

Qin-yuan Zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134
papers

6,153
citations

43
h-index

74
g-index

138
ext. papers

7,763
ext. citations

9
avg, IF

6.51
L-index

#	Paper	IF	Citations
134	All-fiber mode-locked gigahertz femtosecond laser at 1610 nm using a self-developed long-wavelength gain fiber.. <i>Optics Letters</i> , 2022 , 47, 981-984	3	
133	Tuning and optimization of upconversion phosphors 2022 , 251-290		
132	Broadband emission of Lu ₂ SrAl ₄ SiO ₁₂ :Eu ²⁺ phosphor for full-spectrum lighting. <i>Optical Materials: X</i> , 2022 , 13, 100138	1.7	0
131	Controlling upconversion in emerging multilayer core-shell nanostructures: from fundamentals to frontier applications.. <i>Chemical Society Reviews</i> , 2022 ,	58.5	16
130	Seed crystal induced cold sintering toward metal halide transparent ceramic scintillators.. <i>Advanced Materials</i> , 2022 , e2110420	24	15
129	Mn-activated dual-wavelength emitting materials toward wearable optical fibre temperature sensor.. <i>Nature Communications</i> , 2022 , 13, 2166	17.4	13
128	A 102 W High-Power Linearly-Polarized All-Fiber Single-Frequency Laser at 1560 nm. <i>Photonics</i> , 2022 , 9, 396	2.2	
127	Narrow Bandwidth Luminescence in Sr ₂ Li(Al,Ga)O ₄ :Eu ²⁺ by Selective Site Occupancy Engineering for High Definition Displays. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100392	8.3	3
126	Luminescence Enhancement of Mn-Activated Fluorides via a Heterovalent Co-Doping Strategy for Monochromatic Multiplexing. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51255-51265	9.5	4
125	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⁺ . <i>Journal of Physical Chemistry C</i> , 2021 , 125, 6916-6922	3.8	1
124	Glass crystallization making red phosphor for high-power warm white lighting. <i>Light: Science and Applications</i> , 2021 , 10, 56	16.7	40
123	Core-Shell Nanostructures: Dynamic Control of Orthogonal Upconversion in Migratory CoreShell Nanostructure toward Information Security (Adv. Funct. Mater. 14/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170096	15.6	0
122	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	15.6	28
121	Enhancing upconversion of Nd ³⁺ through Yb ³⁺ -mediated energy cycling towards temperature sensing. <i>Journal of Rare Earths</i> , 2021 ,	3.7	6
120	Unveiling Mn ⁴⁺ substitution in oxyfluoride phosphor Rb ₂ MoO ₂ F ₄ :Mn ⁴⁺ applied to wide-gamut fast-response backlight displays. <i>Chemical Engineering Journal</i> , 2021 , 415, 128974	14.7	20
119	A Ho ³⁺ -Based Luminescent Thermometer for Sensitive Sensing over a Wide Temperature Range. <i>Advanced Optical Materials</i> , 2021 , 9, 2001518	8.1	23
118	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	5.7	10

117	Origin of D-band emission in a novel Bi ³⁺ -doped phosphor La ₃ SnGa ₅ O ₁₄ :Bi ³⁺ . <i>Journal of Materials Chemistry C</i> , 2021 , 9, 3455-3461	7.1	7
116	Dynamic Control of Orthogonal Upconversion in Migratory Core/Shell Nanostructure toward Information Security. <i>Advanced Functional Materials</i> , 2021 , 31, 2009796	15.6	15
115	Eu ²⁺ Stabilized at Octahedrally Coordinated Ln ³⁺ Site Enabling Red Emission in Sr ₃ LnAl ₂ O _{7.5} (Ln = Y or Lu) Phosphors. <i>Advanced Optical Materials</i> , 2021 , 9, 2100077	8.1	12
114	Structural design enables highly-efficient green emission with preferable blue light excitation from zero-dimensional manganese (II) hybrids. <i>Chemical Engineering Journal</i> , 2021 , 421, 129886	14.7	17
113	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	8.3	52
112	Isolated-Mn ²⁺ -like Luminescent Behavior in CsMnF ₃ Caused by Competing Magnetic Interactions at Cryogenic Temperature. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 27800-27809	3.8	0
111	A Guanidinium-Based Mn ⁴⁺ -Doped Red-Emitting Hybrid Phosphor with High Stability. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 4134-4145	4	12
110	NIR II-responsive photon upconversion through energy migration in an ytterbium sublattice. <i>Nature Photonics</i> , 2020 , 14, 760-766	33.9	98
109	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	6.8	11
108	Broad-band emission in metal halide perovskites: Mechanism, materials, and applications. <i>Materials Science and Engineering Reports</i> , 2020 , 141, 100548	30.9	117
107	Narrow-band emitters in LED backlights for liquid-crystal displays. <i>Materials Today</i> , 2020 , 40, 246-265	21.8	53
106	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	16.7	57
105	Color-tunable upconversion luminescence and prolonged Eu ³⁺ fluorescence lifetime in fluoride KCdF ₃ :Yb ³⁺ ,Mn ²⁺ ,Eu ³⁺ via controllable and efficient energy transfer. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9836-9844	7.1	9
104	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. <i>Angewandte Chemie</i> , 2020 , 132, 13038-13043	3.6	4
103	Dual-Shelled RbLi(Li ₃ SiO ₄):Eu ²⁺ @Al ₂ O ₃ @ODTMS Phosphor as a Stable Green Emitter for High-Power LED Backlights. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12938-12943	16.4	21
102	Photon upconversion afterglow materials toward visualized information coding/decoding. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3678-3687	7.1	10
101	Heavy Mn ²⁺ -doped near-infrared photon upconversion luminescence in fluoride RbZnF ₃ :Yb ³⁺ ,Mn ²⁺ guided by dopant distribution simulation. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12164-12172	7.1	6
100	Structural Engineering of Eu ²⁺ -Doped Silicates Phosphors for LED Applications. <i>Accounts of Materials Research</i> , 2020 , 1, 137-145	7.5	59

99	Three Birds with One Stone: $K_2SiF_6:Mn^{4+}$ Single Crystal Phosphors for High-Power and Laser-Driven Lighting. <i>Advanced Optical Materials</i> , 2020 , 8, 2000976	8.1	26
98	Long-lived Photon Upconversion Phosphorescence in $RbCaF:Mn,Yb$ and the Dynamic Color Separation Effect. <i>IScience</i> , 2019 , 19, 597-606	6.1	15
97	Photoluminescence and phosphorescence of Mn^{2+} ion activated green phosphor $Na_2ZnSiO_4:Mn^{2+}$ synthesized by self-reduction. <i>Materials Research Bulletin</i> , 2019 , 113, 90-96	5.1	19
96	Facile in situ synthesis of zeolite-encapsulating $Cs_2SiF_6:Mn^{4+}$ for application in WLEDs. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 1345-1352	7.1	13
95	Polyhedron Transformation toward Stable Narrow-Band Green Phosphors for Wide-Color-Gamut Liquid Crystal Display. <i>Advanced Functional Materials</i> , 2019 , 29, 1901988	15.6	101
94	Non-equivalent Mn^{4+} doping into A_2NaScF_6 ($A = K, Rb, Cs$) hosts toward short fluorescence lifetime for backlight display application. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9203-9210	7.1	32
93	Color tunable upconversion luminescent perovskite fluoride with long-/short-lived emissions toward multiple anti-counterfeiting. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8226-8235	7.1	32
92	Site-Selective Occupancy of Eu^{2+} Toward Blue-Light-Excited Red Emission in a $Rb_3YSi_2O_7:Eu$ Phosphor. <i>Angewandte Chemie</i> , 2019 , 131, 11645	3.6	8
91	Site-Selective Occupancy of Eu Toward Blue-Light-Excited Red Emission in a $Rb YSi_2O_7:Eu$ Phosphor. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11521-11526	16.4	80
90	A thermally stable narrow-band green-emitting phosphor $MgAl_2O_4:Mn^{2+}$ for wide color gamut backlight display application. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8192-8198	7.1	64
89	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	4.6	46
88	Emerging ultra-narrow-band cyan-emitting phosphor for white LEDs with enhanced color rendition. <i>Light: Science and Applications</i> , 2019 , 8, 38	16.7	255
87	Controlling Red Color Based Multicolor Upconversion through Selective Photon Blocking. <i>Advanced Functional Materials</i> , 2019 , 29, 1804160	15.6	36
86	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	7.1	18
85	Engineering of $K_3YSi_2O_7$ To Tune Photoluminescence with Selected Activators and Site Occupancy. <i>Chemistry of Materials</i> , 2019 , 31, 7770-7778	9.6	50
84	Fluoride-Sulfophosphate/Silica Hybrid Fiber as a Platform for Optically Active Materials. <i>Frontiers in Materials</i> , 2019 , 6,	4	3
83	Heavy Mn^{2+} Doped $MgAl_2O_4$ Phosphor for High-Efficient Near-Infrared Light-Emitting Diode and the Night-Vision Application. <i>Advanced Optical Materials</i> , 2019 , 7, 1901105	8.1	81
82	Coordination Geometry Engineering in a Doped Disordered Matrix for Tunable Optical Response. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29343-29352	3.8	8

81	Divalent europium-doped near-infrared-emitting phosphor for light-emitting diodes. <i>Nature Communications</i> , 2019 , 10, 5267	17.4	182
80	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	7.1	22
79	Discovery of New Narrow-Band Phosphors with the UCr ₄ C ₄ -Related Type Structure by Alkali Cation Effect. <i>Advanced Optical Materials</i> , 2019 , 7, 1801631	8.1	78
78	Li substituent tuning of LED phosphors with enhanced efficiency, tunable photoluminescence, and improved thermal stability. <i>Science Advances</i> , 2019 , 5, eaav0363	14.3	101
77	Recent progress in the design of metal sulfides as anode materials for sodium ion batteries. <i>Energy Storage Materials</i> , 2019 , 22, 66-95	19.4	96
76	Probing Energy Migration through Precise Control of Interfacial Energy Transfer in Nanostructure. <i>Advanced Materials</i> , 2019 , 31, e1806308	24	27
75	Understanding the Role of Yb in the Nd/Yb Coupled 808-nm-Responsive Upconversion. <i>Frontiers in Chemistry</i> , 2018 , 6, 673	5	15
74	An efficient synthetic strategy for uniform perovskite core-shell nanocubes NaMgF ₃ :Mn ²⁺ ,Yb ³⁺ @NaMgF ₃ :Yb ³⁺ with enhanced near infrared upconversion luminescence. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2342-2350	7.1	3
73	Enabling Photon Upconversion and Precise Control of Donor-Acceptor Interaction through Interfacial Energy Transfer. <i>Advanced Science</i> , 2018 , 5, 1700667	13.6	65
72	Stable narrowband red emission in fluorotellurate KTeF ₅ :Mn ⁴⁺ via Mn ⁴⁺ noncentral-site occupation. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4418-4426	7.1	33
71	An efficient and stable narrow band Mn ⁴⁺ -activated fluorotitanate red phosphor Rb ₂ TiF ₆ :Mn ⁴⁺ for warm white LED applications. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 8670-8678	7.1	29
70	Confining Mn-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	9.5	75
69	Confining the polymerization degree of graphitic carbon nitride in porous zeolite-Y and its luminescence. <i>RSC Advances</i> , 2018 , 8, 25057-25064	3.7	6
68	Tuning the decay of Mn ²⁺ emission via magnetically coupling with Cr ³⁺ in ZnGa ₂ O ₄ . <i>Journal of Applied Physics</i> , 2018 , 124, 063108	2.5	6
67	Next-Generation Narrow-Band Green-Emitting RbLi(Li SiO) ₂ :Eu Phosphor for Backlight Display Application. <i>Advanced Materials</i> , 2018 , 30, e1802489	24	312
66	Transition Metal Doped Smart Glass with Pressure and Temperature Sensitive Luminescence. <i>Advanced Optical Materials</i> , 2018 , 6, 1800881	8.1	29
65	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	16.7	191
64	Waterproof Narrow-Band Fluoride Red Phosphor KTiF ₆ :Mn via Facile Superhydrophobic Surface Modification. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 880-889	9.5	111

63	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	3.3	16
62	Direct synthesis of FeS/N-doped carbon composite for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24702-24708	13	29
61	Quantum-dots-precipitated rare-earth-doped glass for ultra-broadband mid-infrared emissions. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 1560	3.8	0
60	Ultrabroad Photoemission from an Amorphous Solid by Topochemical Reduction. <i>Advanced Optical Materials</i> , 2018 , 6, 1801059	8.1	23
59	Novel Red Emission from MoO/MoS-MoO-MoO Core-Shell Belt Surface. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36297-36303	9.5	6
58	A stimuli responsive material of perovskite quantum dots composited nano-porous glass. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11184-11192	7.1	16
57	Self-sensitization induced upconversion of Er in core-shell nanoparticles. <i>Nanoscale</i> , 2018 , 10, 17949-17957	5.7	55
56	Probing oxide-ion conduction in low-temperature SOFCs. <i>Nano Energy</i> , 2018 , 50, 88-96	17.1	14
55	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	13	113
54	Highly Efficient and Thermally Stable KAlF:Mn as a Red Phosphor for Ultra-High-Performance Warm White Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8805-8812	9.5	203
53	Anomalous spontaneous-reduction of Mn ⁷⁺ /Mn ⁴⁺ to Mn ²⁺ and luminescence properties in Zn ₂ GeO ₄ :Mn. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3343-3351	7.1	42
52	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	7.1	121
51	Interaction between the exchanged Mn and Yb ions confined in zeolite-Y and their luminescence behaviours. <i>Scientific Reports</i> , 2017 , 7, 46219	4.9	9
50	Wavelength-Tunability and Multiband Emission from Single-Site Mn ²⁺ Doped CaO Through Antiferromagnetic Coupling and Tailored Superexchange Reactions. <i>Advanced Optical Materials</i> , 2017 , 5, 1700070	8.1	18
49	The impact of local structure variation on thermal quenching of luminescence in Ca ₃ MoxW ₁₀ O ₆ :Eu ³⁺ solid solution phosphors. <i>Journal of Applied Physics</i> , 2017 , 121, 123105	2.5	15
48	Facile Two-Step Synthesis of All-Inorganic Perovskite CsPbX ₃ (X = Cl, Br, and I) Zeolite-Y Composite Phosphors for Potential Backlight Display Application. <i>Advanced Functional Materials</i> , 2017 , 27, 1704371	15.6	176
47	Unraveling the correlation between oxide-ion motion and upconversion luminescence in Ba ₂ Mo ₂ O ₉ :Yb ³⁺ ,Er ³⁺ derivatives. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10965-10970	7.1	7
46	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	7.1	8

45	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	7.1	9
44	Stable narrowband red phosphor K ₃ GaF ₆ :Mn ⁴⁺ derived from hydrous K ₂ GaF ₅ (H ₂ O) and K ₂ MnF ₆ . <i>Journal of Materials Chemistry C</i> , 2017 , 5, 9588-9596	7.1	57
43	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	6.3	135
42	Temperature-Dependent Two-Dimensional Transition Metal Dichalcogenide Heterostructures: Controlled Synthesis and Their Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30821-30831	9.5	34
41	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, 213102	2.5	5
40	Tailoring photoluminescence stability in double perovskite red phosphors A ₂ BAlF ₆ :Mn ⁴⁺ (A = Rb, Cs; B = K, Rb) via neighboring-cation modulation. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12422-12429	7.1	52
39	Synthesis and warm-white LED applications of an efficient narrow-band red emitting phosphor, Rb ₂ ZrF ₆ :Mn ⁴⁺ . <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7253-7261	7.1	67
38	Luminescence properties and warm white LED application of a ternary-alkaline fluoride red phosphor KNaAlF ₆ :Mn. <i>Dalton Transactions</i> , 2017 , 46, 9925-9933	4.3	55
37	Fluoride-sulfophosphate glasses as hosts for broadband optical amplification through transition metal activators. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7969-7976	7.1	29
36	Crystallization kinetics and enhanced Bi NIR luminescence of transparent silicate glass-ceramics containing Sr ₂ YbF ₇ nanocrystals. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 574-582	3.8	8
35	Influence of oxygen vacancy on persistent luminescence in ZnGa ₂ O ₄ :Cr ³⁺ and identification of electron carriers. <i>Optical Materials Express</i> , 2017 , 7, 734	2.6	16
34	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, 12356-60	16.4	93
33	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	3.8	28
32	Detection of oxide-ion and oxygen vacancy swapping via upconversion luminescence in La ₂ Mo ₂ O ₉ :Yb ³⁺ ,Er ³⁺ . <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7286-7293	7.1	10
31	Single-band red upconversion luminescence of Yb ³⁺ /Er ³⁺ via nonequivalent substitution in perovskite KMgF ₃ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 1675-1684	7.1	41
30	Room-Temperature Wavelength-Tunable Single-Band Upconversion Luminescence from Yb ³⁺ /Mn ²⁺ Codoped Fluoride Perovskites ABF ₃ . <i>Advanced Optical Materials</i> , 2016 , 4, 798-806	8.1	43
29	Transition Metal-Involved Photon Upconversion. <i>Advanced Science</i> , 2016 , 3, 1600302	13.6	42
28	Exchange coupled Mn-Mn pair: An approach for super-broadband 1380 nm emission in β MnS. <i>Applied Physics Letters</i> , 2016 , 109, 191907	3.4	9

27	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, 041902	3.4	22
26	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	7.1	107
25	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	7.1	16
24	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	9.6	100
23	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	7.1	26
22	Enhanced field emission properties from AlN nanowires synthesized on conductive graphite substrate. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 879-884	5.7	16
21	Effect of buffer layer on growth and properties of ZnO nanorod arrays. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 5232-5236	2.1	5
20	Enhanced broadband 18 μ m emission in Bi/Tm ³⁺ co-doped fluorogermanate glasses. <i>Optical Materials Express</i> , 2015 , 5, 1250	2.6	22
19	Morphology-controlled synthesis and structural characterization of ternary Al _x Ga _{1-x} N nanostructures by chemical vapor deposition. <i>CrystEngComm</i> , 2015 , 17, 1249-1257	3.3	8
18	Tailored Near-Infrared Photoemission in Fluoride Perovskites through Activator Aggregation and Super-Exchange between Divalent Manganese Ions. <i>Advanced Science</i> , 2015 , 2, 1500089	13.6	57
17	Unusual Concentration Induced Antithermal Quenching of the Bi(2+) Emission from Sr ₂ P ₂ O ₇ :Bi(2.). <i>Inorganic Chemistry</i> , 2015 , 54, 6028-34	5.1	38
16	Multifunctionalities of near-infrared upconversion luminescence, optical temperature sensing and long persistent luminescence in La ₃ Ga ₅ GeO ₁₄ :Cr ³⁺ ,Yb ³⁺ ,Er ³⁺ and their potential coupling. <i>RSC Advances</i> , 2015 , 5, 49680-49687	3.7	36
15	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	7.1	18
14	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 ¹⁴⁴	3.8	144
13	Near-infrared quantum-cutting luminescence and energy transfer properties of Ca ₃ (PO ₄) ₂ :Tm ³⁺ ,Ce ³⁺ phosphors. <i>Journal of Applied Physics</i> , 2014 , 116, 023517	2.5	12
12	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. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8811-8816	7.1	29
11	Insights into the energy transfer mechanism in Ce ³⁺ /Yb ³⁺ codoped YAG phosphors. <i>Physical Review B</i> , 2014 , 90,	3.3	66
10	Tunable white upconversion luminescence from Yb ³⁺ -Tm ³⁺ -Mn ²⁺ tri-doped perovskite nanocrystals. <i>Optical Materials Express</i> , 2014 , 4, 1186	2.6	26

9	Anomalous NIR Luminescence in Mn ²⁺ -Doped Fluoride Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2014 , 2, 670-678	8.1	61
8	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, 11522-30	4.8	131
7	Site-specific reduction of Bi ³⁺ to Bi ²⁺ in bismuth-doped over-stoichiometric barium phosphates. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5303	7.1	42
6	Orderly-Layered Tetravalent Manganese-Doped Strontium Aluminate Sr ₄ Al ₁₄ O ₂₅ :Mn ⁴⁺ : An Efficient Red Phosphor for Warm White Light Emitting Diodes. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2870-2876	3.8	143
5	Temperature-tunable upconversion luminescence of perovskite nanocrystals KZnF ₃ :Yb ³⁺ ,Mn ²⁺ . <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4209	7.1	62
4	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	4.9	329
3	Shining Mn ⁴⁺ in 0D Organometallic Fluoride Hosts towards Highly Efficient Photoluminescence. <i>Advanced Optical Materials</i> , 2102141	8.1	3
2	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> ,	4	3
1	Distorted octahedral site occupation-induced high-efficiency broadband near-infrared emission in LiScGe ₂ O ₆ :Cr ³⁺ phosphor. <i>Journal of Materials Chemistry C</i> ,	7.1	5