Mingying Peng

List of Publications by Year in Descending Order

205 papers	8,731 citations	52 h-index	85 g-index
207 ext. papers	10,060 ext. citations	5.3 avg, IF	6.53 L-index

#	Paper	IF	Citations
205	Topological control of negatively charged local environments for tuning bismuth NIR luminescence in glass materials. *Journal of Alloys and Compounds*, **2021**, 898, 162884	5.7	0
204	Self-Recoverable Mechanically Induced Instant Luminescence from Cr3+-Doped LiGa5O8. *Advanced Functional Materials*, **2021**, 31, 2010685	15.6	24
203	Enhancement of ultrabroadband Bi NIR emission via fluorination for all wavelength amplification of optical communication. *Journal of the American Ceramic Society*, **2021**, 104, 1309-1317	3.8	1
202	Modulating broadband near infrared emission from Bi doped borate laser glass by codoping nonactive rare earth ions. *Journal of Non-Crystalline Solids*, **2021**, 553, 120477	3.9	2
201	A promising blue-emitting phosphor CaYGaO4:Bi3+ for near-ultraviolet (NUV) pumped white LED application and the emission improvement by Li+ ions. *Journal of Materials Chemistry C*, **2021**, 9, 303-312	7.1	17
200	Regulating the Bi NIR luminescence behaviours in fluorine and nitrogen co-doped germanate glasses. *Materials Advances*, **2021**, 2, 4743-4751	3.3	1
199	Deep red SrLaGa3O7:Mn4+ for near ultraviolet excitation of white light LEDs. *Journal of Materials Chemistry C*, **2021**, 9, 3969-3977	7.1	18
198	Origin of D-band emission in a novel Bi3+-doped phosphor La3SnGa5O14:Bi3+. *Journal of Materials Chemistry C*, **2021**, 9, 3455-3461	7.1	7
197	A Honeycomb-Like Bismuth/Manganese Oxide Nanoparticle with Mutual Reinforcement of Internal and External Response for Triple-Negative Breast Cancer Targeted Therapy. *Advanced Healthcare Materials*, **2021**, 10, e2100518	10.1	5
196	Visible and Near-Infrared Emission in BaScO:Bi Phosphor: An Investigation on Bismuth Valence Modification. *Inorganic Chemistry*, **2021**, 60, 13510-13516	5.1	3
195	Tunable broadband near-infrared luminescence in glass realized by defect-engineering. *Optics Express*, **2021**, 29, 32149-32157	3.3	
194	Rechargeable and sunlight-activated Sr3Y2Ge3O12:Bi3+ UV□Visible-NIR persistent luminescence material for night-vision signage and optical information storage. *Chemical Engineering Journal*, **2021**, 421, 127820	14.7	12
193	Bismuth activated blue phosphor with high absorption efficiency for white LEDs. *Journal of Alloys and Compounds*, **2021**, 885, 160960	5.7	4
192	Sr3Y(BO3)3:Bi3+ phosphor with excellent thermal stability and color tunability for near-ultraviolet white-light LEDs. *Journal of Materials Chemistry C*, **2021**, 9, 3672-3681	7.1	13
191	Near-infrared mechanoluminescence crystals: a review. *IScience*, **2021**, 24, 101944	6.1	12
190	Tailoring Cluster Configurations Enables Tunable Broad-Band Luminescence in Glass. *Chemistry of Materials*, **2020**, 32, 8653-8661	9.6	3
189	Near-infrared persistent phosphors: Synthesis, design, and applications. *Chemical Engineering Journal*, **2020**, 399, 125688	14.7	31

188	Unusual concentration induced antithermal quenching of the Eu2+ emission at 490 nm in Sr4Al14O25:Eu2+ for near ultraviolet excited white LEDs. *Journal of the American Ceramic Society*, **2020**, 103, 5758-5768	3.8	7
187	Tunable photoluminescence from YTaO4:Bi3+ for ultraviolet converted pc-WLED with high chromatic stability. *Journal of Materials Chemistry C*, **2020**, 8, 6079-6085	7.1	27
186	Palladium speciation in UV-transparent glasses. *Journal of the American Ceramic Society*, **2020**, 103, 4214-4223	3.8	3
185	Force-induced 1540 nm luminescence: Role of piezotronic effect in energy transfer process for mechanoluminescence. *Nano Energy*, **2020**, 69, 104413	17.1	19
184	Recent Advances in Super Broad Infrared Luminescence Bismuth-Doped Crystals. *IScience*, **2020**, 23, 101578	5.8	19
183	Bismuth activated high thermal stability blue-emitting phosphor Na2Y2B2O7:Bi used for near-UV white-light LEDs. *Journal of Materials Chemistry C*, **2020**, 8, 16584-16592	7.1	27
182	D2h-Symmetric Tetratellurium Clusters in Silicate Glass as a Broadband NIR Light Source for Spectroscopy Applications. *ACS Applied Materials & Interfaces*, **2020**, 12, 51628-51636	9.5	1
181	Self-activated persistent luminescence from Ba2Zr2Si3O12 for information storage. *Journal of the American Ceramic Society*, **2020**, 103, 6922-6931	3.8	14
180	Discovery of a novel rare-earth free narrow-band blue-emitting phosphor Y3Al2Ga3O12:Bi3+ with strong NUV excitation for LCD LED backlights. *Journal of Materials Chemistry C*, **2020**, 8, 13668-13675	7.1	18
179	Cr3+-Free near-infrared persistent luminescence material LiGaO2:Fe3+: optical properties, afterglow mechanism and potential bioimaging. *Journal of Materials Chemistry C*, **2020**, 8, 14100-14108	7.1	10
178	Ultraviolet-A Persistent Luminescence of a Bi-Activated LiScGeO Material. *Inorganic Chemistry*, **2020**, 59, 12920-12927	5.1	24
177	Highly thermal-sensitive robust LaTiSbO6:Mn4+ with a single-band emission and its topological architecture for single/dual-mode optical thermometry. *Chemical Engineering Journal*, **2020**, 384, 123272	14.7	24
176	Visible to Near-Infrared Persistent Luminescence and Mechanoluminescence from Pr3+-Doped LiGa5O8 for Energy Storage and Bioimaging. *Advanced Optical Materials*, **2019**, 7, 1901107	8.1	50
175	Boosting the branching ratio at 900 nm in Nd3+ doped germanophosphate glasses by crystal field strength and structural engineering for efficient blue fiber lasers. *Journal of Materials Chemistry C*, **2019**, 7, 11824-11833	7.1	8
174	Broadband NIR emission from multiple Bi centers in nitridated borogermanate glasses via tailoring local glass structure. *Journal of Materials Chemistry C*, **2019**, 7, 2076-2084	7.1	19
173	Selective self-redox and crystal field modulation for enhanced and tuned broadband emission in chromium-doped aluminate glasses. *Journal of Materials Chemistry C*, **2019**, 7, 5401-5409	7.1	2
172	Significantly conquering moisture-induced luminescence quenching of red line-emitting phosphor Rb2SnF6:Mn4+ through H2C2O4 triggered particle surface reduction for blue converted warm white light-emitting diodes. *Journal of Materials Chemistry C*, **2019**, 7, 247-255	7.1	40
171	Ultralong tumor retention of theranostic nanoparticles with short peptide-enabled active tumor homing. *Materials Horizons*, **2019**, 6, 1845-1853	14.4	17

170	(INVITED) Recent advances in ultraviolet persistent phosphors. *Optical Materials: X*, **2019**, 2, 100022	1.7	19
169	Visible to near-infrared persistent luminescence from Tm3+-doped two-dimensional layered perovskite Sr2SnO4. *Journal of Materials Chemistry C*, **2019**, 7, 8303-8309	7.1	31
168	Near infrared mechanoluminescence from the Nd3+ doped perovskite LiNbO3:Nd3+ for stress sensors. *Journal of Materials Chemistry C*, **2019**, 7, 6301-6307	7.1	28
167	Epitaxial growth via anti-solvent-induced deposition towards a highly efficient and stable Mn4+ doped fluoride red phosphor for application in warm WLEDs. *Journal of Materials Chemistry C*, **2019**, 7, 6077-6084	7.1	31
166	Near infrared mechanoluminescence from Sr3Sn2O7: Nd3+ for in situ biomechanical sensor and dynamic pressure mapping. *Journal of the American Ceramic Society*, **2019**, 102, 5899-5909	3.8	17
165	Suppressing the thermal degradation of bismuth near-infrared luminescence in optical amorphous materials via topologically polymerized network structures. *Journal of Materials Chemistry C*, **2019**, 7, 5074-5083	7.1	3
164	Abnormal NIR photoemission from bismuth doped germanophosphate photonic glasses. *Journal of Materials Chemistry C*, **2019**, 7, 3218-3225	7.1	4
163	Quantitative prediction of the structure and properties of Li2O–Ta2O5–SiO2 glasses via phase diagram approach. *Journal of the American Ceramic Society*, **2019**, 102, 185-194	3.8	3
162	Synthesis and photoluminescence properties of a novel red phosphor SrLaGaO4:Mn4+. *Journal of the American Ceramic Society*, **2019**, 102, 1269-1276	3.8	27
161	Novel bismuth activated blue-emitting phosphor Ba2Y5B5O17:Bi3+ with strong NUV excitation for WLEDs. *Journal of Materials Chemistry C*, **2019**, 7, 11227-11233	7.1	33
160	Temperature dependent energy transfer in Bi/Er codoped barium gallogermanate glasses for tunable and broadband NIR emission. *Journal of Materials Chemistry C*, **2019**, 7, 10544-10550	7.1	7
159	Visualizing Dynamic Performance of Lipid Droplets in a Parkinson's Disease Model via a Smart Photostable Aggregation-Induced Emission Probe. *IScience*, **2019**, 21, 261-272	6.1	10
158	915 nm all-fiber laser based on novel Nd-doped high alumina and yttria glass @ silica glass hybrid fiber for the pure blue fiber laser. *Optics Letters*, **2019**, 44, 2153-2156	3	17
157	Ultra-broadband red to NIR photoemission from multiple bismuth centers in SrBOCl:Bi crystal. *Optics Letters*, **2019**, 44, 4821-4824	3	7
156	In situ instant generation of an ultrabroadband near-infrared emission center in bismuth-doped borosilicate glasses via a femtosecond laser. *Photonics Research*, **2019**, 7, 300	6	17
155	Thermal quenching of Mn4+ luminescence in SrAl12O19:Mn4+. *Journal of Luminescence*, **2019**, 206, 84-90	3.8	31
154	The electronic and optical properties of a narrow-band red-emitting nanophosphor K2NaGaF6:Mn4+ for warm white light-emitting diodes. *Journal of Materials Chemistry C*, **2018**, 6, 3016-3025	7.1	65
153	CaZnOS:Nd Emits Tissue-Penetrating near-Infrared Light upon Force Loading. *ACS Applied Materials & Interfaces*, **2018**, 10, 14509-14516	9.5	45

152	Instant precipitation of KMgF3:Ni2+ nanocrystals with broad emission (1.3-2.2 μm) for potential combustion gas sensors. *Journal of the American Ceramic Society*, **2018**, 101, 3890-3899	3.8	19
151	Cancer Nanotheranostics: Actively Targeted Deep Tissue Imaging and Photothermal-Chemo Therapy of Breast Cancer by Antibody-Functionalized Drug-Loaded X-Ray-Responsive Bismuth Sulfide@Mesoporous Silica Core–Shell Nanoparticles (Adv. Funct. Mater. 5/2018). *Advanced Functional Materials*, **2018**, 28, 1870034	15.6	2
150	The origin of the heterogeneous distribution of bismuth in aluminosilicate laser glasses. *Journal of the American Ceramic Society*, **2018**, 101, 2921-2929	3.8	8
149	Composite film with anisotropically enhanced optical nonlinearity for a pulse-width tunable fiber laser. *Journal of Materials Chemistry C*, **2018**, 6, 1126-1135	7.1	12
148	Tunable luminescence from bismuth-doped phosphate laser glass by engineering photonic glass structure. *Journal of the American Ceramic Society*, **2018**, 101, 1916-1922	3.8	15
147	Ultra-compact all-fiber narrow-linewidth single-frequency blue laser at 489 nm. *Journal of Optics (United Kingdom)*, **2018**, 20, 025803	1.7	2
146	New strategy to enhance the broadband near-infrared emission of bismuth-doped laser glasses. *Journal of the American Ceramic Society*, **2018**, 101, 2297-2304	3.8	12
145	Creating and stabilizing Bi NIR-emitting centers in low Bi content materials by topo-chemical reduction and tailoring of the local glass structure. *Journal of Materials Chemistry C*, **2018**, 6, 5384-5390	7.1	33
144	Redefinition of Crystal Structure and Bi Yellow Luminescence with Strong Near-Ultraviolet Excitation in LaBWO:Bi Phosphor for White Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 13660-13668	9.5	100
143	Predictable tendency of Bi NIR emission in Bi-doped magnesium aluminosilicate laser glasses. *Journal of the American Ceramic Society*, **2018**, 101, 1159-1168	3.8	8
142	Manipulating Bi NIR emission by adjusting optical basicity, boron and aluminum coordination in borate laser glasses. *Journal of the American Ceramic Society*, **2018**, 101, 624-633	3.8	16
141	Distribution and stabilization of bismuth NIR centers in Bi-doped aluminosilicate laser glasses by managing glass network structure. *Journal of Materials Chemistry C*, **2018**, 6, 7814-7821	7.1	11
140	Noise-sidebands-free and ultra-low-RIN 15 μm single-frequency fiber laser towards coherent optical detection. *Photonics Research*, **2018**, 6, 326	6	16
139	Near quantum-noise limited and absolute frequency stabilized 1083 nm single-frequency fiber laser. *Optics Letters*, **2018**, 43, 42-45	3	3
138	Topological tailoring of structure and defects to enhance red to near-infrared afterglow from Mn2+-doped germanate photonic glasses. *Journal of Materials Chemistry C*, **2018**, 6, 11525-11535	7.1	15
137	Enhancing Osteosarcoma Killing and CT Imaging Using Ultrahigh Drug Loading and NIR-Responsive Bismuth Sulfide@Mesoporous Silica Nanoparticles. *Advanced Healthcare Materials*, **2018**, 7, e1800602	10.1	51
136	Site Occupation of Eu in BaSr SiO (x = 0-1.9) and Origin of Improved Luminescence Thermal Stability in the Intermediate Composition. *Inorganic Chemistry*, **2018**, 57, 7090-7096	5.1	32
135	Multi-functional bismuth-doped bioglasses: combining bioactivity and photothermal response for bone tumor treatment and tissue repair. *Light: Science and Applications*, **2018**, 7, 1	16.7	191

134	Unusual thermal response of tellurium near-infrared luminescence in phosphate laser glass. *Optics Letters*, **2018**, 43, 4823-4826	3	5
133	Actively Targeted Deep Tissue Imaging and Photothermal-Chemo Therapy of Breast Cancer by Antibody-Functionalized Drug-Loaded X-Ray-Responsive Bismuth Sulfide@Mesoporous Silica Core-Shell Nanoparticles. *Advanced Functional Materials*, **2018**, 28, 1704623	15.6	97
132	Mn-Doped Heterodialkaline Fluorogermanate Red Phosphor with High Quantum Yield and Spectral Luminous Efficacy for Warm-White-Light-Emitting Device Application. *Inorganic Chemistry*, **2018**, 57, 14705-14714	5.1	29
131	Glass-forming region and enhanced Bi NIR emission in sodium tantalum silicate laser glass. *Journal of the American Ceramic Society*, **2018**, 102, 2522	3.8	1
130	Enhanced NIR photoemission from Bi-doped aluminoborate glasses via topological tailoring of glass structure. *Journal of the American Ceramic Society*, **2018**, 102, 1710	3.8	6
129	Ultrabroad Photoemission from an Amorphous Solid by Topochemical Reduction. *Advanced Optical Materials*, **2018**, 6, 1801059	8.1	23
128	Photoemission from Bi-doped calcium aluminate glasses similar to sunlight. *Journal of the American Ceramic Society*, **2018**, 102, 2542	3.8	0
127	Tunable trap depth for persistent luminescence by cationic substitution in Pr3+:K1−xNaxNbO3 perovskites. *Journal of the American Ceramic Society*, **2018**, 102, 2629	3.8	6
126	Ultrabroadband near-Infrared Photoemission from Bismuth-Centers in Nitridated Oxide Glasses and Optical Fiber. *ACS Photonics*, **2018**, 5, 4393-4401	6.3	31
125	Mechanism for broadening and enhancing Nd3+ emission in zinc aluminophosphate laser glass by addition of Bi2O3. *Journal of the American Ceramic Society*, **2018**, 102, 1694	3.8	9
124	Novel persistent and tribo-luminescence from bismuth ion pairs doped strontium gallate. *Journal of Materials Chemistry C*, **2018**, 6, 10367-10375	7.1	39
123	Highly Efficient and Thermally Stable KAlF:Mn as a Red Phosphor for Ultra-High-Performance Warm White Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2017**, 9, 8805-8812	9.5	203
122	Compact passively Q-switched single-frequency Er3+/Yb3+codoped phosphate fiber laser. *Applied Physics Express*, **2017**, 10, 052502	2.4	8
121	The role of oxygen defects in a bismuth doped ScVO4 matrix: tuning luminescence by hydrogen treatment. *Journal of Materials Chemistry C*, **2017**, 5, 314-321	7.1	12
120	Emission color tuning through manipulating the energy transfer from VO43− to Eu3+ in single-phased LuVO4:Eu3+ phosphors. *Journal of Materials Chemistry C*, **2017**, 5, 390-398	7.1	69
119	Multifunctional CuS Hollow Nanopeanuts for Targeted Photothermal Chemotherapy. *Journal of Materials Chemistry B*, **2017**, 5, 6740-6751	7.3	19
118	Site Occupancy Preference and Antithermal Quenching of the Bi Deep Red Emission in □CaPO:Bi. *Inorganic Chemistry*, **2017**, 56, 6499-6506	5.1	37
117	Wavelength-Tunability and Multiband Emission from Single-Site Mn2+ Doped CaO Through Antiferromagnetic Coupling and Tailored Superexchange Reactions. *Advanced Optical Materials*, **2017**, 5, 1700070	8.1	18

116	Novel compositions of Bi2O3-ZnO-TeO2 glasses: Structure and hardness analysis. *Journal of Non-Crystalline Solids*, **2017**, 464, 23-29	3.9	10
115	Toward Bi3+ Red Luminescence with No Visible Reabsorption through Manageable Energy Interaction and Crystal Defect Modulation in Single Bi3+-Doped ZnWO4 Crystal. *Chemistry of Materials*, **2017**, 29, 8412-8424	9.6	119
114	Crystallization kinetics and enhanced Bi NIR luminescence of transparent silicate glass-ceramics containing Sr2YbF7 nanocrystals. *Journal of the American Ceramic Society*, **2017**, 100, 574-582	3.8	8
113	Bismuth-Doped Photonic Materials: Are They Promising Phosphors for WLEDs? **2017**, 421-457		1
112	Self-injection locked and semiconductor amplified ultrashort cavity single-frequency Yb3+-doped phosphate fiber laser at 978 nm. *Optics Express*, **2017**, 25, 1535-1541	3.3	9
111	Frequency noise of distributed Bragg reflector single-frequency fiber laser. *Optics Express*, **2017**, 25, 12601-12610	3.3	8
110	kHz-order linewidth controllable 1550 nm single-frequency fiber laser for coherent optical communication. *Optics Express*, **2017**, 25, 19752-19759	3.3	11
109	A New Red Aluminate Phosphor CaAl12O19 Activated by Bi2+ for White LEDs. *Science of Advanced Materials*, **2017**, 9, 485-489	2.3	9
108	Low Temperature Spectroscopic Properties of Divalent Bismuth Doped Ba2P2O7 for White Light LEDs. *Science of Advanced Materials*, **2017**, 9, 490-494	2.3	3
107	Tailoring super-broad photoluminescence from Eu2+and dual-mode Eu2+/Eu3+-doped alkaline earth aluminoborate glasses through site-similarity and ligand acidity. *Journal of Luminescence*, **2016**, 180, 234-240	3.8	12
106	Tuning Mn4+ Red Photoluminescence in (K,Rb)2Ge4O9:Mn4+ Solid Solutions by Partial Alkali Substitution. *Journal of the American Ceramic Society*, **2016**, 99, 3376-3381	3.8	28
105	Broad-bandwidth near-shot-noise-limited intensity noise suppression of a single-frequency fiber laser. *Optics Letters*, **2016**, 41, 1333-5	3	33
104	Superbroad visible to NIR photoluminescence from Bi+ evidenced in Ba2B5O9Cl: Bi crystal. *Optics Express*, **2016**, 24, 2830-5	3.3	24
103	Hierarchical nickel oxide nanosheet@nanowire arrays on nickel foam: an efficient 3D electrode for methanol electro-oxidation. *Catalysis Science and Technology*, **2016**, 6, 1157-1161	5.5	60
102	1120 nm kHz-linewidth single-polarization single-frequency Yb-doped phosphate fiber laser. *Optics Express*, **2016**, 24, 29794-29799	3.3	16
101	Unusual anti-thermal degradation of bismuth NIR luminescence in bismuth doped lithium tantalum silicate laser glasses. *Optics Express*, **2016**, 24, 18649-54	3.3	9
100	Efficient Enhancement of Bismuth NIR Luminescence by Aluminum and Its Mechanism in Bismuth-Doped Germanate Laser Glass. *Journal of the American Ceramic Society*, **2016**, 99, 2071-2076	3.8	37
99	Prediction on Mn4+-Doped Germanate Red Phosphor by Crystal Field Calculation on Basis of Exchange Charge Model: A Case Study on K2Ge4O9:Mn4+. *Journal of the American Ceramic Society*, **2016**, 99, 2388-2394	3.8	13

98	Synthesis, Structure, and Performance of Efficient Red Phosphor LiNaGe4O9:Mn4+ and Its Application in Warm WLEDs. *Journal of the American Ceramic Society*, **2016**, 99, 2029-2034	3.8	24
97	Long persistent luminescence in Mn^2+-activated sodium gallium germanate glass and glass ceramics induced by infrared femtosecond laser pulses. *Optical Materials Express*, **2016**, 6, 2380	2.6	4
96	Band-Gap Modulation in Single Bi3+-Doped Yttrium Scandium Niobium Vanadates for Color Tuning over the Whole Visible Spectrum. *Chemistry of Materials*, **2016**, 28, 2692-2703	9.6	202
95	Tunable emission color and mixed valence state via the modified activator site in the AlN-doped Sr3SiO5:Eu phosphor. *RSC Advances*, **2016**, 6, 33076-33082	3.7	16
94	Efficient electrochemical water splitting catalyzed by electrodeposited NiFe nanosheets film. *International Journal of Hydrogen Energy*, **2016**, 41, 8785-8792	6.7	46
93	Feature issue introduction: persistent and photostimulable phosphors an established research field with clear challenges ahead. *Optical Materials Express*, **2016**, 6, 1414	2.6	11
92	Thermal degradation of ultrabroad bismuth NIR luminescence in bismuth-doped tantalum germanate laser glasses. *Optics Letters*, **2016**, 41, 1340-3	3	18
91	Topo-Chemical Tailoring of Tellurium Quantum Dot Precipitation from Supercooled Polyphosphates for Broadband Optical Amplification. *Advanced Optical Materials*, **2016**, 4, 1624-1634	8.1	25
90	Recoverable and Unrecoverable Bi3+-Related Photoemissions Induced by Thermal Expansion and Contraction in LuVO4:Bi3+ and ScVO4:Bi3+ Compounds. *Chemistry of Materials*, **2016**, 28, 7807-7815	9.6	100
89	Dual-wavelength passively q-switched single-frequency fiber laser. *Optics Express*, **2016**, 24, 16149-55	3.3	10
88	Mechanoluminescence properties of Mn2+-doped BaZnOS phosphor. *Journal of Materials Chemistry C*, **2016**, 4, 8166-8170	7.1	36
87	Controlling the energy transfer via multi luminescent centers to achieve white light/tunable emissions in a single-phased X2-type Y2SiO5:Eu(3+),Bi(3+) phosphor for ultraviolet converted LEDs. *Inorganic Chemistry*, **2015**, 54, 1462-73	5.1	210
86	Tunable Luminescent Properties and Concentration-Dependent, Site-Preferable Distribution of Eu(2+) Ions in Silicate Glass for White LEDs Applications. *ACS Applied Materials & Interfaces*, **2015**, 7, 10044-54	9.5	169
85	Deep red radioluminescence from a divalent bismuth doped strontium pyrophosphate Sr2P2O7:Bi2+ **2015**,		3
84	Site Occupancy Preference, Enhancement Mechanism, and Thermal Resistance of Mn4+ Red Luminescence in Sr4Al14O25: Mn4+ for Warm WLEDs. *Chemistry of Materials*, **2015**, 27, 2938-2945	9.6	277
83	Red to near infrared ultralong lasting luminescence from Mn2+-doped sodium gallium aluminum germanate glasses and (Al,Ga)-albite glass-ceramics. *Journal of Materials Chemistry C*, **2015**, 3, 3406-3415	7.1	48
82	Homogeneity of bismuth-distribution in bismuth-doped alkali germanate laser glasses towards superbroad fiber amplifiers. *Optics Express*, **2015**, 23, 12423-33	3.3	31
81	In situ growth of nickel selenide nanowire arrays on nickel foil for methanol electro-oxidation in alkaline media. *RSC Advances*, **2015**, 5, 87051-87054	3.7	26

80	Insights into luminescence quenching and detecting trap distribution in Ba2Si5N8:Eu2+ phosphor with comprehensive considerations of temperature-dependent luminescence behaviors. *Journal of Materials Chemistry C*, **2015**, 3, 9572-9579	7.1	40
79	Tailored Near-Infrared Photoemission in Fluoride Perovskites through Activator Aggregation and Super-Exchange between Divalent Manganese Ions. *Advanced Science*, **2015**, 2, 1500089	13.6	57
78	Unusual Concentration Induced Antithermal Quenching of the Bi(2+) Emission from Sr2P2O7:Bi(2.). *Inorganic Chemistry*, **2015**, 54, 6028-34	5.1	38
77	Anti-stokes fluorescent probe with incoherent excitation. *Scientific Reports*, **2014**, 4, 4059	4.9	36
76	Red Photoluminescence from Bi3+ and the Influence of the Oxygen-Vacancy Perturbation in ScVO4: A Combined Experimental and Theoretical Study. *Journal of Physical Chemistry C*, **2014**, 118, 7515-7522	3.8	144
75	A new study on the energy transfer in the color-tunable phosphor CaWO4:Bi. *Dalton Transactions*, **2014**, 43, 277-84	4.3	76
74	Processing-dependence and the nature of the blue-shift of Bi3+-related photoemission in ScVO4 at elevated temperatures. *Journal of Materials Chemistry C*, **2014**, 2, 9850-9857	7.1	47
73	Spectral shifting and NIR down-conversion in Bi3+/Yb3+ co-doped Zn2GeO4. *Journal of Materials Chemistry C*, **2014**, 2, 8083-8088	7.1	39
72	Heavily Eu2O3-doped yttria-aluminoborate glasses for red photoconversion with a high quantum yield: luminescence quenching and statistics of cluster formation. *Journal of Materials Chemistry C*, **2014**, 2, 8678-8682	7.1	64
71	Broadly Tunable Emission from CaMoO4:Bi Phosphor Based on Locally Modifying the Microenvironment Around Bi3+ Ions. *European Journal of Inorganic Chemistry*, **2014**, 2014, 1373-1380	2.3	62
70	Broadly tuning Bi3+ emission via crystal field modulation in solid solution compounds (Y,Lu,Sc)VO4:Bi for ultraviolet converted white LEDs. *Journal of Materials Chemistry C*, **2014**, 2, 6068-6076	7.1	147
69	An introduction to the 2nd International Workshop on Persistent and Photostimulable Phosphors (IWPPP 2013). *Optical Materials*, **2014**, 36, 1769-1770	3.3	6
68	Formation, near-infrared luminescence and multi-wavelength optical amplification of PbS quantum dot-embedded silicate glasses. *Journal of Non-Crystalline Solids*, **2014**, 383, 192-195	3.9	24
67	Abnormal anti-quenching and controllable multi-transitions of Bi3+ luminescence by temperature in a yellow-emitting LuVO4 :Bi3+ phosphor for UV-converted white LEDs. *Chemistry - A European Journal*, **2014**, 20, 11522-30	4.8	131
66	Controllable Synthesis and Peculiar Optical Properties of Lanthanide-Doped Fluoride Nanocrystals. *ChemPlusChem*, **2014**, 79, 601-609	2.8	8
65	Precise frequency shift of NIR luminescence from bismuth-doped Ta2O5□GeO2 glass via composition modulation. *Journal of Materials Chemistry C*, **2014**, 2, 7830	7.1	30
64	Site-specific reduction of Bi3+ to Bi2+ in bismuth-doped over-stoichiometric barium phosphates. *Journal of Materials Chemistry C*, **2013**, 1, 5303	7.1	42
63	Luffa-sponge-like glass-TiO2 composite fibers as efficient photocatalysts for environmental remediation. *ACS Applied Materials & Interfaces*, **2013**, 5, 7527-36	9.5	26

62	Flexible and thermally stable SiO2□TiO2 composite micro fibers with hierarchical nano-heterostructure. *RSC Advances*, **2013**, 3, 20132	3.7	4
61	Orderly-Layered Tetravalent Manganese-Doped Strontium Aluminate Sr4Al14O25:Mn4+: An Efficient Red Phosphor for Warm White Light Emitting Diodes. *Journal of the American Ceramic Society*, **2013**, 96, 2870-2876	3.8	143
60	Low noise single-frequency single-polarization ytterbium-doped phosphate fiber laser at 1083 nm. *Optics Letters*, **2013**, 38, 501-3	3	67
59	2.7 □m emission in Er3+:CaF2 nanocrystals embedded oxyfluoride glass ceramics. *Optics Letters*, **2013**, 38, 3071-4	3	45
58	Temperature dependent red luminescence from a distorted Mn4+ site in CaAl4O7:Mn4+. *Optics Express*, **2013**, 21, 18943-8	3.3	69
57	A femtosecond hybrid mode-locking fiber ring laser at 409 MHz. *Laser Physics Letters*, **2013**, 10, 085104	1.5	5
56	Fabrication of silica nano/micro-fibers doped with one-dimensional assembly of silver nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 325-32	1.3	2
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54	An investigation of the optical properties of Tb3+-doped phosphate glasses for green fiber laser. *Optical Materials*, **2012**, 34, 1202-1207	3.3	53
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