# Shixun Dai

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Spectroscopic properties and thermal stability of erbium-doped bismuth-based glass for optical amplifier. Journal of Applied Physics, 2003, 93, 977-983. | 2.5 | 170 |
| 2 | Concentration quenching in erbium-doped tellurite glasses. Journal of Luminescence, 2006, 117, 39-45. | 3.1 | 150 |
| 3 | Efficient Near-Infrared Down-Conversion in Pr<sup>3+</sup>â€“Yb<sup>3+</sup> Codoped Glasses and Glass Ceramics Containing LaF<sub>3</sub> Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 13056-13062. | 3.1 | 142 |
| 4 | 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 |
| 5 | A study of nonlinear optical properties in Bi2O3â€“WO3â€“TeO2 glasses. Journal of Non-Crystalline Solids, 2008, 354, 3468-3472. | 3.1 | 123 |
| 6 | Chalcogenide glass-ceramics: Functional design and crystallization mechanism. Progress in Materials Science, 2018, 93, 1-44. | 32.8 | 123 |
| 7 | Silver Nanoparticles Enhanced Upconversion Luminescence in Er<sup>3+</sup>/Yb<sup>3+</sup> Codoped Bismuth-Germanate Glasses. Journal of Physical Chemistry C, 2011, 115, 25040-25045. | 3.1 | 86 |
| 8 | Optical transitions and upconversion luminescence of Er3+/Yb3+-codoped halide modified tellurite glasses. Journal of Applied Physics, 2004, 95, 3020-3026. | 2.5 | 82 |
| 9 | A Review of Mid-Infrared Supercontinuum Generation in Chalcogenide Glass Fibers. Applied Sciences (Switzerland), 2018, 8, 707. | 2.5 | 81 |
| 10 | 15â€“14â€‰â€‰Îμm midinfrared supercontinuum generation in a low-loss Te-based chalcogenide step-index fiber. Optics Letters, 2016, 41, 5222. | 3.3 | 78 |
| 11 | Ultrabroad supercontinuum generated from a highly nonlinear Geâ€“Sbâ€“Se fiber. Optics Letters, 2016, 41, 3201. | 3.3 | 73 |
| 12 | The spectroscopic properties of Er3+-doped TeO2â€“Nb2O5 glasses with high mechanical strength performance. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 62, 431-437. | 3.9 | 71 |
| 13 | Network Structure in GeS<sub>2</sub>â€“Sb<sub>2</sub>S<sub>3</sub> Chalcogenide Glasses: Raman Spectroscopy and Phase Transformation Study. Journal of Physical Chemistry C, 2012, 116, 5862-5867. | 3.1 | 63 |
| 14 | Phase change behaviors of Zn-doped Ge<sub>2</sub>Sb<sub>2</sub>Te<sub>5</sub> films. Applied Physics Letters, 2012, 101, 051906. | 3.3 | 61 |
| 15 | Crystallization behaviors of Zn<sub>x</sub>Sb<sub>100â^'x</sub> thin films for ultralong data retention phase change memory applications. CrystEngComm, 2014, 16, 757-762. | 2.6 | 60 |
| 16 | Study on optical and electrical switching properties and phase transition mechanism of Mo<sup>6+</sup>-doped vanadium dioxide thin films. Journal of Materials Science, 2004, 39, 489-493. | 3.7 | 58 |
| 17 | Fabrication of chalcogenide glass photonic crystal fibers with mechanical drilling. Optical Fiber Technology, 2015, 26, 176-179. | 2.7 | 54 |
| 18 | Effect of hydroxyl groups on nonradiative decay of Er3+:4I13/2â†'4I15/2 transition in zinc tellurite glasses. Materials Letters, 2005, 59, 2333-2336. | 2.6 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Mechanism of the enhancement of mid-infrared emission from GeS2-Ga2S3 chalcogenide glass-ceramics doped with Tm3+. Applied Physics Letters, 2012, 100, . | 3.3 | 49 |
| 20 | Investigations of Geâ€“Teâ€“AgI chalcogenide glass for far-infrared application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 586-589. | 3.9 | 48 |
| 21 | Fabrication and characterization of multimaterial chalcogenide glass fiber tapers with high numerical apertures. Optics Express, 2015, 23, 23472. | 3.4 | 48 |
| 22 | Improvement of Swanepoel method for deriving the thickness and the optical properties of chalcogenide thin films. Optics Express, 2017, 25, 440. | 3.4 | 48 |
| 23 | 14â€“72â€‰â€‰Î¼m broadband supercontinuum generation in an As-S chalcogenide tapered fiber pumped in the normal dispersion regime. Optics Letters, 2017, 42, 3458. | 3.3 | 46 |
| 24 | 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 |
| 25 | 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 |
| 26 | Performance improvement of Ge-Sb-Te material by GaSb doping for phase change memory. Applied Physics Letters, 2013, 102, . | 3.3 | 41 |
| 27 | Improved thermal and electrical properties of Al-doped Ge<sub>2</sub>Sb<sub>2</sub>Te<sub>5</sub> films for phase-change random access memory. Journal Physics D: Applied Physics, 2012, 45, 375302. | 2.8 | 40 |
| 28 | Fabrication and characterization of Ge20Sb15S65 chalcogenide glass for photonic crystal fibers. Applied Physics B: Lasers and Optics, 2014, 116, 653-658. | 2.2 | 40 |
| 29 | Mid-infrared femtosecond laser-induced damages in As2S3 and As2Se3 chalcogenide glasses. Scientific Reports, 2017, 7, 6497. | 3.3 | 40 |
| 30 | Optical and thermal stability of Ge-as-Se chalcogenide glasses for femtosecond laser writing. Optical Materials, 2018, 85, 220-225. | 3.6 | 40 |
| 31 | Enhanced thermal stability and electrical behavior of Zn-doped Sb2Te films for phase change memory application. Applied Physics Letters, 2013, 102, . | 3.3 | 39 |
| 32 | Third-order nonlinearity in Geâ€“Sbâ€“Se glasses at mid-infrared wavelengths. Materials Research Bulletin, 2015, 70, 204-208. | 5.2 | 39 |
| 33 | 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 |
| 34 | Raman gain and femtosecond laser induced damage of Ge-As-S chalcogenide glasses. Optics Express, 2017, 25, 8886. | 3.4 | 36 |
| 35 | Fabrication and characterization of Tm3+-Ho3+ co-doped tellurite glass microsphere lasers operating at â^¼2.1Âμm. Optical Materials, 2017, 72, 524-528. | 3.6 | 34 |
| 36 | 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 |

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|---|---|---|---|
| 37 | Fast Ag-Ion-Conducting GeS<sub>2</sub>â€“Sb<sub>2</sub>S<sub>3</sub>â€“AgI Glassy Electrolytes with Exceptionally Low Activation Energy. Journal of Physical Chemistry C, 2018, 122, 1486-1491. | 3.1 | 28 |
| 38 | External influence on third-order optical nonlinearity of transparent chalcogenide glass-ceramics. Applied Physics A: Materials Science and Processing, 2011, 104, 615-620. | 2.3 | 27 |
| 39 | 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 |
| 40 | 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 |
| 41 | All-optical switching in long-period fiber grating with highly nonlinear chalcogenide fibers. Applied Optics, 2018, 57, 10044. | 1.8 | 25 |
| 42 | Glass formation and optical band gap studies on Bi2O3-B2O3-BaO ternary system. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 716-720. | 1.0 | 24 |
| 43 | Enhanced Upâ€Conversion Luminescence in <scp><scp>Er</scp></scp><sup>3+</sup>â€Doped 25<scp><scp>GeS</scp></scp><sub>2</sub>Â·35<scp><scp>Ga</scp></scp><sub>2</sub><scp><scp>S</scp></scp><sub>3</sub Chalcogenide Glassâ€“Ceramics. Journal of the American Ceramic Society, 2013, 96, 816-819. | 3.8 | 24 |
| 44 | Improved phase-change characteristics of Zn-doped amorphous Sb7Te3 films for high-speed and low-power phase change memory. Applied Physics Letters, 2013, 103, . | 3.3 | 24 |
| 45 | 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 |
| 46 | New far-infrared transmitting Te-based chalcogenide glasses. Journal of Applied Physics, 2011, 110, 043536. | 2.5 | 23 |
| 47 | Enhanced mid-IR luminescence of Tm3+ ions in Ga2S3 nanocrystals embedded chalcohalide glass ceramics. Journal of Non-Crystalline Solids, 2011, 357, 2302-2305. | 3.1 | 23 |
| 48 | 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 |
| 49 | Upconversion emissions in Yb3+â€“Tm3+-doped tellurite glasses excited at 976Ânm. Journal of Materials Science, 2007, 42, 747-751. | 3.7 | 22 |
| 50 | Glass formation and third-order optical nonlinear characteristics of bismuthate glasses within Bi2O3â€“GeO2â€“TiO2 pseudo-ternary system. Materials Chemistry and Physics, 2012, 135, 73-79. | 4.0 | 22 |
| 51 | 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 |
| 52 | 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 |
| 53 | Correlation Between Crystallization Behavior and Network Structure in <scp><scp>GeS</scp></scp><sub>2</sub>â€“<scp><scp>Ga</scp></scp><sub>2</sub><scp><scp>S</scp></scp><sub>3</sub>â€ Chalcogenide Glasses. Journal of the American Ceramic Society, 2013, 96, 1779-1782. | 3.8 | 20 |
| 54 | Compact and Low-Insertion-Loss 1Ã—N Power Splitter in Silicon Photonics. Journal of Lightwave Technology, 2021, 39, 6253-6259. | 4.6 | 20 |

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|---|---|---|---|
| 55 | Glass formation and properties of novel GeS2â€“Sb2S3â€“In2S3 chalcogenide glasses. Optical Materials, 2011, 33, 1775-1780. | 3.6 | 19 |
| 56 | Midinfrared Supercontinuum Generation in As2Se3â€“As2S3 Chalcogenide Glass Fiber With High NA. Journal of Lightwave Technology, 2017, 35, 2464-2469. | 4.6 | 19 |
| 57 | Fabrication and characterization of bare Ge-Sb-Se chalcogenide glass fiber taper. Infrared Physics and Technology, 2017, 80, 105-111. | 2.9 | 19 |
| 58 | Formation and properties of chalcogenide glasses based on GeS2â€“Sb2S3â€“AgI system. Materials Letters, 2014, 132, 203-205. | 2.6 | 18 |
| 59 | Mid-infrared supercontinuum generation in a suspended-core tellurium-based chalcogenide fiber. Optical Materials Express, 2018, 8, 1341. | 3.0 | 18 |
| 60 | Intermediate crystallization kinetics in Germanium-Tellurides. Acta Materialia, 2019, 164, 473-480. | 7.9 | 18 |
| 61 | 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 |
| 62 | In situ and ex-situ physical scenario of the femtosecond laser-induced periodic surface structures. Optics Express, 2019, 27, 10087. | 3.4 | 17 |
| 63 | Up-conversion luminescence of Er3+/Yb3+/Nd3+-codoped tellurite glasses. Journal of Luminescence, 2007, 126, 677-681. | 3.1 | 16 |
| 64 | 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 |
| 65 | Low Temperature Fabrication of Chalcogenide Microsphere Resonators for Thermal Sensing. IEEE Photonics Technology Letters, 2017, 29, 66-69. | 2.5 | 16 |
| 66 | Performance modification of third-order optical nonlinearity of chalcogenide glasses by nanocrystallization. Ceramics International, 2019, 45, 18767-18771. | 4.8 | 16 |
| 67 | Competitive Phase Separation to Controllable Crystallization in 80<scp><scp>GeS</scp></scp><sub>2</sub>Â·20<scp><scp>In</scp></scp><sub>2</sub><scp><scp>S</scp></scp><sub>3</sub> Chalcogenide Glass. Journal of the American Ceramic Society, 2013, 96, 125-129. | 3.8 | 15 |
| 68 | 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 |
| 69 | 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 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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 |

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|---|---|---|---|
| 73 | 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 |
| 74 | Rib and strip chalcogenide waveguides based on Geâ€“Sbâ€“Se radio-frequency sputtered films. Materials Letters, 2013, 98, 42-46. | 2.6 | 14 |
| 75 | 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 |
| 76 | 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 |
| 77 | Investigation of concentration quenching and 1.3Î¼m emission in Nd3+-doped bismuth glasses. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 537-541. | 3.9 | 13 |
| 78 | Optimization of glass properties by substituting AgI with Ag2S in chalcogenide system. Ceramics International, 2019, 45, 22694-22698. | 4.8 | 13 |
| 79 | Composition dependence of the physical and acousto-optic properties of transparent Geâ€“Asâ€“S chalcogenide glasses. Optical Materials, 2020, 108, 110175. | 3.6 | 13 |
| 80 | Structured active fiber fabrication and characterization of a chemically highâ€purified Dy<sup>3+</sup>â€doped chalcogenide glass. Journal of the American Ceramic Society, 2020, 103, 2432-2442. | 3.8 | 13 |
| 81 | Investigation of concentration quenching in Er3+:Bi2O3â€“B2O3â€“SiO2 glasses. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 330-333. | 2.1 | 12 |
| 82 | 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 |
| 83 | Photoluminescence of <scp><scp>Ag</scp></scp> Nanoparticles and <scp><scp>Tm</scp></scp><sup>3+</sup> 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 |
| 84 | Compositional dependence of the optical properties of novel Gaâ€“Sbâ€“Sâ€“<scp>XI</scp> (<scp>XI</scp>Â=ÂPbI<sub>2</sub>, CsI, AgI) infrared chalcogenide glasses. Journal of the American Ceramic Society, 2018, 101, 749-755. | 3.8 | 12 |
| 85 | Mid-Infrared Gas Detection Using a Chalcogenide Suspended-Core Fiber. Journal of Lightwave Technology, 2019, 37, 5193-5198. | 4.6 | 12 |
| 86 | Mechanical Properties and Crystallization Behavior of <scp><scp>GeS</scp></scp><sub>2</sub>â€“<scp><scp>Sb</scp></scp><sub>2</sub><scp><scp>S</scp></scp><sub>3</sub>â€“< Chalcogenide Glass. Journal of the American Ceramic Society, 2012, 95, 1320-1325. | 3.8 | 11 |
| 87 | Formation and third-order optical nonlinearities of silver nano-crystals embedded bismuthate glasses. Materials Research Bulletin, 2013, 48, 4667-4672. | 5.2 | 11 |
| 88 | 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 |
| 89 | 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 |
| 90 | Relationship between composition, crystallization, and phase separation behavior of GeS2â€“Sb2S3â€“CsCl chalcogenide glasses. Infrared Physics and Technology, 2019, 102, 102978. | 2.9 | 10 |

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|---|---|---|---|
| 91 | 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 |
| 92 | Correlation between acousto-optic and structural properties of Geâ€“Sbâ€“S chalcogenide glasses. Ceramics International, 2020, 46, 10385-10391. | 4.8 | 10 |
| 93 | Glassy Flux Protocol to Confine Lead-Free CsSnX<sub>3</sub> Nanocrystals into Transparent Solid Medium. Journal of Physical Chemistry Letters, 2020, 11, 6084-6089. | 4.6 | 10 |
| 94 | Arsenic-free low-loss sulfide glass fiber for mid-infrared supercontinuum generation. Infrared Physics and Technology, 2021, 113, 103618. | 2.9 | 10 |
| 95 | 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 |
| 96 | Femtosecond laser direct writing of diffraction grating and its refractive index change in chalcogenide As2Se3 film. Optics Express, 2019, 27, 30090. | 3.4 | 10 |
| 97 | 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 |
| 98 | Crystallization behavior of GeSe2â€“Ga2Se3â€“CsI glasses studied by Differential Thermal Analysis. Physica B: Condensed Matter, 2009, 404, 223-226. | 2.7 | 9 |
| 99 | Spectroscopic properties of Er3+:4I13/2 level in Bi2O3â€“B2O3â€“GeO2â€“Na2O glasses. Journal of Alloys and Compounds, 2009, 472, 203-207. | 5.5 | 9 |
| 100 | In situ micro-Raman spectroscopic study of laser-induced crystallization of amorphous silicon thin films on aluminum-doped zinc oxide substrate. Journal of Materials Science: Materials in Electronics, 2012, 23, 1300-1305. | 2.2 | 9 |
| 101 | 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 |
| 102 | The Effect of PbS on Crystallization Behavior of GeS<sub>2</sub>â€Ga<sub>2</sub>S<sub>3</sub>â€Based Chalcogenide Glasses. Journal of the American Ceramic Society, 2014, 97, 3469-3474. | 3.8 | 9 |
| 103 | GeS2â€“In2S3â€“CsI Chalcogenide Glasses Doped with Rare Earth Ions for Near- and Mid-IR Luminescence. Scientific Reports, 2016, 6, 37577. | 3.3 | 9 |
| 104 | Pulse laser-induced size-controllable and symmetrical ordering of single-crystal Si islands. Nanoscale, 2018, 10, 8133-8138. | 5.6 | 9 |
| 105 | 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 |
| 106 | Optical properties of Ge-Sb-Se thin films induced by femtosecond laser. Optics Communications, 2021, 496, 127123. | 2.1 | 9 |
| 107 | Fabrication and gain performance of Er3+/Yb3+-codoped tellurite glass fiber. Journal of Rare Earths, 2008, 26, 915-918. | 4.8 | 8 |
| 108 | Nonlinear optical properties in bismuth-based glasses. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 61-64. | 1.0 | 8 |

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|---|---|---|---|
| 109 | 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 |
| 110 | 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 |
| 111 | Spectroscopy analysis of mixed organic liquid detection with Ge20Se60Te20 glass-tapered fiber. Journal of Non-Crystalline Solids, 2018, 500, 377-381. | 3.1 | 8 |
| 112 | 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 |
| 113 | Spontaneous crystallization of PbCl2 nanocrystals in GeS2-Sb2S3 based chalcogenide glasses. Journal of Non-Crystalline Solids, 2019, 521, 119543. | 3.1 | 8 |
| 114 | Femtosecond laser-induced damage on the end face of an As2S3 chalcogenide glass fiber. Optics and Laser Technology, 2019, 119, 105587. | 4.6 | 8 |
| 115 | High-power all-fiber wavelength-widely-tunable Tm<sup>3+</sup>-doped fiber laser Q-switched by TI-SA. Journal of Optics (United Kingdom), 2019, 21, 085501. | 2.2 | 8 |
| 116 | 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 |
| 117 | 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 |
| 118 | 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 |
| 119 | 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 |
| 120 | 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 |
| 121 | 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 |
| 122 | Optimization of draw processing parameters for As 2 Se 3 glass fiber. Optical Fiber Technology, 2017, 38, 46-50. | 2.7 | 7 |
| 123 | Local field effect influenced third-order optical nonlinearity of whole visible transparent chalcogenide glass ceramics. Ceramics International, 2019, 45, 10840-10844. | 4.8 | 7 |
| 124 | Nanocrystallization and optical properties of CsPbBr3âˆ’I perovskites in chalcogenide glasses. Journal of the European Ceramic Society, 2021, 41, 4584-4589. | 5.7 | 7 |
| 125 | Chalcogenide glass ceramics: A high-performing innovative infrared acousto-optic material. Journal of the European Ceramic Society, 2021, 41, 7215-7221. | 5.7 | 7 |
| 126 | Mid-infrared femtosecond laser-induced damage in TeO<sub>2</sub>-BaF<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub> fluorotellurite glass. Optical Materials Express, 2022, 12, 1670. | 3.0 | 7 |

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| --- | --- | --- | --- |
| 127 | Thermal stability and optical transition of Er<sup>3+</sup>in sodium-lead-germanate glasses. Journal of Materials Science, 2004, 39, 3641-3646. | 3.7 | 6 |
| 128 | Reduction of residual stress in SiO<sub>2</sub>â€matrix silicon nanoâ€crystal thin films by a combination of rapid thermal annealing and tubeâ€furnace annealing. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 528-532. | 1.8 | 6 |
| 129 | Optical properties and crystallization behavior of 45GeS2Â·30Ga2S3Â·25Sb2S3 chalcogenide glass. Journal of Non-Crystalline Solids, 2014, 383, 112-115. | 3.1 | 6 |
| 130 | Effect of gallium addition on physical and structural properties of Geâ€“S chalcogenide glasses. Ceramics International, 2017, 43, 12205-12208. | 4.8 | 6 |
| 131 | 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 |
| 132 | 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 |
| 133 | Supercontinuum generation and analysis in extruded suspended-core As2S3 chalcogenide fibers. Applied Physics A: Materials Science and Processing, 2018, 124, 1. | 2.3 | 6 |
| 134 | Ultralow voltage imprinting in GeS2â€“Ga2S3â€“AgI glasses for visible to middle-infrared diffraction gratings. Ceramics International, 2020, 46, 9030-9039. | 4.8 | 6 |
| 135 | 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 |
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