

Jianbei Qiu

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.

225
papers

3,893
citations

32
h-index

46
g-index

243
ext. papers

5,013
ext. citations

5.5
avg. IF

5.82
L-index

#	Paper	IF	Citations
225	Highly sensitive optical thermometer of Sm ³⁺ , Mn ⁴⁺ activated LaGaO ₃ phosphor for the regulated thermal behavior. <i>Journal of the American Ceramic Society</i> , 2022 , 105, 2804-2812	3.8	1
224	Enhancement of green upconversion luminescence of Yb ³⁺ /Tb ³⁺ co-doped BiOBr nanosheets and its potential applications in photocatalysis. <i>Journal of Solid State Chemistry</i> , 2022 , 308, 122897	3.3	0
223	Multiple Anti-Counterfeiting and optical storage of reversible dual-mode luminescence modification in photochromic CaWO ₄ : Yb ³⁺ , Er ³⁺ , Bi ³⁺ phosphor. <i>Chemical Engineering Journal</i> , 2022 , 429, 132333	14.7	9
222	Enhancement of solar-driven photocatalytic activity of oxygen vacancy-rich Bi/BiOBr/SrLaF:Yb,Er composites through synergetic strategy of upconversion function and plasmonic effect.. <i>Journal of Environmental Sciences</i> , 2022 , 115, 76-87	6.4	6
221	Seed-Assisted Growth of Methylammonium-Free Perovskite for Efficient Inverted Perovskite Solar Cells.. <i>Small Methods</i> , 2022 , e2200048	12.8	1
220	Preparation and photoluminescence of Cs ₄ PbBr ₆ perovskite quantum dot embedded in borophosphate glass. <i>Journal of Alloys and Compounds</i> , 2022 , 911, 165004	5.7	1
219	Intense single-band red upconversion luminescence of Er ³⁺ /Yb ³⁺ codoped BiOCl nanocrystals via a facile solvothermal strategy. <i>Journal of Solid State Chemistry</i> , 2021 , 307, 122744	3.3	0
218	Enhancing the near-infrared photocatalytic activity and upconversion luminescence of BiOCl:Yb ³⁺ +Er ³⁺ nanosheets with polypyrrole in situ modification. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 15251-15262	7.1	2
217	All-Inorganic Lead Free Double Perovskite Li-Battery Anode Material Hosting High Li Ion Concentrations. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4125-4129	6.4	5
216	Multi-photon near-infrared emission of Er ³⁺ ions induced by upconversion self-sensitization of layered polarized Bi ₉ V ₂ O ₁₈ Cl semiconductor with narrow-band. <i>Journal of Luminescence</i> , 2021 , 232, 117819	3.8	1
215	A dynamic three-path authenticating model for anti-counterfeiting in a single host of CaAl ₂ Si ₂ O ₈ . <i>Chemical Engineering Journal</i> , 2021 , 412, 128695	14.7	10
214	Er ³⁺ -Yb ³⁺ ions doped fluoro-aluminosilicate glass-ceramics as a temperature-sensing material. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 4471-4478	3.8	4
213	A Highly Stable Photodetector Based on a Lead-Free Double Perovskite Operating at Different Temperatures. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5682-5688	6.4	4
212	Highly Resolved and Robust Dynamic X-Ray Imaging Using Perovskite Glass-Ceramic Scintillator with Reduced Light Scattering. <i>Advanced Science</i> , 2021 , 8, e2003728	13.6	39
211	Reversible 3D optical data storage and information encryption in photo-modulated transparent glass medium. <i>Light: Science and Applications</i> , 2021 , 10, 140	16.7	22
210	Broadband, Enhanced, and Antithermally Quenched Near-Infrared Phosphors via a Cosubstitution Approach. <i>Inorganic Chemistry</i> , 2021 , 60, 11616-11625	5.1	11
209	Transparent perovskite glass-ceramics for visual optical thermometry. <i>Journal of Rare Earths</i> , 2021 , 39, 712-717	3.7	11

208	980 nm-excited multiphoton photocarrier separation process of Yb ³⁺ ions under internal electric field and its upconverting modification on Eu ³⁺ ions. <i>Journal of Luminescence</i> , 2021 , 229, 117710	3.8	1
207	The dual-defect passivation role of lithium bromide doping in reducing the nonradiative loss in CsPbX ₃ (X = Br and I) quantum dots. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 658-668	6.8	3
206	Intermediate excited state suppression and upconversion enhancement of Er ions by carbon-doping boosting photocarrier separation in bismuth oxychloride nanosheets. <i>Journal of Colloid and Interface Science</i> , 2021 , 588, 838-846	9.3	4
205	An unusual strategy of Ca ²⁺ heterovalent doping enabled upconversion enhancement of Er ³⁺ in bismuth oxychloride layered semiconducting crystals. <i>Journal of Alloys and Compounds</i> , 2021 , 854, 157252	5.7	8
204	Influences of copper-potassium ion exchange process on the optical bandgaps and spectroscopic properties of Cr/Yb co-doped in lanthanum aluminosilicate glasses.. <i>RSC Advances</i> , 2021 , 11, 8917-8926	3.7	0
203	A reversible and fast-responsive humidity sensor based on a lead-free Cs ₂ TeCl ₆ double perovskite. <i>Materials Advances</i> , 2021 , 2, 1043-1049	3.3	5
202	Highly stable humidity sensor based on lead-free Cs ₃ Bi ₂ Br ₉ perovskite for breath monitoring. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 11299-11305	7.1	5
201	Optical bandgaps and visible/near-infrared emissions of Bi ⁿ⁺ -doped (n = 1, 2, and 3) fluoroaluminosilicate glasses via Ag ⁺ -K ⁺ ions exchange process. <i>Optical Materials</i> , 2021 , 112, 110762	3.3	3
200	Reproducible X-ray Imaging with a Perovskite Nanocrystal Scintillator Embedded in a Transparent Amorphous Network Structure. <i>Advanced Materials</i> , 2021 , 33, e2102529	24	47
199	Tailored Luminescence Output of Bi-Doped BaGaO Phosphors with the Assistance of the Introduction of Sr Ions as Secondary Cations. <i>Inorganic Chemistry</i> , 2021 , 60, 14467-14474	5.1	4
198	Thermal engineering of electron-trapping materials for Smart-Write-In ₂ optical data storage. <i>Chemical Engineering Journal</i> , 2021 , 420, 129788	14.7	3
197	A novel upconversion luminescence temperature sensing material: Negative thermal expansion Y ₂ Mo ₃ O ₁₂ :Yb ³⁺ , Er ³⁺ and positive thermal expansion Y ₂ Ti ₂ O ₇ :Yb ³⁺ , Er ³⁺ mixed phosphor. <i>Journal of Alloys and Compounds</i> , 2021 , 880, 160156	5.7	5
196	Internal electric field and oxygen vacancies synergistically enhancing luminescence properties of Eu ³⁺ -doped bismuth oxychloride microcrystals. <i>Journal of Luminescence</i> , 2021 , 240, 118454	3.8	
195	Highly Efficient and Tunable Emission of Lead-Free Manganese Halides toward White Light-Emitting Diode and X-Ray Scintillation Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2009973	15.6	49
194	Variation from Zero to Negative Thermal Quenching of Phosphor with Assistance of Defect States. <i>Inorganic Chemistry</i> , 2021 ,	5.1	4
193	Fingerprint Acquisition: Fingerprint Acquisition Based on Photo-Thermal Coloration of MoO ₃ Ceramic upon the Irradiation of Multiband Light outside the Bandgap (Adv. Mater. Technol. 11/2020). <i>Advanced Materials Technologies</i> , 2020 , 5, 2070069	6.8	1
192	A NIR to NIR rechargeable long persistent luminescence phosphor Ca ₂ Ga ₂ GeO ₇ :Yb ³⁺ , Tb ³⁺ . <i>Journal of Rare Earths</i> , 2020 , 39, 1520-1520	3.7	4
191	Broadband near-infrared emitting from Li _{1.6} Zn _{1.6} Sn _{2.8} O ₈ :Cr ³⁺ phosphor by two-site occupation and Al ³⁺ cationic regulation. <i>Materials and Design</i> , 2020 , 192, 108701	8.1	21

190	Atomic-Scale Insights into the Dynamics of Growth and Degradation of All-Inorganic Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4618-4624	6.4	11
189	Ca ²⁺ /Sr ²⁺ /Ba ²⁺ dependent phase separation, nanocrystallization and photoluminescence in fluoroaluminosilicate glass. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5796-5807	3.8	8
188	An orange-emitting phosphor BaSrGa ₄ O ₈ :Bi ³⁺ ,K ⁺ with unique one-dimensional chain structure for high index color WLEDs. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6075-6080	3.8	4
187	Modification photon avalanche emission of BiOCl: Er ³⁺ nanosheets through facile solvent-thermal synthesis. <i>Inorganic Chemistry Communication</i> , 2020 , 117, 107934	3.1	0
186	Long Persistent Luminescence from All-Inorganic Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , 2020 , 8, 2000585	8.1	21
185	The synthesis of a perovskite CsPbBr quantum dot superlattice in borosilicate glass. <i>Chemical Communications</i> , 2020 , 56, 4460-4463	5.8	14
184	Achieving high thermal stability of different rare-earth ions in a single matrix host via the manipulation of the local structure by a solid solution. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 16294-16300	3.6	5
183	A new strategy of interlayer doping of Li ions for the photoluminescence enhancement of Eu ³⁺ -doped bismuth oxychloride layered semiconductors. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3106-3114	6.8	4
182	In Situ Observation of Nucleation and Crystallization of a Single Nanoparticle in Transparent Media. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 15533-15540	3.8	6
181	Novel organic-inorganic hybrid powder SrGaO:Mn-ethyl cellulose for efficient latent fingerprint recognition time-gated fluorescence. <i>RSC Advances</i> , 2020 , 10, 8233-8243	3.7	7
180	Ultrahigh photo-stable all-inorganic perovskite nanocrystals and their robust random lasing. <i>Nanoscale Advances</i> , 2020 , 2, 888-895	5.1	3
179	Unusual photoluminescence regulation of single-crystalline BiOCl:Eu ³⁺ nanosheet by C-heterovalent doping: The evidence of photoferroelectric effect on the transitions of the RE ³⁺ optical activator. <i>Ceramics International</i> , 2020 , 46, 8299-8307	5.1	9
178	Energy transfer and spectroscopic properties of Cr ³⁺ /Yb ³⁺ co-doped TeO ₂ -nO ₂ -a ₂ O ₃ tellurite glasses under different wavelength excitation lights. <i>Optical Materials</i> , 2020 , 100, 109662	3.3	9
177	Reversible multiplexing for optical information recording, erasing, and reading-out in photochromic BaMgSiO ₄ :Bi ³⁺ luminescence ceramics. <i>Science China Materials</i> , 2020 , 63, 582-592	7.1	30
176	NIR-NIR upconverting optical temperature sensing based on the thermally coupled levels of Yb ³⁺ -Tm ³⁺ codoped Bi ₇ F ₁₁ O ₅ nanosheets. <i>Journal of Luminescence</i> , 2020 , 221, 117034	3.8	12
175	Electrochromism induced reversible upconversion luminescence modulation of WO ₃ :Yb ³⁺ , Er ³⁺ inverse opals for optical storage application. <i>Chemical Engineering Journal</i> , 2020 , 394, 124967	14.7	15
174	Disentangling site occupancy, cation regulation, and oxidation state regulation of the broadband near infrared emission in a chromium-doped SrGa ₄ O ₇ phosphor. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2313-2321	6.8	20
173	Perovskite quantum dots growth in situ in transparent medium for short wavelength shielding. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 4150-4158	3.8	3

172	Highly Sensitive Detection of Amaranth Realized with Upconversion Nanoparticles-Based Solid Sensor. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 127511	3.9	2
171	Ultraviolet C lasing at 263 nm from BaLaF:Yb,Tm upconversion nanocrystal microcavities. <i>Optics Letters</i> , 2020 , 45, 5986-5989	3	2
170	Near infrared light-induced photocurrent in NaYF ₄ :Yb ³⁺ , Er ³⁺ /WO _{2.72} composite film. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 1677-1684	3.8	3
169	Optical thermometry properties of silicate glass ceramics with dual-phase for spatial isolation of Er ³⁺ and Cr ³⁺ . <i>Journal of Luminescence</i> , 2020 , 219, 116861	3.8	22
168	Multiple-response anti-counterfeiting realized in CaYAl ₃ O ₇ host with the dual coexistence of Eu ²⁺ /Eu ³⁺ . <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2235-2243	3.8	5
167	Silver nanoparticles enhanced luminescence and stability of CsPbBr ₃ perovskite quantum dots in borosilicate glass. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2463-2470	3.8	20
166	Intense single-band red upconversion emission in BiOCl:Er ³⁺ layered semiconductor via co-doping Ho ³⁺ . <i>Journal of Rare Earths</i> , 2020 , 38, 577-583	3.7	3
165	Temperature sensing behavior of Tm ³⁺ : 1G ₄ (a), 1G ₄ (b) in oxyfluoride glass ceramics containing BaYb _x Y(1-x)F ₅ nanocrystals. <i>Journal of Rare Earths</i> , 2020 , 38, 356-361	3.7	3
164	Atomic-Level Passivation of Individual Upconversion Nanocrystal for Single Particle Microscopic Imaging. <i>Advanced Functional Materials</i> , 2020 , 30, 1906137	15.6	16
163	High-Stable X-ray Imaging from All-Inorganic Perovskite Nanocrystals under a High Dose Radiation. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9203-9209	6.4	18
162	Influence of Cr ³⁺ on yellowish-green UC emission and energy transfer of Er ³⁺ /Cr ³⁺ /Yb ³⁺ tri-doped zinc silicate glasses. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6356-6368	3.8	5
161	In situ synthesis of high-efficiency CsPbBr ₃ /CsPb ₂ Br ₅ composite nanocrystals in aqueous solution of microemulsion. <i>Green Chemistry</i> , 2020 , 22, 5257-5261	10	9
160	Fingerprint Acquisition Based on Photo-Thermal Coloration of MoO ₃ Ceramic upon the Irradiation of Multiband Light outside the Bandgap. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000562	6.8	5
159	Multimode Highly Tunable Photoluminescence of Eu ³⁺ Ions Induced by Surface Photovoltage of Bi ₉ V ₂ O ₁₈ Cl Perovskite Oxychloride Nanosheets and Application for Advanced Anticounterfeiting Agents. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27811-27819	3.8	2
158	Selective preparation of Ag species on photoluminescence of Sm ³⁺ in borosilicate glass via Ag ⁺ -Na ⁺ ion exchange. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 955-964	3.8	8
157	Laser induced thermochromism and reversible upconversion emission modulation of a novel WO ₃ :Yb ³⁺ ,Er ³⁺ ceramic: dual-modal fingerprint acquisition application. <i>Chemical Engineering Journal</i> , 2020 , 383, 123180	14.7	30
156	Warm white light emitting from single composition SrGa ₁₂ O ₁₉ :Dy ³⁺ phosphors for AC-LED. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 335-345	3.8	16
155	808 nm-excited multiband NIR emission with looping mechanism and intrinsic bistability in Er ³⁺ singly-doped BiOCl layered semiconductor. <i>Optical Materials</i> , 2020 , 102, 109806	3.3	2

154	Novel Strategy for Designing Photochromic Ceramic: Reversible Upconversion Luminescence Modification and Optical Information Storage Application in the PbWO ₃ :Yb, Er Photochromic Ceramic. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21936-21943	9.5	32
153	Broadband near-infrared emission enhancement in K ₂ Ga ₂ Sn ₆ O ₁₆ :Cr ³⁺ phosphor by electron-lattice coupling regulation. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5067-5075	3.8	25
152	High-performance and moisture-resistant red-emitting Cs ₂ SiF ₆ :Mn ⁴⁺ for high-brightness LED backlighting. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2401-2407	7.1	44
151	Intense one-band near-infrared upconversion luminescence induced by using spontaneous polarization BiOCl sheet crystals as hosts for Yb ³⁺ and Tm ³⁺ ions. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 612-620	6.8	12
150	Recent developments and progress of inorganic photo-stimulated phosphors. <i>Journal of Rare Earths</i> , 2019 , 37, 679-690	3.7	22
149	Crystal structure insight aided design of SrGa ₂ Si ₂ O ₈ :Mn ²⁺ with multi-band and thermally stable emission for high-power LED applications. <i>Chemical Engineering Journal</i> , 2019 , 375, 122016	14.7	17
148	Phase-Selective Distribution of Eu ²⁺ and Eu ³⁺ in Oxide and Fluoride Crystals in Glass-Ceramics for Warm White-Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 961-971	4	19
147	Red photo-stimulated luminescence from deep traps of BaZrGe ₃ O ₉ : Pr ³⁺ for optical imaging application. <i>Journal of Alloys and Compounds</i> , 2019 , 800, 224-230	5.7	9
146	Reversible Modulated Upconversion Luminescence of MoO ₃ :Yb,Er Thermochromic Phosphor for Switching Devices. <i>Inorganic Chemistry</i> , 2019 , 58, 6950-6958	5.1	17
145	Detection of Cell Viability via Fluorescence Labeling of Silicate Phosphor with a Low-Temperature Superlong Persistent Luminescence.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2610-2616	4.1	3
144	Reversible Upconversion Luminescence Modification Based on Photochromism in BaMgSiO ₄ :Yb ³⁺ ,Tb ³⁺ Ceramics for Anti-Counterfeiting Applications. <i>Advanced Optical Materials</i> , 2019 , 7, 1900213	8.1	67
143	Simultaneous phase and morphology control of Ba ₂ YbF ₇ : Er ³⁺ upconversion nanocrystals through La ³⁺ doping. <i>Materials Research Bulletin</i> , 2019 , 115, 242-246	5.1	3
142	NIR-excited all-inorganic perovskite quantum dots (CsPbBr ₃) for a white light-emitting device. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 3751-3755	7.1	18
141	High Water Resistance of Monoclinic CsPbBr ₃ Nanocrystals Derived from Zero-Dimensional Cesium Lead Halide Perovskites. <i>ACS Omega</i> , 2019 , 4, 6084-6091	3.9	24
140	Study of Crystallization and Coalescence of Nanocrystals in Amorphous Glass at High Temperature. <i>Inorganic Chemistry</i> , 2019 , 58, 9500-9504	5.1	4
139	Structural Origins of BaF ₂ /Ba _{1-x} R _x F _{2+x} /RF ₃ Nanocrystals Formation from Phase Separated Fluoroaluminosilicate Glass: A Molecular Dynamic Simulation Study. <i>Advanced Theory and Simulations</i> , 2019 , 2, 1900062	3.5	4
138	Effect of melting temperature on the structure of self-crystallized Ba ₂ LaF ₇ glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2019 , 523, 119579	3.9	7
137	BiOCl:Er ³⁺ Nanosheets with Tunable Thickness for Photon Avalanche Phosphors. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7652-7660	5.6	13

136	No-Interference Reading for Optical Information Storage and Ultra-Multiple Anti-Counterfeiting Applications by Designing Targeted Recombination in Charge Carrier Trapping Phosphors. <i>Advanced Optical Materials</i> , 2019 , 7, 1900006	8.1	50
135	Improving upconversion emission of NaYF ₄ :Yb ³⁺ , Er ³⁺ nanoparticles by coupling Au nanoparticles and photonic crystals: The detection enhancement of Rhodamine B. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 1265-1273	5.7	15
134	Abnormally heat-enhanced Yb excited state lifetimes in Bi ₇ F ₁₁ O ₅ nanocrystals and the potential applications in lifetime luminescence nanothermometry. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 13817-13817 ¹	7.1	11
133	Influence of glass composition on photoluminescence from Ge ²⁺ or Ag nano-cluster in germanate glasses for white light-emitting diodes. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 1169-1179	3.8	7
132	Upconversion luminescence modification induced near infrared luminescence enhancement of Bi ₂ Ti ₂ O ₇ :Yb ³⁺ , Er ³⁺ inverse opals. <i>Journal of Luminescence</i> , 2019 , 208, 150-154	3.8	14
131	Low-temperature red long-persistent luminescence of Pr ³⁺ doped NaNbO ₃ with a perovskite structure. <i>Journal of Luminescence</i> , 2019 , 208, 290-295	3.8	16
130	Ultra-high sensitivity of rhodamine B sensing based on NaGdF ₄ :Yb ³⁺ ,Er ³⁺ @NaGdF ₄ core-shell upconversion nanoparticles. <i>Journal of Rare Earths</i> , 2019 , 37, 339-344	3.7	5
129	Preparation and photoluminescence enhancement of Au nanoparticles with ultra-broad plasmonic absorption in glasses. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4200-4212	3.8	4
128	Insights into anti-thermal quenching of photoluminescence from SrCaGa ₄ O ₈ based on defect state and application in temperature sensing. <i>Journal of Luminescence</i> , 2019 , 208, 284-289	3.8	15
127	UV-shielding device of high-stability glass embedded with in-situ growth of ZnO quantum dots. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 535-540	5.7	13
126	Luminescence quenching properties of Sr ₂ Ga ₂ GeO ₇ : Pr ³⁺ with and without traps participation. <i>Journal of Solid State Chemistry</i> , 2019 , 271, 23-28	3.3	6
125	Two distinct simultaneous NIR looping behaviours of Er ³⁺ singly doped BiOBr: The underlying nature of the Er ³⁺ ion photon avalanche emission induced by a layered structure. <i>Journal of Alloys and Compounds</i> , 2019 , 779, 440-449	5.7	15
124	Achieving long-term zero-thermal-quenching with the assistance of carriers from deep traps. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 2978-2982	7.1	64
123	Enhanced luminescence performance of CaO:Ce ³⁺ ,Li ⁺ ,F ⁻ phosphor and its phosphor-in-glass based high-power warm LED properties. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4077-4086	7.1	18
122	Effects of the deep traps on the thermal-stability property of CaAl ₂ O ₄ : Eu ²⁺ phosphor. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3480-3488	3.8	27
121	Direct Identification of Surface Defects and Their Influence on the Optical Characteristics of Upconversion Nanoparticles. <i>ACS Nano</i> , 2018 , 12, 3623-3628	16.7	67
120	Thermochromic Reaction-Induced Reversible Upconversion Emission Modulation for Switching Devices and Tunable Upconversion Emission Based on Defect Engineering of WO ₃ :Yb,Er Phosphor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14941-14947	9.5	49
119	Preparation, Growth Mechanism, Upconversion, and Near-Infrared Photoluminescence Properties of Convex-Lens-like NaYF ₄ Microcrystals Doped with Various Rare Earth Ions Excited at 808 nm. <i>Crystal Growth and Design</i> , 2018 , 18, 1758-1767	3.5	17

118	Ultrastable red-emitting phosphor-in-glass for superior high-power artificial plant growth LEDs. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1738-1745	7.1	72
117	Emergence of photoluminescence enhancement of Eu doped BiOCl single-crystalline nanosheets at reduced vertical dimensions. <i>Nanoscale</i> , 2018 , 10, 4865-4871	7.7	39
116	Thermally stable photoluminescence and long persistent luminescence of Ca ₃ Ga ₄ O ₉ :Tb ³⁺ /Zn ²⁺ . <i>Journal of Rare Earths</i> , 2018 , 36, 675-679	3.7	15
115	Preparation of ultra-small molecule-like Ag nano-clusters in silicate glass based on ion-exchange process: Energy transfer investigation from molecule-like Ag nano-clusters to Eu ³⁺ ions. <i>Chemical Engineering Journal</i> , 2018 , 341, 175-186	14.7	26
114	Preparation and photoluminescence enhancement of Au nanoparticles embedded LaPO ₄ :Eu ³⁺ inverse opals. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2689-2694	3.8	7
113	Role of oxygen vacancies in long persistent phosphor Ca ₂ Ga ₂ GeO ₇ :Zn ²⁺ . <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2695-2700	3.8	14
112	Rb cations enable the change of luminescence properties in perovskite (RbCsPbBr) quantum dots. <i>Nanoscale</i> , 2018 , 10, 3429-3437	7.7	42
111	Luminescence enhancement and white light generation of Eu ³⁺ and Dy ³⁺ single-doped and co-doped tellurite glasses by Ag nanoparticles based on Ag ⁺ -Na ⁺ ion-exchange. <i>Journal of Alloys and Compounds</i> , 2018 , 748, 717-729	5.7	23
110	Effects of crystal structure transformation on cooperative up-conversion luminescence in the Tb ³⁺ -Yb ³⁺ co-doped oxyfluoride glass-ceramics. <i>Journal of Alloys and Compounds</i> , 2018 , 731, 1044-1052	5.7	11
109	Enhanced photoluminescence property and mechanism of Eu ³⁺ -doped tellurite glasses by the silver and gold nanoparticles. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 612-623	3.8	21
108	Upconversion luminescence enhancement of NaYF ₄ :Yb ³⁺ ,Er ³⁺ nanocrystals induced by the surface plasmon resonance of nonstoichiometric WO _{2.72} semiconductor. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 4463-4467	3.8	9
107	Influence of upconversion luminescence modification on near infrared luminescence and cooperative energy transfer in the YbPO ₄ :Er ³⁺ , Nb ³⁺ /Er ³⁺ inverse opals excited at 980 or 808 nm. <i>Journal of Alloys and Compounds</i> , 2018 , 767, 16-22	5.7	9
106	Abnormal photo-stimulated luminescence in Ba ₂ Ga ₂ GeO ₇ : Tb ³⁺ , Bi ³⁺ . <i>Journal of Luminescence</i> , 2018 , 202, 414-419	3.8	26
105	Multiple anti-counterfeiting realized in NaBaScSi ₂ O ₇ with a single activator of Eu ²⁺ . <i>Journal of Materials Chemistry C</i> , 2018 , 6, 11137-11143	7.1	31
104	Modified surface states of NaGdF ₄ :Yb/Tm up-conversion nanoparticles via a post-chemical annealing process. <i>Nanoscale</i> , 2018 , 10, 19031-19038	7.7	10
103	Effect of heat treatment mechanism on upconversion luminescence in Er ³⁺ /Yb ³⁺ co-doped NaYF ₄ oxyfluoride glass-ceramics. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 303-307	5.7	22
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