

Jianrong Qiu

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192
papers

6,946
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42
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76
g-index

203
ext. papers

8,493
ext. citations

9.2
avg, IF

6.38
L-index

#	Paper	IF	Citations
192	Long persistent phosphors--from fundamentals to applications. <i>Chemical Society Reviews</i> , 2016 , 45, 2090-2136	5.36	664
191	Synthesis and luminescence mechanism of multicolor-emitting g-C ₃ N ₄ nanopowders by low temperature thermal condensation of melamine. <i>Scientific Reports</i> , 2013 , 3, 1943	4.9	329
190	Lanthanide-doped NaGdF ₄ core-shell nanoparticles for non-contact self-referencing temperature sensors. <i>Nanoscale</i> , 2014 , 6, 5675-9	7.7	212
189	Emerging Low-Dimensional Materials for Nonlinear Optics and Ultrafast Photonics. <i>Advanced Materials</i> , 2017 , 29, 1605886	24	184
188	Long persistent and photo-stimulated luminescence in Cr ³⁺ -doped ZnGa ₂ Sn ₂ O phosphors for deep and reproducible tissue imaging. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2657	7.1	182
187	Reversible 3D laser printing of perovskite quantum dots inside a transparent medium. <i>Nature Photonics</i> , 2020 , 14, 82-88	33.9	168
186	Transparent glass-ceramics functionalized by dispersed crystals. <i>Progress in Materials Science</i> , 2018 , 97, 38-96	42.2	164
185	Femtosecond laser induced phenomena in transparent solid materials: Fundamentals and applications. <i>Progress in Materials Science</i> , 2016 , 76, 154-228	42.2	161
184	Manipulation of gold nanoparticles inside transparent materials. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 2230-4	16.4	159
183	Broadly tuning Bi ³⁺ emission via crystal field modulation in solid solution compounds (Y,Lu,Sc)VO ₄ :Bi for ultraviolet converted white LEDs. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6068-6076	7.1	147
182	400 mW ultrashort cavity low-noise single-frequency Yb ³⁺ -doped phosphate fiber laser. <i>Optics Letters</i> , 2011 , 36, 3708-10	3	147
181	Red Photoluminescence from Bi ³⁺ and the Influence of the Oxygen-Vacancy Perturbation in ScVO ₄ : A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 7515-7522	3.8	144
180	Orderly-Layered Tetravalent Manganese-Doped Strontium Aluminate Sr ₄ Al ₁₄ O ₂₅ :Mn ⁴⁺ : An Efficient Red Phosphor for Warm White Light Emitting Diodes. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2870-2876	3.8	143
179	Ultrafast manipulation of self-assembled form birefringence in glass. <i>Advanced Materials</i> , 2010 , 22, 4039-43	24.3	127
178	Ultrasensitive polarized up-conversion of Tm ³⁺ -Yb ³⁺ doped NaYF ₄ single nanorod. <i>Nano Letters</i> , 2013 , 13, 2241-6	11.5	124
177	Ligand-Driven Wavelength-Tunable and Ultra-Broadband Infrared Luminescence in Single-Ion-Doped Transparent Hybrid Materials. <i>Advanced Functional Materials</i> , 2009 , 19, 2081-2088	15.6	120
176	Achieving Thermo-Mechano-Opto-Responsive Bitemporal Colorful Luminescence via Multiplexing of Dual Lanthanides in Piezoelectric Particles and its Multidimensional Anticounterfeiting. <i>Advanced Materials</i> , 2018 , 30, e1804644	24	113

175	Tailoring of the trap distribution and crystal field in Cr ³⁺ -doped non-gallate phosphors with near-infrared long-persistence phosphorescence. <i>NPG Asia Materials</i> , 2015 , 7, e180-e180	10.3	97
174	Engineering the electronic structure and optical properties of g-C ₃ N ₄ by non-metal ion doping. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6839-6847	7.1	81
173	Universal Near-Infrared and Mid-Infrared Optical Modulation for Ultrafast Pulse Generation Enabled by Colloidal Plasmonic Semiconductor Nanocrystals. <i>ACS Nano</i> , 2016 , 10, 9463-9469	16.7	76
172	Efficient Dual-Modal NIR-to-NIR Emission of Rare Earth Ions Co-doped Nanocrystals for Biological Fluorescence Imaging. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 402-8	6.4	74
171	Broadband Near-Infrared Garnet Phosphors with Near-Unity Internal Quantum Efficiency. <i>Advanced Optical Materials</i> , 2020 , 8, 2000296	8.1	74
170	A Solution-Processed Ultrafast Optical Switch Based on a Nanostructured Epsilon-Near-Zero Medium. <i>Advanced Materials</i> , 2017 , 29, 1700754	24	68
169	An Ultrabroadband Mid-Infrared Pulsed Optical Switch Employing Solution-Processed Bismuth Oxyselenide. <i>Advanced Materials</i> , 2018 , 30, e1801021	24	68
168	MoS ₂ nanoflowers as high performance saturable absorbers for an all-fiber passively Q-switched erbium-doped fiber laser. <i>Nanoscale</i> , 2016 , 8, 7704-10	7.7	64
167	3D Foam Strutted Graphene Carbon Nitride with Highly Stable Optoelectronic Properties. <i>Advanced Functional Materials</i> , 2017 , 27, 1703711	15.6	64
166	Deep-red photoluminescence and long persistent luminescence in double perovskite-type La ₂ MgGeO ₆ :Mn ⁴⁺ . <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1576-1584	3.8	62
165	Broadly Tunable Emission from CaMoO ₄ :Bi Phosphor Based on Locally Modifying the Microenvironment Around Bi ³⁺ Ions. <i>European Journal of Inorganic Chemistry</i> , 2014 , 2014, 1373-1380	2.3	62
164	Self-Limited Nanocrystallization-Mediated Activation of Semiconductor Nanocrystal in an Amorphous Solid. <i>Advanced Functional Materials</i> , 2013 , 23, 5436-5443	15.6	61
163	Up-conversion luminescence in LaF ₃ :Ho ³⁺ via two-wavelength excitation for use in solar cells. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 8023	7.1	60
162	Highly efficient phosphor-glass composites by pressureless sintering. <i>Nature Communications</i> , 2020 , 11, 2805	17.4	58
161	Mesoscale engineering of photonic glass for tunable luminescence. <i>NPG Asia Materials</i> , 2016 , 8, e318-e318.3	18.3	56
160	Efficient spectral conversion from visible to near-infrared in transparent glass ceramics containing Ce ³⁺ /Yb ³⁺ codoped Y ₃ Al ₅ O ₁₂ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2204-2211	7.1	53
159	Improved Up-Conversion Luminescence from Er ³⁺ :LaF ₃ Nanocrystals Embedded in Oxyfluoride Glass Ceramics via Simultaneous Triwavelength Excitation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24056-24061	3.8	49
158	Formation mechanism of self-organized voids in dielectrics induced by tightly focused femtosecond laser pulses. <i>Applied Physics Letters</i> , 2008 , 92, 092904	3.4	47

- 157 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
- 156 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
- 155 Multistimuli-Responsive Display Materials to Encrypt Differentiated Information in Bright and Dark Fields. *Advanced Functional Materials*, **2019**, 29, 1906068 15.6 44
- 154 Ultrafast Nonlinear Optical Response in Plasmonic 2D Molybdenum Oxide Nanosheets for Mode-Locked Pulse Generation. *Advanced Optical Materials*, **2018**, 6, 1700948 8.1 44
- 153 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
- 152 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
- 151 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
- 150 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
- 149 Optical properties of structurally modified glasses doped with gold ions. *Optics Letters*, **2004**, 29, 370-2 3 39
- 148 Reverse Saturable Absorption Induced by Phonon-Assisted Anti-Stokes Processes. *Advanced Materials*, **2018**, 30, e1801638 24 39
- 147 Unusual Concentration Induced Antithermal Quenching of the Bi(2+) Emission from Sr₂P₂O₇:Bi(2.). *Inorganic Chemistry*, **2015**, 54, 6028-34 5.1 38
- 146 Photoinduced formation of colloidal Au by a near-infrared femtosecond laser. *Journal of Materials Research*, **2003**, 18, 1710-1714 2.5 38
- 145 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
- 144 Anti-stokes fluorescent probe with incoherent excitation. *Scientific Reports*, **2014**, 4, 4059 4.9 36
- 143 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
- 142 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
- 141 Femtosecond laser-induced microstructures in glasses and applications in micro-optics. *Chemical Record*, **2004**, 4, 50-8 6.6 34
- 140 Three-dimensional direct lithography of stable perovskite nanocrystals in glass.. *Science*, **2022**, 375, 307-310 34

139	Lanthanide doped nanoparticles as remote sensors for magnetic fields. <i>Nanoscale</i> , 2014 , 6, 11002-6	7.7	33
138	Multifunctional tunable ultra-broadband visible and near-infrared luminescence from bismuth-doped germanate glasses. <i>Journal of Applied Physics</i> , 2013 , 113, 083503	2.5	33
137	Ultrafast saturable absorption in TiS induced by non-equilibrium electrons and the generation of a femtosecond mode-locked laser. <i>Nanoscale</i> , 2018 , 10, 9608-9615	7.7	32
136	Synthesis of NaYF ₄ :Yb,Tm thin film with strong NIR photon up-conversion photoluminescence using electro-deposition method. <i>CrystEngComm</i> , 2014 , 16, 4023-4028	3.3	32
135	Broadly Tunable Plasmons in Doped Oxide Nanoparticles for Ultrafast and Broadband Mid-Infrared All-Optical Switching. <i>ACS Nano</i> , 2018 , 12, 12770-12777	16.7	32
134	Hydrothermal synthesis and luminescence behavior of lanthanide-doped GdF ₃ /sub 3/ nanoparticles. <i>IEEE Nanotechnology Magazine</i> , 2006 , 5, 123-128	2.6	31
133	Simultaneous luminescence modulation and magnetic field detection via magneto-optical response of Eu ³⁺ -doped NaGdF ₄ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 10140-10145	7.1	30
132	Precise frequency shift of NIR luminescence from bismuth-doped Ta ₂ O ₅ /TeO ₂ glass via composition modulation. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7830	7.1	30
131	Engineering Tunable Broadband Near-Infrared Emission in Transparent Rare-Earth Doped Nanocrystals-in-Glass Composites via a Bottom-Up Strategy. <i>Advanced Optical Materials</i> , 2019 , 7, 1801482	8.1	29
130	Depleted upconversion luminescence in NaYF ₄ :Yb,Tm nanoparticles via simultaneous two-wavelength excitation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 17756-17764	3.6	28
129	Optical temperature sensing with minimized heating effect using core-shell upconversion nanoparticles. <i>RSC Advances</i> , 2016 , 6, 21540-21545	3.7	28
128	A novel NIR long phosphorescent phosphor: SrSnO ₃ :Bi ²⁺ . <i>RSC Advances</i> , 2015 , 5, 101347-101352	3.7	27
127	Ultrabroadband near-infrared luminescence and efficient energy transfer in Bi and Bi/Ho co-doped thin films. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 2482	7.1	26
126	Universal Preparation of Novel Metal and Semiconductor Nanoparticle/Glass Composites with Excellent Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 24598-24604	3.8	26
125	A Universal Photochemical Approach to Ultra-Small, Well-Dispersed Nanoparticle/Reduced Graphene Oxide Hybrids with Enhanced Nonlinear Optical Properties. <i>Advanced Optical Materials</i> , 2015 , 3, 836-841	8.1	25
124	Tunable long persistent luminescence in the second near-infrared window via crystal field control. <i>Scientific Reports</i> , 2017 , 7, 12392	4.9	23
123	Enhanced upconversion luminescence of transparent Eu ³⁺ -doped glass-ceramics containing nonlinear optical microcrystals. <i>Optics Letters</i> , 2007 , 32, 653-5	3	23
122	Trap Energy Upconversion-Like Near-Infrared to Near-Infrared Light Rejuvenateable Persistent Luminescence. <i>Advanced Materials</i> , 2021 , 33, e2008722	24	23

121	Additive manufacturing of silica glass using laser stereolithography with a top-down approach and fast debinding.. <i>RSC Advances</i> , 2018 , 8, 16344-16348	3.7	22
120	Ultra-Broadband Near-Infrared Luminescence of Ni ²⁺ : ZnO/Al ₂ O ₃ /BiO ₂ Nanocomposite Glasses Prepared by Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2902-2905	3.8	22
119	Single-molecule photoreaction quantitation through intraparticle-surface energy transfer (i-SET) spectroscopy. <i>Nature Communications</i> , 2020 , 11, 4297	17.4	22
118	Controllable Phase Transformation and Mid-infrared Emission from Er(3+)-Doped Hexagonal-/Cubic-NaYF ₄ Nanocrystals. <i>Scientific Reports</i> , 2016 , 6, 29871	4.9	22
117	A yttrium aluminosilicate glass fiber with graded refractive index fabricated by melt-in-tube method. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1616-1622	3.8	21
116	Glass-ceramic optical fiber containing BaTiSiO nanocrystals for frequency conversion of lasers. <i>Scientific Reports</i> , 2017 , 7, 44456	4.9	20
115	Phase-Separation Engineering of Glass for Drastic Enhancement of Upconversion Luminescence. <i>Advanced Optical Materials</i> , 2019 , 7, 1801572	8.1	20
114	Broad Mid-Infrared Luminescence in a Metal-Organic Framework Glass. <i>ACS Omega</i> , 2019 , 4, 12081-12087	3.9	20
113	Heterogeneous-surface-mediated crystallization control. <i>NPG Asia Materials</i> , 2016 , 8, e245-e245	10.3	20
112	3D printing of multicolor luminescent glass.. <i>RSC Advances</i> , 2018 , 8, 31564-31567	3.7	20
111	Understanding differences in Er-Yb codoped glass and glass ceramic based on upconversion luminescence for optical thermometry.. <i>RSC Advances</i> , 2018 , 8, 12165-12172	3.7	19
110	Dynamically Tuning the Up-conversion Luminescence of Er(3+)/Yb(3+) Co-doped Sodium Niobate Nano-crystals through Magnetic Field. <i>Scientific Reports</i> , 2016 , 6, 31327	4.9	19
109	Integrated Strategy for High Luminescence Intensity of Upconversion Nanocrystals. <i>ACS Photonics</i> , 2017 , 4, 1930-1936	6.3	19
108	Fast-Response Red Upconversion Fluorescence Modulation from Ho ³⁺ -Doped Glass Ceramics upon Two-Wavelength Excitation. <i>Advanced Optical Materials</i> , 2017 , 5, 1600554	8.1	19
107	Cu-Sn-S plasmonic semiconductor nanocrystals for ultrafast photonics. <i>Nanoscale</i> , 2016 , 8, 18277-18281	7.7	19
106	Refractory Plasmonic Metal Nitride Nanoparticles for Broadband Near-Infrared Optical Switches. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900029	8.3	18
105	Enhanced single-mode fiber laser emission by nano-crystallization of oxyfluoride glass-ceramic cores. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5155-5162	7.1	18
104	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. <i>Mikrochimica Acta</i> , 2015 , 182, 1827-1834	5.8	18

103	Near-infrared laser driven white light continuum generation: materials, photophysical behaviours and applications. <i>Chemical Society Reviews</i> , 2020 , 49, 3461-3483	58.5	18
102	Microlaser Output from Rare-Earth Ion-Doped Nanocrystal-in-Glass Microcavities. <i>Advanced Optical Materials</i> , 2019 , 7, 1900197	8.1	18
101	Do Eu dopants prefer the precipitated LaF ₃ nanocrystals in glass ceramics?. <i>Physica Status Solidi - Rapid Research Letters</i> , 2012 , 6, 487-489	2.5	18
100	High-Power Broadband NIR LEDs Enabled by Highly Efficient Blue-to-NIR Conversion. <i>Advanced Optical Materials</i> , 2021 , 9, 2001660	8.1	18
99	Facile synthesis of two-dimensional WS ₂ with reverse saturable absorption and nonlinear refraction properties in the PMMA matrix. <i>Journal of Alloys and Compounds</i> , 2016 , 684, 224-229	5.7	17
98	Formation, element-migration and broadband luminescence in quantum dot-doped glass fibers. <i>Optics Express</i> , 2017 , 25, 19691-19700	3.3	17
97	Fabrication of the (Y ₂ O ₃ :Yb ³⁺)/Bi ₂ S ₃ composite film for near-infrared photoresponse. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5917-5922	13	17
96	Standing electron plasma wave mechanism of void array formation inside glass by femtosecond laser irradiation. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 88, 285-288	2.6	17
95	Photonic circuits written by femtosecond laser in glass: improved fabrication and recent progress in photonic devices. <i>Advanced Photonics</i> , 2021 , 3,	8.1	17
94	Discovery of non-reversible thermally enhanced upconversion luminescence behavior in rare-earth doped nanoparticles. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4336-4343	7.1	16
93	Transparent organic/inorganic nanocomposites for tunable full-color upconversion. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9089-9094	7.1	16
92	Near-Infrared Emission and Photon Energy Upconversion of Two-Dimensional Copper Silicates. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20571-20577	3.8	16
91	Upconversion Luminescence from Ln ³⁺ (Ho ³⁺ ,Pr ³⁺) Ion-Doped BaCl ₂ Particles via NIR Light of Sun Excitation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 9606-9610	3.8	16
90	Enhanced broadband excited upconversion luminescence in Ho-doped glasses by codoping with bismuth. <i>Optics Letters</i> , 2014 , 39, 3022-5	3	16
89	Enhanced broadband near-infrared luminescence in Bi-doped glasses by co-doping with Ag. <i>Journal of Applied Physics</i> , 2013 , 113, 183506	2.5	16
88	Fabricating low loss waveguides over a large depth in glass by temperature gradient assisted femtosecond laser writing. <i>Optics Letters</i> , 2020 , 45, 3941-3944	3	16
87	Photoluminescence nonuniformity from self-seeding nuclei in CVD-grown monolayer MoSe. <i>Nanoscale</i> , 2018 , 10, 752-757	7.7	16
86	Microengineering of Optical Properties of GeO ₂ Glass by Ultrafast Laser Nanostructuring. <i>Advanced Optical Materials</i> , 2017 , 5, 1700342	8.1	15

85	Flexible Porous SiO ₂ Bi ₂ WO ₆ Nanofibers Film for Visible-Light Photocatalytic Water Purification. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 957-964	3.8	15
84	Full-Color Chemically Modulated g-C ₃ N ₄ for White-Light-Emitting Device. <i>Advanced Optical Materials</i> , 2019 , 7, 1900775	8.1	15
83	CaF ₂ :Eu films shine novel blue, white or red luminescence through adjustment of the valence state of Eu ions using the electro-deposition method. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 12085-12089	7.1	14
82	BaCl ₂ :Er ³⁺ High Efficient Upconversion Phosphor for Broadband Near-Infrared Photoresponsive Devices. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2508-2513	3.8	14
81	Enhanced 2 μm Mid-Infrared Laser Output from Tm ³⁺ -Activated Glass Ceramic Microcavities. <i>Laser and Photonics Reviews</i> , 2020 , 14, 1900396	8.3	14
80	Self-Organized Periodic Crystallization in Unconventional Glass Created by an Ultrafast Laser for Optical Attenuation in the Broadband Near-Infrared Region. <i>Advanced Optical Materials</i> , 2019 , 7, 1900593	8.1	14
79	Near-Unity and Zero-Thermal-Quenching Far-Red-Emitting Composite Ceramics via Pressureless Glass Crystallization. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2100060	8.3	14
78	Bismuth-Doped Multicomponent Optical Fiber Fabricated by Melt-in-Tube Method. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 856-859	3.8	14
77	Enhanced upconversion emission in crystallization-controllable glass-ceramic fiber containing Yb(3+)-Er(3+) codoped CaF ₂ nanocrystals. <i>Nanotechnology</i> , 2016 , 27, 405203	3.4	14
76	Nonlinear-Optical Response in Zeolitic Imidazolate Framework Glass. <i>Inorganic Chemistry</i> , 2020 , 59, 8380-8386	5.13	13
75	The preparation of Yttrium Aluminosilicate (YAS) Glass Fiber with heavy doping of Tm ³⁺ from Polycrystalline YAG ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 4627-4633	3.8	13
74	Self-formation of quasiperiodic void structure in CaF ₂ induced by femtosecond laser irradiation. <i>Journal of Applied Physics</i> , 2007 , 101, 023112	2.5	13
73	3D printing of glass by additive manufacturing techniques: a review. <i>Frontiers of Optoelectronics</i> , 2020 , 14, 263	2.8	13
72	A general strategy for controllable synthesis of Ba ₃ (MO ₄) ₂ :Mn ⁵⁺ (M = V, P) nanoparticles. <i>RSC Advances</i> , 2017 , 7, 10564-10569	3.7	12
71	Structure and optical properties of Er-doped CaO-Al ₂ O ₃ (Ga ₂ O ₃) glasses fabricated by aerodynamic levitation. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2852-2858	3.8	12
70	Surface crystallized Mn-doped glass-ceramics for tunable luminescence. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5843-5852	3.8	12
69	Photochemically Derived Plasmonic Semiconductor Nanocrystals as an Optical Switch for Ultrafast Photonics. <i>Chemistry of Materials</i> , 2020 , 32, 3180-3187	9.6	12
68	Composite film with anisotropically enhanced optical nonlinearity for a pulse-width tunable fiber laser. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1126-1135	7.1	12

67	Broadband NIR photoelectronic performance for sunlight-induced photocurrent from (NaYF ₄ :Yb-Er)/BiOI hybrid films. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 697-704	3.8	12
66	A long persistent phosphor based on recombination centers originating from Zn imperfections. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 123, 7-11	4.4	12
65	Linear and nonlinear optical characteristics of CsPbBr ₃ perovskite quantum dots-doped borosilicate glasses. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 729-734	6	12
64	Multi-component yttrium aluminosilicate (YAS) fiber prepared by melt-in-tube method for stable single-frequency laser. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 2551	3.8	12
63	A cross-linking strategy with moderated pre-polymerization of resin for stereolithography.. <i>RSC Advances</i> , 2018 , 8, 29583-29588	3.7	11
62	Conversion of constant-wave near-infrared laser to continuum white light by Yb-doped oxides. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7520-7526	7.1	11
61	Two-/multi-wavelength light excitation effects in optical materials: From fundamentals to applications. <i>Progress in Materials Science</i> , 2019 , 105, 100568	42.2	10
60	Ultrafast and broadband optical nonlinearity in aluminum doped zinc oxide colloidal nanocrystals. <i>Nanoscale</i> , 2019 , 11, 13988-13995	7.7	10
59	Comment on Enhanced room-temperature emission in Cr ⁴⁺ ions containing alumino-silicate glasses[Appl. Phys. Lett. 82, 4035 (2003)]. <i>Applied Physics Letters</i> , 2005 , 87, 066103	3.4	10
58	Ultrafast Laser Direct Writing in Glass: Thermal Accumulation Engineering and Applications. <i>Laser and Photonics Reviews</i> , 2021 , 15, 2000455	8.3	10
57	Effect of ligand field symmetry on upconversion luminescence in heat-treated LaBGeO ₅ :Yb ³⁺ , Er ³⁺ glass. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 4387-4396	3.8	9
56	Probing Interaction Distance of Surface Quenchers in Lanthanide-Doped Upconversion CoreShell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10278-10283	3.8	9
55	Scalable In-Fiber Manufacture of Functional Composite Particles. <i>ACS Nano</i> , 2018 , 12, 11130-11138	16.7	9
54	Tuning the optical properties in CsPbBr ₃ quantum dot-doped glass by modulation of its network topology. <i>Journal of Materials Chemistry C</i> ,	7.1	9
53	Mechanism of the trivalent lanthanides' persistent luminescence in wide bandgap materials.. <i>Light: Science and Applications</i> , 2022 , 11, 51	16.7	9
52	A comparative investigation on upconversion luminescence in glass/ceramics containing LaF ₃ and CaF ₂ nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 8701-8709	2.1	8
51	Synthesis and phase transformation of NaGdF ₄ :Yb/Er thin films using electro-deposition method at moderate temperatures. <i>CrystEngComm</i> , 2018 , 20, 6919-6924	3.3	8
50	Controllable Synthesis of Monodisperse Er-Doped Lanthanide Oxyfluorides Nanocrystals with Intense Mid-Infrared Emission. <i>Scientific Reports</i> , 2016 , 6, 35348	4.9	7

49	Wavelength Tailorability of Broadband Near-Infrared Luminescence in Cr ⁴⁺ -Activated Transparent Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3519-3523	3.8	7
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