

Qin-yuan Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/738917/publications.pdf>

Version: 2024-02-01

136
papers

9,707
citations

28242

55
h-index

39638

94
g-index

138
all docs

138
docs citations

138
times ranked

6353
citing authors

#	ARTICLE	IF	CITATIONS
1	Next-Generation Narrow-Band Green-Emitting RbLi(Li ₃ SiO ₄) ₂ :Eu ²⁺ Phosphor for Backlight Display Application. <i>Advanced Materials</i> , 2018, 30, e1802489.	11.1	407
2	Synthesis and luminescence mechanism of multicolor-emitting g-C ₃ N ₄ nanopowders by low temperature thermal condensation of melamine. <i>Scientific Reports</i> , 2013, 3, 1943.	1.6	403
3	Divalent europium-doped near-infrared-emitting phosphor for light-emitting diodes. <i>Nature Communications</i> , 2019, 10, 5267.	5.8	388
4	Emerging ultra-narrow-band cyan-emitting phosphor for white LEDs with enhanced color rendition. <i>Light: Science and Applications</i> , 2019, 8, 38.	7.7	369
5	Multi-functional bismuth-doped bioglasses: combining bioactivity and photothermal response for bone tumor treatment and tissue repair. <i>Light: Science and Applications</i> , 2018, 7, 1.	7.7	301
6	Highly Efficient and Thermally Stable K ₃ AlF ₆ :Mn ⁴⁺ as a Red Phosphor for Ultra-High-Performance Warm White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8805-8812.	4.0	245
7	Facile Two-Step Synthesis of All-Inorganic Perovskite CsPbX ₃ (X = Cl, Br, and I) Zeolite-γ Composite Phosphors for Potential Backlight Display Application. <i>Advanced Functional Materials</i> , 2017, 27, 1704371.	7.8	223
8	NIR II-responsive photon upconversion through energy migration in an ytterbium sublattice. <i>Nature Photonics</i> , 2020, 14, 760-766.	15.6	217
9	Broad-band emission in metal halide perovskites: Mechanism, materials, and applications. <i>Materials Science and Engineering Reports</i> , 2020, 141, 100548.	14.8	208
10	Highly Efficient and Stable Narrow-Band Red Phosphor Cs ₂ SiF ₆ :Mn ⁴⁺ for High-Power Warm White LED Applications. <i>ACS Photonics</i> , 2017, 4, 2556-2565.	3.2	177
11	Heavy Mn ²⁺ Doped MgAl ₂ O ₄ Phosphor for High-Efficient Near-Infrared Light-Emitting Diode and the Night-Vision Application. <i>Advanced Optical Materials</i> , 2019, 7, 1901105.	3.6	167
12	Red Photoluminescence from Bi ³⁺ and the Influence of the Oxygen-Vacancy Perturbation in ScVO ₄ : A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014, 118, 7515-7522.	1.5	164
13	Nitrogen-doped bamboo-like carbon nanotubes as anode material for high performance potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15162-15169.	5.2	161
14	Waterproof Narrow-Band Fluoride Red Phosphor K ₂ TiF ₆ :Mn ⁴⁺ via Facile Superhydrophobic Surface Modification. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 880-889.	4.0	158
15	Orderly Layered Tetravalent Manganese-Doped Strontium Aluminate (Sr ₄ Al ₁₄ O ₂₅): An Efficient Red Phosphor for Warm White Light Emitting Diodes. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2870-2876.	1.9	154
16	Li substituent tuning of LED phosphors with enhanced efficiency, tunable photoluminescence, and improved thermal stability. <i>Science Advances</i> , 2019, 5, eaav0363.	4.7	153
17	Abnormal Anti-Quenching and Controllable Multi-Transitions of Bi ³⁺ Luminescence by Temperature in a Yellow-Emitting LuVO ₄ :Bi ³⁺ Phosphor for UV-Converted White LEDs. <i>Chemistry - A European Journal</i> , 2014, 20, 11522-11530.	1.7	151
18	Recent progress in the design of metal sulfides as anode materials for sodium ion batteries. <i>Energy Storage Materials</i> , 2019, 22, 66-95.	9.5	149

#	ARTICLE	IF	CITATIONS
19	Polyhedron Transformation toward Stable Narrow-Band Green Phosphors for Wide-Color-Gamut Liquid Crystal Display. <i>Advanced Functional Materials</i> , 2019, 29, 1901988.	7.8	140
20	Cr ³⁺ -Doped Sc-Based Fluoride Enabling Highly Efficient Near Infrared Luminescence: A Case Study of K ₂ NaScF ₆ :Cr ³⁺ . <i>Laser and Photonics Reviews</i> , 2021, 15, 2000410.	4.4	140
21	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. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2910-2918.	2.7	138
22	Site-Selective Occupancy of Eu ²⁺ Toward Blue-Excited Red Emission in a Rb ₃ YSi ₂ O ₇ :Eu Phosphor. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11521-11526.	7.2	136
23	Structural Engineering of Eu ²⁺ -Doped Silicates Phosphors for LED Applications. <i>Accounts of Materials Research</i> , 2020, 1, 137-145.	5.9	130
24	Room-temperature synthesis and warm-white LED applications of Mn ⁴⁺ ion doped fluoroaluminate red phosphor Na ₃ AlF ₆ :Mn ⁴⁺ . <i>Journal of Materials Chemistry C</i> , 2016, 4, 2480-2487.	2.7	129
25	Constructing Interfacial Energy Transfer for Photon Up- and Down-Conversion from Lanthanides in a Core-Shell Nanostructure. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12356-12360.	7.2	118
26	Narrow-band emitters in LED backlights for liquid-crystal displays. <i>Materials Today</i> , 2020, 40, 246-265.	8.3	118
27	Controlling upconversion in emerging multilayer core-shell nanostructures: from fundamentals to frontier applications. <i>Chemical Society Reviews</i> , 2022, 51, 1729-1765.	18.7	117
28	Recoverable and Unrecoverable Bi ³⁺ -Related Photoemissions Induced by Thermal Expansion and Contraction in LuVO ₄ :Bi ³⁺ and ScVO ₄ :Bi ³⁺ Compounds. <i>Chemistry of Materials</i> , 2016, 28, 7807-7815.	3.2	114
29	A thermally stable narrow-band green-emitting phosphor MgAl ₂ O ₄ :Mn ²⁺ for wide color gamut backlight display application. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8192-8198.	2.7	110
30	Discovery of New Narrow-Band Phosphors with the UC ₄ C ₄ -Related Type Structure by Alkali Cation Effect. <i>Advanced Optical Materials</i> , 2019, 7, 1801631.	3.6	109
31	Seed-Crystal-Induced Cold Sintering Toward Metal Halide Transparent Ceramic Scintillators. <i>Advanced Materials</i> , 2022, 34, e2110420.	11.1	108
32	Confining Mn ²⁺ -Doped Lead Halide Perovskite in Zeolite-Y as Ultrastable Orange-Red Phosphor Composites for White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24656-24664.	4.0	107
33	A General Ammonium Salt Assisted Synthesis Strategy for Cr ³⁺ -Doped Hexafluorides with Highly Efficient Near Infrared Emissions. <i>Advanced Functional Materials</i> , 2021, 31, 2103743.	7.8	107
34	Glass crystallization making red phosphor for high-power warm white lighting. <i>Light: Science and Applications</i> , 2021, 10, 56.	7.7	104
35	Three-Dimensional Laser-Assisted Patterning of Blue-Emissive Metal Halide Perovskite Nanocrystals inside a Glass with Switchable Photoluminescence. <i>ACS Nano</i> , 2020, 14, 3150-3158.	7.3	102
36	Self-sensitization induced upconversion of Er ³⁺ in core-shell nanoparticles. <i>Nanoscale</i> , 2018, 10, 17949-17957.	2.8	96

#	ARTICLE	IF	CITATIONS
37	Engineering of $\text{K}_3\text{YSi}_2\text{O}_7$ To Tune Photoluminescence with Selected Activators and Site Occupancy. <i>Chemistry of Materials</i> , 2019, 31, 7770-7778.	3.2	89
38	Tailored Near-Infrared Photoemission in Fluoride Perovskites through Activator Aggregation and Super-Exchange between Divalent Manganese Ions. <i>Advanced Science</i> , 2015, 2, 1500089.	5.6	86
39	Enabling Photon Upconversion and Precise Control of Donor-Acceptor Interaction through Interfacial Energy Transfer. <i>Advanced Science</i> , 2018, 5, 1700667.	5.6	86
40	Anomalous NIR Luminescence in Mn^{2+} -Doped Fluoride Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2014, 2, 670-678.	3.6	80
41	Insights into the energy transfer mechanism in Ce^{3+} YAG phosphors. <i>Physical Review B</i> , 2014, 90, .	1.9	79
42	Synthesis and warm-white LED applications of an efficient narrow-band red emitting phosphor, $\text{Rb}_2\text{ZrF}_6:\text{Mn}^{4+}$. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7253-7261.	2.7	77
43	Surface Passivation toward Highly Stable Mn^{4+} -Activated Red-Emitting Fluoride Phosphors and Enhanced Photostability for White LEDs. <i>Advanced Materials Interfaces</i> , 2019, 6, 1802006.	1.9	75
44	Temperature-tunable upconversion luminescence of perovskite nanocrystals $\text{KZnF}_3:\text{Yb}^{3+}, \text{Mn}^{2+}$. <i>Journal of Materials Chemistry C</i> , 2013, 1, 4209.	2.7	73
45	Tailoring photoluminescence stability in double perovskite red phosphors $\text{A}_2\text{BAlF}_6:\text{Mn}^{4+}$ (A = Rb, Cs; B = K, Rb) via neighboring-cation modulation. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12422-12429.	2.7	72
46	Stable narrowband red phosphor $\text{K}_3\text{GaF}_6:\text{Mn}^{4+}$ derived from hydrous $\text{K}_2\text{GaF}_5(\text{H}_2\text{O})$ and K_2MnF_6 . <i>Journal of Materials Chemistry C</i> , 2017, 5, 9588-9596.	2.7	70
47	A Ho^{3+} -Based Luminescent Thermometer for Sensitive Sensing over a Wide Temperature Range. <i>Advanced Optical Materials</i> , 2021, 9, 2001518.	3.6	70
48	Mn^{2+} -activated dual-wavelength emitting materials toward wearable optical fibre temperature sensor. <i>Nature Communications</i> , 2022, 13, 2166.	5.8	70
49	Luminescence properties and warm white LED application of a ternary-alkaline fluoride red phosphor $\text{K}_2\text{NaAlF}_6:\text{Mn}^{4+}$. <i>Dalton Transactions</i> , 2017, 46, 9925-9933.	1.6	64
50	Site-Selective Occupancy of Eu^{2+} Toward Blue-Light-Excited Red Emission in a $\text{Rb}_3\text{YSi}_2\text{O}_7:\text{Eu}$ Phosphor. <i>Angewandte Chemie</i> , 2019, 131, 11645-11650.	1.6	63
51	Controlling Red Color-Based Multicolor Upconversion through Selective Photon Blocking. <i>Advanced Functional Materials</i> , 2019, 29, 1804160.	7.8	62
52	Transition Metal-Involved Photon Upconversion. <i>Advanced Science</i> , 2016, 3, 1600302.	5.6	60
53	Probing Energy Migration through Precise Control of Interfacial Energy Transfer in Nanostructure. <i>Advanced Materials</i> , 2019, 31, e1806308.	11.1	60
54	Three Birds with One Stone: $\text{K}_2\text{SiF}_6:\text{Mn}^{4+}$ Single Crystal Phosphors for High-Power and Laser-Driven Lighting. <i>Advanced Optical Materials</i> , 2020, 8, 2000976.	3.6	59

#	ARTICLE	IF	CITATIONS
55	Single-band red upconversion luminescence of Yb ³⁺ Er ³⁺ via nonequivalent substitution in perovskite KMgF ₃ nanocrystals. Journal of Materials Chemistry C, 2016, 4, 1675-1684.	2.7	58
56	Unveiling Mn ⁴⁺ substitution in oxyfluoride phosphor Rb ₂ MoO ₂ F ₄ :Mn ⁴⁺ applied to wide-gamut fast-response backlight displays. Chemical Engineering Journal, 2021, 415, 128974.	6.6	56
57	Structural design enables highly-efficient green emission with preferable blue light excitation from zero-dimensional manganese (II) hybrids. Chemical Engineering Journal, 2021, 421, 129886.	6.6	56
58	Room-temperature Wavelength-tunable Single-Band Upconversion Luminescence from Yb ³⁺ /Mn ²⁺ Codoped Fluoride Perovskites ABF ₃ . Advanced Optical Materials, 2016, 4, 798-806.	3.6	55
59	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
60	Non-equivalent Mn ⁴⁺ doping into A ₂ NaScF ₆ (A = K, Rb, Cs) hosts toward short fluorescence lifetime for backlight display application. Journal of Materials Chemistry C, 2019, 7, 9203-9210.	2.7	51
61	Unusual Concentration Induced Antithermal Quenching of the Bi ²⁺ Emission from Sr ₂ P ₂ O ₇ :Bi ²⁺ . Inorganic Chemistry, 2015, 54, 6028-6034.	1.9	50
62	Activating Ultrahigh Thermo-responsive Upconversion in an Erbium Sublattice for Nanothermometry and Information Security. Nano Letters, 2022, 22, 7042-7048.	4.5	50
63	Dual-shelled RbLi(Li ₃ SiO ₄) ₂ :Eu ²⁺ @Al ₂ O ₃ @ODTMS Phosphor as a Stable Green Emitter for High-power LED Backlights. Angewandte Chemie - International Edition, 2020, 59, 12938-12943.	7.2	49
64	Site-specific reduction of Bi ³⁺ to Bi ²⁺ in bismuth-doped over-stoichiometric barium phosphates. Journal of Materials Chemistry C, 2013, 1, 5303.	2.7	48
65	Temperature-Dependent Two-Dimensional Transition Metal Dichalcogenide Heterostructures: Controlled Synthesis and Their Properties. ACS Applied Materials & Interfaces, 2017, 9, 30821-30831.	4.0	47
66	Stable narrowband red emission in fluorotellurate KTeF ₅ :Mn ⁴⁺ via Mn ⁴⁺ noncentral-site occupation. Journal of Materials Chemistry C, 2018, 6, 4418-4426.	2.7	47
67	Direct synthesis of FeS/N-doped carbon composite for high-performance sodium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 24702-24708.	5.2	46
68	Transition Metal Doped Smart Glass with Pressure and Temperature Sensitive Luminescence. Advanced Optical Materials, 2018, 6, 1800881.	3.6	43
69	Color tunable upconversion luminescent perovskite fluoride with long-/short-lived emissions toward multiple anti-counterfeiting. Journal of Materials Chemistry C, 2019, 7, 8226-8235.	2.7	42
70	Wavelength-tunability and Multiband Emission from Single-site Mn ²⁺ Doped CaO Through Antiferromagnetic Coupling and Tailored Superexchange Reactions. Advanced Optical Materials, 2017, 5, 1700070.	3.6	40
71	An efficient and stable narrow band Mn ⁴⁺ -activated fluorotitanate red phosphor Rb ₂ TiF ₆ :Mn ⁴⁺ for warm white LED applications. Journal of Materials Chemistry C, 2018, 6, 8670-8678.	2.7	40
72	Anomalous tunable visible to near infrared emission in the Mn ²⁺ -doped spinel MgGa ₂ O ₄ and room-temperature upconversion in the Mn ²⁺ and Yb ³⁺ -codoped spinel. Journal of Materials Chemistry C, 2014, 2, 8811-8816.	2.7	39

#	ARTICLE	IF	CITATIONS
73	Multifunctionalities of near-infrared upconversion luminescence, optical temperature sensing and long persistent luminescence in $\text{La}_{3-x}\text{Ga}_x\text{GeO}_{14}:\text{Cr}^{3+}, \text{Yb}^{3+}, \text{Er}^{3+}$ and their potential coupling. <i>RSC Advances</i> , 2015, 5, 49680-49687.	1.7	39
74	Dynamic Control of Orthogonal Upconversion in Migratory Core-Shell Nanostructure toward Information Security. <i>Advanced Functional Materials</i> , 2021, 31, 2009796.	7.8	39
75	Eu^{2+} Stabilized at Octahedrally Coordinated Ln^{3+} Site Enabling Red Emission in $\text{Sr}_3\text{LnAl}_2\text{O}_{7.5}$ ($\text{Ln} = \text{Y}$ or Lu) Phosphors. <i>Advanced Optical Materials</i> , 2021, 9, 2100077.	3.6	39
76	Distorted octahedral site occupation-induced high-efficiency broadband near-infrared emission in $\text{LiScGe}_2\text{O}_6:\text{Cr}^{3+}$ phosphor. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13640-13646.	2.7	38
77	Aliovalent substitution toward reinforced structural rigidity in Ce^{3+} -doped garnet phosphors featuring improved performance. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14594-14600.	2.7	37
78	High quality LED lamps using color-tunable Ce^{3+} -activated yellow-green oxyfluoride solid-solution and Eu^{3+} -doped red borate phosphors. <i>Journal of Materials Chemistry C</i> , 2015, 3, 8132-8141.	2.7	36
79	Ultrabroad Photoemission from an Amorphous Solid by Topochemical Reduction. <i>Advanced Optical Materials</i> , 2018, 6, 1801059.	3.6	36
80	Fluoride-sulfophosphate glasses as hosts for broadband optical amplification through transition metal activators. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7969-7976.	2.7	35
81	Tunable white upconversion luminescence from $\text{Yb}^{3+}-\text{Tm}^{3+}-\text{Mn}^{2+}$ tri-doped perovskite nanocrystals. <i>Optical Materials Express</i> , 2014, 4, 1186.	1.6	33
82	Origin of D-band emission in a novel Bi^{3+} -doped phosphor $\text{La}_3\text{SnGa}_5\text{O}_{14}:\text{Bi}^{3+}$. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3455-3461.	2.7	33
83	Tuning Mn^{4+} Red Photoluminescence in $(\text{K}, \text{Rb})_2\text{Ge}_4\text{O}_9:\text{Mn}^{4+}$ Solid Solutions by Partial Alkali Substitution. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3376-3381.	1.9	32
84	Interstitial Li^{+} Occupancy Enabling Radiative/Nonradiative Transition Control toward Highly Efficient Cr^{3+} -Based Near-Infrared Luminescence. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 31035-31043.	4.0	32
85	Photoluminescence and phosphorescence of Mn^{2+} ion activated green phosphor $\text{Na}_2\text{ZnSiO}_4:\text{Mn}^{2+}$ synthesized by self-reduction. <i>Materials Research Bulletin</i> , 2019, 113, 90-96.	2.7	31
86	Narrow Bandwidth Luminescence in $\text{Sr}_2\text{Li}(\text{Al}, \text{Ga})\text{O}_4:\text{Eu}^{2+}$ by Selective Site Occupancy Engineering for High Definition Displays. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100392.	4.4	31
87	Influence of oxygen vacancy on persistent luminescence in $\text{ZnGa}_2\text{O}_4:\text{Cr}^{3+}$ and identification of electron carriers. <i>Optical Materials Express</i> , 2017, 7, 734.	1.6	29
88	Non-stoichiometric defect-controlled reduction toward mixed-valence Mn-doped hexaaluminates and their optical applications. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5716-5723.	2.7	29
89	Site-Selective Occupancy of Mn^{2+} Enabling Adjustable Red/Near-Infrared Multimode Luminescence in Olivine for Dynamic Anticounterfeiting and Encryption. <i>ACS Applied Electronic Materials</i> , 2022, 4, 831-841.	2.0	28
90	Enhanced broadband 18 μm emission in Bi/Tm^{3+} co-doped fluorogermanate glasses. <i>Optical Materials Express</i> , 2015, 5, 1250.	1.6	26

#	ARTICLE	IF	CITATIONS
91	Unraveling the distinct luminescence thermal quenching behaviours of A/B-site Eu ³⁺ ions in double perovskite Sr ₂ CaMoO ₆ :Eu ³⁺ . <i>Optical Materials</i> , 2018, 75, 337-346.	1.7	24
92	A Guanidinium-Based Mn ⁴⁺ -Doped Red-Emitting Hybrid Phosphor with High Stability. <i>ACS Applied Electronic Materials</i> , 2020, 2, 4134-4145.	2.0	24
93	Shining Mn ⁴⁺ in OD Organometallic Fluoride Hosts towards Highly Efficient Photoluminescence. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	24
94	Near-infrared-to-near-infrared down-shifting and upconversion luminescence of KY ₃ F ₁₀ with single dopant of Nd ³⁺ ion. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	23
95	Long-lived Photon Upconversion Phosphorescence in RbCaF ₃ :Mn ²⁺ ,Yb ³⁺ and the Dynamic Color Separation Effect. <i>IScience</i> , 2019, 19, 597-606.	1.9	23
96	Facile <i>in situ</i> synthesis of zeolite-encapsulating Cs ₂ SiF ₆ :Mn ⁴⁺ for application in WLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1345-1352.	2.7	23
97	Regulation of red to near-infrared emission in Mn ²⁺ single doped magnesium zinc phosphate solid-solution phosphors by modification of the crystal field. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12443-12449.	2.7	22
98	Room-temperature green to orange color-tunable upconversion luminescence from Yb ³⁺ /Mn ²⁺ -co-doped CaO. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10154-10160.	2.7	22
99	Probing oxide-ion conduction in low-temperature SOFCs. <i>Nano Energy</i> , 2018, 50, 88-96.	8.2	22
100	The impact of local structure variation on thermal quenching of luminescence in Ca ₃ Mo ₂ W ₁₀ O ₆ :Eu ³⁺ solid solution phosphors. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	21
101	Understanding the Role of Yb ³⁺ in the Nd/Yb Coupled 808-nm-Responsive Upconversion. <i>Frontiers in Chemistry</i> , 2018, 6, 673.	1.8	21
102	Mn ⁴⁺ doped narrowband red phosphors with short fluorescence lifetime and high color stability for fast-response backlight display application. <i>Journal of Alloys and Compounds</i> , 2021, 855, 157347.	2.8	21
103	Enhancing upconversion of Nd ³⁺ through Yb ³⁺ -mediated energy cycling towards temperature sensing. <i>Journal of Rare Earths</i> , 2021, 39, 1506-1511.	2.5	21
104	A stimuli responsive material of perovskite quantum dots composited nano-porous glass. <i>Journal of Materials Chemistry C</i> , 2018, 6, 11184-11192.	2.7	20
105	Enhanced field emission properties from AlN nanowires synthesized on conductive graphite substrate. <i>Journal of Alloys and Compounds</i> , 2015, 646, 879-884.	2.8	18
106	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
107	Luminescence Enhancement of Mn ⁴⁺ -Activated Fluorides via a Heterovalent Co-Doping Strategy for Monochromatic Multiplexing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 51255-51265.	4.0	18
108	Novel Red Emission from MoO ₃ /MoS ₂ @MoO ₂ @MoO ₃ Core@Shell Belt Surface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36297-36303.	4.0	16

#	ARTICLE	IF	CITATIONS
109	Exchange coupled Mn-Mn pair: An approach for super-broadband 1380 nm emission in MnS . <i>Applied Physics Letters</i> , 2016, 109, .	1.5	15
110	Detection of oxide-ion and oxygen vacancy swapping via upconversion luminescence in $\text{La}_2\text{Mo}_2\text{O}_9:\text{Yb}^{3+},\text{Er}^{3+}$. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7286-7293.	2.7	15
111	Color-tunable upconversion luminescence and prolonged Eu^{3+} fluorescence lifetime in fluoride $\text{KCaF}_3:\text{Yb}^{3+},\text{Mn}^{2+},\text{Eu}^{3+}$ via controllable and efficient energy transfer. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9836-9844.	2.7	15
112	Heavy Mn^{2+} -doped near-infrared photon upconversion luminescence in fluoride $\text{RbZnF}_3:\text{Yb}^{3+},\text{Mn}^{2+}$ guided by dopant distribution simulation. <i>Journal of Materials Chemistry C</i> , 2020, 8, 12164-12172.	2.7	14
113	Photon upconversion afterglow materials toward visualized information coding/decoding. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3678-3687.	2.7	14
114	Near-infrared quantum-cutting luminescence and energy transfer properties of $\text{Ca}_3(\text{PO}_4)_2:\text{Tm}^{3+},\text{Ce}^{3+}$ phosphors. <i>Journal of Applied Physics</i> , 2014, 116, 023517.	1.1	13
115	Temperature-dependent properties of monolayer MoS_2 annealed in an Ar diluted S atmosphere: an experimental and first-principles study. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11138-11143.	2.7	12
116	Interaction between the exchanged Mn^{2+} and Yb^{3+} ions confined in zeolite-Y and their luminescence behaviours. <i>Scientific Reports</i> , 2017, 7, 46219.	1.6	10
117	Confining the polymerization degree of graphitic carbon nitride in porous zeolite-Y and its luminescence. <i>RSC Advances</i> , 2018, 8, 25057-25064.	1.7	10
118	Coordination Geometry Engineering in a Doped Disordered Matrix for Tunable Optical Response. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29343-29352.	1.5	10
119	Improved light emission of MoS_2 monolayers by constructing AlN/ MoS_2 core-shell nanowires. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10225-10230.	2.7	9
120	Tunable multiple emissions in manganese-concentrated sulfide through simultaneous tailoring of Mn-site coordination and Mn-Mn pair geometry. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	9
121	Crystallization kinetics and enhanced Bi NIR luminescence of transparent silicate glass-ceramics containing Sr_2YbF_7 nanocrystals. <i>Journal of the American Ceramic Society</i> , 2017, 100, 574-582.	1.9	9
122	Tuning the decay of Mn^{2+} emission via magnetically coupling with Cr^{3+} in ZnGa_2O_4 . <i>Journal of Applied Physics</i> , 2018, 124, 063108.	1.1	9
123	Morphology-controlled synthesis and structural characterization of ternary $\text{Al}_x\text{Ga}_{1-x}\text{N}$ nanostructures by chemical vapor deposition. <i>CrystEngComm</i> , 2015, 17, 1249-1257.	1.3	8
124	Unraveling the correlation between oxide-ion motion and upconversion luminescence in $\text{La}_2\text{Mo}_2\text{O}_9:\text{Yb}^{3+},\text{Er}^{3+}$ derivatives. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10965-10970.	2.7	8
125	Core-shell Nanostructures: Dynamic Control of Orthogonal Upconversion in Migratory Core-shell Nanostructure toward Information Security (Adv. Funct. Mater. 14/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170096.	7.8	7
126	An efficient synthetic strategy for uniform perovskite core-shell nanocubes $\text{NaMgF}_3:\text{Mn}^{2+},\text{Yb}^{3+}$ with enhanced near infrared upconversion luminescence. <i>Journal of Materials Chemistry C</i> , 2018, 6, 2342-2350.	2.7	6

#	ARTICLE	IF	CITATIONS
127	Quantum-dots-precipitated rare-earth-doped glass for ultra-broadband mid-infrared emissions. Journal of the American Ceramic Society, 2019, 102, 1560-1565.	1.9	6
128	Fluoride-Sulfophosphate/Silica Hybrid Fiber as a Platform for Optically Active Materials. Frontiers in Materials, 2019, 6, .	1.2	6
129	Effect of buffer layer on growth and properties of ZnO nanorod arrays. Journal of Materials Science: Materials in Electronics, 2015, 26, 5232-5236.	1.1	5
130	Dual-shelled RbLi(Li ₃ SiO ₄) ₂ :Eu ²⁺ @Al ₂ O ₃ @ODTMS Phosphor as a Stable Green Emitter for High-Power LED Backlights. Angewandte Chemie, 2020, 132, 13038-13043.	1.6	5
131	Isolated-Mn ²⁺ -like Luminescent Behavior in CsMnF ₃ Caused by Competing Magnetic Interactions at Cryogenic Temperature. Journal of Physical Chemistry C, 2021, 125, 27800-27809.	1.5	5
132	Optical Interpretation of a Second-Order Phase Transition Induced by Thermal-Driven Li ⁺ Migration via Configurational Entropy in CaTiO ₃ :Li ⁺ ,Yb ³⁺ ,Er ³⁺ . Journal of Physical Chemistry C, 2021, 125, 6916-6922.	1.5	4
133	All-fiber mode-locked gigahertz femtosecond laser at 1610 nm using a self-developed long-wavelength gain fiber. Optics Letters, 2022, 47, 981.	1.7	2
134	(INVITED)Broadband emission of Lu ₂ SrAl ₄ SiO ₁₂ :Eu ²⁺ phosphor for full-spectrum lighting. Optical Materials: X, 2022, 13, 100138.	0.3	2
135	A 102 W High-Power Linearly-Polarized All-Fiber Single-Frequency Laser at 1560 nm. Photonics, 2022, 9, 396.	0.9	2
136	Tuning and optimization of upconversion phosphors. , 2022, , 251-290.		0