Jing Ren

List of Publications by Year
in descending order

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98 papers	1,701 citations	279701 23 h-index	377752 34 g-index
99 all docs	99 docs citations	99 times ranked	1588 citing authors

#	Article	IF	Citations
1	Additive Manufacturing Fiber Preforms for Structured Silica Fibers with Bismuth and Erbium Dopants. Light Advanced Manufacturing, 2022, 3, 1.	2.2	3
2	Mechanisms of rare earth ion distribution in fluorosilicate glass containing KMnF₃ nanocrystal. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 084205.	0.2	1
3	Highly crystallized transparent luminescent glass ceramics containing dual-phase ZnGa2O4 spinel and Î±-Zn2SiO4 willemite nanocrystals. Journal of the European Ceramic Society, 2021, 41, 1550-1556.	2.8	16
4	Structural phase evolved Ni²⁺â€doped fluoride nanocrystals in KFâ^'ZnF₂â^'SiO₂ glassâ€ceramics. Journal of the American Ceramic Society, 2021, 104, 824-832.	1.9	4
5	2.5â€“5.5 Î¼m midâ€infrared emission from Ni 2+ â€doped chalcohalide glass ceramics containing CsPbI 3 perovskite nanocrystals. Journal of the American Ceramic Society, 2021, 104, 5593-5598.	1.9	6
6	Plasmonic metal enhanced broadband near-infrared emission from a transparent nano-glass composite containing hybrid Agâ€“metal/Î³-Ga₂O₃:Ni²⁺ nanocrystals. Journal of Materials Chemistry C, 2021, 9, 15918-15926.	2.7	4
7	Mechanisms of Upconversion Luminescence of Er3+-Doped NaYF4 via 980 and 1530 nm Excitation. Nanomaterials, 2021, 11, 2767.	1.9	7
8	A highly robust Ce³⁺-doped and Gd³⁺-mixed KLaF₄ nano-glass composite scintillator. Journal of Materials Chemistry C, 2021, 9, 17504-17510.	2.7	15
9	Crystal-field engineering of ultrabroadband mid-infrared emission in Co2+-doped nano-chalcogenide glass composites. Journal of the European Ceramic Society, 2020, 40, 103-107.	2.8	14
10	Third-order optical nonlinearity properties of CdCl2-modifed Geâ€“Sbâ€“S chalcogenide glasses. Journal of Non-Crystalline Solids, 2020, 528, 119757.	1.5	11
11	Enhanced Luminescence by SPR-Induced Hot Electron Injection in Hybrid Au and Ga₂O₃:Ni Nanoglass Ceramics. Journal of Physical Chemistry C, 2020, 124, 23394-23399.	1.5	6
12	Glassy Flux Protocol to Confine Lead-Free CsSnX₃ Nanocrystals into Transparent Solid Medium. Journal of Physical Chemistry Letters, 2020, 11, 6084-6089.	2.1	10
13	A modified chalcogenide flux method for confining metal halide nanocrystals into transparent glassy matrix. Journal of the European Ceramic Society, 2020, 40, 6037-6042.	2.8	6
14	Sub-10 nm NaNdF₄ Nanoparticles as Near-Infrared Photothermal Probes with Self-Temperature Feedback. ACS Applied Nano Materials, 2020, 3, 2517-2526.	2.4	29
15	Multi-phase induced ultra-broad 1100-2100â€‰nm emission of Ni2+ in nano-glass composites containing hybrid ZnGa2O4 and ZnF2 nanocrystals. Journal of the European Ceramic Society, 2020, 40, 2229-2233.	2.8	13
16	Luminescent ion-doped transparent glass ceramics for mid-infrared light sources [invited]. Optics Express, 2020, 28, 21522.	1.7	63
17	Broadband mid-infrared (2.5â€“5.5â€‰â€‰Âµm) emission from Co²⁺/Fe²⁺ codoped chalcogenide glass ceramics. Optics Letters, 2020, 45, 2676.	1.7	14
18	Photonic engineering of superbroadband near-infrared emission in nanoglass composites containing hybrid metal and dielectric nanocrystals. Photonics Research, 2020, 8, 698.	3.4	18

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19	Correlation between ultrabroadband nearâ€infrared emission and Yb³⁺/Ni²⁺ dopants distribution in highly transparent germanate glassâ€ceramics containing zinc gallogermanate nanospinels. Journal of the American Ceramic Society, 2019, 102, 1619-1627.	1.9	4
20	Observing the Viscous Relaxation Process of Silica Optical Fiber at ~1000 Â°C Using Regenerated Fiber Bragg Grating. Sensors, 2019, 19, 2293.	2.1	4
21	Ultrabroadband mid-infrared emission from Cr2+-doped infrared transparent chalcogenide glass ceramics embedded with thermally grown ZnS nanorods. Journal of the European Ceramic Society, 2019, 39, 3373-3379.	2.8	18
22	Largest Enhancement of Broadband Near-Infrared Emission of Ni²⁺ in Transparent Nanoglass Ceramics: Using Nd³⁺ as a Sensitizer and Yb³⁺ as an Energy-Transfer Bridge. Journal of Physical Chemistry C, 2019, 123, 10021-10027.	1.5	23
23	Mixed alkali effects in Er 3+ â€doped borate glasses: Influence on physical, mechanical, and photoluminescence properties. Journal of the American Ceramic Society, 2019, 102, 4562-4572.	1.9	4
24	1.8â€“2.7â€Î¼m emission from As-S-Se chalcogenide glasses containing ZnSe: Cr2+ particles. Journal of Non-Crystalline Solids, 2019, 508, 21-25.	1.5	12
25	Distribution of Tm3+ and Ni2+ in chalcogenide glass ceramics containing Ga2S3 nanocrystals: Influence on photoluminescence properties. Journal of the European Ceramic Society, 2019, 39, 2580-2584.	2.8	13
26	Distributed Measurement of Regeneration Ratios of an Apodized Type I Fiber Bragg Grating. Journal of Lightwave Technology, 2019, 37, 6127-6132.	2.7	3
27	Ultrabright single-band red upconversion luminescence in highly transparent fluorosilicate glass ceramics containing KMnF₃ perovskite nanocrystals. Optics Letters, 2019, 44, 2959.	1.7	12
28	Efficient green upconversion luminescence in highly crystallized ultratransparent nano-glass ceramics containing isotropic KY₃F₁₀ nanocrystals. Optics Letters, 2019, 44, 4674.	1.7	18
29	Fabrication and Characterization of Birefringent Bismuth and Erbium Co-Doped Photonic Crystal Fiber for Broadband Polarized Near Infrared Emission. , 2019, , .		1
30	Discriminating Twisting Direction by Polarization Maintaining Fiber Bragg Grating. IEEE Photonics Technology Letters, 2018, 30, 654-657.	1.3	6
31	Controlling Selective Doping and Energy Transfer between Transition Metal and Rare Earth Ions in Nanostructured Glassy Solids. Advanced Optical Materials, 2018, 6, 1701407.	3.6	64
32	Transmission electron microscopic and optical spectroscopic studies of Ni²⁺/Yb³⁺/Er³⁺/Tm³⁺ doped dualâ€phase glassâ€ceramics. Journal of the American Ceramic Society, 2018, 101, 2868-2876.	1.9	12
33	Directional Bending Sensor Based on a Dual Side-Hole Fiber Machâ€“Zehnder Interferometer. IEEE Photonics Technology Letters, 2018, 30, 375-378.	1.3	35
34	The distribution of rare earth ions in a Î³-Ga₂O₃ nanocrystal-silicate glass composite and its influence on the photoluminescence properties. Journal of Materials Chemistry C, 2018, 6, 2944-2950.	2.7	29
35	Chalcogenide glasses with embedded ZnS nanocrystals: Potential midâ€infrared laser host for divalent transition metal ions. Journal of the American Ceramic Society, 2018, 101, 666-673.	1.9	16
36	Effects of thermal treatment on photoluminescence properties of bismuth/erbium co-doped optical fibers. Optical Fiber Technology, 2018, 46, 141-146.	1.4	13

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37	Topological Engineering of Glass Structures: Topological Engineering of Photoluminescence Properties of Bismuth- or Erbium-Doped Phosphosilicate Glass of Arbitrary P2 O5 to SiO2 Ratio (Advanced Optical Materials 13/2018). Advanced Optical Materials, 2018, 6, 1870051.	3.6	0
38	Topological Engineering of Photoluminescence Properties of Bismuthâ€•or Erbiumâ€Doped Phosphosilicate Glass of Arbitrary P₂O₅ to SiO₂ Ratio. Advanced Optical Materials, 2018, 6, 1800024.	3.6	19
39	Electric-arc-induced strength-controllable weak polarization mode coupling in polarization maintaining fiber. Applied Optics, 2018, 57, 6446.	0.9	2
40	Investigation of Temperature Dependence of Microfiber Coil Resonators. Journal of Lightwave Technology, 2018, 36, 4887-4893.	2.7	14
41	An Overlap-Splicing-Based Cavity in FBG Sensor for the Measurement of Strain and Temperature. IEEE Photonics Technology Letters, 2017, 29, 235-238.	1.3	16
42	A Curvature Sensor Based on Twisted Single-Modeâ€“Multimodeâ€“Single-Mode Hybrid Optical Fiber Structure. Journal of Lightwave Technology, 2017, 35, 1725-1731.	2.7	57
43	Spectroscopic properties of Ce3+/Yb3+/Ho3+ triply doped bismuthate glasses. Journal of Alloys and Compounds, 2017, 717, 171-176.	2.8	12
44	Selective doping of Ni2+ in highly transparent glass-ceramics containing nano-spinels ZnGa2O4 and Zn1+x Ga2â^'2x Ge x O4 for broadband near-infrared fiber amplifiers. Scientific Reports, 2017, 7, 1783.	1.6	50
45	Glass-ceramic optical fiber containing Ba2TiSi2O8 nanocrystals for frequency conversion of lasers. Scientific Reports, 2017, 7, 44456.	1.6	28
46	Bane to boon: intrinsic defect sensitized photoluminescence from Mn²⁺ or rare-earth ion doped fluorosilicate photonic glasses. Journal of Materials Chemistry C, 2017, 5, 11806-11814.	2.7	21
47	Polarization mode coupling and related effects in fiber Bragg grating inscribed in polarization maintaining fiber. Optics Express, 2016, 24, 611.	1.7	13
48	Ce3+/Yb3+/Er3+ triply doped bismuth borosilicate glass: a potential fiber material for broadband near-infrared fiber amplifiers. Scientific Reports, 2016, 6, 33865.	1.6	37
49	Effects of Ag addition on properties and structure of Geâ€“Gaâ€“Seâ€“AgI chalcohalide glasses. Journal of Non-Crystalline Solids, 2016, 432, 232-236.	1.5	10
50	Effects of melting temperature and composition on spectroscopic properties of Er^3+-doped bismuth glasses. Optical Materials Express, 2016, 6, 279.	1.6	15
51	Formation of Bi₂ZnB₂O₇ Nanocrystals in ZnOâ€“Bi₂O₃â€“B₂O₃ Glass Induced by Femtosecond Laser. Journal of the American Ceramic Society, 2015, 98, 408-412.	1.9	9
52	Tailoring sodium silicophosphate glasses containing SiO6-octahedra through structural rules and topological principles. Journal of Chemical Physics, 2014, 141, 124506.	1.2	19
53	Broadly tunable emission from Mn-doped zinc gallogermanate phosphors through composition modification. Optical Materials Express, 2014, 4, 2433.	1.6	18
54	Novel Sb3+/Eu3+ Co-doped phosphate luminescent glasses with adjustable emission. Journal of Alloys and Compounds, 2014, 590, 92-95.	2.8	14

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55	Glass transition kinetics and crystallization mechanism in Geâ€“Gaâ€“Sâ€“CsCl chalcohalide glasses. Journal of Non-Crystalline Solids, 2014, 398-399, 42-47.	1.5	10
56	Preparation and luminescent properties of Mn2+ doped glass and glass-ceramics containing LiZnPO4 nanocrystals. Journal of Non-Crystalline Solids, 2014, 383, 165-168.	1.5	6
57	Inâ€Situ Raman Spectroscopy Study of Photoinduced Structural Changes in Geâ€<scp>rich</scp> Chalcogenide Films. Journal of the American Ceramic Society, 2014, 97, 1421-1424.	1.9	9
58	Significant enhancement of visible up-conversion emissions of Y2O2S:Er3+ phosphors by Mn2+ sensitizing under 1550 nm excitation. RSC Advances, 2014, 4, 16710-16715.	1.7	11
59	Novel Selfâ€Activated Zinc Gallogermanate Phosphor: The Origin of its Photoluminescence. Journal of the American Ceramic Society, 2014, 97, 3197-3201.	1.9	28
60	Unique Sodium Phosphosilicate Glasses Designed Through Extended Topological Constraint Theory. Journal of Physical Chemistry B, 2014, 118, 5177-5183.	1.2	41
61	Third-order optical nonlinearities of silver doped and/or silver-halide modified Geâ€“Gaâ€“S glasses. Optical Materials, 2014, 36, 911-915.	1.7	29
62	Tunable Multicolor Emission and Energy Transfer of <scp><scp>Sb</scp></scp>³⁺/<scp><scp>Mn</scp></scp>²⁺ Codoped Phosphate Glasses by Design. Journal of the American Ceramic Society, 2013, 96, 2476-2480.	1.9	19
63	Enhanced photoluminescence of Eu2+â€“Pr3+ ions in Ga2S3 nanocrystals embedded chalcohalide glasses ceramics. Journal of Non-Crystalline Solids, 2013, 381, 65-67.	1.5	6
64	Conductivity study on GeS2-Ga2S3-AgI-Ag chalcohalide glasses. Journal of Applied Physics, 2013, 114, .	1.1	22
65	Glass transition temperature and topological constraints of sodium borophosphate glass-forming liquids. Journal of Chemical Physics, 2013, 139, 124502.	1.2	27
66	Bright green emission from the Mn^2+-doped zinc gallogermanate phosphors. Optical Materials Express, 2013, 3, 1727.	1.6	25
67	Enhanced photoluminescence of Eu2+â€“Mn2+ co-doped chalcohalide glasses by controlled crystallization. Journal of Luminescence, 2013, 144, 18-21.	1.5	6
68	Photoluminescence properties and energy transfer of Eu2+/Pr3+ codoped GeS2â€“Ga2S3â€“CsCl chalcohalide glasses. Journal of Luminescence, 2013, 134, 75-78.	1.5	7
69	Visible and near infrared photoluminescence of Pr3+ doped oxy-chalcohalide glasses. Chemical Physics Letters, 2013, 568-569, 80-83.	1.2	10
70	Highly efficient near-infrared quantum cutting in Ce3+/Yb3+ co-doped chalcohalide glasses. Journal of Luminescence, 2013, 143, 181-184.	1.5	23
71	Nearâ€infrared quantum cutting of Eu²⁺/Yb³⁺ codoped chalcohalide glasses. Journal of the American Ceramic Society, 2013, 96, 1349-1351.	1.9	18
72	Broadband infrared luminescence in Î³-ray irradiated bismuth borosilicate glasses. Optics Letters, 2013, 38, 516.	1.7	19

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73	A Study on Crystallization Kinetics of Thermoelectric <scp><scp>Bi</scp></scp>₂<scp><scp>Se</scp></scp>₃ Crystals in <scp><scp>Ge</scp></scp>â€“<scp><scp>Se</scp></scp>â€“<scp><scp>Bi</scp></scp> Chalcogenide Glasses by Differential Scanning Calorimeter. Journal of the American Ceramic Society, 2013, 96, 2141-2146.	1.9	24
74	Broadband near-infrared emission of chromium-doped sulfide glass-ceramics containing Ga_2S_3 nanocrystals. Optics Letters, 2012, 37, 5043.	1.7	21
75	Controlled growth and up-conversion luminescence of Y2O2Sâ€‰:â€‰Er3+ phosphor with the addition of Bi2O3. RSC Advances, 2012, 2, 9660.	1.7	8
76	CsCl Modified Geâ€“Gaâ€“S Glasses Codoped with Eu²⁺ and Mn²⁺: A Potential Yellow Phosphor for Solidâ€State Lighting. Journal of the American Ceramic Society, 2012, 95, 3719-3721.	1.9	12
77	Broad blue-green-red emissions of SnO2/Pr3+ co-doped phosphate glasses. Journal of Non-Crystalline Solids, 2012, 358, 2961-2963.	1.5	16
78	Millisecond kinetics of photo-darkening/bleaching in xGe45Se55-(1â^'x)As45Se55 chalcogenide amorphous films. Journal of Applied Physics, 2012, 112, .	1.1	6
79	High-Resolution X-ray Photoelectron Spectroscopy Study of Photo-Oxidation of Amorphous Oxy-Chalcogenide Films. Journal of Physical Chemistry C, 2012, 116, 24590-24595.	1.5	8
80	Observation of Intraâ€•and Interâ€Configurational Luminescence of <scp><scp>Pr³⁺</scp></scp>â€Doped Strontium Phosphate Glasses. Journal of the American Ceramic Society, 2012, 95, 41-44.	1.9	29
81	Tunable Blue Emission from <scp><scp>Ta</scp></scp>⁵⁺ Doped Sulfophosphate Glassâ€Ceramics. Journal of the American Ceramic Society, 2012, 95, 2206-2210.	1.9	6
82	Controllable gamma-ray sensitivity of Ag-doped and/or AgI-modified Geâ€“Gaâ€“S glasses. Nuclear Instruments & Methods in Physics Research B, 2012, 280, 36-38.	0.6	3
83	IR Impurity Absorption in GeS2-In2S3-AgI Chalcohalide Glasses. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 231-234.	0.2	1
84	Efficient Near-Infrared Down-Conversion in Pr³⁺â€“Yb³⁺ Codoped Glasses and Glass Ceramics Containing LaF₃ Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 13056-13062.	1.5	142
85	Intense near-infrared and midinfrared luminescence from the Dy3+-doped GeSe2â€“Ga2Se3â€“MI (M=K, Cs,) Tj ETQq1 1 0.784314 rgBT	1.1	29
86	Effect of Photo-Oxidation on Photobleaching of GeSe₂ and Ge₂Se₃ Films. Journal of Physical Chemistry C, 2011, 115, 21390-21395.	1.5	45
87	Novel SnO2/MnO co-doped phosphate glasses with tunable luminescence properties. Journal of Alloys and Compounds, 2011, 509, L161-L164.	2.8	12
88	Solid state field-assisted diffusion of silver in multi-component tellurite glasses. Journal of Non-Crystalline Solids, 2011, 357, 3022-3026.	1.5	7
89	Solid-State Field-Assisted Ag Diffusion in Ge-Ga-Sb-S Glasses. Journal of the American Ceramic Society, 2011, 94, 1756-1760.	1.9	4
90	Self-Reversible Photodarkening of the Mixed GeS2-SbSI Glasses. Journal of the American Ceramic Society, 2011, 94, 1657-1660.	1.9	4

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91	Refractive Index Profile and Luminescence Properties of <scp>Dy</scp>³⁺â€doped <scp>Ge₂₀Ga₅Sb₁₀S₆₅</scp> Glass after Electric Fieldâ€Assisted Silver Diffusion. Journal of the American Ceramic Society, 2011, 94, 1982-1985.	1.9	3
92	Solid State Fieldâ€Assisted Diffusion of Copper in Multiâ€Component Tellurite Glass. Journal of the American Ceramic Society, 2011, 94, 1986-1988.	1.9	1
93	Spectroscopic properties of Ni2+ and rare-earth codoped Geâ€“Gaâ€“Sbâ€“S glass. Journal of Physics and Chemistry of Solids, 2010, 71, 30-34.	1.9	7
94	In-situ measurement of reversible photodarkening in ion-conducting chalcohalide glass. Optics Express, 2008, 16, 1466.	1.7	28
95	Reversible photoinduced change of refractive index in ion-conducting chalcohalide glass. Applied Physics Letters, 2008, 92, .	1.5	14
96	Glass Formation and Properties of Chalcogenides in a GeSe2?As2Se3?PbSe System. Journal of the American Ceramic Society, 2007, 90, 1500-1503.	1.9	24
97	Effects of Melting Temperature on the Broadband Infrared Luminescence of Biâ€Doped and Bi/Dy Coâ€Doped Chalcohalide Glasses. Journal of the American Ceramic Society, 2007, 90, 3670-3672.	1.9	37
98	Glass Formation and Crystallization Behavior of a Novel GeS2-Sb2S3-PbS Chalcogenide Glass System. Journal of the American Ceramic Society, 2006, 89, 060601012420009-???.	1.9	13