

Hai Lin

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.

105
papers

2,089
citations

24
h-index

43
g-index

113
ext. papers

2,335
ext. citations

3.3
avg, IF

4.69
L-index

#	Paper	IF	Citations
105	A novel multifunctional BVO-T1Y8 porous nanofibers for multi-selective gas sensing and real-time temperature monitoring. <i>Chemical Engineering Journal</i> , 2022 , 431, 134175	14.7	0
104	Evaluation of gamma and neutron shielding capacities of tellurite glass system with Phy-X simulation software. <i>Physica B: Condensed Matter</i> , 2022 , 634, 413433	2.8	2
103	Dual-Feedbacked Temperature Sensing of Er ³⁺ in Fusiform-Polycrystalline-Implanted BaYF ₅ /PAN Electrospun Fibers. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12107-12117	3.8	2
102	Revealing the multicolor mechanism in borotellurite glass phosphor: From individual emission of dual-modes to WLED applications. <i>Journal of Luminescence</i> , 2021 , 234, 117972	3.8	5
101	Electrospun fibers embedded with microcrystal for optical temperature sensing. <i>Journal of Alloys and Compounds</i> , 2021 , 855, 157410	5.7	2
100	Optical thermometry of Er ³⁺ in electrospun yttrium titanate nanobelts. <i>New Journal of Chemistry</i> , 2021 , 45, 321-330	3.6	1
99	Full color white light, temperature self-monitor, and thermochromatic effect of Cu ⁺ and Tm ³⁺ codoped germanate glasses. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 350-360	3.8	2
98	Fluorescence regulation derived from Eu ³⁺ in miscible-order fluoride-phosphate blocky phosphor. <i>Nanotechnology</i> , 2021 , 32,	3.4	2
97	Crystal filament blended m-Bi(Er ³⁺ +Yb ³⁺)VO ₄ fibers with temperature feedback and high-efficiency photocatalysis performance. <i>Applied Surface Science</i> , 2021 , 556, 149825	6.7	
96	Rare-earth functioned Bi ₂ WO ₆ nanofibers via electrospinning: Boosted catalytic performance and contact-free temperature monitoring on degradation process. <i>Colloids and Interface Science Communications</i> , 2021 , 44, 100494	5.4	2
95	Cooperatively Responding Thermal Sensing in Erbium(III)-Functionalized NaGdF ₄ /PAN Crystal-Implanted Fiber. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 21018-21029	3.8	0
94	Multichannel emissions from 5DJ metastable levels of Eu ³⁺ in miscible-phase phosphors. <i>Journal of Luminescence</i> , 2021 , 238, 118285	3.8	
93	Color tunability imparted by multi-peak emissions of Eu ³⁺ in fluoride-phosphate phosphors. <i>Materials Chemistry and Physics</i> , 2021 , 274, 125167	4.4	0
92	Synthesis, gamma and neutron attenuation capacities of boron-tellurite glass system utilizing Phy-X/PSD database. <i>Materials Chemistry and Physics</i> , 2021 , 274, 125166	4.4	2
91	Wide visible-range fluorescence of Eu located in the macroscopic bi-layer ceramic/glass composite.. <i>RSC Advances</i> , 2020 , 10, 19474-19481	3.7	2
90	Fluctuation of photon-releasing with ligand coordination in polyacrylonitrile-based electrospun nanofibers. <i>Scientific Reports</i> , 2020 , 10, 926	4.9	8
89	Fluorescent Thermal Feedback in Ho ³⁺ /Yb ³⁺ Doped Y ₂ Ti ₂ O ₇ Electrospun Nanofibers. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 027510	3.9	6

88	Multiplier effect of sensitization for Dy ³⁺ fluorescence in borosilicate glass phosphor. <i>Journal of Luminescence</i> , 2020 , 221, 117062	3.8	2
87	Quantification of upconversion photon and thermosensitive feedback in Er ³⁺ /Yb ³⁺ doped fluorotellurite glasses. <i>Journal of Luminescence</i> , 2020 , 222, 117184	3.8	7
86	Preparation of ternary (35 x)Sb ₂ O ₃ xBi ₂ O ₃ BP ₂ O ₅ glasses for lead-free glass application. <i>Materials Science-Poland</i> , 2020 , 38, 28-33	0.6	1
85	Photon quantification in Ho/Yb co-doped opto-thermal sensitive fluorotellurite glass phosphor. <i>Applied Optics</i> , 2020 , 59, 5752-5763	1.7	0
84	Efficient radiation releasing in device-level glass ceramics driven by a blue laser. <i>Applied Optics</i> , 2020 , 59, 7012-7019	1.7	
83	Hybrid excitation mechanism of upconversion fluorescence in hollow La ₂ Ti ₂ O ₇ : Tm ³⁺ /Yb ³⁺ submicron fibers. <i>Journal of Materials Science</i> , 2020 , 55, 4633-4645	4.3	4
82	The thermo-optic relevance of Ho in fluoride microcrystals embedded in electrospun fibers.. <i>RSC Advances</i> , 2020 , 10, 41004-41012	3.7	1
81	Superiority of shortwave transparent glasses with moderate phonon energy in achieving effective radiations from 1D ₂ level of Pr ³⁺ . <i>Journal of Luminescence</i> , 2019 , 213, 51-60	3.8	3
80	Multiligand Europium Complexes Incorporated Polyvinylpyrrolidone for Enhanced Solar Cell. <i>Advances in Materials Science and Engineering</i> , 2019 , 2019, 1-13	1.5	3
79	Deagglomeration in Eu ³⁺ -activated Li ₂ Gd ₄ (MoO ₄) ₇ polycrystalline incorporated polymethyl methacrylate. <i>Optical Materials</i> , 2019 , 93, 76-84	3.3	3
78	Differentiation of photon generation depended on electrospun configuration in Eu ³⁺ /Tb ³⁺ doped polyacrylonitrile nanofibers. <i>Journal of Alloys and Compounds</i> , 2019 , 786, 1040-1050	5.7	8
77	Eu ³⁺ doped high-brightness fluorophosphate laser-driven glass phosphors. <i>Optical Materials Express</i> , 2019 , 9, 1749	2.6	3
76	Anti-escaping of incident laser in rare-earth doped fluoride ceramics with glass forming layer. <i>Scientific Reports</i> , 2019 , 9, 20372	4.9	
75	Dy ³⁺ doped tellurium-borate glass phosphors for laser-driven white illumination. <i>Journal of Luminescence</i> , 2019 , 206, 70-78	3.8	15
74	Highly-Tunable Magnetic and Electric Responses in the Perforated Au-SiO ₂ -Si Multilayer Nanoshells. <i>Plasmonics</i> , 2018 , 13, 259-264	2.4	1
73	Bead-on-string fibers electrospun from terbium acetylacetonate hydrate doped poly methyl methacrylate. <i>Optical Materials Express</i> , 2018 , 8, 276	2.6	4
72	Praseodymium ion doped K-Na thermal ion-exchangeable waveguide-adaptive aluminum germanate glasses. <i>Applied Optics</i> , 2018 , 57, 9022-9031	1.7	1
71	Quantification of excitation-power dependency in Tm ³⁺ /Yb ³⁺ doped fluorotellurite upconverting glass phosphor for iris recognition. <i>Journal of Non-Crystalline Solids</i> , 2018 , 482, 1-8	3.9	3

70	Gain anticipation of Ho ³⁺ in ion-exchangeable germanate waveguide glasses. <i>Applied Physics B: Lasers and Optics</i> , 2018 , 124, 1	1.9	1
69	Photon Quantization in Sm ³⁺ Doped Red Glass Phosphors for Laser-Induced Illumination. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018 , 215, 1700903	1.6	7
68	Upconversion photon quantification of Ho ³⁺ in highly transparent fluorotellurite glasses. <i>Optics and Laser Technology</i> , 2018 , 107, 8-14	4.2	12
67	Nano-spider-web-like electrospun fibers of europium complexes doped polyvinylpyrrolidone for medical suture. <i>Optical Materials</i> , 2018 , 84, 38-45	3.3	1
66	Upconversion photon quantification of holmium and erbium ions in waveguide-adaptive germanate glasses. <i>Applied Physics B: Lasers and Optics</i> , 2017 , 123, 1	1.9	6
65	Cerium and terbium ions doped strontium aluminosilicate polycrystalline phosphors. <i>Journal of Luminescence</i> , 2017 , 187, 85-91	3.8	5
64	Photon quantification of electrospun europium-complexes/PMMA submicron fibers. <i>Journal of Alloys and Compounds</i> , 2017 , 709, 620-626	5.7	5
63	Photon releasing of Dy ³⁺ doped fluoroborate glasses for laser illumination. <i>Journal of Alloys and Compounds</i> , 2017 , 728, 1279-1288	5.7	14
62	Excitability of high-energy ultraviolet radiation for Dy ³⁺ in antimony phosphate glasses. <i>Materials Science-Poland</i> , 2017 , 35, 346-354	0.6	
61	Nanofiber electrospinning in samarium complex-doped PMMA. <i>New Journal of Chemistry</i> , 2017 , 41, 15195615203	3.6	3
60	Pr ³⁺ doped tellurite glasses incorporated with silver nanoparticles for laser illumination. <i>RSC Advances</i> , 2017 , 7, 55691-55701	3.7	10
59	Dy ³⁺ doped borate glasses for laser illumination. <i>Optical Materials Express</i> , 2017 , 7, 2040	2.6	17
58	Upconversion photon quantification in Tm ³⁺ /Yb ³⁺ doped aluminum germanate glasses for waveguide-typed irradiation light sources. <i>Optik</i> , 2016 , 127, 11544-11552	2.5	4
57	Differentiation of photon generation in single- and bi- ligand europium complexes doped poly methyl methacrylate. <i>Journal of Non-Crystalline Solids</i> , 2016 , 448, 89-95	3.9	3
56	Color tunability of Sm ³⁺ doped antimony phosphate glass phosphors showing broadband fluorescence. <i>Journal of Luminescence</i> , 2016 , 178, 147-155	3.8	16
55	Photon Conversion and Radiation Synergism in Eu/Tb Complexes Incorporated Poly Methyl Methacrylate. <i>Advances in Materials Science and Engineering</i> , 2016 , 2016, 1-11	1.5	2
54	Dy ³⁺ -doped germanate glasses for waveguide-typed irradiation light sources. <i>Journal of Alloys and Compounds</i> , 2015 , 646, 586-591	5.7	10
53	High-aluminum phosphate glasses for single-mode waveguide-typed red light source. <i>Journal of Non-Crystalline Solids</i> , 2015 , 426, 25-31	3.9	6

52	Alkaline aluminum phosphate glasses for thermal ion-exchanged optical waveguide. <i>Optical Materials</i> , 2015 , 42, 484-490	3.3	12
51	Multi-channel transition emissions of Sm ³⁺ in lithium yttrium aluminum silicate glasses and derived opalescent glass ceramics. <i>Journal of Alloys and Compounds</i> , 2014 , 582, 265-272	5.7	27
50	High-efficiency fluorescence radiation of Dy ³⁺ in alkaline earth borate glasses. <i>Journal of Luminescence</i> , 2014 , 153, 227-232	3.8	19
49	Visible photon multiplication in Ce ³⁺ /Tb ³⁺ -doped borate glasses for enhanced solar cells. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 445101	3	4
48	Study of structures and properties of ZnO-Sb ₂ O ₃ -P ₂ O ₅ -Na ₂ O glasses. <i>Materials Science-Poland</i> , 2014 , 32, 414-418	0.6	5
47	Rare Earth Doped Lanthanum Calcium Borate Polycrystalline Red Phosphors. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-7	1.5	3
46	Near-infrared fluorescence in neodymium acetylacetonate hydrate doped poly methyl methacrylate. <i>Optical Engineering</i> , 2014 , 53, 057102	1.1	2
45	Radiative parameters for multi-channel visible and near-infrared emission transitions of Sm ³⁺ in heavy-metal-silicate glasses. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 772-778	3.9	31
44	White upconversion luminescence in Tm ³⁺ /Ho ³⁺ /Yb ³⁺ triply doped K ⁺ /Na ⁺ ion-exchanged aluminum germanate glass channel waveguide. <i>Optical Materials</i> , 2013 , 35, 590-595	3.3	14
43	Multi-color fluorescence in rare earth acetylacetonate hydrate doped poly methyl methacrylate. <i>Optics Communications</i> , 2013 , 311, 111-116	2	10
42	Excitation wavelength-sensitive multi-colour fluorescence in Eu/Tb ions doped yttrium aluminium garnet glass ceramics. <i>Journal of Luminescence</i> , 2013 , 134, 622-628	3.8	23
41	Multichannel transition emissions of Dy ³⁺ in fiber-adaptive germanium tellurite glasses. <i>Journal of Applied Physics</i> , 2013 , 113, 123507	2.5	8
40	Quantitative characterization on multichannel transition emissions originating from 3P ₀ and 1D ₂ levels of Pr ³⁺ in fluorotellurite glasses. <i>Journal Physics D: Applied Physics</i> , 2013 , 46, 505107	3	14
39	Pr ³⁺ -doped heavy metal germanium tellurite glasses for irradiative light source in minimally invasive photodynamic therapy surgery. <i>Optics Express</i> , 2013 , 21, 1030-40	3.3	24
38	Broadband fluorescence emission of Eu ³⁺ doped germanotellurite glasses for fiber-based irradiation light sources. <i>Optical Materials Express</i> , 2013 , 3, 1931	2.6	13
37	Dependence of Thermodynamic and Optical Properties on Glass Compositions in Low-Phonon Energy Heavy-Metal Gallate Glass System. <i>Applied Mechanics and Materials</i> , 2013 , 319, 49-53	0.3	
36	Thermodynamic Properties of Rare-Earth Ions Doped Lithium-Yttrium-Aluminium-Silicate Glasses. <i>Advanced Materials Research</i> , 2013 , 651, 232-236	0.5	4
35	Absolute Luminous Flux and Quantum Yield of Sm ³⁺ -Doped Cadmium-Aluminum-Silicate Glasses under the Pumping of Blue Light Emitting Diode. <i>Applied Mechanics and Materials</i> , 2013 , 275-277, 1974-1977	0.3	3

34	Gain properties of the transition emissions near the second telecommunication window in Ho ³⁺ -doped multicomponent heavy-metal gallate glasses. <i>Journal of Luminescence</i> , 2012 , 132, 676-681	3.8	22
33	Upconversion emissions in YAG glass ceramics doped with Tm ³⁺ /Yb ³⁺ ions. <i>Journal of Alloys and Compounds</i> , 2012 , 536, 198-203	5.7	12
32	Dynamic colour and utilizable white fluorescence from Eu/Tb ions codoped lithium-yttrium-aluminium-silicate glasses. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 115301	3	17
31	Emissions of 1.20 and 1.38 μm from Ho ³⁺ -doped lithium-barium-bismuth-lead oxide glass for optical amplifications. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2468-2471	3.9	13
30	Optical Transition, Excitation State Absorption, and Energy Transfer Study of Er ³⁺ , Nd ³⁺ Single-Doped, and Er ³⁺ /Nd ³⁺ Codoped Tellurite Glasses for Mid-Infrared Laser Applications. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1766-1772	3.8	79
29	Optical evaluation of multichannel radiative transitions originating from G _{45/2} level of Sm ³⁺ in heavy-metal-gallate glasses. <i>Journal of Applied Physics</i> , 2010 , 107, 123111	2.5	23
28	Rare-earth ions doped heavy metal germanium tellurite glasses for fiber lighting in minimally invasive surgery. <i>Optics Express</i> , 2010 , 18, 18997-9008	3.3	33
27	Emission of 1.38 μm and gain properties from Ho(3+)-doped low-phonon-energy gallate bismuth lead oxide glasses for fiber-optic amplifiers. <i>Optics Letters</i> , 2010 , 35, 211-3	3	15
26	Radiation and gain behaviors in Tm ³⁺ -doped aluminum germanate substrate glasses and thermal ion-exchanged waveguide. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, 990	1.7	7
25	Upconversion color tunability and white light generation in Tm ³⁺ /Ho ³⁺ /Yb ³⁺ doped aluminum germanate glasses. <i>Optical Materials</i> , 2010 , 32, 554-559	3.3	75
24	Tm ³⁺ -doped ion-exchanged aluminum germanate glass waveguide for S-band amplification. <i>Applied Physics Letters</i> , 2009 , 95, 151106	3.4	17
23	Optical radiative parameters and 1.3 μm emission anticipation of Pr ³⁺ in two kinds of bismuth-containing oxide glasses with lower phonon energies. <i>Physica B: Condensed Matter</i> , 2009 , 404, 1132-1136	2.8	9
22	Photoluminescence and spectral parameters of Eu ³⁺ in sodium-aluminum-tellurite ceramics. <i>Journal of Alloys and Compounds</i> , 2009 , 479, 352-356	5.7	51
21	Radiative transitions and optical gains in Er ³⁺ /Yb ³⁺ codoped acid-resistant ion exchanged germanate glass channel waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 357	1.7	34
20	Judd-Ofelt analysis, frequency upconversion, and infrared photoluminescence of Ho ³⁺ -doped and Ho ³⁺ /Yb ³⁺ -codoped lead bismuth gallate oxide glasses. <i>Journal of Applied Physics</i> , 2009 , 106, 103105	2.5	98
19	Fluorescence investigation of Ho ³⁺ in Yb ³⁺ sensitized mixed-alkali bismuth gallate glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 1547-50	4.4	25
18	Near-infrared emissions and quantum efficiencies in Tm ³⁺ -doped heavy metal gallate glasses for S- and U-band amplifiers and 1.8 μm infrared laser. <i>Journal of Luminescence</i> , 2008 , 128, 74-80	3.8	29
17	Radiative transitions of Eu ³⁺ in non-crystalline alkali-alkaline-titanate film. <i>Physica B: Condensed Matter</i> , 2008 , 403, 3509-3513	2.8	12

16	Spectral power distribution and quantum yields of a Eu ³⁺ -doped heavy metal tellurite glass under the pumping of a violet light emitting diode. <i>Measurement Science and Technology</i> , 2007 , 18, 1348-1352	2	9
15	Derivation of quantum yields for visible emission transitions of Sm ³⁺ in heavy metal tellurite glass. <i>Optics Communications</i> , 2007 , 276, 122-126	2	6
14	Near-infrared emissions with widely different widths in two kinds of Er ³⁺ -doped oxide glasses with high refractive indices and low phonon energies. <i>Journal of Luminescence</i> , 2007 , 124, 167-172	3.8	48
13	Spectral power distribution and quantum yields of Sm ³⁺ -doped heavy metal tellurite glass under the pumping of blue lighting emitting diode. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 1417-20	4.4	32
12	Near-infrared emission character of Tm ³⁺ -doped heavy metal tellurite glasses for optical amplifiers and 1.8 μm infrared laser. <i>Journal Physics D: Applied Physics</i> , 2007 , 40, 3567-3572	3	25
11	Optical transitions and upconversion fluorescence in Ho ³⁺ /Yb ³⁺ doped bismuth tellurite glasses. <i>Journal of Applied Physics</i> , 2007 , 101, 113535	2.5	67
10	Infrequent blue and green emission transitions from Eu ³⁺ in heavy metal tellurite glasses with low phonon energy. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 358, 474-477	2.3	28
9	Optical parameters and upconversion fluorescence in Tm ³⁺ /Yb ³⁺ -doped alkali-barium-bismuth-tellurite glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 65, 702-7	4.4	24
8	Spectral parameters and visible fluorescence of Sm ³⁺ in alkali-barium-bismuth-tellurite glass with high refractive index. <i>Journal of Luminescence</i> , 2006 , 116, 139-144	3.8	44
7	Optical absorption and photoluminescence in Sm ³⁺ - and Eu ³⁺ -doped rare-earth borate glasses. <i>Journal of Luminescence</i> , 2005 , 113, 121-128	3.8	161
6	Infrared and visible fluorescence in Er ³⁺ -doped gallium tellurite glasses. <i>Chemical Physics Letters</i> , 2004 , 398, 146-150	2.5	80
5	Er ³⁺ -doped Na ₂ O/Nb ₂ O ₅ /TeO ₂ glasses for optical waveguide laser and amplifier. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, 812-817	3	86
4	Optical transitions and visible upconversion in Er ³⁺ doped niobic tellurite glass. <i>Journal of Applied Physics</i> , 2003 , 93, 186-191	2.5	189
3	Optical transitions and frequency upconversion of Er ³⁺ ions in Na ₂ O/Ca ₃ Al ₂ Ge ₃ O ₁₂ glasses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2001 , 18, 602	1.7	118
2	Er ³⁺ -doped Na ₂ O/Cd ₃ Al ₂ Si ₃ O ₁₂ glass for infrared and upconversion applications. <i>Journal of Non-Crystalline Solids</i> , 2001 , 283, 27-33	3.9	92
1	Functional Materials with Wide-Spectral-Responsive Photocatalytic Activity and Real-Time Temperature Feedback: The Electrospun Fibers Embedded with NaGdF ₄ -Tm-Yb@TiO ₂ Nanocrystals. <i>Advanced Materials Interfaces</i> , 2101869	4.6	0