Mingying Peng

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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	The reduction of Eu3+ to Eu2+ in BaMgSiO4:Eu prepared in air and the luminescence of BaMgSiO4:Eu2+ phosphor. *Journal of Materials Chemistry*, **2003**, 13, 1202-1205		288
204	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
203	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
202	Bismuth- and aluminum-codoped germanium oxide glasses for super-broadband optical amplification. *Optics Letters*, **2004**, 29, 1998-2000	3	204
201	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
200	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
199	Study on the reduction of Eu3+-Eu2+ in Sr4Al14O25: Eu prepared in air atmosphere. *Chemical Physics Letters*, **2003**, 371, 1-6	2.5	197
198	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
197	Superbroadband 1310 nm emission from bismuth and tantalum codoped germanium oxide glasses. *Optics Letters*, **2005**, 30, 2433-5	3	184
196	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
195	Reduction from Eu3+ to Eu2+ in BaAl2O4:Eu phosphor prepared in an oxidizing atmosphere and luminescent properties of BaAl2O4:Eu. *Journal of Luminescence*, **2007**, 127, 735-740	3.8	152
194	Discussion on the origin of NIR emission from Bi-doped materials. *Journal of Non-Crystalline Solids*, **2011**, 357, 2241-2245	3.9	150
193	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
192	400 mW ultrashort cavity low-noise single-frequency Yb3+-doped phosphate fiber laser. *Optics Letters*, **2011**, 36, 3708-10	3	147
191	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
190	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
189	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

188	Tunable dual-mode photoluminescence from nanocrystalline Eu-doped Li2ZnSiO4 glass ceramic phosphors. *Journal of Materials Chemistry*, **2011**, 21, 3156		125
187	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
186	Origin of broad NIR photoluminescence in bismuthate glass and Bi-doped glasses at room temperature. *Journal of Physics Condensed Matter*, **2009**, 21, 285106	1.8	119
185	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
184	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
183	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
182	Broadband NIR photoluminescence from Bi-doped Ba2P2O7 crystals: insights into the nature of NIR-emitting Bismuth centers. *Optics Express*, **2010**, 18, 12852-63	3.3	93
181	Photoluminescence of Sr(2)P(2)O(7):Bi(2+) as a red phosphor for additive light generation. *Optics Letters*, **2010**, 35, 2544-6	3	93
180	Investigations on bismuth and aluminum co-doped germanium oxide glasses for ultra-broadband optical amplification. *Journal of Non-Crystalline Solids*, **2005**, 351, 2388-2393	3.9	91
179	Luminescence from Bi2+-activated alkali earth borophosphates for white LEDs. *Optics Express*, **2009**, 17, 21169-78	3.3	87
178	Broadband infrared luminescence from Li2O-Al2O3-ZnO-SiO2 glasses doped with Bi2O3. *Optics Express*, **2005**, 13, 6892-8	3.3	87
177	High Efficiency Mn4+Doped Sr2MgAl22O36Red Emitting Phosphor for White LED. *ECS Journal of Solid State Science and Technology*, **2012**, 1, R123-R126	2	80
176	Ultrabroad NIR luminescence and energy transfer in Bi and Er/Bi co-doped germanate glasses. *Optics Express*, **2011**, 19, 20799-807	3.3	80
175	Superbroad near-to-mid-infrared luminescence from Bi5(3+) in Bi5(AlCl4)3. *Optics Express*, **2012**, 20, 2562-71	3.3	80
174	Bismuth-doped zinc aluminosilicate glasses and glass-ceramics with ultra-broadband infrared luminescence. *Optical Materials*, **2007**, 29, 556-561	3.3	80
173	Intense red photoluminescence from Mn2+-doped (Na+; Zn2+) sulfophosphate glasses and glass ceramics as LED converters. *Optics Express*, **2010**, 18, 2549-57	3.3	79
172	A new study on the energy transfer in the color-tunable phosphor CaWO4:Bi. *Dalton Transactions*, **2014**, 43, 277-84	4.3	76
171	Bismuth-doped oxide glasses as potential solar spectral converters and concentrators. *Journal of Materials Chemistry*, **2009**, 19, 627-630		73

170	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
169	Temperature dependent red luminescence from a distorted Mn4+ site in CaAl4O7:Mn4+. *Optics Express*, **2013**, 21, 18943-8	3.3	69
168	All-solid bandgap guiding in tellurite-filled silica photonic crystal fibers. *Optics Letters*, **2009**, 34, 1946-8	3	68
167	Low noise single-frequency single-polarization ytterbium-doped phosphate fiber laser at 1083 nm. *Optics Letters*, **2013**, 38, 501-3	3	67
166	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
165	Broadband tunable near-infrared emission of Bi-doped composite germanosilicate glasses. *Journal of Materials Chemistry*, **2012**, 22, 3154		65
164	Bi2+-doped strontium borates for white-light-emitting diodes. *Optics Letters*, **2009**, 34, 2885-7	3	65
163	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
162	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
161	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
160	A new study on bismuth doped oxide glasses. *Optics Express*, **2012**, 20, 15692-702	3.3	58
159	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
158	Generation of Emission Centers for Broadband NIR Luminescence in Bismuthate Glass by Femtosecond Laser Irradiation. *Journal of the American Ceramic Society*, **2009**, 92, 542-544	3.8	57
157	Tuning the Eu luminescence in glass materials synthesized in air by adjusting glass compositions. *Materials Letters*, **2007**, 61, 3608-3611	3.3	56
156	Bismuth-activated luminescent materials for broadband optical amplifier in WDM system. *Journal of Non-Crystalline Solids*, **2008**, 354, 1221-1225	3.9	55
155	An investigation of the optical properties of Tb3+-doped phosphate glasses for green fiber laser. *Optical Materials*, **2012**, 34, 1202-1207	3.3	53
154	Preparation and optical properties of red, green and blue afterglow electrospun nanofibers. *Journal of Materials Chemistry*, **2011**, 21, 2194-2203		53
153	Broadband NIR luminescence from a new bismuth doped Ba2B5O9Cl crystal: evidence for the Bi0 model. *Optics Express*, **2012**, 20, 22569-78	3.3	52

152	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
151	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
150	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
149	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
148	Photoluminescence of Bi(2+)-doped BaSO4 as a red phosphor for white LEDs. *Optics Express*, **2012**, 20 Suppl 6, A977-83	3.3	46
147	Efficient electrochemical water splitting catalyzed by electrodeposited NiFe nanosheets film. *International Journal of Hydrogen Energy*, **2016**, 41, 8785-8792	6.7	46
146	CaZnOS:Nd Emits Tissue-Penetrating near-Infrared Light upon Force Loading. *ACS Applied Materials & Interfaces*, **2018**, 10, 14509-14516	9.5	45
145	Broadband NIR photoluminescence from Ni2+-doped nanocrystalline Ba□l titanate glass ceramics. *Journal of Materials Chemistry*, **2012**, 22, 2582-2588		45
144	2.7 □m emission in Er3+:CaF2 nanocrystals embedded oxyfluoride glass ceramics. *Optics Letters*, **2013**, 38, 3071-4	3	45
143	GeO2: Bi, M (M = Ga, B) glasses with super-wide infrared luminescence. *Chemical Physics Letters*, **2005**, 403, 410-414	2.5	43
142	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
141	Orange-to-Red Emission from Bi2+and Alkaline Earth Codoped Strontium Borate Phosphors for White Light Emitting Diodes. *Journal of the American Ceramic Society*, **2010**, 93, 1437	3.8	41
140	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
139	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
138	Spectral shifting and NIR down-conversion in Bi3+/Yb3+ co-doped Zn2GeO4. *Journal of Materials Chemistry C*, **2014**, 2, 8083-8088	7.1	39
137	Novel persistent and tribo-luminescence from bismuth ion pairs doped strontium gallate. *Journal of Materials Chemistry C*, **2018**, 6, 10367-10375	7.1	39
136	Unusual Concentration Induced Antithermal Quenching of the Bi(2+) Emission from Sr2P2O7:Bi(2.). *Inorganic Chemistry*, **2015**, 54, 6028-34	5.1	38
135	Broadband near-infrared luminescence and tunable optical amplification around 1.55 □m and 1.33 □m of PbS quantum dots in glasses. *Journal of Alloys and Compounds*, **2011**, 509, 9335-9339	5.7	38

134	Novel Bi-doped glasses for broadband optical amplification. *Journal of Non-Crystalline Solids*, **2008**, 354, 1235-1239	3.9	38
133	Site Occupancy Preference and Antithermal Quenching of the Bi Deep Red Emission in □CaPO:Bi. *Inorganic Chemistry*, **2017**, 56, 6499-6506	5.1	37
132	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
131	Anti-stokes fluorescent probe with incoherent excitation. *Scientific Reports*, **2014**, 4, 4059	4.9	36
130	Synthesis and optical properties of chromium-doped spinel hollow nanofibers by single-nozzle electrospinning. *RSC Advances*, **2012**, 2, 2773	3.7	36
129	Mechanoluminescence properties of Mn2+-doped BaZnOS phosphor. *Journal of Materials Chemistry C*, **2016**, 4, 8166-8170	7.1	36
128	Temperature dependence and quantum efficiency of ultrabroad NIR photoluminescence from Ni2+ centers in nanocrystalline Ba-Al titanate glass ceramics. *Optics Letters*, **2012**, 37, 1166-8	3	35
127	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
126	Broad-bandwidth near-shot-noise-limited intensity noise suppression of a single-frequency fiber laser. *Optics Letters*, **2016**, 41, 1333-5	3	33
125	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
124	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
123	Mixed Network Effect of Broadband Near-Infrared Emission in Bi-Doped B2O3-GeO2 Glasses. *Journal of the American Ceramic Society*, **2012**, 95, 3842-3846	3.8	32
122	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
121	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
120	Homogeneity of bismuth-distribution in bismuth-doped alkali germanate laser glasses towards superbroad fiber amplifiers. *Optics Express*, **2015**, 23, 12423-33	3.3	31
119	Near-infrared persistent phosphors: Synthesis, design, and applications. *Chemical Engineering Journal*, **2020**, 399, 125688	14.7	31
118	Thermal quenching of Mn4+ luminescence in SrAl12O19:Mn4+. *Journal of Luminescence*, **2019**, 206, 84-90	3.8	31
117	Ultrabroadband near-Infrared Photoemission from Bismuth-Centers in Nitridated Oxide Glasses and Optical Fiber. *ACS Photonics*, **2018**, 5, 4393-4401	6.3	31

116	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
115	Transparent Ni2+-doped ZnO□Al2O3□SiO2 system glass-ceramics with broadband infrared luminescence. *Materials Research Bulletin*, **2007**, 42, 762-768	5.1	30
114	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
113	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
112	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
111	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
110	Synthesis and photoluminescence properties of a novel red phosphor SrLaGaO4:Mn4+. *Journal of the American Ceramic Society*, **2019**, 102, 1269-1276	3.8	27
109	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
108	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
107	Luffa-sponge-like glass-TiO2 composite fibers as efficient photocatalysts for environmental remediation. *ACS Applied Materials & Interfaces*, **2013**, 5, 7527-36	9.5	26
106	Broadband UV-to-green photoconversion in V-doped lithium zinc silicate glasses and glass ceramics. *Optics Express*, **2011**, 19 Suppl 3, A312-8	3.3	26
105	Morphology and phase control of fluorides nanocrystals activated by lanthanides with two-model luminescence properties. *Nanoscale*, **2012**, 4, 4658-66	7.7	25
104	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
103	Superbroad visible to NIR photoluminescence from Bi+ evidenced in Ba2B5O9Cl: Bi crystal. *Optics Express*, **2016**, 24, 2830-5	3.3	24
102	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
101	Observation of Eu3+ -jEu2+ in barium hexa-aluminates with □ or □alumina structures prepared in air. *Optical Materials*, **2004**, 27, 591-595	3.3	24
100	Ultraviolet-A Persistent Luminescence of a Bi-Activated LiScGeO Material. *Inorganic Chemistry*, **2020**, 59, 12920-12927	5.1	24
99	Self-Recoverable Mechanically Induced Instant Luminescence from Cr3+-Doped LiGa5O8. *Advanced Functional Materials*, **2021**, 31, 2010685	15.6	24

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	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
96	Excitation wavelength-dependent near-infrared luminescence from Bi-doped silica glass. *Journal of Alloys and Compounds*, **2012**, 531, 10-13	5.7	23
95	Ultrabroad Photoemission from an Amorphous Solid by Topochemical Reduction. *Advanced Optical Materials*, **2018**, 6, 1801059	8.1	23
94	Comparative investigation on the spectroscopic properties of Pr□+-doped boro-phosphate, boro-germo-silicate and tellurite glasses. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 93, 223-7	4.4	21
93	Superbroad near to mid infrared luminescence from closo-deltahedral Bi5(3+) cluster in Bi5(GaCl4)3. *Optics Express*, **2012**, 20, 18505-14	3.3	20
92	Compact all-fiber ring femtosecond laser with high fundamental repetition rate. *Optics Express*, **2012**, 20, 24607-13	3.3	20
91	Multifunctional CuS Hollow Nanopeanuts for Targeted Photothermal Chemotherapy. *Journal of Materials Chemistry B*, **2017**, 5, 6740-6751	7.3	19
90	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
89	(INVITED) Recent advances in ultraviolet persistent phosphors. *Optical Materials: X*, **2019**, 2, 100022	1.7	19
88	Instant precipitation of KMgF3:Ni2+ nanocrystals with broad emission (1.3-2.2□m) for potential combustion gas sensors. *Journal of the American Ceramic Society*, **2018**, 101, 3890-3899	3.8	19
87	Force-induced 1540□nm luminescence: Role of piezotronic effect in energy transfer process for mechanoluminescence. *Nano Energy*, **2020**, 69, 104413	17.1	19
86	Recent Advances in Super Broad Infrared Luminescence Bismuth-Doped Crystals. *IScience*, **2020**, 23, 101578	5.8	19
85	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
84	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
83	Thermal degradation of ultrabroad bismuth NIR luminescence in bismuth-doped tantalum germanate laser glasses. *Optics Letters*, **2016**, 41, 1340-3	3	18
82	Deep red SrLaGa3O7:Mn4+ for near ultraviolet excitation of white light LEDs. *Journal of Materials Chemistry C*, **2021**, 9, 3969-3977	7.1	18
81	Ultralong tumor retention of theranostic nanoparticles with short peptide-enabled active tumor homing. *Materials Horizons*, **2019**, 6, 1845-1853	14.4	17

80	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
79	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
78	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
77	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
76	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
75	Noise-sidebands-free and ultra-low-RIN 15 □h single-frequency fiber laser towards coherent optical detection. *Photonics Research*, **2018**, 6, 326	6	16
74	Controllable fabrication and broadband near-infrared luminescence of various Ni2+-activated ZnAl2O4 nanostructures by a single-nozzle electrospinning technique. *Physical Chemistry Chemical Physics*, **2012**, 14, 13594-600	3.6	16
73	1120 nm kHz-linewidth single-polarization single-frequency Yb-doped phosphate fiber laser. *Optics Express*, **2016**, 24, 29794-29799	3.3	16
72	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
71	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
70	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
69	Self-activated persistent luminescence from Ba2Zr2Si3O12 for information storage. *Journal of the American Ceramic Society*, **2020**, 103, 6922-6931	3.8	14
68	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
67	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
66	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
65	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
64	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
63	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

62	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
61	Near-infrared mechanoluminescence crystals: a review. *IScience*, **2021**, 24, 101944	6.1	12
60	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
59	kHz-order linewidth controllable 1550 nm single-frequency fiber laser for coherent optical communication. *Optics Express*, **2017**, 25, 19752-19759	3.3	11
58	Feature issue introduction: persistent and photostimulable phosphors □an established research field with clear challenges ahead. *Optical Materials Express*, **2016**, 6, 1414	2.6	11
57	Novel compositions of Bi2O3-ZnO-TeO2 glasses: Structure and hardness analysis. *Journal of Non-Crystalline Solids*, **2017**, 464, 23-29	3.9	10
56	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
55	Spectroscopic properties of Sm3+-doped phosphate glasses. *Journal of Materials Research*, **2012**, 27, 2111-2115	2.5	10
54	Comment on □Enhanced room-temperature emission in Cr4+ ions containing alumino-silicate glasses□[Appl. Phys. Lett. 82, 4035 (2003)]. *Applied Physics Letters*, **2005**, 87, 066103	3.4	10
53	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
52	Dual-wavelength passively q-switched single-frequency fiber laser. *Optics Express*, **2016**, 24, 16149-55	3.3	10
51	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
50	A New Red Aluminate Phosphor CaAl12O19 Activated by Bi2+ for White LEDs. *Science of Advanced Materials*, **2017**, 9, 485-489	2.3	9
49	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
48	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
47	Compact passively Q-switched single-frequency Er3+/Yb3+codoped phosphate fiber laser. *Applied Physics Express*, **2017**, 10, 052502	2.4	8
46	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
45	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

44	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
43	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
42	Frequency noise of distributed Bragg reflector single-frequency fiber laser. *Optics Express*, **2017**, 25, 12601-12610	3.3	8
41	Controllable Synthesis and Peculiar Optical Properties of Lanthanide-Doped Fluoride Nanocrystals. *ChemPlusChem*, **2014**, 79, 601-609	2.8	8
40	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
39	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
38	Fluorescence properties and laser demonstrations of Nd-doped high silica glasses prepared by sintering nanoporous glass. *Journal of Non-Crystalline Solids*, **2008**, 354, 1226-1229	3.9	7
37	Ultra-broadband red to NIR photoemission from multiple bismuth centers in SrBOCl:Bi crystal. *Optics Letters*, **2019**, 44, 4821-4824	3	7
36	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
35	An introduction to the 2nd International Workshop on Persistent and Photostimulable Phosphors (IWPPP 2013). *Optical Materials*, **2014**, 36, 1769-1770	3.3	6
34	Microstructural modification of chalcogenide glasses by femtosecond laser. *Journal of Non-Crystalline Solids*, **2011**, 357, 2392-2395	3.9	6
33	Recent Advances in Mechanoluminescence of Doped Zinc Sulfides. *Laser and Photonics Reviews*,21002768.3		6
32	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
31	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
30	A femtosecond hybrid mode-locking fiber ring laser at 409 MHz. *Laser Physics Letters*, **2013**, 10, 085104	1.5	5
29	Unusual thermal response of tellurium near-infrared luminescence in phosphate laser glass. *Optics Letters*, **2018**, 43, 4823-4826	3	5
28	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
27	Abnormal NIR photoemission from bismuth doped germanophosphate photonic glasses. *Journal of Materials Chemistry C*, **2019**, 7, 3218-3225	7.1	4

26	Flexible and thermally stable SiO2TiO2 composite micro fibers with hierarchical nano-heterostructure. *RSC Advances*, **2013**, 3, 20132	3.7	4
25	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
24	Bismuth activated blue phosphor with high absorption efficiency for white LEDs. *Journal of Alloys and Compounds*, **2021**, 885, 160960	5.7	4
23	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
22	Deep red radioluminescence from a divalent bismuth doped strontium pyrophosphate Sr2P2O7:Bi2+ **2015**,		3
21	Tailoring Cluster Configurations Enables Tunable Broad-Band Luminescence in Glass. *Chemistry of Materials*, **2020**, 32, 8653-8661	9.6	3
20	Palladium speciation in UV-transparent glasses. *Journal of the American Ceramic Society*, **2020**, 103, 4214-4223	3.8	3
19	Near quantum-noise limited and absolute frequency stabilized 1083 nm single-frequency fiber laser. *Optics Letters*, **2018**, 43, 42-45	3	3
18	Quantitative prediction of the structure and properties of Li2OTa2O5SiO2 glasses via phase diagram approach. *Journal of the American Ceramic Society*, **2019**, 102, 185-194	3.8	3
17	All fiber ring bound-soliton laser with a round trip time of 5.7 ns. *Optics Communications*, **2012**, 285, 5449-5451	2	3
16	Low Temperature Spectroscopic Properties of Divalent Bismuth Doped Ba2P2O7 for White Light LEDs. *Science of Advanced Materials*, **2017**, 9, 490-494	2.3	3
15	Defect Enrichment in Near Inverse Spinel Configuration to Enhance the Persistent Luminescence of Fe3+. *Advanced Optical Materials*,2101669	8.1	3
14	Visible and Near-Infrared Emission in BaScO:Bi Phosphor: An Investigation on Bismuth Valence Modification. *Inorganic Chemistry*, **2021**, 60, 13510-13516	5.1	3
13	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
12	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 CoreShell Nanoparticles (Adv. Funct. Mater. 5/2018). *Advanced Functional Materials*, **2018**, 28, 1870034	15.6	2
11	Ultra-compact all-fiber narrow-linewidth single-frequency blue laser at 489 nm. *Journal of Optics (United Kingdom)*, **2018**, 20, 025803	1.7	2
10	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
9	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

8	Bismuth-Doped Photonic Materials: Are They Promising Phosphors for WLEDs? **2017**, 421-457		1
7	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
6	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
5	Regulating the Bi NIR luminescence behaviours in fluorine and nitrogen co-doped germanate glasses. *Materials Advances*, **2021**, 2, 4743-4751	3.3	1
4	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
3	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
2	Photoemission from Bi-doped calcium aluminate glasses similar to sunlight. *Journal of the American Ceramic Society*, **2018**, 102, 2542	3.8	0
1	Tunable broadband near-infrared luminescence in glass realized by defect-engineering. *Optics Express*, **2021**, 29, 32149-32157	3.3	