

# Jianbei Qiu

## List of Publications by Citations

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#	Paper	IF	Citations
225	Tunable and White Light Emission of a Single-Phased Ba <sub>2</sub> Y(BO <sub>3</sub> ) <sub>2</sub> Cl:Bi <sup>3+</sup> ,Eu <sup>3+</sup> Phosphor by Energy Transfer for Ultraviolet Converted White LEDs. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 5267-5276	3.8	121
224	Sunlight activated long-lasting luminescence from Ba <sub>5</sub> Si <sub>8</sub> O <sub>21</sub> : Eu(2+),Dy(3+) phosphor. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 1690-7	5.1	98
223	Temperature sensing based on the up-conversion emission of Tm <sup>3+</sup> in a single KLuF <sub>4</sub> microcrystal. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 728, 1037-1042	5.7	87
222	Phonon-Assisted Population Inversion in Lanthanide-Doped Upconversion Ba LaF Nanocrystals in Glass-Ceramics. <i>Advanced Materials</i> , <b>2016</b> , 28, 8045-8050	24	86
221	Coupling of Ag Nanoparticle with Inverse Opal Photonic Crystals as a Novel Strategy for Upconversion Emission Enhancement of NaYF <sub>4</sub> : Yb(3+), Er(3+) Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25211-8	9.5	79
220	Ultrastable red-emitting phosphor-in-glass for superior high-power artificial plant growth LEDs. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 1738-1745	7.1	72
219	Photoluminescence properties of tellurite glasses doped Dy <sup>3+</sup> + and Eu <sup>3+</sup> + for the UV and blue converted WLEDs. <i>Journal of Non-Crystalline Solids</i> , <b>2017</b> , 457, 1-8	3.9	72
218	Reversible Upconversion Luminescence Modification Based on Photochromism in BaMgSiO <sub>4</sub> :Yb <sup>3+</sup> ,Tb <sup>3+</sup> Ceramics for Anti-Counterfeiting Applications. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900213	8.1	67
217	Direct Identification of Surface Defects and Their Influence on the Optical Characteristics of Upconversion Nanoparticles. <i>ACS Nano</i> , <b>2018</b> , 12, 3623-3628	16.7	67
216	Achieving long-term zero-thermal-quenching with the assistance of carriers from deep traps. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2978-2982	7.1	64
215	Enhancement of the up-conversion luminescence of Yb <sup>3+</sup> /Er <sup>3+</sup> or Yb <sup>3+</sup> /Tm <sup>3+</sup> co-doped NaYF <sub>4</sub> nanoparticles by photonic crystals. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 6541	7.1	62
214	Color-tunable luminescence in Eu <sup>3+</sup> /Tb <sup>3+</sup> co-doped oxyfluoride glass and transparent glass/ceramics. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 629, 310-314	5.7	55
213	Upconversion Emission Enhancement of NaYF <sub>4</sub> :Yb,Er Nanoparticles by Coupling Silver Nanoparticle Plasmons and Photonic Crystal Effects. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 17992-17999	3.8	53
212	Effect of optical basicity on broadband infrared fluorescence in bismuth-doped alkali metal germanate glasses. <i>Optical Materials</i> , <b>2009</b> , 31, 945-948	3.3	50
211	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> , <b>2019</b> , 7, 1900006	8.1	50
210	Thermochromic Reaction-Induced Reversible Upconversion Emission Modulation for Switching Devices and Tunable Upconversion Emission Based on Defect Engineering of WO:Yb,Er Phosphor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 14941-14947	9.5	49
209	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> , <b>2021</b> , 31, 2009973	15.6	49

208	Tunable LLP via Energy Transfer between $\text{Na}_2\text{Y}(\text{Zn}_{1-x}\text{Gax})\text{GeO}_4$ Solid Host and Emission Centers with the Assistance of Zn Vacancies. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 14047-14055	3.8	47
207	Reproducible X-ray Imaging with a Perovskite Nanocrystal Scintillator Embedded in a Transparent Amorphous Network Structure. <i>Advanced Materials</i> , <b>2021</b> , 33, e2102529	24	47
206	Long persistent properties of $\text{CaGa}_2\text{O}_4:\text{Bi}^{3+}$ at different ambient temperature. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 3514-3521	3.8	45
205	High-performance and moisture-resistant red-emitting $\text{Cs}_2\text{SiF}_6:\text{Mn}^{4+}$ for high-brightness LED backlighting. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2401-2407	7.1	44
204	Upconversion emission enhancement mechanisms of $\text{Nd}^{3+}$ -sensitized $\text{NaYF}_4:\text{Yb}^{3+},\text{Er}^{3+}$ nanoparticles using tunable plasmonic Au films: plasmonic-induced excitation, radiative decay rate and energy-transfer enhancement. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 8535-8544	7.1	43
203	Recent progress on upconversion luminescence enhancement in rare-earth doped transparent glass-ceramics. <i>Journal of Rare Earths</i> , <b>2016</b> , 34, 341-367	3.7	43
202	Rb cations enable the change of luminescence properties in perovskite ( $\text{RbCsPbBr}$ ) quantum dots. <i>Nanoscale</i> , <b>2018</b> , 10, 3429-3437	7.7	42
201	Emergence of photoluminescence enhancement of Eu doped $\text{BiOCl}$ single-crystalline nanosheets at reduced vertical dimensions. <i>Nanoscale</i> , <b>2018</b> , 10, 4865-4871	7.7	39
200	Highly Resolved and Robust Dynamic X-Ray Imaging Using Perovskite Glass-Ceramic Scintillator with Reduced Light Scattering. <i>Advanced Science</i> , <b>2021</b> , 8, e2003728	13.6	39
199	High multi-photon visible upconversion emissions of $\text{Er}^{3+}$ singly doped $\text{BiOCl}$ microcrystals: A photon avalanche of $\text{Er}^{3+}$ induced by 980 nm excitation. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 231104	3.4	38
198	Energy transfer and photoluminescence modification in $\text{Yb}^{3+}/\text{Er}^{3+}/\text{Tm}^{3+}$ triply doped $\text{Y}_2\text{Ti}_2\text{O}_7$ upconversion inverse opal. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18558		38
197	Far-Red-Emitting $\text{BiOCl}:\text{Eu}^{3+}$ Phosphor with Excellent Broadband NUV-Excitation for White-Light-Emitting Diodes. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2170-2176	3.8	36
196	Efficient near-infrared to visible and ultraviolet upconversion in polycrystalline $\text{BiOCl}:\text{Er}^{3+}/\text{Yb}^{3+}$ synthesized at low temperature. <i>Ceramics International</i> , <b>2013</b> , 39, 8911-8916	5.1	36
195	The synthesis and photoluminescence of a single-phased white-emitting $\text{NaAlSi}_3\text{O}_8:\text{Ce}^{3+},\text{Mn}^{2+}$ phosphor for WLEDs. <i>Materials Research Bulletin</i> , <b>2016</b> , 73, 1-5	5.1	34
194	Observation of Energy Transfer from Host to Rare-Earth Ions in $\text{Ca}_2\text{SnO}_4:\text{Pr}^{3+}$ Phosphor. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 985-987	3.8	33
193	Novel Strategy for Designing Photochromic Ceramic: Reversible Upconversion Luminescence Modification and Optical Information Storage Application in the $\text{PbWO}_4:\text{Yb},\text{Er}$ Photochromic Ceramic. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 21936-21943	9.5	32
192	Effect of crystalline fraction on upconversion luminescence in $\text{Er}^{3+}/\text{Yb}^{3+}$ Co-doped $\text{NaYF}_4$ oxyfluoride glass-ceramics. <i>Journal of the European Ceramic Society</i> , <b>2017</b> , 37, 763-770	6	31
191	Multiple anti-counterfeiting realized in $\text{NaBaScSi}_2\text{O}_7$ with a single activator of $\text{Eu}^{2+}$ . <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 11137-11143	7.1	31

190	Reversible multiplexing for optical information recording, erasing, and reading-out in photochromic BaMgSiO <sub>4</sub> :Bi <sup>3+</sup> luminescence ceramics. <i>Science China Materials</i> , <b>2020</b> , 63, 582-592	7.1	30
189	Laser induced thermochromism and reversible upconversion emission modulation of a novel WO <sub>3</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> ceramic: dual-modal fingerprint acquisition application. <i>Chemical Engineering Journal</i> , <b>2020</b> , 383, 123180	14.7	30
188	Effect of Defect Distribution on the Optical Storage Properties of Strontium Gallates with a Low-Dimensional Chain Structure. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 894-901	5.1	29
187	Contribution of Eu ions on the precipitation of silver nanoparticles in Ag-Eu co-doped borate glasses. <i>Materials Research Bulletin</i> , <b>2014</b> , 51, 315-319	5.1	29
186	Investigation of the role of silver species on spectroscopic features of Sm <sup>3+</sup> -activated sodium aluminosilicate glasses via Ag <sup>+</sup> -Na <sup>+</sup> ion exchange. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 193103	2.5	29
185	Photoluminescence enhancement of Eu <sup>3+</sup> ions by Ag species in SiO <sub>2</sub> three-dimensionally ordered macroporous materials. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 7699-7708	7.1	28
184	Effects of the deep traps on the thermal-stability property of CaAl <sub>2</sub> O <sub>4</sub> : Eu <sup>2+</sup> phosphor. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 3480-3488	3.8	27
183	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 <sup>3+</sup> ions. <i>Chemical Engineering Journal</i> , <b>2018</b> , 341, 175-186	14.7	26
182	Abnormal photo-stimulated luminescence in Ba <sub>2</sub> Ga <sub>2</sub> GeO <sub>7</sub> : Tb <sup>3+</sup> , Bi <sup>3+</sup> . <i>Journal of Luminescence</i> , <b>2018</b> , 202, 414-419	3.8	26
181	Broadband near-infrared emission enhancement in K <sub>2</sub> Ga <sub>2</sub> Sn <sub>6</sub> O <sub>16</sub> :Cr <sup>3+</sup> phosphor by electron-lattice coupling regulation. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 5067-5075	3.8	25
180	High Water Resistance of Monoclinic CsPbBr <sub>3</sub> Nanocrystals Derived from Zero-Dimensional Cesium Lead Halide Perovskites. <i>ACS Omega</i> , <b>2019</b> , 4, 6084-6091	3.9	24
179	Design, synthesis and characterization of a novel orange-yellow long-lasting phosphor: Li <sub>2</sub> SrSiO <sub>4</sub> :Eu <sup>2+</sup> , Dy <sup>3+</sup> . <i>Powder Technology</i> , <b>2015</b> , 276, 129-133	5.2	24
178	High-temperature long persistent and photo-stimulated luminescence in Tb <sup>3+</sup> doped gallate phosphor. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 701, 774-779	5.7	23
177	Luminescence enhancement and white light generation of Eu <sup>3+</sup> and Dy <sup>3+</sup> single-doped and co-doped tellurite glasses by Ag nanoparticles based on Ag <sup>+</sup> -Na <sup>+</sup> ion-exchange. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 748, 717-729	5.7	23
176	Splitting upconversion emission and phonon-assisted population inversion of Ba <sub>2</sub> Y(BO <sub>3</sub> ) <sub>2</sub> Cl:Yb <sup>3+</sup> , Er <sup>3+</sup> phosphor. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 4994-4998	3.8	23
175	Phase transformation and enhancement of luminescence in the Tb <sup>3+</sup> -Yb <sup>3+</sup> co-doped oxyfluoride glass ceramics containing NaYF <sub>4</sub> nanocrystals. <i>Journal of the European Ceramic Society</i> , <b>2016</b> , 36, 2825-2830	6	23
174	Effect of heat treatment mechanism on upconversion luminescence in Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped NaYF <sub>4</sub> oxyfluoride glass-ceramics. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 699, 303-307	5.7	22
173	Investigation of optical properties: Eu with Al codoping in aluminum silicate glasses and glass-ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2901-2913	3.8	22

172	Recent developments and progress of inorganic photo-stimulated phosphors. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 679-690	3.7	22
171	Effects of gold nanoparticles on the enhancement of upconversion and near-infrared emission in Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped transparent glass-ceramics containing BaF <sub>2</sub> nanocrystals. <i>Ceramics International</i> , <b>2015</b> , 41, 2648-2653	5.1	22
170	Photostimulated and Long Persistent Luminescence Properties from Different Crystallographic Sites of Sr <sub>2</sub> SiO <sub>4</sub> : Eu <sup>2+</sup> , R <sup>3+</sup> (R=Er, Tm, Gd). <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 171-177	3.8	22
169	Effect of Li <sup>+</sup> ions on the enhancement upconversion and stokes emission of NaYF <sub>4</sub> :Tb, Yb co-doped in glass-ceramics. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 667, 297-301	5.7	22
168	Optical thermometry properties of silicate glass ceramics with dual-phase for spatial isolation of Er <sup>3+</sup> and Cr <sup>3+</sup> . <i>Journal of Luminescence</i> , <b>2020</b> , 219, 116861	3.8	22
167	Reversible 3D optical data storage and information encryption in photo-modulated transparent glass medium. <i>Light: Science and Applications</i> , <b>2021</b> , 10, 140	16.7	22
166	Broadband near-infrared emitting from Li <sub>1.6</sub> Zn <sub>1.6</sub> Sn <sub>2.8</sub> O <sub>8</sub> :Cr <sup>3+</sup> phosphor by two-site occupation and Al <sup>3+</sup> cationic regulation. <i>Materials and Design</i> , <b>2020</b> , 192, 108701	8.1	21
165	Long Persistent Luminescence from All-Inorganic Perovskite Nanocrystals. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000585	8.1	21
164	Enhanced photoluminescence property and mechanism of Eu <sup>3+</sup> -doped tellurite glasses by the silver and gold nanoparticles. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 612-623	3.8	21
163	Multi-band photon avalanche controlling performance of BiOCl:Er <sup>3+</sup> crystals through facile Yb <sup>3+</sup> doping. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8559-8565	7.1	20
162	Disentangling site occupancy, cation regulation, and oxidation state regulation of the broadband near infrared emission in a chromium-doped SrGa <sub>4</sub> O <sub>7</sub> phosphor. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2313-2321	6.8	20
161	Unusually enhancing high-order photon avalanche upconversion of layered BiOCl:Er <sup>3+</sup> semiconductor poly-crystals via Li <sup>+</sup> ion intercalation doping. <i>Materials and Design</i> , <b>2016</b> , 105, 290-295	8.1	20
160	Preparation and blue-white luminescence properties of Bi <sup>3+</sup> -doped Ba <sub>5</sub> Si <sub>4</sub> O <sub>14</sub> Cl <sub>6</sub> . <i>Journal of Materials Science</i> , <b>2013</b> , 48, 8566-8570	4.3	20
159	Silver nanoparticles enhanced luminescence and stability of CsPbBr <sub>3</sub> perovskite quantum dots in borosilicate glass. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 2463-2470	3.8	20
158	Phase-Selective Distribution of Eu <sup>2+</sup> and Eu <sup>3+</sup> in Oxide and Fluoride Crystals in Glass-Ceramics for Warm White-Light-Emitting Diodes. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 961-971	4	19
157	Preparation and upconversion emission modification of crystalline colloidal arrays and rare earth fluoride microcrystal composites. <i>Scientific Reports</i> , <b>2015</b> , 5, 7636	4.9	19
156	Effect of glass network modifier R <sub>2</sub> O (R=Li, Na and K) on upconversion luminescence in Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped NaYF <sub>4</sub> oxyfluoride glass-ceramics. <i>Journal of Rare Earths</i> , <b>2015</b> , 33, 830-836	3.7	19
155	Energy transfer and upconversion emission of Er <sup>3+</sup> /Tb <sup>3+</sup> /Yb <sup>3+</sup> co-doped transparent glass-ceramics containing Ba <sub>2</sub> LaF <sub>7</sub> nanocrystals under heat treatment. <i>Optical Materials</i> , <b>2014</b> , 36, 639-644	3.3	19

154	NIR-excited all-inorganic perovskite quantum dots (CsPbBr <sub>3</sub> ) for a white light-emitting device. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 3751-3755	7.1	18
153	Investigation on the upconversion emission in 2D BiOBr:Yb(3+)/Ho(3+) nanosheets. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2015</b> , 150, 135-41	4.4	18
152	Enhanced luminescence performance of CaO:Ce <sup>3+</sup> ,Li <sup>+</sup> ,F <sup>-</sup> phosphor and its phosphor-in-glass based high-power warm LED properties. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4077-4086	7.1	18
151	All-Inorganic Perovskite Polymer/Ceramics for Flexible and Refreshable X-Ray Imaging. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 2107424	15.6	18
150	High-Stable X-ray Imaging from All-Inorganic Perovskite Nanocrystals under a High Dose Radiation. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 9203-9209	6.4	18
149	Crystal structure insight aided design of SrGa <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> :Mn <sup>2+</sup> with multi-band and thermally stable emission for high-power LED applications. <i>Chemical Engineering Journal</i> , <b>2019</b> , 375, 122016	14.7	17
148	Reversible Modulated Upconversion Luminescence of MoO:Yb,Er Thermochromic Phosphor for Switching Devices. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6950-6958	5.1	17
147	Preparation, Growth Mechanism, Upconversion, and Near-Infrared Photoluminescence Properties of Convex-Lens-like NaYF <sub>4</sub> Microcrystals Doped with Various Rare Earth Ions Excited at 808 nm. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 1758-1767	3.5	17
146	Effect of Mn <sup>2+</sup> ions on the enhancement red upconversion emission of Mn <sup>2+</sup> /Er <sup>3+</sup> /Yb <sup>3+</sup> tri-doped in transparent glass-ceramics. <i>Optics and Laser Technology</i> , <b>2014</b> , 64, 264-268	4.2	17
145	Effect of photonic bandgap on upconversion emission in YbPO <sub>4</sub> :Er inverse opal photonic crystals. <i>Applied Optics</i> , <b>2011</b> , 50, 287-90	0.2	17
144	Color variation of photo-stimulated luminescence in strontium ortho-silicate with the assistance of trap centers. <i>Materials Letters</i> , <b>2014</b> , 127, 40-43	3.3	16
143	Modification of the upconversion spontaneous emission in photonic crystals. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 133, 584-587	4.4	16
142	The influence of alkali ions size on the superbroadband NIR emission from bismuth-doped alkali aluminoborophosphosilicate glasses. <i>Optical Materials</i> , <b>2012</b> , 35, 61-64	3.3	16
141	Atomic-Level Passivation of Individual Upconversion Nanocrystal for Single Particle Microscopic Imaging. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1906137	15.6	16
140	Low-temperature red long-persistent luminescence of Pr <sup>3+</sup> doped NaNbO <sub>3</sub> with a perovskite structure. <i>Journal of Luminescence</i> , <b>2019</b> , 208, 290-295	3.8	16
139	Warm white light emitting from single composition SrGa <sub>2</sub> O <sub>9</sub> :Dy <sup>3+</sup> phosphors for AC-LED. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 335-345	3.8	16
138	Color tunable upconversion emission in CeO <sub>2</sub> :Yb,Er three-dimensional ordered macroporous materials. <i>Journal of Rare Earths</i> , <b>2015</b> , 33, 599-603	3.7	15
137	Electrochromism induced reversible upconversion luminescence modulation of WO <sub>3</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> inverse opals for optical storage application. <i>Chemical Engineering Journal</i> , <b>2020</b> , 394, 124967	14.7	15

136	Thermally stable photoluminescence and long persistent luminescence of Ca <sub>3</sub> Ga <sub>4</sub> O <sub>9</sub> :Tb <sup>3+</sup> /Zn <sup>2+</sup> . <i>Journal of Rare Earths</i> , <b>2018</b> , 36, 675-679	3.7	15
135	Effects of Li <sup>+</sup> ions on the enhancement of up-conversion emission in Ho <sup>3+</sup> -Yb <sup>3+</sup> co-doped transparent glass/ceramics containing Ba <sub>2</sub> LaF <sub>7</sub> nanocrystals. <i>Optical Materials</i> , <b>2016</b> , 60, 277-282	3.3	15
134	Infrared broadband emission of bismuth/erbium co-doped lanthanum/aluminum/silica glasses. <i>Journal of Luminescence</i> , <b>2012</b> , 132, 1353-1356	3.8	15
133	Effect of the Glass Structure on Emission of Rare-Earth-Doped Borate Glasses. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 4102-4106	3.8	15
132	Significant Improvement of Photo-Stimulated Luminescence of Ba <sub>4</sub> (Si <sub>3</sub> O <sub>8</sub> ) <sub>2</sub> :Eu <sup>2+</sup> by Co-Doping with Tm <sup>3+</sup> . <i>ECS Journal of Solid State Science and Technology</i> , <b>2013</b> , 2, R225-R229	2	15
131	Improving upconversion emission of NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nanoparticles by coupling Au nanoparticles and photonic crystals: The detection enhancement of Rhodamine B. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 788, 1265-1273	5.7	15
130	Insights into anti-thermal quenching of photoluminescence from SrCaGa <sub>4</sub> O <sub>8</sub> based on defect state and application in temperature sensing. <i>Journal of Luminescence</i> , <b>2019</b> , 208, 284-289	3.8	15
129	Two distinct simultaneous NIR looping behaviours of Er <sup>3+</sup> singly doped BiOBr: The underlying nature of the Er <sup>3+</sup> ion photon avalanche emission induced by a layered structure. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 779, 440-449	5.7	15
128	The synthesis of a perovskite CsPbBr quantum dot superlattice in borosilicate glass. <i>Chemical Communications</i> , <b>2020</b> , 56, 4460-4463	5.8	14
127	Role of oxygen vacancies in long persistent phosphor Ca <sub>2</sub> Ga <sub>2</sub> GeO <sub>7</sub> : Zn <sup>2+</sup> . <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 2695-2700	3.8	14
126	Effect of retrapping on the persistent luminescence in strontium silicate orange/yellow phosphor. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 206, 66-68	3.3	14
125	Comprehensive investigations of near infrared downshift and upconversion luminescence mechanisms in Yb single-doped and Er,Yb co-doped SiO inverse opals. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 31997-32006	3.6	14
124	Upconversion luminescence modification induced near infrared luminescence enhancement of Bi <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> inverse opals. <i>Journal of Luminescence</i> , <b>2019</b> , 208, 150-154	3.8	14
123	Photostimulated luminescence properties of Eu <sup>2+</sup> -doped barium aluminate phosphor. <i>Luminescence</i> , <b>2015</b> , 30, 235-9	2.5	13
122	Enhancement of Tb <sup>3+</sup> /Yb quantum cutting emission by inverse opal photonic crystals. <i>Optical Materials</i> , <b>2016</b> , 54, 229-233	3.3	13
121	BiOCl:Er <sup>3+</sup> Nanosheets with Tunable Thickness for Photon Avalanche Phosphors. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 7652-7660	5.6	13
120	Influence of the Eu <sup>2+</sup> on the Silver Aggregates Formation in Ag <sup>+</sup> /Na <sup>+</sup> Ion-Exchanged Eu <sup>3+</sup> -Doped Sodium Aluminosilicate Glasses. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1110-1114	3.8	13
119	UV-shielding device of high-stability glass embedded with in-situ growth of ZnO quantum dots. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 784, 535-540	5.7	13

118	Intense one-band near-infrared upconversion luminescence induced by using spontaneous polarization BiOCl sheet crystals as hosts for Yb <sup>3+</sup> and Tm <sup>3+</sup> ions. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 612-620	6.8	12
117	NIR-NIR upconverting optical temperature sensing based on the thermally coupled levels of Yb <sup>3+</sup> -Tm <sup>3+</sup> codoped Bi <sub>7</sub> F <sub>11</sub> O <sub>5</sub> nanosheets. <i>Journal of Luminescence</i> , <b>2020</b> , 221, 117034	3.8	12
116	Tunable Mission and Trichromatic White-Emitting in Oxyfluoride Glasses by Utilization of Cu <sup>+</sup> Ions as Multiple Energy-Transfer Creators. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 2897-2902	3.8	12
115	Color-tunable luminescence of Eu <sup>3+</sup> in PbF <sub>2</sub> embedded in oxyfluoroborate glass and its nanocrystalline glass. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 621, 62-65	5.7	11
114	Atomic-Scale Insights into the Dynamics of Growth and Degradation of All-Inorganic Perovskite Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 4618-4624	6.4	11
113	Effects of crystal structure transformation on cooperative up-conversion luminescence in the Tb <sup>3+</sup> -Yb <sup>3+</sup> co-doped oxyfluoride glass-ceramics. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 731, 1044-1052	5.7	11
112	Improvement of the energy transfer from Ca <sub>3</sub> SnSi <sub>2</sub> O <sub>9</sub> host to rare-earth ions with the assistance of oxygen vacancies. <i>RSC Advances</i> , <b>2014</b> , 4, 963-968	3.7	11
111	Au nanoparticles embedded inverse opal photonic crystals as substrates for upconversion emission enhancement. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 988-997	3.8	11
110	Broadband, Enhanced, and Antithermally Quenched Near-Infrared Phosphors via a Cosubstitution Approach. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11616-11625	5.1	11
109	Abnormally heat-enhanced Yb excited state lifetimes in Bi <sub>7</sub> F <sub>11</sub> O <sub>5</sub> nanocrystals and the potential applications in lifetime luminescence nanothermometry. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 13817-13817	7.1	11
108	Transparent perovskite glass-ceramics for visual optical thermometry. <i>Journal of Rare Earths</i> , <b>2021</b> , 39, 712-717	3.7	11
107	Visible and near-infrared upconversion photoluminescence in lanthanide-doped KLu <sub>3</sub> F <sub>10</sub> nanoparticles. <i>CrystEngComm</i> , <b>2015</b> , 17, 7332-7338	3.3	10
106	Improved optical storage properties of NaAlSiO <sub>4</sub> : Tb <sup>3+</sup> induced by Bi <sup>3+</sup> . <i>Optical Materials</i> , <b>2016</b> , 57, 140-145	3.45	10
105	Investigation on existing states and photoluminescence property of silver in the SiO <sub>2</sub> three-dimensionally ordered macroporous materials. <i>RSC Advances</i> , <b>2014</b> , 4, 33607	3.7	10
104	Ag <sub>2</sub> O dependent up-conversion luminescence properties in Tm <sup>3+</sup> /Er <sup>3+</sup> /Yb <sup>3+</sup> co-doped oxyfluorogermanate glasses. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 083512	2.5	10
103	A dynamic three-path authenticating model for anti-counterfeiting in a single host of CaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> . <i>Chemical Engineering Journal</i> , <b>2021</b> , 412, 128695	14.7	10
102	Photoluminescence Enhancement of SiO <sub>2</sub> -Coated LaPO <sub>4</sub> :Eu <sup>3+</sup> Inverse Opals by Surface Plasmon Resonance of Ag Nanoparticles. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 3330-3335	3.8	10
101	Modified surface states of NaGdF <sub>4</sub> :Yb/Tm up-conversion nanoparticles via a post-chemical annealing process. <i>Nanoscale</i> , <b>2018</b> , 10, 19031-19038	7.7	10



100	Red photo-stimulated luminescence from deep traps of BaZrGe3O9: Pr3+ for optical imaging application. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 800, 224-230	5.7	9
99	Unusual photoluminescence regulation of single-crystalline BiOCl:Eu3+ nanosheet by C-heterovalent doping: The evidence of photoferroelectric effect on the transitions of the RE3+ optical activator. <i>Ceramics International</i> , <b>2020</b> , 46, 8299-8307	5.1	9
98	Energy transfer and spectroscopic properties of Cr3+/Yb3+ co-doped TeO2-xNb2O5-xLa2O3 tellurite glasses under different wavelength excitation lights. <i>Optical Materials</i> , <b>2020</b> , 100, 109662	3.3	9
97	Upconversion luminescence enhancement of NaYF4:Yb3+,Er3+ nanocrystals induced by the surface plasmon resonance of nonstoichiometric WO2.72 semiconductor. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 4463-4467	3.8	9
96	Influence of upconversion luminescence modification on near infrared luminescence and cooperative energy transfer in the YbPO4:Er3+, Nb3+/Er3+ inverse opals excited at 980 or 808 nm. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 767, 16-22	5.7	9
95	Preparation and characterization of Er3+-Yb3+-Ce3+ co-doped transparent glass ceramic containing nano Ca5(PO4)3F crystals. <i>Journal of Rare Earths</i> , <b>2013</b> , 31, 400-404	3.7	9
94	Color Tunable Upconversion Emission in Yb, Er Co-Doped Bismuth Titanate Inverse Opal. <i>Journal of the American Ceramic Society</i> , <b>2011</b> , 94, 2308-2310	3.8	9
93	Frequency up-conversion luminescence properties and mechanism of Tm3+/Er3+/Yb3+ co-doped oxyfluorogermanate glasses. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2011</b> , 26, 393-397	1	9
92	In situ synthesis of high-efficiency CsPbBr3/CsPb2Br5 composite nanocrystals in aqueous solution of microemulsion. <i>Green Chemistry</i> , <b>2020</b> , 22, 5257-5261	10	9
91	Multiple Anti-Counterfeiting and optical storage of reversible dual-mode luminescence modification in photochromic CaWO4: Yb3+, Er3+, Bi3+ phosphor. <i>Chemical Engineering Journal</i> , <b>2022</b> , 429, 132333	14.7	9
90	Modification on upconversion luminescence of Er-Yb co-doped BiOCl semiconductor nanosheets through interaction between nanohost and doping lanthanide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 177, 111-117	4.4	8
89	Up-conversion luminescence properties of lanthanide-doped LuF3 with different morphologies synthesized via a facile ionothermal process. <i>CrystEngComm</i> , <b>2015</b> , 17, 2147-2152	3.3	8
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84	Novel organic-inorganic hybrid powder SrGaO:Mn-ethyl cellulose for efficient latent fingerprint recognition time-gated fluorescence. <i>RSC Advances</i> , <b>2020</b> , 10, 8233-8243	3.7	7
83	Preparation and photoluminescence enhancement of Au nanoparticles embedded LaPO4:Eu3+ inverse opals. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 2689-2694	3.8	7

82	Effect of melting temperature on the structure of self-crystallized Ba <sub>2</sub> LaF <sub>7</sub> glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 523, 119579	3.9	7
81	NIR Enhancement Based on Energy Transfer Process of Ce <sup>3+</sup> /Yb <sup>3+</sup> in Inverse Opal Photonic Crystals. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 911-916	3.8	7
80	Influence of glass composition on photoluminescence from Ge <sup>2+</sup> or Ag nano-cluster in germanate glasses for white light-emitting diodes. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 1169-1179	3.8	7
79	Investigation on the near-infrared-emitting thermal stability of Bi activated alkaline-earth aluminoborosilicate glasses. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 053107	2.5	6
78	Effective enhancement of Bi near-infrared luminescence in silicogermanate glasses via silver/sodium ion exchange. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 409, 178-182	3.9	6
77	In Situ Observation of Nucleation and Crystallization of a Single Nanoparticle in Transparent Media. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 15533-15540	3.8	6
76	Trade-off Lattice Site Occupancy Engineering Strategy for Near-Infrared Phosphors with Ultrabroad and Tunable Emission. <i>Advanced Optical Materials</i> , <b>2020</b> , 10, 2101633	8.1	6
75	Luminescence quenching properties of Sr <sub>2</sub> Ga <sub>2</sub> GeO <sub>7</sub> : Pr <sup>3+</sup> with and without traps participation. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 271, 23-28	3.3	6
74	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> , <b>2022</b> , 115, 76-87	6.4	6
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72	Tunable and ultra-broad plasmon enhanced upconversion emission of NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> nanoparticles deposited on Au films with papilla Au nanoparticles. <i>RSC Advances</i> , <b>2016</b> , 6, 56963-56970	3.7	5
71	Controllable synergistic effect of Yb <sup>3+</sup> , Er <sup>3+</sup> co-doped KLu <sub>2</sub> F <sub>7</sub> with the assistant of defect state. <i>CrystEngComm</i> , <b>2016</b> , 18, 2642-2649	3.3	5
70	Preparation and upconversion luminescence modification of YbPO <sub>4</sub> :Er <sup>3+</sup> inverse opal heterostructure. <i>Journal of Rare Earths</i> , <b>2017</b> , 35, 1180-1185	3.7	5
69	Up-conversion luminescence of Er <sup>3+</sup> ions in transparent oxyfluoride glass ceramics containing Na(Gdx, Y1-x)F <sub>4</sub> nanocrystals. <i>Materials Research Bulletin</i> , <b>2017</b> , 85, 47-51	5.1	5
68	Significantly enhanced superbroadband NIR emission in bismuth-doped calcium aluminophosphosilicate glasses by PbO substitution. <i>Materials Research Bulletin</i> , <b>2013</b> , 48, 260-263	5.1	5
67	Multiple-response anti-counterfeiting realized in CaYAl <sub>3</sub> O <sub>7</sub> host with the dual coexistence of Eu <sup>2+</sup> /Eu <sup>3+</sup> . <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 2235-2243	3.8	5
66	Influence of Cr <sup>3+</sup> on yellowish-green UC emission and energy transfer of Er <sup>3+</sup> /Cr <sup>3+</sup> /Yb <sup>3+</sup> tri-doped zinc silicate glasses. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 6356-6368	3.8	5
65	Fingerprint Acquisition Based on Photo-Thermal Coloration of MoO <sub>3</sub> Ceramic upon the Irradiation of Multiband Light outside the Bandgap. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000562	6.8	5

64	All-Inorganic Lead Free Double Perovskite Li-Battery Anode Material Hosting High Li Ion Concentrations. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 4125-4129	6.4	5
63	Ultra-high sensitivity of rhodamine B sensing based on NaGdF <sub>4</sub> :Yb <sup>3+</sup> ,Er <sup>3+</sup> @NaGdF <sub>4</sub> core-shell upconversion nanoparticles. <i>Journal of Rare Earths</i> , <b>2019</b> , 37, 339-344	3.7	5
62	A reversible and fast-responsive humidity sensor based on a lead-free Cs <sub>2</sub> TeCl <sub>6</sub> double perovskite. <i>Materials Advances</i> , <b>2021</b> , 2, 1043-1049	3.3	5
61	Highly stable humidity sensor based on lead-free Cs <sub>3</sub> Bi <sub>2</sub> Br <sub>9</sub> perovskite for breath monitoring. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 11299-11305	7.1	5
60	A novel upconversion luminescence temperature sensing material: Negative thermal expansion Y <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> and positive thermal expansion Y <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> mixed phosphor. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 880, 160156	5.7	5
59	Entirely Reversible Photochromic Glass with High Coloration and Luminescence Contrast for 3D Optical Storage. <i>ACS Energy Letters</i> , 2060-2069	20.1	5
58	Ag Nanoparticles-Enhanced Photoluminescence in LaPO <sub>4</sub> : Eu Three-Dimensional Ordered Macroporous Films. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 1562-1566	3.8	4
57	Local structure regulating effect for the near infrared luminescence of Bi in zinc silicate and germanate glasses. <i>Optik</i> , <b>2015</b> , 126, 3624-3627	2.5	4
56	A NIR to NIR rechargeable long persistent luminescence phosphor Ca <sub>2</sub> Ga <sub>2</sub> GeO <sub>7</sub> :Yb <sup>3+</sup> ,Tb <sup>3+</sup> . <i>Journal of Rare Earths</i> , <b>2020</b> , 39, 1520-1520	3.7	4
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53	Study of Crystallization and Coalescence of Nanocrystals in Amorphous Glass at High Temperature. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9500-9504	5.1	4
52	Structural Origins of BaF <sub>2</sub> /Ba <sub>1-x</sub> R <sub>x</sub> F <sub>2-x/3</sub> Nanocrystals Formation from Phase Separated Fluoroaluminosilicate Glass: A Molecular Dynamic Simulation Study. <i>Advanced Theory and Simulations</i> , <b>2019</b> , 2, 1900062	3.5	4
51	Abnormal near-infrared luminescence property of bismuth doped calcium germanate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 402, 166-171	3.9	4
50	Color Variation Between PSL and PL in CaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> :Tb <sup>3+</sup> with the Assistance of Trap Level. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2008-2010	3.8	4
49	Preparation and Enhanced Luminescence of Au Nanoparticles Including SiO <sub>2</sub> :Tb <sup>3+</sup> Three-Dimensional Ordered Macroporous Films. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2011-2013	3.8	4
48	Blue and green upconversion luminescence modification of Tb <sup>3+</sup> /Yb <sup>3+</sup> co-doped Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> F inverse opal. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 62, 149-152	2.3	4
47	Large reversible upconversion luminescence modification and 3D optical information storage in femtosecond laser irradiation-subjected photochromic glass. <i>Science China Materials</i> , 1	7.1	4

46	Er <sup>3+</sup> -Yb <sup>3+</sup> ions doped fluoro-aluminosilicate glass-ceramics as a temperature-sensing material. <i>Journal of the American Ceramic Society</i> , <b>2021</b> , 104, 4471-4478	3.8	4
45	A Highly Stable Photodetector Based on a Lead-Free Double Perovskite Operating at Different Temperatures. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 5682-5688	6.4	4
44	Preparation and photoluminescence enhancement of Au nanoparticles with ultra-broad plasmonic absorption in glasses. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 4200-4212	3.8	4
43	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> , <b>2021</b> , 588, 838-846	9.3	4
42	Enhanced upconversion luminescence of BiOCl:Yb <sup>3+</sup> ,Er <sup>3+</sup> nanosheets via carbon dot modification and their optical temperature sensing. <i>Materials Chemistry Frontiers</i> ,	7.8	4
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40	Variation from Zero to Negative Thermal Quenching of Phosphor with Assistance of Defect States. <i>Inorganic Chemistry</i> , <b>2021</b> ,	5.1	4
39	Detection of Cell Viability via Fluorescence Labeling of Silicate Phosphor with a Low-Temperature Superlong Persistent Luminescence.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2610-2616	4.1	3
38	Simultaneous phase and morphology control of Ba <sub>2</sub> YbF <sub>7</sub> : Er <sup>3+</sup> upconversion nanocrystals through La <sub>3+</sub> doping. <i>Materials Research Bulletin</i> , <b>2019</b> , 115, 242-246	5.1	3
37	Effects of copper ions on the near-infrared luminescence in Bi doped silicate glass via copper for sodium ion exchange. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 421, 30-34	3.9	3
36	Ultrahigh photo-stable all-inorganic perovskite nanocrystals and their robust random lasing. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 888-895	5.1	3
35	Perovskite quantum dots growth in situ in transparent medium for short wavelength shielding. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 4150-4158	3.8	3
34	Near infrared light-induced photocurrent in NaYF <sub>4</sub> :Yb <sup>3+</sup> , Er <sup>3+</sup> /WO <sub>2.72</sub> composite film. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 1677-1684	3.8	3
33	Intense single-band red upconversion emission in BiOCl:Er <sup>3+</sup> layered semiconductor via co-doping Ho <sup>3+</sup> . <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 577-583	3.7	3
32	Temperature sensing behavior of Tm <sup>3+</sup> : 1G <sub>4</sub> (a), 1G <sub>4</sub> (b) in oxyfluoride glass ceramics containing BaYb <sub>x</sub> Y <sub>(1-x)</sub> F <sub>5</sub> nanocrystals. <i>Journal of Rare Earths</i> , <b>2020</b> , 38, 356-361	3.7	3
31	The dual-defect passivation role of lithium bromide doping in reducing the nonradiative loss in CsPbX <sub>3</sub> (X = Br and I) quantum dots. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 658-668	6.8	3
30	Optical bandgaps and visible/near-infrared emissions of Bi <sup>n+</sup> -doped (n = 1, 2, and 3) fluoroaluminosilicate glasses via Ag <sup>+</sup> -K <sup>+</sup> ions exchange process. <i>Optical Materials</i> , <b>2021</b> , 112, 110762	3.3	3
29	Thermal engineering of electron-trapping materials for Smart-Write-In Optical data storage. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 129788	14.7	3

28	High-Resolution X-Ray Time-Lapse Imaging from Fluoride Nanocrystals Embedded in Glass Matrix. <i>Advanced Optical Materials</i> , 2102836	8.1	3
27	Highly Sensitive Detection of Amaranth Realized with Upconversion Nanoparticles-Based Solid Sensor. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 127511	3.9	2
26	Ultraviolet C lasing at 263 nm from BaLaF:Yb,Tm upconversion nanocrystal microcavities. <i>Optics Letters</i> , <b>2020</b> , 45, 5986-5989	3	2
25	Enhancing the near-infrared photocatalytic activity and upconversion luminescence of BiOCl:Yb <sup>3+</sup> +Er <sup>3+</sup> nanosheets with polypyrrole in situ modification. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 15251-15262	7.1	2
24	Transparent Medium Embedded with CdS Quantum Dots for X-Ray Imaging. <i>Advanced Optical Materials</i> , 2101607	8.1	2
23	Multimode Highly Tunable Photoluminescence of Eu <sup>3+</sup> Ions Induced by Surface Photovoltage of Bi <sub>9</sub> V <sub>2</sub> O <sub>18</sub> Cl Perovskite Oxochloride Nanosheets and Application for Advanced Anticounterfeiting Agents. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 27811-27819	3.8	2
22	808 nm-excited multiband NIR emission with looping mechanism and intrinsic bistability in Er <sup>3+</sup> singly-doped BiOCl layered semiconductor. <i>Optical Materials</i> , <b>2020</b> , 102, 109806	3.3	2
21	Fingerprint Acquisition: Fingerprint Acquisition Based on Photo-Thermal Coloration of MoO <sub>3</sub> Ceramic upon the Irradiation of Multiband Light outside the Bandgap (Adv. Mater. Technol. 11/2020). <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2070069	6.8	1
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19	Hydrothermal Synthesis Nano FAP : Nd <sup>3+</sup> as Biological Probe with Near-Infrared to Near-Infrared Luminescence <b>2012</b> ,		1
18	Upconversion of Nd <sup>3+</sup> in Nd <sup>3+</sup> -Yb <sup>3+</sup> Co-Doped Transparent Glass Ceramics Embedding Nano Ca <sub>5</sub> (PO <sub>4</sub> ) <sub>3</sub> F Crystals <b>2012</b> ,		1
17	Highly sensitive optical thermometer of Sm <sup>3+</sup> , Mn <sup>4+</sup> activated LaGaO <sub>3</sub> phosphor for the regulated thermal behavior. <i>Journal of the American Ceramic Society</i> , <b>2022</b> , 105, 2804-2812	3.8	1
16	Multi-photon near-infrared emission of Er <sup>3+</sup> ions induced by upconversion self-sensitization of layered polarized Bi <sub>9</sub> V <sub>2</sub> O <sub>18</sub> Cl semiconductor with narrow-band. <i>Journal of Luminescence</i> , <b>2021</b> , 232, 117819	3.8	1
15	Effect of Defect States on the Upconversion Emission Properties in KLu <sub>2</sub> F <sub>7</sub> Nanocrystalline. <i>ECS Journal of Solid State Science and Technology</i> , <b>2016</b> , 5, R137-R141	2	1
14	980 nm-excited multiphoton photocarrier separation process of Yb <sup>3+</sup> ions under internal electric field and its upconverting modification on Eu <sup>3+</sup> ions. <i>Journal of Luminescence</i> , <b>2021</b> , 229, 117710	3.8	1
13	Seed-Assisted Growth of Methylammonium-Free Perovskite for Efficient Inverted Perovskite Solar Cells.. <i>Small Methods</i> , <b>2022</b> , e2200048	12.8	1
12	Preparation and photoluminescence of Cs <sub>4</sub> PbBr <sub>6</sub> perovskite quantum dot embedded in borophosphate glass. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 911, 165004	5.7	1
11	Lead-Free Double Perovskite Cs <sub>2</sub> NaErCl <sub>6</sub> : Li <sup>+</sup> as High-Stability Anodes for Li-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , 4981-4987	6.4	1

10	Modification photon avalanche emission of BiOCl: Er <sup>3+</sup> nanosheets through facile solvent-thermal synthesis. <i>Inorganic Chemistry Communication</i> , <b>2020</b> , 117, 107934	3.1	o
9	Enhancement of green upconversion luminescence of Yb <sup>3+</sup> /Tb <sup>3+</sup> co-doped BiOBr nanosheets and its potential applications in photocatalysis. <i>Journal of Solid State Chemistry</i> , <b>2022</b> , 308, 122897	3.3	o
8	Intense single-band red upconversion luminescence of Er <sup>3+</sup> /Yb <sup>3+</sup> codoped BiOCl nanocrystals via a facile solvothermal strategy. <i>Journal of Solid State Chemistry</i> , <b>2021</b> , 307, 122744	3.3	o
7	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> , <b>2021</b> , 11, 8917-8926	3.7	o
6	The Transformation from Translucent into Transparent Rare Earth Ions Doped Oxyfluoride Glass-Ceramics with Enhanced Luminescence. <i>Advanced Optical Materials</i> , 2102713	8.1	o
5	Stable Single-Mode Lasing from a Hybrid Perovskite Polymer Fiber. <i>Advanced Optical Materials</i> , 2200439	8.1	o
4	Unusual Effect of Cerium Codoping on Stokes and Anti-Stokes Luminescence of BiOCl:Er <sup>3+</sup> Crystal. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-8	1.8	
3	Upconversion emission properties of CeO <sub>2</sub> : Tm <sup>3+</sup> , Yb <sup>3+</sup> inverse opal photonic crystals. <i>Modern Physics Letters B</i> , <b>2014</b> , 28, 1450218	1.6	
2	Response to [Comment on High multi-photon visible upconversion emissions of Er <sup>3+</sup> singly doped BiOCl microcrystals: A photon avalanche of Er <sup>3+</sup> induced by 980 nm excitation [Appl. Phys. Lett. 104, 236101 (2014)]. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 236102	3.4	
1	Internal electric field and oxygen vacancies synergistically enhancing luminescence properties of Eu <sup>3+</sup> -doped bismuth oxychloride microcrystals. <i>Journal of Luminescence</i> , <b>2021</b> , 240, 118454	3.8	