

Xiaofeng Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

182
papers

5,731
citations

37
h-index

68
g-index

192
ext. papers

6,899
ext. citations

7.7
avg, IF

6.28
L-index

#	Paper	IF	Citations
182	Glass-Crystallized Luminescence Translucent Ceramics toward High-Performance Broadband NIR LEDs.. <i>Advanced Science</i> , 2022 , e2105713	13.6	7
181	Metal Inorganic/Organic Complex Glass and Fiber for Photonic Applications. <i>Chemistry of Materials</i> , 2022 , 34, 2476-2483	9.6	3
180	Design of an Athermalizing Bonding Structure for Optical Components. <i>International Journal of Optics</i> , 2022 , 2022, 1-9	0.9	
179	Photon Manipulation of Two-Dimensional Plasmons in Metal Oxide Nanosheets for Surface-Enhanced Spectroscopy and Ultrafast Optical Switching. <i>Chemistry of Materials</i> , 2022 , 34, 2804-2812	8.6	1
178	Time-resolved spectroscopy of oligomerized phenyl modified carbon nitride. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 645, 128931	5.1	
177	Coupling localized laser writing and nonlocal recrystallization in perovskite crystals for reversible multi-dimensional optical encryption.. <i>Advanced Materials</i> , 2022 , e2201413	24	5
176	Near-Infrared Light-Induced Photoresponse in Er/Li-Codoped YO/Poly(methyl methacrylate) Composite Film.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 3470-3478	6.4	1
175	Boosting Continuous-Wave Laser-Driven Nonlinear Photothermal white Light Generation by Nanoscale Porosity. <i>Advanced Materials</i> , 2021 , e2106368	24	2
174	Enhanced Capture of Broadband Solar-Blind UV Light via Introducing Alkali-Metal Ions (Li + , Na + , and K +) into DC Spectral Converter. <i>Advanced Optical Materials</i> , 2021 , 9, 2001703	8.1	1
173	Nanoscale Engineering of Optical nonlinearity Based on a Metal Nitride/Oxide Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1253-1260	9.5	1
172	Self-assembled ultrafine CsPbBr ₃ perovskite nanowires for polarized light detection. <i>Science China Materials</i> , 2021 , 64, 2261-2271	7.1	4
171	Self-organized phase-transition lithography for all-inorganic photonic textures. <i>Light: Science and Applications</i> , 2021 , 10, 93	16.7	5
170	Plasmonic Saturable Absorbers. <i>Advanced Photonics Research</i> , 2021 , 2, 2100003	1.9	4
169	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
168	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
167	Enhanced CW Lasing and Q-Switched Pulse Generation Enabled by Tm ³⁺ -Doped Glass Ceramic Fibers. <i>Advanced Optical Materials</i> , 2021 , 9, 2001774	8.1	7
166	High-Power Broadband NIR LEDs Enabled by Highly Efficient Blue-to-NIR Conversion. <i>Advanced Optical Materials</i> , 2021 , 9, 2001660	8.1	18

165	Luminescent properties of doped amorphous and polycrystalline Y ₃ Al ₅ O ₁₂ -Al ₂ O ₃ . <i>Journal of the American Ceramic Society</i> , 2021 , 104, 3139-3148	3.8	2
164	Ultrafast Laser Inducing Continuous Periodic Crystallization in the Glass Activated via Laser-Prepared Crystallite-Seeds. <i>Advanced Optical Materials</i> , 2021 , 9, 2001962	8.1	1
163	Multiphoton upconversion and non-resonant optical nonlinearity in perovskite quantum dot doped glasses. <i>Optics Letters</i> , 2021 , 46, 5216-5219	3	3
162	Defect engineering in lanthanide doped luminescent materials. <i>Coordination Chemistry Reviews</i> , 2021 , 448, 214178	23.2	7
161	Nonlinear-Optical Response in Zeolitic Imidazolate Framework Glass. <i>Inorganic Chemistry</i> , 2020 , 59, 8380-8386	5.8	13
160	Highly Efficient Broadband Solar-Blind UV Photodetector Based on Gd ₂ O ₃ :Eu ³⁺ /PMMA Composite Film. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000570	4.6	7
159	Highly efficient phosphor-glass composites by pressureless sintering. <i>Nature Communications</i> , 2020 , 11, 2805	17.4	58
158	Photochemically Derived Plasmonic Semiconductor Nanocrystals as an Optical Switch for Ultrafast Photonics. <i>Chemistry of Materials</i> , 2020 , 32, 3180-3187	9.6	12
157	Low-dose real-time X-ray imaging with nontoxic double perovskite scintillators. <i>Light: Science and Applications</i> , 2020 , 9, 112	16.7	127
156	One-Dimensional Chains in Pentanary Chalcogenides ABaCuSbS (A = K, Rb, Cs) Displaying a Photocurrent Response. <i>Inorganic Chemistry</i> , 2020 , 59, 1577-1581	5.1	17
155	Three-Dimensional Laser-Assisted Patterning of Blue-Emissive Metal Halide Perovskite Nanocrystals inside a Glass with Switchable Photoluminescence. <i>ACS Nano</i> , 2020 , 14, 3150-3158	16.7	57
154	Emission Color Manipulation in Transparent Nanocrystals-in-Glass Composites Fabricated by Solution-Combustion Process. <i>Advanced Optical Materials</i> , 2020 , 8, 1901696	8.1	6
153	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
152	Eu ³⁺ -doped AlO(OH) as a spectral converter for broadband solar-blind UV photodetection. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 205, 110242	6.4	5
151	Reversible 3D laser printing of perovskite quantum dots inside a transparent medium. <i>Nature Photonics</i> , 2020 , 14, 82-88	33.9	168
150	Crystallization-induced valence state change of Mn ²⁺ →Mn ⁴⁺ in LiNaGe ₄ O ₉ glass-ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3051-3059	3.8	7
149	Dual-Responsive Hybrid Nanoparticle with Energy Transfer Modulated Near Infrared Emission. <i>ChemNanoMat</i> , 2020 , 6, 285-291	3.5	1
148	3D printing of glass by additive manufacturing techniques: a review. <i>Frontiers of Optoelectronics</i> , 2020 , 14, 263	2.8	13

147	Highly Defective Nanocrystals as Ultrafast Optical Switches: Nonequilibrium Synthesis and Efficient Nonlinear Optical Response. <i>Chemistry of Materials</i> , 2020 , 32, 10025-10034	9.6	6
146	Single-molecule photoreaction quantitation through intraparticle-surface energy transfer (i-SET) spectroscopy. <i>Nature Communications</i> , 2020 , 11, 4297	17.4	22
145	Broadband Near-Infrared Garnet Phosphors with Near-Unity Internal Quantum Efficiency. <i>Advanced Optical Materials</i> , 2020 , 8, 2000296	8.1	74
144	Broadband near-IR photoluminescence in Ni ²⁺ doped gallium silicate glass/ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 17715-17724	2.1	0
143	Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2019 , 31, e1807516	24	43
142	Quantum Dot LEDs: Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes (Adv. Mater. 22/2019). <i>Advanced Materials</i> , 2019 , 31, 1970157	24	2
141	Refractory Plasmonic Metal Nitride Nanoparticles for Broadband Near-Infrared Optical Switches. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900029	8.3	18
140	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
139	Self-Confined Precipitation of Ultrasmall Plasmonic Cu ₂ Se Particles in Transparent Solid Medium. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 9394-9399	3.8	4
138	Surface crystallized Mn-doped glass-ceramics for tunable luminescence. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5843-5852	3.8	12
137	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
136	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
135	Understanding Near Infrared Laser Driven Continuum White Light Emission by Graphene and Its Mixture with an Oxide Phosphor. <i>Advanced Optical Materials</i> , 2019 , 7, 1900899	8.1	6
134	Impact of Thermal Control Measures on the Imaging Quality of an Aerial Optoelectronic Sensor. <i>Sensors</i> , 2019 , 19,	3.8	3
133	Broad Mid-Infrared Luminescence in a Metal-Organic Framework Glass. <i>ACS Omega</i> , 2019 , 4, 12081-12087	7.9	20
132	Enhanced luminescence of CsPbBr perovskite quantum-dot-doped borosilicate glasses with Ag nanoparticles. <i>Optics Letters</i> , 2019 , 44, 5626-5629	3	17
131	Near-infrared emitting colloidal solution of nanocrystals for multi-band optical amplification. <i>Optical Materials Express</i> , 2019 , 9, 2523	2.6	
130	Realizing Visible Light Excitation of Tb ³⁺ via Highly Efficient Energy Transfer from Ce ³⁺ for LED-Based Applications. <i>Advanced Optical Materials</i> , 2019 , 7, 1801677	8.1	42

129	Single femtosecond laser beam induced nanogratings in transparent media - Mechanisms and applications. <i>Journal of Materiomics</i> , 2019 , 5, 1-14	6.7	22
128	Engineering Design of an Active-Passive Combined Thermal Control Technology for an Aerial Optoelectronic Platform. <i>Sensors</i> , 2019 , 19,	3.8	2
127	Linear and Nonlinear Optical Properties of Few-Layer Exfoliated SnSe Nanosheets. <i>Advanced Optical Materials</i> , 2019 , 7, 1800579	8.1	30
126	Transparent glass-ceramics functionalized by dispersed crystals. <i>Progress in Materials Science</i> , 2018 , 97, 38-96	42.2	164
125	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
124	Valence state change of europium in barium aluminates glass ceramics fabricated by containerless processing. <i>Materials Letters</i> , 2018 , 225, 97-100	3.3	2
123	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
122	Probing Interaction Distance of Surface Quenchers in Lanthanide-Doped Upconversion Core/Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 10278-10283	3.8	9
121	Highly Efficient and Reliable Transparent Electromagnetic Interference Shielding Film. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 11941-11949	9.5	189
120	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
119	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
118	Three-dimensional printing of hybrid organic/inorganic composites with long persistence luminescence. <i>Optical Materials Express</i> , 2018 , 8, 2823	2.6	8
117	A cross-linking strategy with moderated pre-polymerization of resin for stereolithography.. <i>RSC Advances</i> , 2018 , 8, 29583-29588	3.7	11
116	Effect of SiO ₂ on optical properties of bismuth-doped B ₂ O ₃ /TeO ₂ /BiO ₂ glasses. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1.9	2
115	Adaptive metric learning with deep neural networks for video-based facial expression recognition. <i>Journal of Electronic Imaging</i> , 2018 , 27, 1	0.7	19
114	Effect of topological structure on photoluminescence of PbSe quantum dot-doped borosilicate glasses. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1508-1515	3.8	12
113	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
112	Luminescent properties of Eu-doped magnetic NaFeF.. <i>RSC Advances</i> , 2018 , 8, 38410-38415	3.7	2

111	Solar Blind UV Light Induced Photo-Voltage from Transparent Y2O3: Eu-PMMA Nanocomposite Film. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 216, 1800572	1.6	2
110	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
109	Luminescence: Achieving Thermo-Mechano-Opto-Responsive Bitemporal Colorful Luminescence via Multiplexing of Dual Lanthanides in Piezoelectric Particles and its Multidimensional Anticounterfeiting (Adv. Mater. 49/2018). <i>Advanced Materials</i> , 2018 , 30, 1870373	24	4
108	3D printing of resin composites doped with upconversion nanoparticles for anti-counterfeiting and temperature detection. <i>Optics Express</i> , 2018 , 26, 25481-25491	3.3	10
107	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
106	Tunable upconversion in a nanocrystal-organic molecule hybrid: reabsorption vs. resonant energy transfer. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 26513-26521	3.6	5
105	Colloidal Plasmonic Nanoparticles for Ultrafast Optical Switching and Laser Pulse Generation. <i>Frontiers in Materials</i> , 2018 , 5,	4	8
104	3D printing of multicolor luminescent glass.. <i>RSC Advances</i> , 2018 , 8, 31564-31567	3.7	20
103	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
102	Ultrafast Nonlinear Optical Response in Plasmonic 2D Molybdenum Oxide Nanosheets for Mode-Locked Pulse Generation. <i>Advanced Optical Materials</i> , 2018 , 6, 1700948	8.1	44
101	Emerging Low-Dimensional Materials for Nonlinear Optics and Ultrafast Photonics. <i>Advanced Materials</i> , 2017 , 29, 1605886	24	184
100	A Solution-Processed Ultrafast Optical Switch Based on a Nanostructured Epsilon-Near-Zero Medium. <i>Advanced Materials</i> , 2017 , 29, 1700754	24	68
99	Tunable near-infrared emission and fluorescent lifetime of PbSe quantum dot-doped borosilicate glass. <i>Journal of Alloys and Compounds</i> , 2017 , 711, 58-63	5.7	14
98	Line-scan system for continuous hand authentication. <i>Optical Engineering</i> , 2017 , 56, 033106	1.1	11
97	Structure and optical properties of Er-doped CaO-Al2O3 (Ga2O3) glasses fabricated by aerodynamic levitation. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 2852-2858	3.8	12
96	CaF2: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
95	Two-Dimensional GeSe as an Isostructural and Isoelectronic Analogue of Phosphorene: Sonication-Assisted Synthesis, Chemical Stability, and Optical Properties. <i>Chemistry of Materials</i> , 2017 , 29, 8361-8368	9.6	45
94	Efficient Light Extraction of Organic Light-Emitting Diodes on a Fully Solution-Processed Flexible Substrate. <i>Advanced Optical Materials</i> , 2017 , 5, 1700307	8.1	31

93	A volumetric full-color display realized by frequency upconversion of a transparent composite incorporating dispersed nonlinear optical crystals. <i>NPG Asia Materials</i> , 2017 , 9, e394-e394	10.3	26
92	Understanding Enhanced Upconversion Luminescence in Oxyfluoride Glass-Ceramics Based on Local Structure Characterizations and Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 15384-15391	3.8	42
91	Dynamic contributions of P- and E-selectins to α -integrin-induced neutrophil transmigration. <i>FASEB Journal</i> , 2017 , 31, 212-223	0.9	19
90	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
89	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
88	Magnetic field enhanced upconversion luminescence and magnetic optical hysteresis behaviors in NaYF ₄ : Yb, Ho nanoparticles. <i>RSC Advances</i> , 2016 , 6, 7391-7395	3.7	14
87	Analyses of movement and contact of two nucleated cells using a gas-driven micropipette aspiration technique. <i>Journal of Immunological Methods</i> , 2016 , 428, 20-9	2.5	
86	Optical temperature sensing with minimized heating effect using core-shell upconversion nanoparticles. <i>RSC Advances</i> , 2016 , 6, 21540-21545	3.7	28
85	Sulphur-doped ordered mesoporous carbon with enhanced electrocatalytic activity for the oxygen reduction reaction. <i>Journal of Energy Chemistry</i> , 2016 , 25, 566-570	12	38
84	Synthesis of novel 2-d carbon materials: sp ² carbon nanoribbon packing to form well-defined nanosheets. <i>Materials Horizons</i> , 2016 , 3, 214-219	14.4	23
83	Enhanced Multiphoton Upconversion in Single Nanowires by Waveguiding Excitation. <i>Advanced Optical Materials</i> , 2016 , 4, 1174-1178	8.1	14
82	Linear and nonlinear optical characteristics of Te nanoparticles-doped germanate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2016 , 122, 1	1.9	6
81	A facile one-step synthesis of ZnO quantum dots modified poly(triazine imide) nanosheets for enhanced hydrogen evolution under visible light. <i>Chemical Communications</i> , 2016 , 52, 13020-13023	5.8	21
80	Cu-Sn-S plasmonic semiconductor nanocrystals for ultrafast photonics. <i>Nanoscale</i> , 2016 , 8, 18277-18281	7.7	19
79	Highly efficient up-conversion luminescence in BaCl ₂ :Er ³⁺ +phosphors via simultaneous multiwavelength excitation. <i>Applied Physics Express</i> , 2015 , 8, 032301	2.4	23
78	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
77	Transparent organic/inorganic nanocomposites for tunable full-color upconversion. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9089-9094	7.1	16
76	Polarization modulated upconversion luminescence: single particle vs. few-particle aggregates. <i>Nanoscale</i> , 2015 , 7, 6462-6	7.7	52

75	Recent advances in energy transfer in bulk and nanoscale luminescent materials: from spectroscopy to applications. <i>Chemical Society Reviews</i> , 2015 , 44, 8714-46	58.5	141
74	Coherent modulation of two-photon up-conversion from colloidal quantum dots by femtosecond laser. <i>RSC Advances</i> , 2015 , 5, 80998-81002	3.7	1
73	Photochemical synthesis of doped graphene quantum dots and their photoluminescence in aqueous and solid states. <i>RSC Advances</i> , 2015 , 5, 84276-84279	3.7	3
72	Suppression of Lanthanide Clustering in Glass by Network Topological Constraints. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2976-2979	3.8	11
71	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
70	Near-Infrared Light-Induced Photocurrent from a (NaYF ₄ :Yb-Tm)/(Cu ₂ O) Composite Thin Film. <i>Advanced Energy Materials</i> , 2015 , 5, 1401041	21.8	34
69	Magnetic Tuning of Optical Hysteresis Behavior in Lanthanide-Doped Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5583-5588	3.8	22
68	Crystallization and concentration modulated tunable upconversion luminescence of Er ³⁺ doped PZT nanofibers. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 382-389	7.1	20
67	Fabrication of the (Y ₂ O ₃ :YbEr)/Bi ₂ S ₃ composite film for near-infrared photoresponse. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5917-5922	13	17
66	Computational Modeling of Stem Cell Migration: A Mini Review. <i>Cellular and Molecular Bioengineering</i> , 2014 , 7, 196-204	3.9	2
65	Enhanced upconversion luminescence in NaYF ₄ : Er nanoparticles with multi-wavelength excitation. <i>Materials Letters</i> , 2014 , 128, 299-302	3.3	35
64	Synthesis of NaYF ₄ :YbTm thin film with strong NIR photon up-conversion photoluminescence using electro-deposition method. <i>CrystEngComm</i> , 2014 , 16, 4023-4028	3.3	32
63	Lanthanide doped nanoparticles as remote sensors for magnetic fields. <i>Nanoscale</i> , 2014 , 6, 11002-6	7.7	33
62	Lanthanide-doped NaGdF ₄ core-shell nanoparticles for non-contact self-referencing temperature sensors. <i>Nanoscale</i> , 2014 , 6, 5675-9	7.7	212
61	Enhanced broadband excited upconversion luminescence in Ho-doped glasses by codoping with bismuth. <i>Optics Letters</i> , 2014 , 39, 3022-5	3	16
60	Molten salt activation for synthesis of porous carbon nanostructures and carbon sheets. <i>Carbon</i> , 2014 , 69, 460-466	10.4	141
59	Influence of high magnetic field on the luminescence of Eu ³⁺ -doped glass ceramics. <i>Journal of Applied Physics</i> , 2014 , 116, 123103	2.5	12
58	A facile molten-salt route to graphene synthesis. <i>Small</i> , 2014 , 10, 193-200	11	174

57	Salt melt synthesis of ceramics, semiconductors and carbon nanostructures. <i>Chemical Society Reviews</i> , 2013 , 42, 8237-65	58.5	384
56	Moderating black powder chemistry for the synthesis of doped and highly porous graphene nanoplatelets and their use in electrocatalysis. <i>Advanced Materials</i> , 2013 , 25, 6284-90	24	209
55	Mesoporous nitrogen-doped carbon for copper-mediated Ullmann-type C ₆₀ /Ni ₂ S cross-coupling reactions. <i>RSC Advances</i> , 2013 , 3, 1890-1895	3.7	50
54	Manipulation of Phase and Microstructure at Nanoscale for SiC in Molten Salt Synthesis. <i>Chemistry of Materials</i> , 2013 , 25, 2021-2027	9.6	36
53	Structure-Properties Correlation in Si Nanoparticles by Total Scattering and Computer Simulations. <i>Chemistry of Materials</i> , 2013 , 25, 2365-2371	9.6	21
52	MgFeGe as an isoelectronic and isostructural analog of the superconductor LiFeAs. <i>Physical Review B</i> , 2012 , 85,	3.3	12
51	Layered hydride CaNiGeH with a ZrCuSiAs-type structure: crystal structure, chemical bonding, and magnetism induced by Mn doping. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11687-94	16.4	16
50	A molten-salt route for synthesis of Si and Ge nanoparticles: chemical reduction of oxides by electrons solvated in salt melt. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5454		60
49	Enhanced mid-IR emission in Yb ³⁺ /Tm ³⁺ co-doped oxyfluoride glass ceramics. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3032-3037	5.7	26
48	Broadband spectral conversion of visible light to near-infrared emission via energy transfer from Ce ³⁺ to Nd ³⁺ /Yb ³⁺ in YAG. <i>Journal of Materials Research</i> , 2011 , 26, 689-692	2.5	14
47	Spin-glass-like behavior of CaNi _{1-x} Mn _x Ge. <i>Physical Review B</i> , 2011 , 84,	3.3	9
46	Quantum Cutting in Tm ³⁺ /Yb ³⁺ -Codoped Lanthanum Aluminum Germanate Glasses. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 654-657	3.8	34
45	Size-dependent polarized photoluminescence from Y ₃ Al ₅ O ₁₂ : Eu ³⁺ single crystalline nanofiber prepared by electrospinning. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1587		27
44	Further investigation of the characteristics of nodular defects. <i>Applied Optics</i> , 2010 , 49, 1774-9	0.2	22
43	Efficient broadband near-infrared quantum cutting for solar cells. <i>Optics Express</i> , 2010 , 18, 9671-6	3.3	111
42	Intense infrared emission of Er(3+) in Ca ₈ Mg(SiO ₄) ₄ Cl ₂ phosphor from energy transfer of Eu(2+) by broadband down-conversion. <i>Optics Express</i> , 2010 , 18, 21663-8	3.3	42
41	Intense near-infrared emission from ZnO-LiYbO ₂ hybrid phosphors through efficient energy transfer from ZnO to Yb(3+). <i>Optics Express</i> , 2010 , 18, 639-44	3.3	45
40	Multicolor upconversion luminescence from RE ³⁺ -Yb ³⁺ (RE=Er, Tm, Tb) codoped LaAlGe ₂ O ₇ glasses. <i>Journal of Alloys and Compounds</i> , 2010 , 495, 205-208	5.7	33

39	Long lasting phosphorescence in oxygen-deficient zincboron-germanosilicate glassceramics. <i>Journal of Alloys and Compounds</i> , 2010 , 504, 177-180	5.7	17
38	Luminescence of Undoped and Pb- or Sn-Doped $\text{CaO-Al}_2\text{O}_3\text{-Bi}_2\text{O}_3\text{-CeO}_2$ Glasses. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, J1		3
37	Broadband spectral modification from visible light to near-infrared radiation using Ce(3+)-Er(3+) codoped yttrium aluminium garnet. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 13759-62	3.6	41
36	Abnormal upconversion luminescence from Yb ³⁺ doped and Tb ³⁺ /Yb ³⁺ codoped high silica glasses induced by intrinsic optical bistability. <i>Applied Physics B: Lasers and Optics</i> , 2010 , 98, 261-265	1.9	12
35	Preparation and characterization of Ag nanoparticle-embedded polymer electrospun nanofibers. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 1319-1329	2.3	35
34	Reduction of Eu ³⁺ to Eu ²⁺ in Eu-doped high silica glass prepared in air atmosphere. <i>Optical Materials</i> , 2010 , 32, 427-431	3.3	51
33	Broadband down-conversion spectral modification based on energy transfer. <i>Optical Materials</i> , 2010 , 33, 153-158	3.3	33
32	Preparation and Optical Properties of Long Afterglow Europium-Doped $\text{Ca}(\text{Sr})\text{Al}_2\text{Si}_2\text{O}_8$ Electrospun Nanofibers. <i>Journal of the Electrochemical Society</i> , 2009 , 156, J356	3.9	9
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30	Enhanced near-infrared emission and broadband optical amplification in YbBi co-doped germanosilicate glasses. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 155102	3	15
29	Tunable Emission of BCNO Nanoparticle-Embedded Polymer Electrospun Nanofibers. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, K53		19
28	Spectroscopic investigation on BCNO-based phosphor: photoluminescence and long persistent phosphorescence. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 215409	3	35
27	Cooperative downconversion and near-infrared luminescence of Tb ³⁺ /Yb ³⁺ codoped lanthanum borogermanate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 96, 51-55	1.9	74
26	Luminescence properties of the Eu-doped porous glass and spontaneous reduction of Eu ³⁺ to Eu ²⁺ . <i>Journal of Luminescence</i> , 2009 , 129, 1393-1397	3.8	33
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24	Functional Ag porous films prepared by electrospinning. <i>Applied Surface Science</i> , 2009 , 255, 7623-7626	6.7	43
23	Enhanced broadband near-infrared emission and energy transfer in Bi-Tm-codoped germanate glasses for broadband optical amplification. <i>Optics Letters</i> , 2009 , 34, 2486-8	3	25
22	Broadband conversion of visible light to near-infrared emission by Ce ³⁺ , Yb ³⁺ -codoped yttrium aluminum garnet. <i>Optics Letters</i> , 2009 , 34, 3565-7	3	106

21	Broadband downconversion from oxygen-deficient centers to Yb ³⁺ in germanate glasses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2185	1.7	10
20	Optical gain at 1550 nm from colloidal solution of Er ³⁺ -Yb ³⁺ codoped NaYF ₄ nanocubes. <i>Optics Express</i> , 2009 , 17, 5885-90	3.3	23
19	Formation and partial recovery of optically induced local dislocations inside CaF ₂ single crystal. <i>Optics Express</i> , 2009 , 17, 8552-7	3.3	7
18	Fabrication and optical properties of Y ₂ O ₃ : Eu ³⁺ nanofibers prepared by electrospinning. <i>Optics Express</i> , 2009 , 17, 22514-9	3.3	33
17	Polarized Luminescence Properties of TiO ₂ :Sm ³⁺ Microfibers and Microbelts Prepared by Electrospinning. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9595-9600	3.8	32
16	Upconversion Luminescence of Er ³⁺ -Yb ³⁺ Codoped NaYF ₄ /PVP Electrospun Nanofibers. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 57-59	2.2	7
15	Cooperative Quantum Cutting in Yb ³⁺ -Er ³⁺ Codoped Borosilicate Glasses. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1169-1171	2.2	16
14	Photoluminescence of Ag nanoparticle embedded Tb ³⁺ /Ce ³⁺ codoped NaYF ₄ /PVP nanofibers prepared by electrospinning. <i>Nanotechnology</i> , 2009 , 20, 055707	3.4	27
13	BCNO-Based Long-Persistent Phosphor. <i>Journal of the Electrochemical Society</i> , 2009 , 156, P81	3.9	36
12	Facile synthetic strategy for efficient and multi-color fluorescent BCNO nanocrystals. <i>Chemical Communications</i> , 2009 , 4073-5	5.8	70
11	Magnesium-nickel hydrogen storage alloys prepared by hydriding combustion synthesis followed by mechanical milling. <i>International Journal of Nuclear Hydrogen Production and Applications</i> , 2009 , 2, 87		
10	Blue Green Emission From a Cu ⁺ -Doped Transparent Material Prepared by Sintering Porous Glass. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 1390-1392	2.2	5
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8	Hydriding combustion synthesis of Mg ₂ Ni ₅ composites. <i>Journal of Alloys and Compounds</i> , 2008 , 458, 394-397	5.7	10
7	Cooperative downconversion in Yb ³⁺ -RE ³⁺ (RE=Tm or Pr) codoped lanthanum borogermanate glasses. <i>Optics Letters</i> , 2008 , 33, 2858-60	3	81
6	Transparent colloid containing upconverting nanocrystals: an alternative medium for three-dimensional volumetric display. <i>Applied Optics</i> , 2008 , 47, 6416-21	0.2	30
5	Hydriding characteristics of Mg ₂ Ni prepared by mechanical milling of the product of hydriding combustion synthesis. <i>International Journal of Hydrogen Energy</i> , 2007 , 32, 2450-2454	6.7	21
4	Hydrogen storage properties of Mg _{100-x} Ni _x (x=5, 11.3, 20, 25) composites prepared by hydriding combustion synthesis followed by mechanical milling (HCS+MM). <i>Intermetallics</i> , 2007 , 15, 1582-1588	3.5	28

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2	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
1	A Comparison for Saturable Absorbers: Carbon Nanotube Versus Graphene. <i>Advanced Photonics Research</i> , 2200023	1.9	2