> , 2017, 46, 10408-10417.	1.6	18
829	Multispectral tunability in single Eu ²⁺ -doped (Ba,Sr) ₅ (PO ₄) ₃ Br phosphor. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 2515-2522.	3.0	10
830	Switchable cool and cold white emission from dysprosium doped SrZnO ₂ . <i>Journal of Physics Condensed Matter</i> , 2021, 33, 035703.	0.7	7
831	Cool white light emission from Dy ³⁺ activated alkaline alumino silicate phosphors. <i>Optics Express</i> , 2018, 26, 29495.	1.7	62
832	Tunable white light emission of a large area film-forming macromolecular complex with a high color rendering index. <i>Optical Materials Express</i> , 2018, 8, 3635.	1.6	2
833	Blue- and white-light-emitting 2D-coordination polymers and their solid-state photodimerization reaction. <i>CrystEngComm</i> , 2021, 23, 7663-7670.	1.3	1

#	ARTICLE	IF	CITATIONS
834	Ca ₂ YHf ₂ Al ₃ O ₁₂ :Ce ³⁺ ,Mn ²⁺ : energy transfer and PL/CL properties of an efficient emission-tunable phosphor for LEDs and FEDs. <i>Inorganic Chemistry Frontiers</i> , 0, , .	3.0	6
835	Extension of Spectral Shift Controls from Equivalent Substitution to an Energy Migration Model Based on Eu ²⁺ /Tb ³⁺ -Activated Ba ₄ X ₂ Sr ₂ Gd ₃ Lu ₃ Na ₃ (PO ₄) ₄ Phosphors. <i>Inorganic Chemistry</i> , 2021, 60, 16507-16517.	1.0	4
836	Efficient, Stable, and Tunable Cold/Warm White Light from Lead-Free Halide Double Perovskites Cs ₂ Zr _{1-x} Te _x Cl ₆ . <i>Advanced Optical Materials</i> , 2021, 9, 2100815.	3.6	30
837	Site occupation and energy transfer in full color emitting phosphor Ba ₂ Ca(BO ₃) ₂ :Ce ³⁺ (K ⁺),Eu ²⁺ ,Mn ²⁺ . <i>Journal of Rare Earths</i> , 2022, 40, 1691-1698.	2.5	5
838	Single-phase white-emitting phosphors Ba ₃ Bi(PO ₄) ₃ :Dy ³⁺ , Eu ³⁺ with tunable correlated color temperature and high thermal stability towards light emitting applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 28077-28087.	1.1	11
839	Giant enhancement of white light emission from Ca ₉ Ln(PO ₄) ₇ :Eu ²⁺ ,Mn ²⁺ (Ln=La, Lu, Gd) phosphors achieved by remote aluminum reduction. <i>Optical Materials Express</i> , 2020, 10, 1306.		3
840	Machine learning identification of experimental conditions for the synthesis of single-phase white phosphors. <i>Matter</i> , 2021, 4, 3967-3976.	5.0	3
841	Efficient white light emission from a single silicate host with promising color quality for white light emitting diodes. <i>Optik</i> , 2021, , 168244.	1.4	1
842	An Extra-Broadband VIS-NIR Emitting Phosphor toward Multifunctional LED Applications. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	59
843	Synthesis and enhanced photoluminescence of the BaSiF ₆ :Dy ³⁺ phosphors by Li ⁺ doping via combustion method. <i>Journal of Luminescence</i> , 2022, 241, 118512.	1.5	4
844	A red phosphor of Ba ₃ In ₂ F ₁₂ :Mn ⁴⁺ with enhanced moisture stability for warm WLED application. <i>Journal of Luminescence</i> , 2022, 242, 118564.	1.5	18
845	Deciphering crystal structure and photophysical response of Bi ³⁺ and Pr ³⁺ co-doped Li ₃ Gd ₃ Te ₂ O ₁₂ for lighting and radiometric temperature sensing. <i>Journal of Alloys and Compounds</i> , 2022, 893, 162246.	2.8	7
846	Luminescence performance and vibronic behavior of Mn ⁴⁺ -activated Ca _{14-x} K _x Al ₁₀ Zn ₆ O ₃₅ deep-red phosphor. <i>Optics Letters</i> , 2021, 46, 5938.	1.7	7
847	Aggregation-induced emission luminogens and tunable multicolor polymer networks modulated by dynamic covalent chemistry. <i>Chinese Chemical Letters</i> , 2022, 33, 3267-3271.	4.8	16
848	Novel NASICON-type Na _{3.6} Y _{1.8} (PO ₄) ₃ :xDy ³⁺ phosphor: Structure and luminescence. <i>Optical Materials</i> , 2021, 122, 111738.	1.7	6
849	Supramolecular photoswitch with white-light emission based on bridged bis(pillar[5]arene)s. <i>Materials Today Chemistry</i> , 2021, 22, 100628.	1.7	12
850	Chromogenic Materials. , 2022, , 157-191.		3
851	Solution-combustion synthesized highly luminescent CaTiO ₃ :Gd ₂ O ₃ :Eu ³⁺ perovskite nanophosphors for WLED applications. <i>Journal of Science: Advanced Materials and Devices</i> , 2022, 7, 100400.	1.5	1

#	ARTICLE	IF	CITATIONS
852	Synthesis and optical properties of novel apatite-type NaCa ₃ Bi(PO ₄) ₃ F:Dy ³⁺ yellow-emitting fluorophosphate phosphors for white LEDs. Journal of Rare Earths, 2022, 40, 1827-1836.	2.5	6
853	Tm ³⁺ /Yb ³⁺ -co-doped SrF ₂ up-conversion phosphors for non-invasive optical thermometry: ratiometric approach using thermal and non-thermal coupled fluorescent emission bands. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	2
854	Achieving zero-thermal quenching luminescence in ZnGa ₂ O ₄ : 0.02Eu ³⁺ red phosphor. Journal of Alloys and Compounds, 2022, 898, 162786.	2.8	27
855	Optical properties of differing nanolayered structures of divalent europium doped barium fluoride thin films synthesized by pulsed laser deposition. Optical Materials, 2021, 122, 111796.	1.7	0
856	Double perovskite microcrystals-based white light-emitting diodes without reabsorption of multiphase phosphors. Optics Letters, 2021, 46, 6043.	1.7	7
857	Luminescence properties of Tb ³⁺ /Eu ³⁺ co-doped glass based on GSB system. Optical Materials, 2021, 122, 111754.	1.7	6
858	Luminescence properties, energy transfer and thermal stability of white emitting phosphor Sr ₃ (PO ₄) ₂ :Ce ³⁺ /Tb ³⁺ /Mn ²⁺ for white LEDs. RSC Advances, 2021, 12, 420-428.	1.7	3
859	Luminescence, energy transfer and tunable white emitting of borosilicate glass doubly doped with Tb/Sm or triply doped with Ce/Tb/Sm for white LEDs. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 276, 115565.	1.7	10
860	Synthesis, crystal structure and luminescence property in Y ₂ ZnGe ₄ O ₁₂ :Eu ³⁺ . Journal of Solid State Chemistry, 2022, 307, 122807.	1.4	1
861	Tailoring Bi ₂ MoO ₆ by Eu ³⁺ incorporation for enhanced photoluminescence emissions. Journal of Luminescence, 2022, 243, 118675.	1.5	9
862	Light Emission Enhancement of (C ₃ H ₁₀ N) ₄ Pb ²⁺ Mn ²⁺ Br ₆ Metal-Halide Powders by the Dielectric Confinement Effect of a Nanosized Water Layer. ACS Applied Materials & Interfaces, 2022, 14, 6167-6179.	4.0	14
863	Embedding red-emitting dyes in robust hydrogen-bonded organic framework for application in warm white light-emitting diodes. Microporous and Mesoporous Materials, 2022, 331, 111673.	2.2	6
864	Luminescence properties and energy transfer processes in Ce ³⁺ -Sm ³⁺ co-doped calcium aluminosilicate materials. Optical Materials, 2022, 123, 111864.	1.7	2
865	Multiple energy transfer between CaNb ₂ O ₆ :Tb ³⁺ , Eu ³⁺ for single-component white light-emitting phosphors. Journal of Materials Science: Materials in Electronics, 2022, 33, 3384-3396.	1.1	2
866	Anisometric Ln(III) Complexes with Efficient Near-IR Luminescence. Inorganics, 2022, 10, 9.	1.2	1
867	Physics of inorganic upconverting nanophosphors and their relevance in applications. , 2022, , 49-102.		1
868	Emission Color-Tunable Pb-Sn Alloyed Single Crystals with High Luminescent Efficiency and Stability. Advanced Optical Materials, 2022, 10, .	3.6	15
869	Highly thermostable white-emitting Ca ₉ ZnK(PO ₄) ₇ :Ce ³⁺ , Dy ³⁺ single-phase phosphor with tunable photoluminescence and energy transfer. Dalton Transactions, 2022, 51, 2770-2781.	1.6	17

#	ARTICLE	IF	CITATIONS
870	Site-selective and cooperative doping of $Gd_3Al_5O_{12}$:Ce garnets for structural stabilization and warm WLED lighting of low CCT and high CRI. Dalton Transactions, 2022, 51, 645-654.	1.6	10
871	Bi ³⁺ sensitized $Gd_2O_3:Eu^{3+}$: A potential red phosphor for UV LED pumped white light emission. Journal of Alloys and Compounds, 2022, 902, 163831.	2.8	11
872	Recent development of aluminate materials for solid state lighting. Progress in Solid State Chemistry, 2022, 66, 100347.	3.9	9
873	Transforming incipient to real ferroelectrics in $SrTiO_3$ upon doping luminescent Eu^{3+}/Tb^{3+} ions and the generation of white light for piezo-phototronics application. Journal of Alloys and Compounds, 2022, 904, 164086.	2.8	5
874	A novel cyan-emitting phosphor $KScSrSi_2GeO_7:0.07Bi^{3+}$ for white LEDs with high color rendering index and low correlated color temperature. CrystEngComm, 2022, 24, 2767-2776.	1.3	9
875	Color regulation for $Eu(tta)_3$ phen/E7 composites by interaction between Eu^{3+} complexes and liquid crystals. Journal of Materials Chemistry C, 2022, 10, 6435-6443.	2.7	4
876	Organic-inorganic one-dimensional hybrid aggregates constructed from aromatic-bisphosphonate-functionalized polyoxomolybdates. Dalton Transactions, 2022, , .	1.6	4
877	Synthesis of Rare Earth Doped Si_3N_4 Nanowires with Excellent Luminescence Properties by Plasma-Assisted Direct Nitridation Method. SSRN Electronic Journal, 0, , .	0.4	0
878	Microscopic Mechanism of the Heat-Induced Blueshift in Phosphors and a Logarithmic Energy Dependence on the Nearest Dopant-Vacancy Distance. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
879	Microscopic Mechanism of the Heat-Induced Blueshift in Phosphors and a Logarithmic Energy Dependence on the Nearest Dopant-Vacancy Distance. Angewandte Chemie, 2022, 134, .	1.6	0
880	Luminescence enhancement of single-component $Ca_{19}Zn_2(PO_4)_{14}:Dy^{3+}$ white-emitting phosphor powders through partial substitution of PO_4^{3-} with SiO_4^{4-} and BO_3^- . Ceramics International, 2022, 48, 17053-17064.	2.3	6
881	Luminescent characteristics of $Tm^{3+}/Tb^{3+}/Eu^{3+}$ tri-doped $Na_5Y_9F_{32}$ single crystals for white emission with high thermal stability. Chinese Physics B, 2022, 31, 127802.	0.7	1
882	Wood-cellulose photoluminescence material based on carbon quantum dot for light conversion. Carbohydrate Polymers, 2022, 290, 119429.	5.1	26
883	Perovskite quantum dot-coated YAG:Ce composites for warm white light-emitting diodes. Optical Materials, 2022, 127, 112309.	1.7	4
884	Chameleon-like photoluminescence of $(Sr,Mg)_2Si(O,N)_4:Eu^{2+}$ nitridosilicate phosphors. Optical Materials, 2022, 127, 112241.	1.7	0
885	K replaces Rb towards cyan to red ultra-wideband perovskite-type phosphors for full-spectrum lighting. Optical Materials, 2022, 127, 112246.	1.7	5
886	Tunable multicolor luminescence and energy transfer mechanism in Eu^{3+}/Dy^{3+} co-doped $Ca_2Sb_2O_7$ phosphor under UV excitation. Optics and Laser Technology, 2022, 151, 108029.	2.2	10
887	Constructing Concentration and Temperature Controllable Blue-Green Emission in a Single-Component Solid-State Phosphor. Journal of Physical Chemistry C, 2021, 125, 27420-27428.	1.5	1

#	ARTICLE	IF	CITATIONS
888	Unveiling White Light Emission of a One-Dimensional Cu(I)-Based Organometallic Halide toward Single-Phase Light-Emitting Diode Applications. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12345-12351.	2.1	17
889	Thermally boosted upconversion and downshifting luminescence in Sc ₂ (MoO ₄) ₃ :Yb/Er with two-dimensional negative thermal expansion. <i>Nature Communications</i> , 2022, 13, 2090.	5.8	99
890	Photoelectric Modification of La- and Er-Doped Mg ₂ Si Semiconductors with High Absorption Coefficients in the Infrared and Ultraviolet Regions. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
891	Facile synthesis of Sr ²⁺ -doped LaVO ₄ :Eu ³⁺ nanostructures: Morphology evolution, luminescence modulation and turn-off fluorescent probe for selectively detecting Cu ²⁺ ions with high sensitivity. <i>Ceramics International</i> , 2022, 48, 23249-23257.	2.3	4
892	Charge compensation and solid-state lighting application for dysprosium-activated Ba ₂ TeP ₂ O ₉ phosphor. <i>Journal of Alloys and Compounds</i> , 2022, 912, 165188.	2.8	11
893	An Insights into Non-RE Doped Materials for Opto-Electronic Display Applications. , 2022, , 433-472.		1
894	Synthesis of rare earth doped Si ₃ N ₄ nanowires with excellent luminescence properties by plasma-assisted direct nitridation method. <i>Journal of Alloys and Compounds</i> , 2022, 915, 165458.	2.8	2
895	Sensitization of Mn ²⁺ luminescence via efficient energy transfer to suit the application of high color rendering WLEDs. <i>Dalton Transactions</i> , 2022, 51, 9501-9510.	1.6	12
896	The Photoluminescence of a Blue Phosphor Eu ²⁺ Doped Silicate Lutetium Strontium with Triple Sites. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
897	Multiple Strategies to Approach High-Efficiency Luminescence Controllable in Blue/Cyan/Green-Emitting Bi ³⁺ -Activated Phosphors. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9195-9206.	1.5	16
898	Spectroscopic investigations of Dy ³⁺ -doped tungstate-tellurite glasses for solid-state lighting applications. <i>International Journal of Applied Glass Science</i> , 2022, 13, 645-654.	1.0	5
899	Structure Determination in a New Class of Amorphous Cluster Compounds with Extreme Nonlinear Optical Properties. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	0.7	2
900	Structural and Optical Properties of Dy ³⁺ Doped with an Eulytite Type NaBaBi ₂ (PO ₄) ₃ Phosphor for White Light Emitting Diodes. <i>Asian Journal of Chemistry</i> , 2022, 34, 1869-1874.	0.1	1
901	Bright white light up-conversion luminescence from Yb ³⁺ /Er ³⁺ /Tm ³⁺ tridoped gadolinium gallium garnet nano-crystals for multicolor and white light-emitting diodes. <i>Optical Materials</i> , 2022, 131, 112613.	1.7	5
902	Exploring a new Dy ³⁺ -activated borotellurate phosphor with thermally stable photoluminescence. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165837.	2.8	12
903	A Novel Red-Emitting Sr ₇ Sb ₂ O ₁₂ :Sm ³⁺ , Eu ³⁺ Phosphor: Synthesis, Luminescent Properties, and Led Packaging. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
904	Single-Component White Light Emission from a Metal-Coordinated Cyclotrimeratrylene-Based Coordination Polymer. <i>Inorganic Chemistry</i> , 2022, 61, 10768-10773.	1.9	3
905	Triple luminescent center energy transfer enables color tuning in Na ₃ Y(PO ₄) ₂ :RE ³⁺ (RE= Tb/Eu/Tm) for w-LEDs. <i>Polyhedron</i> , 2022, 225, 116047.	1.0	4

#	ARTICLE	IF	CITATIONS
906	Towards single broadband white emission in $\text{Rb}_0.5\text{K}_{1.5}\text{CaPO}_4(\text{F}, \text{Cl}): \text{Eu}^{2+}$ via selective site occupancy engineering for solid-state lighting applications. <i>Chemical Engineering Journal</i> , 2022, 449, 137801.	6.6	14
907	Photoluminescence of Bi^{3+} in $\text{LiCa}_5(\text{BO}_3)_6$ and color-tunable emission through energy transfer to $\text{Eu}^{3+}/\text{Tb}^{3+}$. <i>Journal of Luminescence</i> , 2022, 251, 119161.	1.5	3
908	Energy transfer mediated single-phased white light emission in Bi^{3+} - Eu^{3+} codoped $\text{Ba}_3\text{YGa}_2\text{O}_7$ for WLED. <i>Journal of Alloys and Compounds</i> , 2022, 923, 166419.	2.8	14
909	Antimony -doped indium-based halide single crystals enabling white-light emission. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 5008-5015.	3.0	18
910	Surface Modification of Dual-Emitting Quantum Dot Complex by Ionic Liquid for Bright and Stable White-Light Emission. <i>ACS Applied Nano Materials</i> , 2022, 5, 11906-11911.	2.4	2
911	Electrospinning preparation and white upconversion luminescence of $\text{Y}_2\text{Ti}_2\text{O}_7:\text{Tm}/\text{Yb}/\text{Er}$ nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2022, 128, .	1.1	0
912	High-Efficiency Continuous-Luminescence-Controllable Performance and Antithermal Quenching in Bi^{3+} -Activated Phosphors. <i>Inorganic Chemistry</i> , 2022, 61, 13104-13114.	1.9	12
913	A Color-tunable Nitride Phosphor for Near-Ultraviolet Excitation of White Light-emitting Diodes. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	5
914	Optimization of the Pechini-derived synthesis of rare-earth free aluminum borate phosphors presenting tunable white emission. <i>Journal of Materials Science</i> , 2022, 57, 15829-15842.	1.7	2
915	Enhanced reliability of phosphor-converted white light-emitting diodes based on a laser-cured silicone encapsulant layer. <i>Microelectronics Reliability</i> , 2022, 137, 114756.	0.9	2
916	Fluorescent Ca^{2+} -doped $\text{LaVO}_4:\text{Eu}^{3+}$ nanocrystals featuring highly sensitive detecting Cu^{2+} ions. <i>Optical Materials</i> , 2022, 132, 112766.	1.7	3
917	Influence of rare earth ions on luminescent properties of self-emitting $\text{KCa}_2\text{Mg}_2(\text{VO}_4)_3$ phosphors for lighting application. <i>Optik</i> , 2022, 270, 169976.	1.4	7
918	Investigation on effect of Ca^{2+} ions in $\text{SrLa}_2\text{O}_4:\text{Dy}^{3+}$ phosphors for solid state lighting application. <i>Optik</i> , 2022, 271, 169989.	1.4	1
919	Photoluminescence Property of Erbium-Doped Yttrium Oxide: Doping Concentration and Its Effect. <i>Integrated Ferroelectrics</i> , 2022, 230, 100-107.	0.3	0
920	$\text{Bi}_4\text{BPO}_{10}:\text{Dy}^{3+}$: a single-phase white-emitting phosphor for light-emitting diodes. <i>Materials Today Chemistry</i> , 2022, 26, 101199.	1.7	5
921	A single-phase white-emitting $\text{La}(\text{BO}_3, \text{PO}_4):\text{Dy}^{3+}$ phosphor with high thermostability. <i>Ceramics International</i> , 2023, 49, 6965-6973.	2.3	16
922	Design of a superb Eu^{2+} - Mn^{2+} codoped narrow-band green phosphor via nearly 100% energy transfer efficiency. <i>Journal of the American Ceramic Society</i> , 2023, 106, 1216-1229.	1.9	5
923	Recent Developments of Microscopic Study for Lanthanide and Manganese Doped Luminescent Materials. <i>Small</i> , 2022, 18, .	5.2	6

#	ARTICLE	IF	CITATIONS
924	Rare-earth (Nd and Eu) induced structural transformation and optical properties of brownmillerite-type Sr ₂ ScGaO ₅ oxide. Journal of Solid State Chemistry, 2022, , 123696.	1.4	3
925	Complete B-site cation regulation accomplish UV-excited red phosphors in double perovskite oxides. Journal of Luminescence, 2022, 252, 119402.	1.5	7
926	Optimized red luminescence of Mn ⁴⁺ in fluorine phosphors with hetero-central ions by structural modification. Optical Materials, 2022, 134, 113042.	1.7	4
927	Bismuth-Activated Persistent Phosphors. Advanced Optical Materials, 2023, 11, .	3.6	11
928	Nanoantennas Patterned by Colloidal Lithography for Enhanced Nanophosphor Light Emission. ACS Applied Nano Materials, 2022, 5, 16242-16249.	2.4	3
929	Multicolor upconversion reversible modulations in YNbO ₄ :Er ³⁺ /Tm ³⁺ /Yb ³⁺ photochromic materials. Journal of Rare Earths, 2024, 42, 270-277.	2.5	0
930	Zero-thermal-quenching of LiAl ₅ O ₈ : Eu ²⁺ , Mn ²⁺ phosphors by energy transfer and defects engineering. Ceramics International, 2023, 49, 10273-10279.	2.3	7
931	Towards control facilities for mimicking plant growth optimum action spectrum: Efficient near-ultraviolet to far-red light-conversion in Cr ³⁺ -doped rare-earth aluminate phosphors. Chemical Engineering Journal, 2023, 454, 140235.	6.6	20
932	Investigation of multicolor emitting Cs ₃ GdGe ₃ O ₉ :Bi ³⁺ ,Eu ³⁺ phosphors via energy transfer for WLEDs. Dalton Transactions, 2023, 52, 635-643.		3
933	Tunable luminescence and improved thermostability via Tm-Dy energy transfer in a tellurooxyphosphate phosphor. Applied Materials Today, 2023, 30, 101712.	2.3	4
934	A novel extra-broadband visible-NIR phosphor doped with Ce ³⁺ and Cr ³⁺ towards multifunctional advanced applications. Ceramics International, 2023, 49, 10692-10701.	2.3	4
935	Tuning Nuclearity of Biradical-Ln Functional Compounds with Single-Molecule Magnet Behavior and Near-Infrared Luminescence. Crystal Growth and Design, 2023, 23, 612-619.	1.4	3
936	Thermodynamics and Kinetics Accounting for Antithermal Quenching of Luminescence in Sc ₂ (MoO ₄) ₃ : Yb/Er: Perspective beyond Negative Thermal Expansion. Journal of Physical Chemistry Letters, 2022, 13, 12032-12040.	2.1	3
937	Recent development in color tunable phosphors: A review. Progress in Materials Science, 2023, 133, 101067.	16.0	37
938	Design of Eu ²⁺ -activated broadband orange-emitting phosphors with excellent luminescent performance for warm WLEDs. Journal of the American Ceramic Society, 0, , .	1.9	2
939	Tunable and Thermally Stable Luminescence from Polycyclic Aromatic Hydrocarbons Confined in a Zeolitic Imidazolate Framework. Advanced Optical Materials, 0, , 2201856.	3.6	1
940	Synthesis and luminescence enhancement of white-emitting Ca ₉ La(VO ₄) ₇ :Dy ³⁺ phosphors through Gd ³⁺ and Al ³⁺ codoping for white-light-emitting diodes. Ceramics International, 2023, 49, 13000-13010.	2.3	7
941	Current Driving Er-Doped Electroluminescence Devices With Long-Term Reliability. IEEE Electron Device Letters, 2023, 44, 480-483.	2.2	3

#	ARTICLE	IF	CITATIONS
942	Eu ³⁺ -activated red phosphor Ca ₃ YAl ₃ B ₄ O ₁₅ with low thermal quenching behaviour. <i>Luminescence</i> , 2023, 38, 208-215.	1.5	2
943	Deep blue, cyan, orange-red, and white multicolor emissions generated by Bi ³⁺ /Eu ³⁺ activated KBaYSi ₂ O ₇ luminescent materials for white light-emitting diodes. <i>Ceramics International</i> , 2023, 49, 15320-15332.	2.3	6
944	Lanthanide Hexacyanidoruthenate Frameworks for Multicolor to White-Light Emission Realized by the Combination of d-d, d-f, and f-f Electronic Transitions. <i>Inorganic Chemistry</i> , 2023, 62, 1611-1627.	1.9	2
945	White-light emission from yttrium iron garnet (YIG). <i>APL Materials</i> , 2023, 11, 041116.	2.2	0
946	Novel Sm ³⁺ /Eu ³⁺ co-doped Sr ₇ Sb ₂ O ₁₂ red-emitting phosphor for white LED. <i>Inorganic Chemistry Communication</i> , 2023, 150, 110365.	1.8	5
947	Energy absorption and transfer behavior of guest benzoate sensitizers in the interlayer space of Tb ³⁺ -doped layered yttrium hydroxide host. <i>Journal of Luminescence</i> , 2023, 258, 119820.	1.5	0
948	Healthy and High-Quality Single-Source Lighting Based on Double-Doped Tin Halide Engineering. <i>Laser and Photonics Reviews</i> , 2023, 17, .	4.4	7
949	Chemical doping of lead-free metal-halide-perovskite related materials for efficient white-light photoluminescence. <i>Materials Today Physics</i> , 2023, 31, 100992.	2.9	12
950	Dimensional expansion of 1D zigzag chains to a 2D two-fold interpenetrated metal-organic framework for adsorption of lanthanide cations and white light emission. <i>CrystEngComm</i> , 2023, 25, 1637-1642.	1.3	0
951	A new Eu ³⁺ -activated Bi ₄ Sr ₃ Te ₅ O ₁₉ phosphor: synthesis, photoluminescent properties, and application for WLEDs. <i>Journal of Materials Science: Materials in Electronics</i> , 2023, 34, .	1.1	0
952	Multicolor Fluorescent Lead-MOFs for White-Light-Emitting and Anticounterfeiting Applications. <i>Advanced Optical Materials</i> , 2023, 11, .	3.6	6
953	Introduction of Multicomponent Dyes into 2D MOFs: A Strategy to Fabricate White Light-Emitting MOF Composite Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 11131-11140.	4.0	11
954	Facile synthesis, novel structure, and tunable luminescence properties of K ₆ Bi ₁₃ (PO ₄) ₁₅ :Dy ³⁺ ,Eu ³⁺ phosphors for ultraviolet converted white light-emitting diodes. <i>Ceramics International</i> , 2023, 49, 19373-19383.	2.3	5
955	Microwave-assisted fast synthesis and red-emitting properties of a borotellurate-based phosphor with excellent thermostability. <i>Journal of Rare Earths</i> , 2023, , .	2.5	0
956	Strategic Tuning of Photophysical Response in the Polyhedral Framework of the Garnet Structure toward White Light-Emitting Devices with Enhanced Color Rendering. <i>Inorganic Chemistry</i> , 2023, 62, 5744-5756.	1.9	4
957	Highly thermally stable and tunable luminescence in microwave-assisted synthesized Na ₃ Ca ₄ (TeO ₃)(PO ₄) ₃ :Dy ³⁺ ,Eu ³⁺ for ultra-high color rendering white light-emitting diodes. <i>Ceramics International</i> , 2023, 49, 22323-22331.	2.3	2
958	The photoluminescence properties of a blue phosphor-Eu ²⁺ doped silicate lutetium strontium with triple sites. <i>Materials Today Communications</i> , 2023, 35, 105964.	0.9	2
959	Tunable near-infrared emission and three-photon absorption in lanthanide-doped double perovskite nanocrystals. <i>Nanoscale</i> , 2023, 15, 9372-9389.	2.8	7

#	ARTICLE	IF	CITATIONS
966	Interfacial Interaction in Colloidal Heteronanostructures of Tb ³⁺ -Complex and Eu ³⁺ -Doped Nanosheets: Implications for Bioprobes. ACS Applied Nano Materials, 2023, 6, 10023-10032.	2.4	0
982	Light-Emitting Diodes Based on Upconversion Nanoparticles. Progress in Optical Science and Photonics, 2023, , 275-303.	0.3	0
1010	Metal oxide-based phosphors for chemical sensors. , 2024, , 191-228.		0