Jianrong Qiu

List of Publications by Year in Descending Order

192 papers	6,946 citations	42 h-index	76 g-index
203 ext. papers	8,493 ext. citations	9.2 avg, IF	6.38 L-index

#	Paper	IF	Citations
192	Glass-Crystallized Luminescence Translucent Ceramics toward High-Performance Broadband NIR LEDs.. *Advanced Science*, **2022**, e2105713	13.6	7
191	Three-dimensional direct lithography of stable perovskite nanocrystals in glass.. *Science*, **2022**, 375, 307-310	33.9	34
190	Microstructure and Faraday effect of Tb2O3-Al2O3-SiO2-B2O3 glasses for fiber-based magneto-optical applications. *Journal of the American Ceramic Society*, **2022**, 105, 1198	3.8	1
189	Metal Inorganic□Organic Complex Glass and Fiber for Photonic Applications. *Chemistry of Materials*, **2022**, 34, 2476-2483	9.6	3
188	Mechanism of the trivalent lanthanides' persistent luminescence in wide bandgap materials.. *Light: Science and Applications*, **2022**, 11, 51	16.7	9
187	Photon Manipulation of Two-Dimensional Plasmons in Metal Oxide Nanosheets for Surface-Enhanced Spectroscopy and Ultrafast Optical Switching. *Chemistry of Materials*, **2022**, 34, 2804-2812	9.6	1
186	Coupling localized laser writing and nonlocal recrystallization in perovskite crystals for reversible multi-dimensional optical encryption.. *Advanced Materials*, **2022**, e2201413	24	5
185	Nd3+-doped glass-ceramic fiber fabricated by drawing precursor ceramic and successive heat treatment. *Ceramics International*, **2022**,	5.1	1
184	Transition metal ion activated near-infrared luminescent materials. *Progress in Materials Science*, **2022**, 129, 100973	42.2	3
183	Boosting Continuous-Wave Laser-Driven Nonlinear Photothermal white Light Generation by Nanoscale Porosity. *Advanced Materials*, **2021**, e2106368	24	2
182	Enhanced Capture of Broadband Solar-Blind UV Light via Introducing Alkali-Metal Ions (Li + , Na + , and K +) into DC Spectral Converter. *Advanced Optical Materials*, **2021**, 9, 2001703	8.1	1
181	Photonic circuits written by femtosecond laser in glass: improved fabrication and recent progress in photonic devices. *Advanced Photonics*, **2021**, 3,	8.1	17
180	Discovering and Dissecting Mechanically Excited Luminescence of Mn2+ Activators via Matrix Microstructure Evolution. *Advanced Functional Materials*, **2021**, 31, 2100221	15.6	6
179	Manipulating Nonlinear Optical Response via Domain Control in Nanocrystal-in-Glass Composites. *Advanced Materials*, **2021**, 33, e2006482	24	3
178	Self-organized phase-transition lithography for all-inorganic photonic textures. *Light: Science and Applications*, **2021**, 10, 93	16.7	5
177	Plasmonic Saturable Absorbers. *Advanced Photonics Research*, **2021**, 2, 2100003	1.9	4
176	Near-Unity and Zero-Thermal-Quenching Far-Red-Emitting Composite Ceramics via Pressureless Glass Crystallization. *Laser and Photonics Reviews*, **2021**, 15, 2100060	8.3	14

175	Ultrafast Laser Direct Writing in Glass: Thermal Accumulation Engineering and Applications. *Laser and Photonics Reviews*, **2021**, 15, 2000455	8.3	10
174	Linear and nonlinear optical characteristics of CsPbBr3 perovskite quantum dots-doped borosilicate glasses. *Journal of the European Ceramic Society*, **2021**, 41, 729-734	6	12
173	Ultra-long-delay sustainable and short-term-friction stable mechanoluminescence in Mn2+-activated NaCa2GeO4F with centrosymmetric structure. *Chemical Engineering Journal*, **2021**, 406, 126798	14.7	7
172	Enhanced CW Lasing and Q-Switched Pulse Generation Enabled by Tm3+-Doped Glass Ceramic Fibers. *Advanced Optical Materials*, **2021**, 9, 2001774	8.1	7
171	Persistent phosphors **2021**, 127-215		0
170	High-Power Broadband NIR LEDs Enabled by Highly Efficient Blue-to-NIR Conversion. *Advanced Optical Materials*, **2021**, 9, 2001660	8.1	18
169	Luminescent properties of doped amorphous and polycrystalline Y3Al5O12-Al2O3. *Journal of the American Ceramic Society*, **2021**, 104, 3139-3148	3.8	2
168	Ultrafast Laser Inducing Continuous Periodic Crystallization in the Glass Activated via Laser-Prepared Crystallite-Seeds. *Advanced Optical Materials*, **2021**, 9, 2001962	8.1	1
167	Trap Energy Upconversion-Like Near-Infrared to Near-Infrared Light Rejuvenateable Persistent Luminescence. *Advanced Materials*, **2021**, 33, e2008722	24	23
166	Emerging and perspectives in microlasers based on rare-earth ions activated micro-/nanomaterials. *Progress in Materials Science*, **2021**, 121, 100814	42.2	1
165	Defect engineering in lanthanide doped luminescent materials. *Coordination Chemistry Reviews*, **2021**, 448, 214178	23.2	7
164	Synthesis methods **2021**, 31-67		1
163	Nonlinear-Optical Response in Zeolitic Imidazolate Framework Glass. *Inorganic Chemistry*, **2020**, 59, 8380-8386	5.1	13
162	Multimaterial Fiber Detector for Real-Time and Remote X-Ray Monitoring. *Advanced Materials Technologies*, **2020**, 5, 2000302	6.8	3
161	Highly efficient phosphor-glass composites by pressureless sintering. *Nature Communications*, **2020**, 11, 2805	17.4	58
160	Photochemically Derived Plasmonic Semiconductor Nanocrystals as an Optical Switch for Ultrafast Photonics. *Chemistry of Materials*, **2020**, 32, 3180-3187	9.6	12
159	Paradoxical combination of saturable absorption and reverse-saturable absorption in plasmon semiconductor nanocrystals. *Nanoscale Advances*, **2020**, 2, 1676-1684	5.1	3
158	Enhanced 2 μm Mid-Infrared Laser Output from Tm3+-Activated Glass Ceramic Microcavities. *Laser and Photonics Reviews*, **2020**, 14, 1900396	8.3	14

157	Near-infrared laser driven white light continuum generation: materials, photophysical behaviours and applications. *Chemical Society Reviews*, **2020**, 49, 3461-3483	58.5	18
156	Fabricating low loss waveguides over a large depth in glass by temperature gradient assisted femtosecond laser writing. *Optics Letters*, **2020**, 45, 3941-3944	3	16
155	Eu3+-doped AlO(OH) as a spectral converter for broadband solar-blind UV photodetection. *Solar Energy Materials and Solar Cells*, **2020**, 205, 110242	6.4	5
154	Reversible 3D laser printing of perovskite quantum dots inside a transparent medium. *Nature Photonics*, **2020**, 14, 82-88	33.9	168
153	Crystallization-induced valence state change of Mn2+□□Mn4+ in LiNaGe4O9 glass-ceramics. *Journal of the American Ceramic Society*, **2020**, 103, 3051-3059	3.8	7
152	Duel-Responsive Hybrid Nanoparticle with Energy Transfer Modulated Near Infrared Emission. *ChemNanoMat*, **2020**, 6, 285-291	3.5	1
151	Controllable modulation of coordination environments of Mn2+ in glasses and glass-ceramics for tunable luminescence. *Journal of the European Ceramic Society*, **2020**, 40, 1658-1664	6	4
150	3D printing of glass by additive manufacturing techniques: a review. *Frontiers of Optoelectronics*, **2020**, 14, 263	2.8	13
149	Single-molecule photoreaction quantitation through intraparticle-surface energy transfer (i-SET) spectroscopy. *Nature Communications*, **2020**, 11, 4297	17.4	22
148	Broadband Near-Infrared Garnet Phosphors with Near-Unity Internal Quantum Efficiency. *Advanced Optical Materials*, **2020**, 8, 2000296	8.1	74
147	(INVITED) Hybrid glass optical fibers-novel fiber materials for optoelectronic application. *Optical Materials: X*, **2020**, 6, 100051	1.7	7
146	Multistimuli-Responsive Display Materials to Encrypt Differentiated Information in Bright and Dark Fields. *Advanced Functional Materials*, **2019**, 29, 1906068	15.6	44
145	Broadband near-IR photoluminescence in Ni2+ doped gallium silicate glass□eramics. *Journal of Materials Science: Materials in Electronics*, **2019**, 30, 17715-17724	2.1	0
144	Phase-Separation Engineering of Glass for Drastic Enhancement of Upconversion Luminescence. *Advanced Optical Materials*, **2019**, 7, 1801572	8.1	20
143	In vivo clearable inorganic nanophotonic materials: designs, materials and applications. *Nanoscale*, **2019**, 11, 12742-12754	7.7	6
142	Investigation on the formation and regulation of yttrium aluminosilicate fiber driven by spontaneous element migration. *Ceramics International*, **2019**, 45, 19182-19188	5.1	4
141	Two-/multi-wavelength light excitation effects in optical materials: From fundamentals to applications. *Progress in Materials Science*, **2019**, 105, 100568	42.2	10
140	Refractory Plasmonic Metal Nitride Nanoparticles for Broadband Near-Infrared Optical Switches. *Laser and Photonics Reviews*, **2019**, 13, 1900029	8.3	18

139	Enhanced up-conversion luminescence in transparent glass-ceramic containing KErF:Er nanocrystals and its application in temperature detection.. *RSC Advances*, **2019**, 9, 10999-11004	3.7	3
138	Discovery of non-reversible thermally enhanced upconversion luminescence behavior in rare-earth doped nanoparticles. *Journal of Materials Chemistry C*, **2019**, 7, 4336-4343	7.1	16
137	Self-Confined Precipitation of Ultrasmall Plasmonic Cu2−xSe Particles in Transparent Solid Medium. *Journal of Physical Chemistry C*, **2019**, 123, 9394-9399	3.8	4
136	Surface crystallized Mn-doped glass-ceramics for tunable luminescence. *Journal of the American Ceramic Society*, **2019**, 102, 5843-5852	3.8	12
135	Enhanced single-mode fiber laser emission by nano-crystallization of oxyfluoride glass-ceramic cores. *Journal of Materials Chemistry C*, **2019**, 7, 5155-5162	7.1	18
134	Microlaser Output from Rare-Earth Ion-Doped Nanocrystal-in-Glass Microcavities. *Advanced Optical Materials*, **2019**, 7, 1900197	8.1	18
133	Full-Color Chemically Modulated g-C3N4 for White-Light-Emitting Device. *Advanced Optical Materials*, **2019**, 7, 1900775	8.1	15
132	Self-Organized Periodic Crystallization in Unconventional Glass Created by an Ultrafast Laser for Optical Attenuation in the Broadband Near-Infrared Region. *Advanced Optical Materials*, **2019**, 7, 1900593	8.1	14
131	Understanding Near Infrared Laser Driven Continuum White Light Emission by Graphene and Its Mixture with an Oxide Phosphor. *Advanced Optical Materials*, **2019**, 7, 1900899	8.1	6
130	Ultrafast and broadband optical nonlinearity in aluminum doped zinc oxide colloidal nanocrystals. *Nanoscale*, **2019**, 11, 13988-13995	7.7	10
129	Broad Mid-Infrared Luminescence in a Metal-Organic Framework Glass. *ACS Omega*, **2019**, 4, 12081-12087	3.9	20
128	Heavily Doped Semiconductor Colloidal Nanocrystals as Ultra-Broadband Switches for Near-Infrared and Mid-Infrared Pulse Lasers. *ACS Applied Materials & Interfaces*, **2019**, 11, 40416-40423	8.5	6
127	Realizing Visible Light Excitation of Tb3+ via Highly Efficient Energy Transfer from Ce3+ for LED-Based Applications. *Advanced Optical Materials*, **2019**, 7, 1801677	8.1	42
126	Engineering Tunable Broadband Near-Infrared Emission in Transparent Rare-Earth Doped Nanocrystals-in-Glass Composites via a Bottom-Up Strategy. *Advanced Optical Materials*, **2019**, 7, 1801482	8.1	29
125	Transparent glass-ceramics functionalized by dispersed crystals. *Progress in Materials Science*, **2018**, 97, 38-96	42.2	164
124	Effect of ligand field symmetry on upconversion luminescence in heat-treated LaBGeO5:Yb3+, Er3+ glass. *Journal of the American Ceramic Society*, **2018**, 101, 4387-4396	3.8	9
123	Valence state change of europium in barium aluminates glass ceramics fabricated by containerless processing. *Materials Letters*, **2018**, 225, 97-100	3.3	2
122	Upconversion Luminescence from Ln3+(Ho3+,Pr3+) Ion-Doped BaCl2 Particles via NIR Light of Sun Excitation. *Journal of Physical Chemistry C*, **2018**, 122, 9606-9610	3.8	16

121	Probing Interaction Distance of Surface Quenchers in Lanthanide-Doped Upconversion Core–Shell Nanoparticles. *Journal of Physical Chemistry C*, **2018**, 122, 10278-10283	3.8	9
120	Structural variation and near infrared luminescence in Mn5+-doped M2SiO4 (M = Ba, Sr, ca) phosphors by cation substitution. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 6419-6427	2.1	3
119	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
118	Tailorable Upconversion White Light Emission from Pr3+ Single-Doped Glass Ceramics via Simultaneous Dual-Lasers Excitation. *Advanced Optical Materials*, **2018**, 6, 1700787	8.1	42
117	The preparation of Yttrium Aluminosilicate (YAS) Glass Fiber with heavy doping of Tm3+ from Polycrystalline YAG ceramics. *Journal of the American Ceramic Society*, **2018**, 101, 4627-4633	3.8	13
116	Ultrafast saturable absorption in TiS induced by non-equilibrium electrons and the generation of a femtosecond mode-locked laser. *Nanoscale*, **2018**, 10, 9608-9615	7.7	32
115	Understanding differences in Er-Yb codoped glass and glass ceramic based on upconversion luminescence for optical thermometry.. *RSC Advances*, **2018**, 8, 12165-12172	3.7	19
114	A comparative investigation on upconversion luminescence in glass–ceramics containing LaF3 and CaF2 nanocrystals. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 8701-8709	2.1	8
113	Deep-red photoluminescence and long persistent luminescence in double perovstkite-type La2MgGeO6:Mn4+. *Journal of the American Ceramic Society*, **2018**, 101, 1576-1584	3.8	62
112	Pulsed Lasers: An Ultrabroadband Mid-Infrared Pulsed Optical Switch Employing Solution-Processed Bismuth Oxyselenide (Adv. Mater. 31/2018). *Advanced Materials*, **2018**, 30, 1870233	24	1
111	Additive manufacturing of silica glass using laser stereolithography with a top-down approach and fast debinding.. *RSC Advances*, **2018**, 8, 16344-16348	3.7	22
110	A cross-linking strategy with moderated pre-polymerization of resin for stereolithography.. *RSC Advances*, **2018**, 8, 29583-29588	3.7	11
109	Effect of SiO2 on optical properties of bismuth-doped B2O3–GeO2–SiO2 glasses. *Applied Physics B: Lasers and Optics*, **2018**, 124, 1	1.9	2
108	Photoluminescence nonuniformity from self-seeding nuclei in CVD-grown monolayer MoSe. *Nanoscale*, **2018**, 10, 752-757	7.7	16
107	A yttrium aluminosilicate glass fiber with graded refractive index fabricated by melt-in-tube method. *Journal of the American Ceramic Society*, **2018**, 101, 1616-1622	3.8	21
106	Synthesis and phase transformation of NaGdF4:Yb,Er thin films using electro-deposition method at moderate temperatures. *CrystEngComm*, **2018**, 20, 6919-6924	3.3	8
105	Broadly Tunable Plasmons in Doped Oxide Nanoparticles for Ultrafast and Broadband Mid-Infrared All-Optical Switching. *ACS Nano*, **2018**, 12, 12770-12777	16.7	32
104	Scalable In-Fiber Manufacture of Functional Composite Particles. *ACS Nano*, **2018**, 12, 11130-11138	16.7	9

103	Achieving Thermo-Mechano-Opto-Responsive Bitemporal Colorful Luminescence via Multiplexing of Dual Lanthanides in Piezoelectric Particles and its Multidimensional Anticounterfeiting. *Advanced Materials*, **2018**, 30, e1804644	24	113
102	Multi-component yttrium aluminosilicate (YAS) fiber prepared by melt-in-tube method for stable single-frequency laser. *Journal of the American Ceramic Society*, **2018**, 102, 2551	3.8	12
101	3D printing of multicolor luminescent glass.. *RSC Advances*, **2018**, 8, 31564-31567	3.7	20
100	Reverse Saturable Absorption Induced by Phonon-Assisted Anti-Stokes Processes. *Advanced Materials*, **2018**, 30, e1801638	24	39
99	Conversion of constant-wave near-infrared laser to continuum white light by Yb-doped oxides. *Journal of Materials Chemistry C*, **2018**, 6, 7520-7526	7.1	11
98	Ultrafast Nonlinear Optical Response in Plasmonic 2D Molybdenum Oxide Nanosheets for Mode-Locked Pulse Generation. *Advanced Optical Materials*, **2018**, 6, 1700948	8.1	44
97	An Ultrabroadband Mid-Infrared Pulsed Optical Switch Employing Solution-Processed Bismuth Oxyselenide. *Advanced Materials*, **2018**, 30, e1801021	24	68
96	Emerging Low-Dimensional Materials for Nonlinear Optics and Ultrafast Photonics. *Advanced Materials*, **2017**, 29, 1605886	24	184
95	A general strategy for controllable synthesis of Ba3(MO4)2:Mn5+ (M = V, P) nanoparticles. *RSC Advances*, **2017**, 7, 10564-10569	3.7	12
94	A Solution-Processed Ultrafast Optical Switch Based on a Nanostructured Epsilon-Near-Zero Medium. *Advanced Materials*, **2017**, 29, 1700754	24	68
93	Depleted upconversion luminescence in NaYF:Yb,Tm nanoparticles via simultaneous two-wavelength excitation. *Physical Chemistry Chemical Physics*, **2017**, 19, 17756-17764	3.6	28
92	Glass-ceramic optical fiber containing BaTiSiO nanocrystals for frequency conversion of lasers. *Scientific Reports*, **2017**, 7, 44456	4.9	20
91	Structure and optical properties of Er-doped CaO-Al2O3 (Ga2O3) glasses fabricated by aerodynamic levitation. *Journal of the American Ceramic Society*, **2017**, 100, 2852-2858	3.8	12
90	Tunable long persistent luminescence in the second near-infrared window via crystal field control. *Scientific Reports*, **2017**, 7, 12392	4.9	23
89	CaF2:Eu films shine novel blue, white or red luminescence though adjustment of the valence state of Eu ions using the electro-deposition method. *Journal of Materials Chemistry C*, **2017**, 5, 12085-12089	7.1	14
88	Microengineering of Optical Properties of GeO2 Glass by Ultrafast Laser Nanostructuring. *Advanced Optical Materials*, **2017**, 5, 1700342	8.1	15
87	3D Foam Strutted Graphene Carbon Nitride with Highly Stable Optoelectronic Properties. *Advanced Functional Materials*, **2017**, 27, 1703711	15.6	64
86	Integrated Strategy for High Luminescence Intensity of Upconversion Nanocrystals. *ACS Photonics*, **2017**, 4, 1930-1936	6.3	19

85	Understanding Enhanced Upconversion Luminescence in Oxyfluoride Glass-Ceramics Based on Local Structure Characterizations and Molecular Dynamics Simulations. *Journal of Physical Chemistry C*, **2017**, 121, 15384-15391	3.8	42
84	Fast–Slow Red Upconversion Fluorescence Modulation from Ho3+-Doped Glass Ceramics upon Two-Wavelength Excitation. *Advanced Optical Materials*, **2017**, 5, 1600554	8.1	19
83	Broadband NIR photoelectronic performance for sunlight-induced photocurrent from (NaYF4:Yb-Er)/BiOI hybrid films. *Journal of the American Ceramic Society*, **2017**, 100, 697-704	3.8	12
82	Formation, element-migration and broadband luminescence in quantum dot-doped glass fibers. *Optics Express*, **2017**, 25, 19691-19700	3.3	17
81	Universal Near-Infrared and Mid-Infrared Optical Modulation for Ultrafast Pulse Generation Enabled by Colloidal Plasmonic Semiconductor Nanocrystals. *ACS Nano*, **2016**, 10, 9463-9469	16.7	76
80	Mesoscale engineering of photonic glass for tunable luminescence. *NPG Asia Materials*, **2016**, 8, e318-e318	8.3	56
79	Dynamically Tuning the Up-conversion Luminescence of Er(3+)/Yb(3+) Co-doped Sodium Niobate Nano-crystals through Magnetic Field. *Scientific Reports*, **2016**, 6, 31327	4.9	19
78	Controllable Synthesis of Monodisperse Er-Doped Lanthanide Oxyfluorides Nanocrystals with Intense Mid-Infrared Emission. *Scientific Reports*, **2016**, 6, 35348	4.9	7
77	Facile synthesis of two-dimensional WS2 with reverse saturable absorption and nonlinear refraction properties in the PMMA matrix. *Journal of Alloys and Compounds*, **2016**, 684, 224-229	5.7	17
76	Engineering the electronic structure and optical properties of g-C3N4 by non-metal ion doping. *Journal of Materials Chemistry C*, **2016**, 4, 6839-6847	7.1	81
75	Optical temperature sensing with minimized heating effect using core–shell upconversion nanoparticles. *RSC Advances*, **2016**, 6, 21540-21545	3.7	28
74	Long persistent phosphors--from fundamentals to applications. *Chemical Society Reviews*, **2016**, 45, 2090-2136	58.6	664
73	MoS2 nanoflowers as high performance saturable absorbers for an all-fiber passively Q-switched erbium-doped fiber laser. *Nanoscale*, **2016**, 8, 7704-10	7.7	64
72	Femtosecond laser induced phenomena in transparent solid materials: Fundamentals and applications. *Progress in Materials Science*, **2016**, 76, 154-228	42.2	161
71	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
70	Bismuth-Doped Multicomponent Optical Fiber Fabricated by Melt-in-Tube Method. *Journal of the American Ceramic Society*, **2016**, 99, 856-859	3.8	14
69	Controllable Phase Transformation and Mid-infrared Emission from Er(3+)-Doped Hexagonal-/Cubic-NaYF4 Nanocrystals. *Scientific Reports*, **2016**, 6, 29871	4.9	22
68	Heterogeneous-surface-mediated crystallization control. *NPG Asia Materials*, **2016**, 8, e245-e245	10.3	20

67	Cu-Sn-S plasmonic semiconductor nanocrystals for ultrafast photonics. *Nanoscale*, **2016**, 8, 18277-18281	7.7	19
66	Enhanced upconversion emission in crystallization-controllable glass-ceramic fiber containing Yb(3+)-Er(3+) codoped CaF2 nanocrystals. *Nanotechnology*, **2016**, 27, 405203	3.4	14
65	A Universal Photochemical Approach to Ultra-Small, Well-Dispersed Nanoparticle/Reduced Graphene Oxide Hybrids with Enhanced Nonlinear Optical Properties. *Advanced Optical Materials*, **2015**, 3, 836-841	8.1	25
64	Tailoring of the trap distribution and crystal field in Cr3+-doped non-gallate phosphors with near-infrared long-persistence phosphorescence. *NPG Asia Materials*, **2015**, 7, e180-e180	10.3	97
63	Transparent organic/inorganic nanocomposites for tunable full-color upconversion. *Journal of Materials Chemistry C*, **2015**, 3, 9089-9094	7.1	16
62	Folic acid-conjugated chromium(III) doped nanoparticles consisting of mixed oxides of zinc, gallium and tin, and possessing near-infrared and long persistent phosphorescence for targeted imaging of cancer cells. *Mikrochimica Acta*, **2015**, 182, 1827-1834	5.8	18
61	BaCl2:Er3+A High Efficient Upconversion Phosphor for Broadband Near-Infrared Photoresponsive Devices. *Journal of the American Ceramic Society*, **2015**, 98, 2508-2513	3.8	14
60	Improved Up-Conversion Luminescence from Er3+:LaF3 Nanocrystals Embedded in Oxyfluoride Glass Ceramics via Simultaneous Triwavelength Excitation. *Journal of Physical Chemistry C*, **2015**, 119, 24056-24061	3.8	49
59	Coherent modulation of two-photon up-conversion from colloidal quantum dots by femtosecond laser. *RSC Advances*, **2015**, 5, 80998-81002	3.7	1
58	Photochemical synthesis of doped graphene quantum dots and their photoluminescence in aqueous and solid states. *RSC Advances*, **2015**, 5, 84276-84279	3.7	3
57	Simultaneous luminescence modulation and magnetic field detection via magneto-optical response of Eu3+-doped NaGdF4 nanocrystals. *Journal of Materials Chemistry C*, **2015**, 3, 10140-10145	7.1	30
56	Preparation and characterization of flexible and thermally stable CuO nanocrystal-decorated SiO2 nanofibers. *Journal of Sol-Gel Science and Technology*, **2015**, 76, 492-500	2.3	6
55	Near-Infrared Emission and Photon Energy Upconversion of Two-Dimensional Copper Silicates. *Journal of Physical Chemistry C*, **2015**, 119, 20571-20577	3.8	16
54	A novel NIR long phosphorescent phosphor:SrSnO3:Bi2+. *RSC Advances*, **2015**, 5, 101347-101352	3.7	27
53	Flexible Porous SiO2Bi2WO6 Nanofibers Film for Visible-Light Photocatalytic Water Purification. *Journal of the American Ceramic Society*, **2015**, 98, 957-964	3.8	15
52	Intense multiphoton upconversion of Yb3+Tm3+ doped NaYF4 individual nanocrystals by saturation excitation. *Journal of Materials Chemistry C*, **2015**, 3, 364-369	7.1	46
51	Ni(2+) doped glass ceramic fiber fabricated by melt-in-tube method and successive heat treatment. *Optics Express*, **2015**, 23, 28258-63	3.3	34
50	Fabrication and Characterization of Glass-Ceramic Fiber-Containing Cr3+Doped ZnAl2O4 Nanocrystals. *Journal of the American Ceramic Society*, **2015**, 98, 2772-2775	3.8	34

49	Controllable synthesis of Zn2GeO4:Eu nanocrystals with multi-color emission for white light-emitting diodes. *Journal of Materials Chemistry C*, **2015**, 3, 5419-5429	7.1	46
48	Unusual Concentration Induced Antithermal Quenching of the Bi(2+) Emission from Sr2P2O7:Bi(2.). *Inorganic Chemistry*, **2015**, 54, 6028-34	5.1	38
47	Fabrication of the (Y2O3:Yb,Er)/Bi2S3 composite film for near-infrared photoresponse. *Journal of Materials Chemistry A*, **2015**, 3, 5917-5922	13	17
46	Anti-stokes fluorescent probe with incoherent excitation. *Scientific Reports*, **2014**, 4, 4059	4.9	36
45	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	4.8	144
44	Ultrabroadband near-infrared luminescence and efficient energy transfer in Bi and Bi/Ho co-doped thin films. *Journal of Materials Chemistry C*, **2014**, 2, 2482	7.1	26
43	Synthesis of NaYF4:Yb,Tm thin film with strong NIR photon up-conversion photoluminescence using electro-deposition method. *CrystEngComm*, **2014**, 16, 4023-4028	3.3	32
42	Lanthanide doped nanoparticles as remote sensors for magnetic fields. *Nanoscale*, **2014**, 6, 11002-6	7.7	33
41	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
40	Lanthanide-doped NaGdF4 core-shell nanoparticles for non-contact self-referencing temperature sensors. *Nanoscale*, **2014**, 6, 5675-9	7.7	212
39	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
38	Long persistent and photo-stimulated luminescence in Cr3+-doped Zn3Ga2SnO8 phosphors for deep and reproducible tissue imaging. *Journal of Materials Chemistry C*, **2014**, 2, 2657	7.1	182
37	Efficient spectral conversion from visible to near-infrared in transparent glass ceramics containing Ce3+/Yb3+ codoped Y3Al5O12 nanocrystals. *Journal of Materials Chemistry C*, **2014**, 2, 2204-2211	7.1	53
36	Enhanced broadband excited upconversion luminescence in Ho-doped glasses by codoping with bismuth. *Optics Letters*, **2014**, 39, 3022-5	3	16
35	Glass: Topological Engineering of Glass for Modulating Chemical State of Dopants (Adv. Mater. 47/2014). *Advanced Materials*, **2014**, 26, 8068-8068	24	1
34	Wavelength Tailorability of Broadband Near-Infrared Luminescence in Cr4+-Activated Transparent Glass-Ceramics. *Journal of the American Ceramic Society*, **2014**, 97, 3519-3523	3.8	7
33	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
32	A long persistent phosphor based on recombination centers originating from Zn imperfections. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 123, 7-11	4.4	12

31	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
30	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
29	Synthesis and luminescence mechanism of multicolor-emitting g-C3N4 nanopowders by low temperature thermal condensation of melamine. *Scientific Reports*, **2013**, 3, 1943	4.9	329
28	Up-conversion luminescence in LaF3:Ho3+via two-wavelength excitation for use in solar cells. *Journal of Materials Chemistry C*, **2013**, 1, 8023	7.1	60
27	Efficient Dual-Modal NIR-to-NIR Emission of Rare Earth Ions Co-doped Nanocrystals for Biological Fluorescence Imaging. *Journal of Physical Chemistry Letters*, **2013**, 4, 402-8	6.4	74
26	Multifunctional tunable ultra-broadband visible and near-infrared luminescence from bismuth-doped germanate glasses. *Journal of Applied Physics*, **2013**, 113, 083503	2.5	33
25	Self-Limited Nanocrystallization-Mediated Activation of Semiconductor Nanocrystal in an Amorphous Solid. *Advanced Functional Materials*, **2013**, 23, 5436-5443	15.6	61
24	Ultrasensitive polarized up-conversion of Tm(3+)-Yb3+ doped β-NaYF4 single nanorod. *Nano Letters*, **2013**, 13, 2241-6	11.5	124
23	Enhanced broadband near-infrared luminescence in Bi-doped glasses by co-doping with Ag. *Journal of Applied Physics*, **2013**, 113, 183506	2.5	16
22	Do Eu dopants prefer the precipitated LaF3 nanocrystals in glass ceramics?. *Physica Status Solidi - Rapid Research Letters*, **2012**, 6, 487-489	2.5	18
21	Universal Preparation of Novel Metal and Semiconductor Nanoparticle−Glass Composites with Excellent Nonlinear Optical Properties. *Journal of Physical Chemistry C*, **2011**, 115, 24598-24604	3.8	26
20	400 mW ultrashort cavity low-noise single-frequency Yb3+-doped phosphate fiber laser. *Optics Letters*, **2011**, 36, 3708-10	3	147
19	Ultra-Broadband Near-Infrared Luminescence of Ni2+: ZnO−Al2O3−SiO2 Nanocomposite Glasses Prepared by Sol−Gel Method. *Journal of the American Ceramic Society*, **2011**, 94, 2902-2905	3.8	22
18	Ultrafast manipulation of self-assembled form birefringence in glass. *Advanced Materials*, **2010**, 22, 4039-43	24	127
17	Ligand-Driven Wavelength-Tunable and Ultra-Broadband Infrared Luminescence in Single-Ion-Doped Transparent Hybrid Materials. *Advanced Functional Materials*, **2009**, 19, 2081-2088	15.6	120
16	Formation mechanism of self-organized voids in dielectrics induced by tightly focused femtosecond laser pulses. *Applied Physics Letters*, **2008**, 92, 092904	3.4	47
15	Standing electron plasma wave mechanism of void array formation inside glass by femtosecond laser irradiation. *Applied Physics A: Materials Science and Processing*, **2007**, 88, 285-288	2.6	17
14	Self-formation of quasiperiodic void structure in CaF2 induced by femtosecond laser irradiation. *Journal of Applied Physics*, **2007**, 101, 023112	2.5	13

13	Enhanced upconversion luminescence of transparent Eu3+-doped glass-ceramics containing nonlinear optical microcrystals. *Optics Letters*, **2007**, 32, 653-5	3	23
12	Hydrothermal synthesis and luminescence behavior of lanthanide-doped GdF/sub 3/ nanoparticles. *IEEE Nanotechnology Magazine*, **2006**, 5, 123-128	2.6	31
11	Space-Selective Precipitation of Au Nanoparticles Inside Silica Gel. *Journal of Sol-Gel Science and Technology*, **2006**, 37, 5-8	2.3	3
10	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
9	Photoreduction of Ag+ in aluminoborate glasses induced by irradiation of a femtosecond laser. *Journal of Materials Research*, **2005**, 20, 644-648	2.5	7
8	Femtosecond laser-induced microstructures in glasses and applications in micro-optics. *Chemical Record*, **2004**, 4, 50-8	6.6	34
7	Manipulation of gold nanoparticles inside transparent materials. *Angewandte Chemie - International Edition*, **2004**, 43, 2230-4	16.4	159
6	Optical properties of structurally modified glasses doped with gold ions. *Optics Letters*, **2004**, 29, 370-2	3	39
5	Photoinduced formation of colloidal Au by a near-infrared femtosecond laser. *Journal of Materials Research*, **2003**, 18, 1710-1714	2.5	38
4	Laser-controlled precipitation of gold nanoparticles in silicate glasses. *Journal of Materials Research* , **2003**, 18, 2097-2100	2.5	5
3	Long-lasting phosphorescence and photostimulated long-lasting phosphorescence in Mn2+-doped alumino-phosphofluoride glasses irradiated by a femtosecond laser. *Journal of Materials Research*, **2003**, 18, 616-619	2.5	6
2	Amplified Spontaneous Emission from Perovskite Quantum Dots Inside a Transparent Glass. *Advanced Optical Materials*,2102483	8.1	2
1	Tuning the optical properties in CsPbBr3 quantum dot-doped glass by modulation of its network topology. *Journal of Materials Chemistry C*,	7.1	9