Shixun Dai

List of Publications by Year
in descending order

189 papers	3,876 citations	117625 34 h-index	168389 53 g-index
190 all docs	190 docs citations	190 times ranked	2677 citing authors

#	Article	IF	Citations
1	Rapid and sensitive detection of Staphylococcus aureus by using a long-period fiber grating immunosensor coated with egg yolk antibody. Biosensors and Bioelectronics, 2022, 199, 113860.	10.1	26
2	Controllable Li₃PS₄â€“Li₄SnS₄ solid electrolytes with affordable conductor and high conductivity for solidâ€state battery. Journal of the American Ceramic Society, 2022, 105, 3252-3260.	3.8	6
3	Fabrication of Fresnel zone plate in chalcogenide glass and fiber end with femtosecond laser direct writing. Infrared Physics and Technology, 2022, 120, 104004.	2.9	6
4	In situ growth of silver nanoparticles on polydopamine-coated chalcogenide glass tapered fiber for the highly sensitive detection of volatile organic compounds in water. Journal of Non-Crystalline Solids, 2022, 581, 121420.	3.1	5
5	Mid-infrared biomimetic moth-eye-shaped polarization-maintaining and angle-insensitive metalens. Optics Express, 2022, 30, 12048.	3.4	3
6	Mid-infrared femtosecond laser-induced damage in TeO₂-BaF₂-Y₂O₃ fluorotellurite glass. Optical Materials Express, 2022, 12, 1670.	3.0	7
7	Laser damage threshold of Ge8As23S69 films irradiated under single- and multiple-pulse femtosecond laser. Ceramics International, 2022, 48, 8341-8348.	4.8	5
8	Mid infrared fluorescence characteristics and application of Co2+:ZnS doped chalcogenide glass-ceramics. Ceramics International, 2022, 48, 8502-8508.	4.8	2
9	Investigation of the Ga-Sb-S chalcogenide glass with low thermo-optic coefficient as an acousto-optic material. Ceramics International, 2022, 48, 21663-21670.	4.8	3
10	Femtosecond laserâ€“induced damage characteristics of the novel fluorozirconate glasses. Optical Materials, 2022, 128, 112418.	3.6	3
11	Modification of crystallization behavior, mechanical strength and optical property of Geâ€“S binary chalcogenide glass ceramics by trace CsCl incorporation. Ceramics International, 2022, 48, 25781-25787.	4.8	2
12	Third-order optical nonlinearity of CsPb(Br/I)₃ metal halide perovskites nano-crystals embedded chalcogenide glass. Optics Express, 2022, 30, 28647.	3.4	2
13	Power threshold reduction and laser efficiency improvement of Brillouin fiber laser based on an As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e504" altimg="si2.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>S<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e512" altimg="si3.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msu	2.1	5
14	Silicon Mode (de)Multiplexer Based on Cascaded Particle-Swarm-Optimized Counter-Tapered Couplers. IEEE Photonics Journal, 2021, 13, 1-10.	2.0	3
15	Arsenic-free low-loss sulfide glass fiber for mid-infrared supercontinuum generation. Infrared Physics and Technology, 2021, 113, 103618.	2.9	10
16	Investigation of the acoustoâ€optical properties of Geâ€“Asâ€“Teâ€“(Se) chalcogenide glasses at 10.6ÂÎ¼m wavelength. Journal of the American Ceramic Society, 2021, 104, 3224-3234.	3.8	8
17	Diffraction Grating Fabricated on Chalcogenide Glass Fiber End Surfaces With Femtosecond Laser Direct Writing. Journal of Lightwave Technology, 2021, 39, 2136-2141.	4.6	4
18	Transient Study of Femtosecond Laserâ€“Induced Ge2Sb2Te5 Phase Change Film Morphology. Micromachines, 2021, 12, 616.	2.9	3

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19	High-sensitivity sensing in bare Ge-Sb-Se chalcogenide tapered fiber with optimal structure parameters. Journal of Non-Crystalline Solids, 2021, 559, 120686.	3.1	10
20	High Q Chalcogenide Photonic Crystal Nanobeam Cavities. IEEE Photonics Technology Letters, 2021, 33, 525-528.	2.5	3
21	Effect of the Geometries of Ge-Sb-Se Chalcogenide Glass Tapered Fiber on the Sensitivity of Evanescent Wave Sensors. Journal of Lightwave Technology, 2021, 39, 4828-4836.	4.6	15
22	Nanocrystallization and optical properties of CsPbBr3â^'I perovskites in chalcogenide glasses. Journal of the European Ceramic Society, 2021, 41, 4584-4589.	5.7	7
23	Self-mode-locking and self-phase modulation in Tm3+-doped double clad fiber laser for pulse peak power enhancement and multi-wavelength generation. Optics and Laser Technology, 2021, 141, 107128.	4.6	4
24	Compact and Low-Insertion-Loss 1Ã—N Power Splitter in Silicon Photonics. Journal of Lightwave Technology, 2021, 39, 6253-6259.	4.6	20
25	Optical properties of Ge-Sb-Se thin films induced by femtosecond laser. Optics Communications, 2021, 496, 127123.	2.1	9
26	Chalcogenide glass ceramics: A high-performing innovative infrared acousto-optic material. Journal of the European Ceramic Society, 2021, 41, 7215-7221.	5.7	7
27	High-performance acousto-optic modulator based on environmentally favorable Ge20Sb15Se65 chalcogenide glass. Ceramics International, 2021, 47, 30343-30348.	4.8	4
28	A Gas-Liquid Sensor Functionalized With Graphene-Oxide on Chalcogenide Tapered Fiber by Chemical Etching. Journal of Lightwave Technology, 2021, 39, 6976-6984.	4.6	11
29	Direct generation of 7 W, 360 Î¼J multi-pulse laser from an ultra-compact all-fiber gain switched Tm3+-doped double-clad fiber laser. IEEE Photonics Technology Letters, 2021, , 1-1.	2.5	1
30	Translation Matching Method for Obtaining the Refractive Index of Chalcogenide Films Based on the Transmission Spectra. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-7.	4.7	2
31	Characteristics and preparation of a polarization beam splitter based on a chalcogenide dual-core photonic crystal fiber. Optics Express, 2021, 29, 39601.	3.4	10
32	Surface damage and threshold determination of Geâ€“Asâ€“Se glasses in femtosecond pulsed laser micromachining. Journal of the American Ceramic Society, 2020, 103, 94-102.	3.8	8
33	Controllable ultraâ€broadband visible and nearâ€infrared photoemissions in Biâ€doped germaniumâ€borate glasses. Journal of the American Ceramic Society, 2020, 103, 183-192.	3.8	9
34	Correlation between acousto-optic and structural properties of Geâ€“Sbâ€“S chalcogenide glasses. Ceramics International, 2020, 46, 10385-10391.	4.8	10
35	Brillouin scattering behavior in acoustically guiding single-mode optical fibers with different core diameters. Optics Communications, 2020, 459, 125040.	2.1	5
36	Femtosecond laser-induced large area of periodic structures on chalcogenide glass via twice laser direct-writing scanning process. Optics and Laser Technology, 2020, 124, 105977.	4.6	25

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37	Physical and electrochemical behaviors of AgX (X = S/I) in a GeS2â€“Sb2S3 chalcogenide-glass matrix. Ceramics International, 2020, 46, 6544-6549.	4.8	8
38	Ultralow voltage imprinting in GeS2â€“Ga2S3â€“AgI glasses for visible to middle-infrared diffraction gratings. Ceramics International, 2020, 46, 9030-9039.	4.8	6
39	Structure promoted electrochemical behavior and chemical stability of AgIâ€doped solid electrolyte in sulfide glass system. Journal of the American Ceramic Society, 2020, 103, 6348-6355.	3.8	3
40	Composition dependence of the physical and acousto-optic properties of transparent Geâ€“Asâ€“S chalcogenide glasses. Optical Materials, 2020, 108, 110175.	3.6	13
41	Improvement of third-order nonlinear properties in GeS2â€“Sb2S3â€“CsCl chalcogenide glass ceramics embedded with CsCl nano-crystals. Ceramics International, 2020, 46, 27990-27995.	4.8	5
42	Stability against the aqueous corrosion and nanofilamentation of chalcogenide glass. Ceramics International, 2020, 46, 28499-28505.	4.8	1
43	Nanocrystallization of Î±-CsPbI3 perovskite nanocrystals in GeS2-Sb2S3 based chalcogenide glass. Journal of the European Ceramic Society, 2020, 40, 4148-4152.	5.7	18
44	Glassy Flux Protocol to Confine Lead-Free CsSnX₃ Nanocrystals into Transparent Solid Medium. Journal of Physical Chemistry Letters, 2020, 11, 6084-6089.	4.6	10
45	Switchable Polarization Beam Splitter Based on GST-on-Silicon Waveguides. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	3
46	A modified chalcogenide flux method for confining metal halide nanocrystals into transparent glassy matrix. Journal of the European Ceramic Society, 2020, 40, 6037-6042.	5.7	6
47	Conductivity and structural properties of fast Ag-ion-conducting GaGeSbSâ€“AgI glassy electrolytes. Ceramics International, 2020, 46, 24882-24886.	4.8	4
48	Structured active fiber fabrication and characterization of a chemically highâ€purified Dy³⁺â€doped chalcogenide glass. Journal of the American Ceramic Society, 2020, 103, 2432-2442.	3.8	13
49	Silicon-based flexible-grid mode- and wavelength-selective switch utilizing microring resonators and Y-junctions. Journal of Lightwave Technology, 2020, , 1-1.	4.6	3
50	Optimized Ge-As-Se-Te chalcogenide glass fiber sensor with polydopamine-coated tapered zone for the highly sensitive detection of p-xylene in waters. Optics Express, 2020, 28, 184.	3.4	8
51	Compact and low-loss 1 Ã— 3 polarization-insensitive optical power splitter using cascaded tapered silicon waveguides. Optics Letters, 2020, 45, 5596.	3.3	8
52	Microhardness and optical property of chalcogenide glasses and glassâ€ceramics of the Snâ€“Sbâ€“Se ternary system. Journal of the American Ceramic Society, 2019, 102, 2066-2074.	3.8	5
53	Effect of heat treatment on AgIâ€rich chalcogenide glasses with enhanced ionic conductivity. Journal of the American Ceramic Society, 2019, 102, 1309-1315.	3.8	3
54	Optimization of glass properties by substituting AgI with Ag2S in chalcogenide system. Ceramics International, 2019, 45, 22694-22698.	4.8	13

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55	Study on the factors affecting the refractive index change of chalcogenide films induced by femtosecond laser. Optics and Laser Technology, 2019, 120, 105708.	4.6	11
56	Mid-Infrared Gas Detection Using a Chalcogenide Suspended-Core Fiber. Journal of Lightwave Technology, 2019, 37, 5193-5198.	4.6	12
57	Effective ionic transport in AgIâ€based Ge(Ga)â€“Sbâ€“S chalcogenide glasses. Journal of the American Ceramic Society, 2019, 102, 7065-7070.	3.8	5
58	Microsphere Laser Instable Phenomena Caused by an External Light-Blocking Barrier. IEEE Photonics Technology Letters, 2019, 31, 1300-1303.	2.5	4
59	Spontaneous crystallization of PbCl2 nanocrystals in GeS2-Sb2S3 based chalcogenide glasses. Journal of Non-Crystalline Solids, 2019, 521, 119543.	3.1	8
60	Relationship between composition, crystallization, and phase separation behavior of GeS2â€“Sb2S3â€“CsCl chalcogenide glasses. Infrared Physics and Technology, 2019, 102, 102978.	2.9	10
61	Particle swarm optimized polarization beam splitter using metasurface-assisted silicon nitride Y-junction for mid-infrared wavelengths. Optics Communications, 2019, 451, 186-191.	2.1	14
62	Fabrication and characterization of multimaterial Ge25Se10Te65/As2S3 chalcogenide fiber with a high value of the numerical aperture. Journal of Non-Crystalline Solids, 2019, 525, 119690.	3.1	5
63	In-Situ and Ex-Situ Characterization of Femtosecond Laser-Induced Ablation on As2S3 Chalcogenide Glasses and Advanced Grating Structures Fabrication. Materials, 2019, 12, 72.	2.9	10
64	Performance modification of third-order optical nonlinearity of chalcogenide glasses by nanocrystallization. Ceramics International, 2019, 45, 18767-18771.	4.8	16
65	Femtosecond laser-induced damage on the end face of an As2S3 chalcogenide glass fiber. Optics and Laser Technology, 2019, 119, 105587.	4.6	8
66	High-power all-fiber wavelength-widely-tunable Tm³⁺-doped fiber laser Q-switched by TI-SA. Journal of Optics (United Kingdom), 2019, 21, 085501.	2.2	8
67	Structure and ionic conductivity of new Ga2S3-Sb2S3-NaI chalcogenide glass system. Physica B: Condensed Matter, 2019, 570, 53-57.	2.7	4
68	Visible to mid-infrared supercontinuum generated in novel GeS₂â€“Ga₂S₃â€“CsI step-index fibre. Journal of Modern Optics, 2019, 66, 1190-1196.	1.3	5
69	Broadband midâ€infrared emission from Cr 2+ in crystalâ€inâ€glass composite glasses by Hot Uniaxial Pressing. Journal of the American Ceramic Society, 2019, 102, 6618-6625.	3.8	15
70	Correlation between thermo-mechanical properties and network structure in GexS100â€“x chalcogenide glasses. Journal of Non-Crystalline Solids: X, 2019, 1, 100015.	1.2	8
71	A novel chalcohalide fiber with high nonlinearity and low material zeroâ€dispersion via extrusion. Journal of the American Ceramic Society, 2019, 102, 5172-5179.	3.8	23
72	Local field effect influenced third-order optical nonlinearity of whole visible transparent chalcogenide glass ceramics. Ceramics International, 2019, 45, 10840-10844.	4.8	7

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73	Highly Coherent 1.5â€“8.3 Î¼m Broadband Supercontinuum Generation in Tapered Asâ€“S Chalcogenide Fibers. Journal of Lightwave Technology, 2019, 37, 1847-1852.	4.6	15
74	Intermediate crystallization kinetics in Germanium-Tellurides. Acta Materialia, 2019, 164, 473-480.	7.9	18
75	In situ and ex-situ physical scenario of the femtosecond laser-induced periodic surface structures. Optics Express, 2019, 27, 10087.	3.4	17
76	Ultrabroadband and coherent mid-infrared supercontinuum generation in Te-based chalcogenide tapered fiber with all-normal dispersion. Optics Express, 2019, 27, 10311.	3.4	46
77	Femtosecond laser direct writing of diffraction grating and its refractive index change in chalcogenide As2Se3 film. Optics Express, 2019, 27, 30090.	3.4	10
78	Precision fabrication of a four-hole Ge₁₅Sb₁₅Se₇₀ chalcogenide suspended-core fiber for generation of a 15â€“12â€…Âµm ultrabroad mid-infrared supercontinuum. Optical Materials Express, 2019, 9, 2196.	3.0	5
79	Ultrabroadband supercontinuum generation with high coherence property in chalcogenide tapered fiber with all normal dispersion. , 2019, , .		0
80	Pulse laser-induced size-controllable and symmetrical ordering of single-crystal Si islands. Nanoscale, 2018, 10, 8133-8138.	5.6	9
81	Supercontinuum generation and analysis in extruded suspended-core As2S3 chalcogenide fibers. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	6
82	Correlation among Structure, Water Peak Absorption, and Femtosecond Laser Ablation Properties of Geâ€“Sbâ€“Se Chalcogenide Glasses. Journal of Physical Chemistry C, 2018, 122, 1681-1687.	3.1	14
83	Fast Ag-Ion-Conducting GeS₂â€“Sb₂S₃â€“AgI Glassy Electrolytes with Exceptionally Low Activation Energy. Journal of Physical Chemistry C, 2018, 122, 1486-1491.	3.1	28
84	Compositional dependence of the optical properties of novel Gaâ€“Sbâ€“Sâ€“<scp>XI</scp> (<scp>XI</scp>Â=ÂPbI₂, CsI, AgI) infrared chalcogenide glasses. Journal of the American Ceramic Society, 2018, 101, 749-755.	3.8	12
85	Chalcogenide glass-ceramics: Functional design and crystallization mechanism. Progress in Materials Science, 2018, 93, 1-44.	32.8	123
86	Spectroscopy analysis of mixed organic liquid detection with Ge20Se60Te20 glass-tapered fiber. Journal of Non-Crystalline Solids, 2018, 500, 377-381.	3.1	8
87	Optical and thermal stability of Ge-as-Se chalcogenide glasses for femtosecond laser writing. Optical Materials, 2018, 85, 220-225.	3.6	40
88	Experimental investigation on the high-order modes in supercontinuum generation from step-index Asâ€“S fibers. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	8
89	Mid-infrared supercontinuum generation in a suspended-core tellurium-based chalcogenide fiber. Optical Materials Express, 2018, 8, 1341.	3.0	18
90	A Review of Mid-Infrared Supercontinuum Generation in Chalcogenide Glass Fibers. Applied Sciences (Switzerland), 2018, 8, 707.	2.5	81

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91	All-optical switching in long-period fiber grating with highly nonlinear chalcogenide fibers. Applied Optics, 2018, 57, 10044.	1.8	25
92	Low Temperature Fabrication of Chalcogenide Microsphere Resonators for Thermal Sensing. IEEE Photonics Technology Letters, 2017, 29, 66-69.	2.5	16
93	Mid-infrared supercontinuum generation in a three-hole Ge 20 Sb 15 Se 65 chalcogenide suspended-core fiber. Optical Fiber Technology, 2017, 34, 74-79.	2.7	22
94	Effect of gallium addition on physical and structural properties of Geâ€“S chalcogenide glasses. Ceramics International, 2017, 43, 12205-12208.	4.8	6
95	Midâ€infrared supercontinuum covering 2.0â€“16Âµm in a lowâ€loss telluride singleâ€mode fiber. Laser and Photonics Reviews, 2017, 11, 1700005.	8.7	136
96	Structures of Ge15Sb x Se85âˆ'x chalcogenide glasses affect their Raman gain performance. Applied Physics B: Lasers and Optics, 2017, 123, 1.	2.2	5
97	Simultaneous emission of Gaussian-like and parabolic-like pulse waveforms in an erbium-doped dual-wavelength fiber laser. Scientific Reports, 2017, 7, 9414.	3.3	6
98	Fabrication of submicron chalcogenide glass photonic crystal by resist-free nanoimprint lithography. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	6
99	Fabrication and characterization of Tm3+-Ho3+ co-doped tellurite glass microsphere lasers operating at âˆ¼2.1Âµm. Optical Materials, 2017, 72, 524-528.	3.6	34
100	Optimization of draw processing parameters for As 2 Se 3 glass fiber. Optical Fiber Technology, 2017, 38, 46-50.	2.7	7
101	Mid-infrared femtosecond laser-induced damages in As2S3 and As2Se3 chalcogenide glasses. Scientific Reports, 2017, 7, 6497.	3.3	40
102	Midinfrared Supercontinuum Generation in As2Se3â€“As2S3 Chalcogenide Glass Fiber With High NA. Journal of Lightwave Technology, 2017, 35, 2464-2469.	4.6	19
103	Fabrication and characterization of bare Ge-Sb-Se chalcogenide glass fiber taper. Infrared Physics and Technology, 2017, 80, 105-111.	2.9	19
104	14â€“72â€‰â€‰Âµm broadband supercontinuum generation in an As-S chalcogenide tapered fiber pumped in the normal dispersion regime. Optics Letters, 2017, 42, 3458.	3.3	46
105	Improvement of Swanepoel method for deriving the thickness and the optical properties of chalcogenide thin films. Optics Express, 2017, 25, 440.	3.4	48
106	Raman gain and femtosecond laser induced damage of Ge-As-S chalcogenide glasses. Optics Express, 2017, 25, 8886.	3.4	36
107	Broadband mid-infrared supercontinuum generation in 1-meter-long As_2S_3-based fiber with ultra-large core diameter. Optics Express, 2016, 24, 28400.	3.4	16
108	GeS2â€“In2S3â€“CsI Chalcogenide Glasses Doped with Rare Earth Ions for Near- and Mid-IR Luminescence. Scientific Reports, 2016, 6, 37577.	3.3	9

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109	The feasibility of Sn, In, or Al doped ZnSb thin film as candidates for phase change material. Journal of Applied Physics, 2016, 120, 015301.	2.5	4
110	Influence of the selenium content on thermo-mechanical and optical properties of Geâ€“Gaâ€“Sbâ€“S chalcogenide glasses. Infrared Physics and Technology, 2016, 77, 21-26.	2.9	15
111	Fabrication and characterization of Ge_20As_20Se_15Te_45 chalcogenide glass for photonic crystal by nanoimprint lithography. Optical Materials Express, 2016, 6, 1853.	3.0	8
112	Ultrabroad supercontinuum generated from a highly nonlinear Geâ€“Sbâ€“Se fiber. Optics Letters, 2016, 41, 3201.	3.3	73
113	Fabrication of planar photonic crystals in chalcogenide glass film by maskless projection lithography. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	2
114	Oxyfluoride Glass-Ceramics for Transition Metal Ion Based Photonics: Broadband Near-IR Luminescence of Nickel Ion Dopant and Nanocrystallization Mechanism. Journal of Physical Chemistry C, 2016, 120, 4556-4563.	3.1	44
115	Simulation study of mid-infrared supercontinuum generation in Ge23Sb12S65-based chalcogenide photonic crystal fiber. Optik, 2016, 127, 2732-2736.	2.9	1
116	15â€“14â€‰â€‰Î¼m midinfrared supercontinuum generation in a low-loss Te-based chalcogenide step-index fiber. Optics Letters, 2016, 41, 5222.	3.3	78
117	Chemical environment of rare earth ions in Ge28.125Ga6.25S65.625 glass-ceramics doped with Dy3+. Applied Physics Letters, 2015, 107, 161901.	3.3	24
118	Fabrication of an IR hollow-core Bragg fiber based on chalcogenide glass extrusion. Applied Physics A: Materials Science and Processing, 2015, 119, 455-460.	2.3	15
119	Tapered chalcogenideâ€“tellurite hybrid microstructured fiber for mid-infrared supercontinuum generation. Journal of Modern Optics, 2015, 62, 729-737.	1.3	3
120	Third-order nonlinearity in Geâ€“Sbâ€“Se glasses at mid-infrared wavelengths. Materials Research Bulletin, 2015, 70, 204-208.	5.2	39
121	Fabrication and characterization of multimaterial chalcogenide glass fiber tapers with high numerical apertures. Optics Express, 2015, 23, 23472.	3.4	48
122	Fabrication of chalcogenide glass photonic crystal fibers with mechanical drilling. Optical Fiber Technology, 2015, 26, 176-179.	2.7	54
123	Mid-infrared second-harmonic generation in chalcogenide photonic crystal fiber. Optics Communications, 2015, 335, 257-261.	2.1	4
124	Low-power phase change memory with multilayer TiN/W nanostructure electrode. Applied Physics A: Materials Science and Processing, 2014, 117, 1933-1940.	2.3	9
125	Phase Separation in Nonstoichiometry <scp><scp>Ge</scp></scp>â€“<scp><scp>Sb</scp></scp>â€“<scp><scp>S</scp></scp> Chalcogenide Glasses. Journal of the American Ceramic Society, 2014, 97, 793-797.	3.8	12
126	The Effect of PbS on Crystallization Behavior of GeS₂â€Ga₂S₃â€Based Chalcogenide Glasses. Journal of the American Ceramic Society, 2014, 97, 3469-3474.	3.8	9

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127	Fabrication and characterization of Ge20Sb15S65 chalcogenide glass for photonic crystal fibers. Applied Physics B: Lasers and Optics, 2014, 116, 653-658.	2.2	40
128	Formation and properties of chalcogenide glasses based on GeS2â€“Sb2S3â€“AgI system. Materials Letters, 2014, 132, 203-205.	2.6	18
129	Crystallization behaviors of Zn_xSb_{100âˆ’x} thin films for ultralong data retention phase change memory applications. CrystEngComm, 2014, 16, 757-762.	2.6	60
130	Influence of TiO2 on thermal stability and crystallization kinetics of tellurite glasses within TeO2â€“Bi2O3â€“Nb2O5 pseudo-ternary system. Journal of Non-Crystalline Solids, 2014, 404, 32-36.	3.1	15
131	Photoluminescence of <scp><scp>Ag</scp></scp> Nanoparticles and <scp><scp>Tm</scp></scp>³⁺ Ions in the Bismuth Germanate Glasses for the Blue Lightâ€Excited Wâ€<scp>LED</scp>. Journal of the American Ceramic Society, 2014, 97, 1471-1474.	3.8	12
132	Optical properties and crystallization behavior of 45GeS2Â·30Ga2S3Â·25Sb2S3 chalcogenide glass. Journal of Non-Crystalline Solids, 2014, 383, 112-115.	3.1	6
133	Modeling and simulation of mid-IR amplifying characteristics of Tm3+-doped chalcogenide Photonic Crystal Fibers. Infrared Physics and Technology, 2014, 63, 178-183.	2.9	0
134	Design of rare-earth-ion doped chalcogenide photonic crystals for enhancing the fluorescence emission. Optics Communications, 2014, 322, 123-128.	2.1	3
135	Laser-induced phase transformation in chalcogenide glasses investigated by micro-Raman spectrometer. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 9-12.	1.0	4
136	Glass formation and Raman scattering studies of bismuthate glasses within Bi2O3â€“GeO2â€“BaO pseudo-ternary system. Journal of Non-Crystalline Solids, 2013, 378, 254-257.	3.1	20
137	Optical and structure properties of amorphous Geâ€“Sbâ€“Se films for ultrafast all-optical signal processing. Journal of Alloys and Compounds, 2013, 580, 578-583.	5.5	28
138	Luminescence and energy transfer in Er3+/Nd3+ ion-codoped Geâ€“Inâ€“Sâ€“CsBr chalcohalide glasses. Materials Research Bulletin, 2013, 48, 4733-4737.	5.2	8
139	Correlation Between Crystallization Behavior and Network Structure in <scp><scp>GeS</scp></scp>₂â€“<scp><scp>Ga</scp></scp>₂<scp><scp>S</scp></scp>₃â€“ Chalcogenide Glasses. Journal of the American Ceramic Society, 2013, 96, 1779-1782.	3.8	20
140	Optical and structural properties of Geâ€“Sbâ€“Se thin films fabricated by sputtering and thermal evaporation. Journal of Alloys and Compounds, 2013, 548, 155-160.	5.5	36
141	Competitive Phase Separation to Controllable Crystallization in 80<scp><scp>GeS</scp></scp>₂Â·20<scp><scp>In</scp></scp>₂<scp><scp>S</scp></scp>₃ Chalcogenide Glass. Journal of the American Ceramic Society, 2013, 96, 125-129.	3.8	15
142	Enhanced thermal stability and electrical behavior of Zn-doped Sb2Te films for phase change memory application. Applied Physics Letters, 2013, 102, .	3.3	39
143	Enhanced Upâ€Conversion Luminescence in <scp><scp>Er</scp></scp>³⁺â€Doped 25<scp><scp>GeS</scp></scp>₂Â·35<scp><scp>Ga</scp></scp>₂<scp><scp>S</scp></scp>₃ Chalcogenide Glassâ€“Ceramics. Journal of the American Ceramic Society, 2013, 96, 816-819.	3.8	24
144	Rib and strip chalcogenide waveguides based on Geâ€“Sbâ€“Se radio-frequency sputtered films. Materials Letters, 2013, 98, 42-46.	2.6	14

#	Article	IF	Citations
145	Formation and third-order optical nonlinearities of silver nano-crystals embedded bismuthate glasses. Materials Research Bulletin, 2013, 48, 4667-4672.	5.2	11
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