Rong-Jun Xie

List of Publications by Year
in descending order

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296	21,056	8181	13379
papers	citations	76 h-index	130 g-index

297	297	297	8043
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structure elucidation of luminescent centers in green emitting Eu2+ doped Si6-zAlzOzN8-z phosphors. Scripta Materialia, 2022, 207, 114238.	5.2	3
2	Coreâ€“shell zeolite imidazole framework-derived ZnSe@CoSe2/C heterostructure enabling robust polysulfide adsorption and rapid Li+ diffusion in high-rate and high-loading lithiumâ€“sulfur batteries. Chemical Engineering Journal, 2022, 430, 133099.	12.7	31
3	Regulating Li+ migration and Li2S deposition by metal-organic framework-derived Co4S3-embedded carbon nanoarrays for durable lithium-sulfur batteries. Science China Materials, 2022, 65, 947-957.	6.3	14
4	Extremely low efficiency roll-off in vacuum- and solution-processed deep-red/near-infrared OLEDs based on 1,8-naphthalimide TADF emitters. Journal of Luminescence, 2022, 243, 118683.	3.1	6
5	Fine Emission Tuning from Near-Ultraviolet to Saturated Blue with Rationally Designed Carbene-Based [3 + 2 + 1] Iridium(III) Complexes. ACS Applied Materials & Interfaces, 2022, 14, 1546-1556.	8.0	20
6	Sandwich structured phosphor-in-glass films enabling laser lighting with superior optical properties. Ceramics International, 2022, 48, 13626-13633.	4.8	10
7	Ultrastable and highly efficient green-emitting perovskite quantum dot composites for Mini-LED displays or backlights. Nano Energy, 2022, 95, 107003.	16.0	49
8	Passivation Layer of Potassium Iodide Yielding High Efficiency and Stable Deep Red Perovskite Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2022, 14, 16404-16412.	8.0	17
9	M_xLa_{1â€“x}SiO_{2â€“y}N_z (M = Ca/Sr/Ba): Elucidating and Tuning the Structure and Eu²⁺ Local Environments to Develop Full-Visible Spectrum Phosphors. Chemistry of Materials, 2022, 34, 4039-4049.	6.7	14
10	Enabling robust and hour-level organic long persistent luminescence from carbon dots by covalent fixation. Light: Science and Applications, 2022, 11, 80.	16.6	71
11	Thermally Robust Orangeâ€Redâ€Emitting Color Converters for Laserâ€Driven Warm White Light with High Overall Optical Properties. Laser and Photonics Reviews, 2022, 16, .	8.7	32
12	Microstructure tailoring of red-emitting AlN-CaAlSiN3:Eu2+ composite phosphor ceramics with higher optical properties for laser lighting. Journal of the European Ceramic Society, 2022, 42, 3339-3344.	5.7	14
13	Microscale Perovskite Quantum Dot Lightâ€Emitting Diodes (Microâ€PeLEDs) for Fullâ€Color Displays. Advanced Optical Materials, 2022, 10, .	7.3	17
14	Water-induced reversible phase transformation between cesium lead halide perovskite nanocrystals enables fluorescent anti-counterfeiting. Journal of Materials Chemistry C, 2022, 10, 7552-7557.	5.5	13
15	Bidentate aliphatic quaternary ammonium ligand-stabilized CsPbBr₃perovskite nanocrystals with high PLQY (92.3%) and superior stability. Journal of Materials Chemistry C, 2022, 10, 8356-8363.	5.5	20
16	Efficient near-infrared phosphors discovered by parametrizing the Eu(II) 5d-to-4f energy gap. Matter, 2022, 5, 1924-1936.	10.0	31
17	Bi-color phosphor-in-glass films achieve superior color quality laser-driven stage spotlights. Chemical Engineering Journal, 2022, 444, 136591.	12.7	32
18	Modeling Polyhedron Distortion for Mechanoluminescence in Mixed-Anion Compounds RE₂O₂S:Ln³⁺. Chemistry of Materials, 2022, 34, 5311-5319.	6.7	21

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19	Synthesizing Bright CsPbBr₃ Perovskite Nanocrystals with High Purification Yields and Their Composites with In Situ-Polymerized Styrene for Light-Emitting Diode Applications. ACS Sustainable Chemistry and Engineering, 2022, 10, 7385-7393.	6.7	18
20	Low-Dimensional Organic Lead Halides with Organicâ€“Inorganic Collaborative Luminescence Regulated by Anion in Dimension. Chemistry of Materials, 2022, 34, 5224-5231.	6.7	4
21	Waterproof surface passivation of K₂GeF₆:Mn⁴⁺ by a dense Al₂O₃ layer via atomic layer deposition. Journal of Materials Chemistry C, 2022, 10, 9867-9874.	5.5	8
22	Laserâ€Driven Highâ€Brightness Green Light for Underwater Wireless Optical Communication. Advanced Optical Materials, 2022, 10, .	7.3	7
23	Time-Gated Imaging of Latent Fingerprints with Level 3 Details Achieved by Persistent Luminescent Fluoride Nanoparticles. ACS Applied Materials & Interfaces, 2022, 14, 28230-28238.	8.0	20
24	Uniformity and Stability of Quantum Dot Pixels Evaluated by Microscale Fluorescence Spectroscopy. Laser and Photonics Reviews, 2022, 16, .	8.7	11
25	Visualizing Dynamic Mechanical Actions with High Sensitivity and High Resolution by Nearâ€Distance Mechanoluminescence Imaging. Advanced Materials, 2022, 34, .	21.0	41
26	Ternary solid solution phosphors Ca1−Li Al1−Si1++N3-O :Ce3+ with enhanced thermal stability for high-power laser lighting. Chemical Engineering Journal, 2021, 404, 126575.	12.7	45
27	Facial synthesis of highly stable and bright CsPbX3 (X=Cl, Br, I) perovskite nanocrystals via an anion exchange at the water-oil interface. Science China Materials, 2021, 64, 158-168.	6.3	10
28	Nearâ€Unity Cyanâ€Green Emitting Leadâ€Free Allâ€Inorganic Cesium Copper Chloride Phosphors for Fullâ€Spectrum White Lightâ€Emitting Diodes. Advanced Photonics Research, 2021, 2, 2000158.	3.6	17
29	Sensing studies and applications based on metal halide perovskite materials: Current advances and future perspectives. TrAC - Trends in Analytical Chemistry, 2021, 134, 116127.	11.4	48
30	In Situ Inkjet Printing Patterned Lead Halide Perovskite Quantum Dot Color Conversion Films by Using Cheap and Ecoâ€Friendly Aqueous Inks. Small Methods, 2021, 5, e2000889.	8.6	47
31	Broadband white luminescent phosphor Ba(Si7â^'xAlx)Liy(N10â^'x+yOxâ^'y):Eu2+ with a high color rendering index for solid state lighting. Journal of Materials Chemistry C, 2021, 9, 5497-5504.	5.5	6
32	Mechanoluminescence Rebrightening the Prospects of Stress Sensing: A Review. Advanced Materials, 2021, 33, e2005925.	21.0	181
33	Tunable White Light Emission in a Zeroâ€Dimensional Organicâ€“Inorganic Metal Halide Hybrid with Ultraâ€High Color Rendering Index. Advanced Optical Materials, 2021, 9, 2002246.	7.3	41
34	Screening and discovery of phosphors by the single-particle-diagnosis approach. Journal of Applied Physics, 2021, 129, 123106.	2.5	5
35	Phosphorus-Doped Metalâ€“Organic Framework-Derived CoS₂ Nanoboxes with Improved Adsorption-Catalysis Effect for Liâ€“S Batteries. ACS Applied Materials & Interfaces, 2021, 13, 15226-15236.	8.0	51
36	Achieving Remote Stress and Temperature Dualâ€Modal Imaging by Doubleâ€Lanthanideâ€Activated Mechanoluminescent Materials. Advanced Functional Materials, 2021, 31, 2101567.	14.9	61

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37	Unraveling the Luminescence Quenching of Phosphors under High-Power-Density Excitation. Acta Materialia, 2021, 209, 116813.	7.9	31
38	NaMgF₃:Tb³⁺@NaMgF₃ Nanoparticles Containing Deep Traps for Optical Information Storage. Advanced Optical Materials, 2021, 9, 2100624.	7.3	48
39	X-ray-charged bright persistent luminescence in NaYF4:Ln3+@NaYF4 nanoparticles for multidimensional optical information storage. Light: Science and Applications, 2021, 10, 132.	16.6	154
40	Composition and structure design of three-layered composite phosphors for high color rendering chip-on-board light-emitting diode devices. Journal of Advanced Ceramics, 2021, 10, 729-740.	17.4	64
41	Highly stable CsPbI3:Sr2+ nanocrystals with near-unity quantum yield enabling perovskite light-emitting diodes with an external quantum efficiency of 17.1%. Nano Energy, 2021, 85, 106033.	16.0	78
42	Enhanced Performance of Perovskite Solar Cells Loaded with Iodine-Rich CsPbI₃ Quantum Dots. ACS Applied Energy Materials, 2021, 4, 7535-7543.	5.1	8
43	Broadband near-infrared phosphor BaMgAl10O17:Cr3+ realized by crystallographic site engineering. Chemical Engineering Journal, 2021, 417, 129224.	12.7	121
44	Large-scale room-temperature synthesis of high-efficiency lead-free perovskite derivative (NH4)2SnCl6:Te phosphor for warm wLEDs. Chemical Engineering Journal, 2021, 420, 129740.	12.7	42
45	Highly thermal conductive red-emitting AlN-CaAlSiN3:Eu2+ composite phosphor ceramics for high-power laser-driven lighting. Journal of the European Ceramic Society, 2021, 41, 5650-5657.	5.7	30
46	In situ TEM study of edge reconstruction and evolution in monolayer black phosphorus. Nanoscale, 2021, 13, 4133-4139.	5.6	9
47	Energy Transfer and Tuning of Photoluminescence in the BaMgAl10O17: Cr3+ Eu2+ Phosphor. , 2021, , .		0
48	Lanthanide-doped metal-organic frameworks with multicolor mechanoluminescence. Science China Materials, 2021, 64, 931-941.	6.3	13
49	Encapsulation-Enabled Perovskiteâ€“PMMA Films Combining a Micro-LED for High-Speed White-Light Communication. ACS Applied Materials & Interfaces, 2021, 13, 54143-54151.	8.0	43
50	A universal HFâ€free synthetic method to highly efficient narrowâ€band redâ€emitting A₂XF₆:Mn⁴⁺ (A=K, Na, Rb, Cs; X=Si, Ge,) Tj ETQq0 0 0 rgBT /Ov		
51	Critical Reviewâ€”Data-Driven Discovery of Novel Phosphors. ECS Journal of Solid State Science and Technology, 2020, 9, 016013.	1.8	18
52	Realizing high-brightness and ultra-wide-color-gamut laser-driven backlighting by using laminated phosphor-in-glass (PiG) films. Journal of Materials Chemistry C, 2020, 8, 1746-1754.	5.5	49
53	Broadband near-infrared (NIR) emission realized by the crystal-field engineering of Y_{3â^'x}Ca_xAl_{5â^'x}Si_xO₁₂:Cr³⁺(x=) Tj ETQq1 1 0.78	5.5	0
54	A new persistent blue-emitting phosphor: Tailoring the trap density for enhancing the persistent time. Applied Materials Today, 2020, 18, 100518.	4.3	19

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55	Creating visible-to-near-infrared mechanoluminescence in mixed-anion compounds SrZn2S2O and SrZnSO. Nano Energy, 2020, 68, 104329.	16.0	72
56	Dual-site occupancy induced broadband cyan emission in Ba₂CaB₂Si₄O₁₄:Ce³⁺. Journal of Materials Chemistry C, 2020, 8, 15626-15633.	5.5	48
57	A selective and sensitive fluorescent probe for bilirubin in human serum based on europium(III) post-functionalized Zr(IV)-Based MOFs. Talanta, 2020, 212, 120795.	5.5	55
58	Realizing Tunable White Light Emission in Lead-Free Indium(III) Bromine Hybrid Single Crystals through Antimony(III) Cation Doping. Journal of Physical Chemistry Letters, 2020, 11, 10164-10172.	4.6	70
59	YAGG:Ce Phosphor-in-YAG Ceramic: An Efficient Green Color Converter Suitable for High-Power Blue Laser Lighting. ACS Applied Electronic Materials, 2020, 2, 2644-2650.	4.3	34
60	Highly Efficient Lead-Free (Bi,Ce)-Codoped Cs₂Ag_{0.4}Na_{0.6}InCl₆ Double Perovskites for White Light-Emitting Diodes. Chemistry of Materials, 2020, 32, 7814-7821.	6.7	108
61	Force-induced charge carrier storage: a new route for stress recording. Light: Science and Applications, 2020, 9, 182.	16.6	83
62	Light-emitting diodes: brighter NIR-emitting phosphor making light sources smarter. Light: Science and Applications, 2020, 9, 155.	16.6	67
63	Realizing red/orange emission of Eu2+/Ce3+ in La26â^'xSrxSi41Ox+1N80â^'x (x = 12.72â€“12.90) phosphors for high color rendition white LEDs. Journal of Materials Chemistry C, 2020, 8, 13458-13466.	5.5	14
64	Inkjet-Printed Quantum Dot Color Conversion Films for High-Resolution and Full-Color Micro Light-Emitting Diode Displays. Journal of Physical Chemistry Letters, 2020, 11, 5184-5191.	4.6	92
65	Ratiometric fluorescence detection of 2,6-pyridine dicarboxylic acid with a dual-emitting lanthanide metal-organic framework (MOF). Optical Materials, 2020, 106, 110006.	3.6	37
66	Blue-emitting and self-assembled thinner perovskite CsPbBr3 nanoplates: synthesis and formation mechanism. Nanoscale, 2020, 12, 9231-9239.	5.6	30
67	Recent processes on light-emitting lead-free metal halide perovskites. Chemical Engineering Journal, 2020, 393, 124757.	12.7	65
68	Novel Mn⁴⁺ doped red phosphors composed of MgAl₂O₄ and CaAl₁₂O₁₉ phases for light-emitting diodes. Dalton Transactions, 2020, 49, 3606-3614.	3.3	19
69	Remembering Joanna McKittrick. Journal of the American Ceramic Society, 2020, 103, 2277-2277.	3.8	0
70	Recent progress on discovery of novel phosphors for solid state lighting. Journal of Rare Earths, 2020, 38, 464-473.	4.8	49
71	Electronic Structure and Optical Properties of Vacancy-Ordered Double Perovskites Cs₂Pd Br_xCl_{6â€“x} by First-Principles Calculation. Journal of Physical Chemistry C, 2020, 124, 13310-13315.	3.1	29
72	Enhanced quantum efficiency and thermal stability in tunable yellow-emitting Sr Ca1-AlSiN3:Ce3+ phosphor. Journal of Alloys and Compounds, 2020, 831, 154791.	5.5	12

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73	Interstitial Site Engineering for Creating Unusual Red Emission in La₃Si₆N₁₁:Ce³⁺. Chemistry of Materials, 2020, 32, 3631-3640.	6.7	35
74	Discovery of a Ce³⁺-activated red nitride phosphor for high-brightness solid-state lighting. Journal of Materials Chemistry C, 2020, 8, 14402-14408.	5.5	26
75	Development of sialon phosphors and their applications to solid-state lighting. Journal of the Ceramic Society of Japan, 2020, 128, 710-717.	1.1	4
76	Design and Discovery of Nitride Phosphors with Unique Properties. ECS Meeting Abstracts, 2020, MA2020-02, 2720-2720.	0.0	0
77	Highly Stable and Efficient Lead Halide Perovskite Nanocrystals for Light-Emitting Diodes Displays. ECS Meeting Abstracts, 2020, MA2020-02, 2721-2721.	0.0	0
78	Significantly improved photoluminescence of the greenâ€emitting Î²â€sialon:Eu²⁺ phosphor via surface coating of TiO₂. Journal of the American Ceramic Society, 2019, 102, 294-302.	3.8	5
79	Data-Driven Discovery of Full-Visible-Spectrum Phosphor. Chemistry of Materials, 2019, 31, 6286-6294.	6.7	92
80	A Facile Synthesis of Waterâ€Resistant CsPbBr₃ Perovskite Quantum Dots Loaded Poly(methyl methacrylate) Composite Microspheres Based on In Situ Polymerization. Advanced Optical Materials, 2019, 7, 1901075.	7.3	40
81	Preparation and optical properties of MgAl2O4-Ce:GdYAG composite ceramic phosphors for white LEDs. Journal of the European Ceramic Society, 2019, 39, 4965-4971.	5.7	36
82	New Deep-Blue-Emitting Ce-Doped A_{4â€“m}B_nC_{19+2m}X_{29+m} (A =) Tj ETQq0 0 0 rgBT /Ov Warm White Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 29047-29055.	8.0	21
83	A promising thermally robust blue-green Li-Î±-sialon:Ce3+ for ultraviolet LED-driven white LEDs. Journal of Alloys and Compounds, 2019, 805, 1004-1012.	5.5	10
84	Two-Site Occupation for Exploring Ultra-Broadband Near-Infrared Phosphorâ€”Double-Perovskite La₂MgZrO₆:Cr³⁺. Chemistry of Materials, 2019, 31, 5245-5253.	6.7	357
85	Unique Design Strategy for Laserâ€Driven Color Converters Enabling Superhighâ€Luminance and Highâ€Directionality White Light. Laser and Photonics Reviews, 2019, 13, 1900147.	8.7	93
86	Dual-Band Luminescent Lead-Free Antimony Chloride Halides with Near-Unity Photoluminescence Quantum Efficiency. Chemistry of Materials, 2019, 31, 9363-9371.	6.7	206
87	A search for extra-high brightness laser-driven color converters by investigating thermally-induced luminance saturation. Journal of Materials Chemistry C, 2019, 7, 11449-11456.	5.5	90
88	Improving the luminous efficacy and resistance to blue laser irradiation of phosphor-in-glass based solid state laser lighting through employing dual-functional sapphire plate. Journal of Materials Chemistry C, 2019, 7, 354-361.	5.5	70
89	Blue, green, and red full-color ultralong afterglow in nitrogen-doped carbon dots. Nanoscale, 2019, 11, 6584-6590.	5.6	176
90	Structure, luminescence and energy transfer in Ce³⁺ and Mn²⁺ codoped Î³-AlON phosphors. Journal of Materials Chemistry C, 2019, 7, 733-742.	5.5	66

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91	Ultrasonic synthesis of Mn-doped CsPbCl3 quantum dots (QDs) with enhanced photoluminescence. Optical Materials, 2019, 94, 41-46.	3.6	15
92	Transparent Ceramics Enabling High Luminous Flux and Efficacy for the Next-Generation High-Power LED Light. ACS Applied Materials & Interfaces, 2019, 11, 21697-21701.	8.0	45
93	A new CaF₂-YAG:Ce composite phosphor ceramic for high-power and high-color-rendering WLEDs. Journal of Materials Chemistry C, 2019, 7, 8569-8574.	5.5	55
94	Enhanced thermal degradation stability of the Sr₂Si₅N₈:Eu²⁺ phosphor by ultra-thin Al₂O₃ coating through the atomic layer deposition technique in a fluidized bed reactor. Journal of Materials Chemistry C, 2019, 7, 5772-5781.	5.5	26
95	Thermally self-managing YAG:Ceâ€“Al₂O₃color converters enabling high-brightness laser-driven solid state lighting in a transmissive configuration. Journal of Materials Chemistry C, 2019, 7, 3901-3908.	5.5	95
96	A Layered Lithiumâ€Rich Li(Li_{0.2}Ni_{0.15}Mn_{0.55}Co_{0.1})O₂ Cathode Material: Surface Phase Modification and Enhanced Electrochemical Properties for Lithiumâ€Ion Batteries. ChemElectroChem, 2019, 6, 1542-1551.	3.4	10
97	Warm White Light with a High Color-Rendering Index from a Single Gd₃Al₄GaO₁₂:Ce³⁺ Transparent Ceramic for High-Power LEDs and LDs. ACS Applied Materials & Interfaces, 2019, 11, 2130-2139.	8.0	124
98	Chromium-Doped Zinc Gallogermanate@Zeolitic Imidazolate Framework-8: A Multifunctional Nanoplatform for Rechargeable In Vivo Persistent Luminescence Imaging and pH-Responsive Drug Release. ACS Applied Materials & Interfaces, 2019, 11, 1907-1916.	8.0	95
99	Trimethylsilyl Iodine-Mediated Synthesis of Highly Bright Red-Emitting CsPbI₃ Perovskite Quantum Dots with Significantly Improved Stability. Chemistry of Materials, 2019, 31, 881-889.	6.7	88
100	A Thermally Robust La₃Si₆N₁₁:Ceâ€inâ€Glass Film for Highâ€Brightness Blueâ€Laserâ€Driven Solid State Lighting. Laser and Photonics Reviews, 2019, 13, 1800216.	8.7	86
101	On the luminance saturation of phosphor-in-glass (PiG) films for blue-laser-driven white lighting: Effects of the phosphor content and the film thickness. Journal of the European Ceramic Society, 2019, 39, 1909-1917.	5.7	62
102	Uniform and fine Mg-Î³-AlON powders prepared from MgAl2O4: A promising precursor material for highly-transparent Mg-Î³-AlON ceramics. Journal of the European Ceramic Society, 2019, 39, 928-933.	5.7	10
103	A high-performance non-rare-earth deep-red-emitting Ca14-xSrxZn6Al10O35:Mn4+ phosphor for high-power plant growth LEDs. Journal of Alloys and Compounds, 2019, 781, 702-709.	5.5	51
104	Achieving deep-red-to-near-infrared emissions in Sn-doped Cuâ€“Inâ€“S/ZnS quantum dots for red-enhanced white LEDs and near-infrared LEDs. Nanoscale, 2018, 10, 9788-9795.	5.6	23
105	Unique Color Converter Architecture Enabling Phosphor-in-Glass (PiG) Films Suitable for High-Power and High-Luminance Laser-Driven White Lighting. ACS Applied Materials & Interfaces, 2018, 10, 14930-14940.	8.0	177
106	Down-Conversion Nitride Materials for Solid State Lighting: Recent Advances and Perspectives. Chemical Reviews, 2018, 118, 1951-2009.	47.7	598
107	A green synthetic route to the highly efficient K₂SiF₆:Mn⁴⁺narrow-band red phosphor for warm white light-emitting diodes. Journal of Materials Chemistry C, 2018, 6, 2741-2746.	5.5	105
108	Trap Depth Engineering of SrSi₂O₂N₂:Ln²⁺,Ln³⁺ (Ln²⁺ =) Tj ETQq0 0 0 rgBT /Overl Applications. ACS Applied Materials & Interfaces, 2018, 10, 1854-1864.	8.0	159

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109	Optical Data Storage and Multicolor Emission Readout on Flexible Films Using Deepâ€Trap Persistent Luminescence Materials. Advanced Functional Materials, 2018, 28, 1705769.	14.9	271
110	Composition-dependent thermal degradation of red-emitting (Ca_{1â^'x}Sr_x)AlSiN₃:Eu²⁺ phosphors for high color rendering white LEDs. Journal of Materials Chemistry C, 2018, 6, 890-898.	5.5	41
111	Achieving Multicolor Long-Lived Luminescence in Dye-Encapsulated Metalâ€“Organic Frameworks and Its Application to Anticounterfeiting Stamps. ACS Applied Materials & Interfaces, 2018, 10, 1802-1809.	8.0	151
112	Photoluminescence efficiency significantly enhanced by surface modification of SiO2 coating on Î²-sialon:Eu2+ phosphor particle. Journal of Alloys and Compounds, 2018, 741, 454-458.	5.5	7
113	Critical Reviewâ€"Narrow-Band Nitride Phosphors for Wide Color-Gamut White LED Backlighting. ECS Journal of Solid State Science and Technology, 2018, 7, R3064-R3078.	1.8	64
114	Single-particle-diagnosis approach: An efficient strategy for discovering new nitride phosphors. Journal of Rare Earths, 2018, 36, 42-48.	4.8	15
115	Achieving High Quantum Efficiency Narrow-Band Î²-Sialon:Eu²⁺ Phosphors for High-Brightness LCD Backlights by Reducing the Eu³⁺ Luminescence Killer. Chemistry of Materials, 2018, 30, 494-505.	6.7	250
116	Nitride and oxynitride phosphors for white LEDs: Synthesis, new phosphor discovery, crystal structure. Progress in Solid State Chemistry, 2018, 51, 41-51.	7.2	95
117	Improved stability of CsPbBr₃ perovskite quantum dots achieved by suppressing interligand proton transfer and applying a polystyrene coating. Nanoscale, 2018, 10, 21441-21450.	5.6	75
118	Significantly enhanced photoluminescence and thermal stability of La₃Si₈N₁₁O₄:Ce³⁺,Tb³⁺via the Ce³⁺ â†' Tb³⁺ energy transfer: a blue-green phosphor for ultraviolet LEDs. RSC Advances, 2018, 8, 35271-35279.	3.6	13
119	Color Conversion Materials for Highâ€Brightness Laserâ€Driven Solidâ€State Lighting. Laser and Photonics Reviews, 2018, 12, 1800173.	8.7	239
120	Color-Tunable and High-Efficiency Dye-Encapsulated Metalâ€“Organic Framework Composites Used for Smart White-Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2018, 10, 18910-18917.	8.0	88
121	Synthesis of Eu2+/Eu3+ Co-Doped Gallium oxide nanocrystals as a full colour converter for white light emitting diodes. Journal of Colloid and Interface Science, 2018, 530, 52-57.	9.4	23
122	Tailoring Trap Depth and Emission Wavelength in Y₃Al_{5â€“x}Ga_xO₁₂:Ce³⁺,V³⁺ Phosphor-in-G Films for Optical Information Storage. ACS Applied Materials & Interfaces, 2018, 10, 27150-27159.	8.0	89
123	High-power laser-driven phosphor-in-glass for excellently high conversion efficiency white light generation for special illumination or display backlighting. Journal of Materials Chemistry C, 2018, 6, 8212-8218.	5.5	81
124	Novel luminescent properties and thermal stability of non-rare-earth Ca-Î±-sialon:Mn2+ phosphor. Journal of Luminescence, 2018, 202, 514-522.	3.1	14
125	A novel Eu²⁺ activated G-La₂Si₂O₇ phosphor for white LEDs: SiC-reduction synthesis, tunable luminescence and good thermal stability. Journal of Materials Chemistry C, 2017, 5, 1614-1623.	5.5	26
126	A robust red-emitting phosphor-in-glass (PiG) for use in white lighting sources pumped by blue laser diodes. Journal of Alloys and Compounds, 2017, 702, 193-198.	5.5	97

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127	Effects of LiF on the microstructure and optical properties of hot-pressed MgAl2O4 ceramics. Ceramics International, 2017, 43, 6891-6897.	4.8	28
128	Phase formation of (Y,Ce)2BaAl4SiO12 yellow microcrystal-glass phosphor for blue LED pumped white lighting. Ceramics International, 2017, 43, 6425-6429.	4.8	12
129	Y₂Si₄N₆C:Ce³⁺ carbidonitride green-yellow phosphors: novel synthesis, photoluminescence properties, and applications. Journal of Materials Chemistry C, 2017, 5, 6061-6070.	5.5	13
130	A promising orange-yellow-emitting phosphor for high power warm-light white LEDs: Pure-phase synthesis and photoluminescence properties. Journal of Alloys and Compounds, 2017, 715, 184-191.	5.5	29
131	Colour tuning via crystalline site-selected energy transfer in a Sr₂SiO₄:Eu²⁺,Pr³⁺ phosphor. Journal of Materials Chemistry C, 2017, 5, 1022-1026.	5.5	26
132	Fabrication of sub-micrometer MgO transparent ceramics by spark plasma sintering. Journal of the European Ceramic Society, 2017, 37, 4947-4953.	5.7	38
133	Ce-Doped La₃Si_{6.5}Al_{1.5}N_{9.5}O_{5.5}, a Rare Highly Efficient Blue-Emitting Phosphor at Short Wavelength toward High Color Rendering White LED Application. ACS Applied Materials & Interfaces, 2017, 9, 22665-22675.	8.0	53
134	Realizing superior white LEDs with both high R9 and luminous efficacy by using dual red phosphors. RSC Advances, 2017, 7, 25964-25968.	3.6	40
135	Achieving superwide-color-gamut display by using narrow-band green-emitting Î³-AlON:Mn,Mg phosphor. Japanese Journal of Applied Physics, 2017, 56, 041701.	1.5	34
136	All-Inorganic Light Convertor Based on Phosphor-in-Glass Engineering for Next-Generation Modular High-Brightness White LEDs/LDs. ACS Photonics, 2017, 4, 986-995.	6.6	223
137	New insights into the microstructure of translucent CaAlSiN₃:Eu²⁺ phosphor ceramics for solid-state laser lighting. Journal of Materials Chemistry C, 2017, 5, 1042-1051.	5.5	83
138	An excellent cyan-emitting orthosilicate phosphor for NUV-pumped white LED application. Journal of Materials Chemistry C, 2017, 5, 12365-12377.	5.5	203
139	Enhanced cathodoluminescence of green Î²-sialon:Eu2+ phosphor by In2O3 coating. Journal of Alloys and Compounds, 2017, 727, 1110-1114.	5.5	8
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