Rongping Wang

List of Publications by Year
in descending order

251 papers	5,004 citations	94433 37 h-index	128289 60 g-index
252 all docs	252 docs citations	252 times ranked	3442 citing authors

#	Article	IF	Citations
1	Raman spectral study of silicon nanowires: High-order scattering and phonon confinement effects. Physical Review B, 2000, 61, 16827-16832.	3.2	255
2	Systematic z-scan measurements of the third order nonlinearity of chalcogenide glasses. Optical Materials Express, 2014, 4, 1011.	3.0	160
3	18-10â€‰â€‰Î¼m mid-infrared supercontinuum generated in a step-index chalcogenide fiber using low peak pump power. Optics Letters, 2015, 40, 1081.	3.3	159
4	Mid-infrared supercontinuum generation in chalcogenides. Optical Materials Express, 2013, 3, 1075.	3.0	158
5	A broadband, quasi-continuous, mid-infrared supercontinuum generated in a chalcogenide glass waveguide. Laser and Photonics Reviews, 2014, 8, 792-798.	8.7	141
6	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
7	Progress in optical waveguides fabricated from chalcogenide glasses. Optics Express, 2010, 18, 26635.	3.4	131
8	Properties of Ge_xAs_ySe_1-x-y glasses for all-optical signal processing. Optics Express, 2008, 16, 2804.	3.4	124
9	Experimental demonstration of linearly polarized 2â€"10â€‰â€‰Î¼m supercontinuum generation in a chalcogenide rib waveguide. Optics Letters, 2016, 41, 958.	3.3	96
10	Correlation between Structural and Physical Properties in Geâ€"Sbâ€"Se Glasses. Journal of Physical Chemistry C, 2013, 117, 16571-16576.	3.1	89
11	High Brightness 2.2â€"12 Î¼m Midâ€Infrared Supercontinuum Generation in a Nontoxic Chalcogenide Stepâ€Index Fiber. Journal of the American Ceramic Society, 2016, 99, 2565-2568.	3.8	87
12	Unraveling the Crystallization Kinetics of Supercooled Liquid GeTe by Ultrafast Calorimetry. Crystal Growth and Design, 2017, 17, 3687-3693.	3.0	87
13	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
14	On the properties and stability of thermally evaporated Geâ€"Asâ€"Se thin films. Applied Physics A: Materials Science and Processing, 2009, 96, 615-625.	2.3	76
15	Supercontinuum generation in the mid-infrared from a dispersion-engineered As_2S_3 glass rib waveguide. Optics Letters, 2012, 37, 3870.	3.3	75
16	Low Loss, High <scp>NA</scp> Chalcogenide Glass Fibers for Broadband Midâ€Infrared Supercontinuum Generation. Journal of the American Ceramic Society, 2015, 98, 1389-1392.	3.8	75
17	Ultrabroad supercontinuum generated from a highly nonlinear Geâ€"Sbâ€"Se fiber. Optics Letters, 2016, 41, 3201.	3.3	73
18	Fundamental and Second-Order Raman Spectra of BaT iO3. Journal of Raman Spectroscopy, 1996, 27, 31-34.	2.5	62

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19	Mid-infrared flattened supercontinuum generation in all-normal dispersion tellurium chalcogenide fiber. Optics Express, 2019, 27, 2036.	3.4	62
20	Phase change behaviors of Zn-doped Ge₂Sb₂Te₅ films. Applied Physics Letters, 2012, 101, 051906.	3.3	61
21	Crystallization behaviors of Zn_xSb_{100â^'x} thin films for ultralong data retention phase change memory applications. CrystEngComm, 2014, 16, 757-762.	2.6	60
22	Relative Contribution of Stoichiometry and Mean Coordination to the Fragility of Geâ€"Asâ€"Se Glass Forming Liquids. Journal of Physical Chemistry B, 2014, 118, 1436-1442.	2.6	57
23	The dependence of photosensitivity on composition for thin films of Ge x As y Se1â€"xâ€"y chalcogenide glasses. Applied Physics A: Materials Science and Processing, 2013, 113, 575-581.	2.3	52
24	Annealing induced phase transformations in amorphous As2S3 films. Journal of Applied Physics, 2006, 100, 063524.	2.5	51
25	Mid-infrared optical nonlinearities of chalcogenide glasses in Ge-Sb-Se ternary system. Optics Express, 2015, 23, 1300.	3.4	48
26	Fabrication and characterization of multimaterial chalcogenide glass fiber tapers with high numerical apertures. Optics Express, 2015, 23, 23472.	3.4	48
27	Submicrometer-Thick Low-Loss As$_2$S$_3$ Planar Waveguides for Nonlinear Optical Devices. IEEE Photonics Technology Letters, 2010, 22, 495-497.	2.5	44
28	Rebonding of Se to As and Ge in Ge33As12Se55 films upon thermal annealing: Evidence from x-ray photoelectron spectra investigations. Journal of Applied Physics, 2007, 101, 113517.	2.5	42
29	Observation of two elastic thresholds in GexAsySe1â^'xâ^'y glasses. Journal of Applied Physics, 2009, 105, .	2.5	40
30	Improved thermal and electrical properties of Al-doped Ge₂Sb₂Te₅ films for phase-change random access memory. Journal Physics D: Applied Physics, 2012, 45, 375302.	2.8	40
31	Evaporated and solution deposited planar Sb₂S₃ solar cells: A comparison and its significance. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 108-113.	1.8	40
32	Mid-infrared femtosecond laser-induced damages in As2S3 and As2Se3 chalcogenide glasses. Scientific Reports, 2017, 7, 6497.	3.3	40
33	Mid-infrared astrophotonics: study of ultrafast laser induced index change in compatible materials. Optical Materials Express, 2017, 7, 698.	3.0	40
34	Nb-doped CaTiO3 transparent semiconductor thin films. Journal of Crystal Growth, 2002, 245, 63-66.	1.5	39
35	Thermal annealing of arsenic tri-sulphide thin film and its influence on device performance. Journal of Applied Physics, 2010, 107, 053106.	2.5	39
36	Enhanced thermal stability and electrical behavior of Zn-doped Sb2Te films for phase change memory application. Applied Physics Letters, 2013, 102, .	3.3	39

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37	Structural relaxation and optical properties in amorphous Ge33As12Se55 films. Journal of Non-Crystalline Solids, 2007, 353, 950-952.	3.1	37
38	Optical properties and structural correlations of GeAsSe chalcogenide glasses. Journal of Materials Science: Materials in Electronics, 2007, 18, 389-392.	2.2	37
39	Composition dependences of refractive index and thermo-optic coefficient in Ge-As-Se chalcogenide glasses. Journal of Non-Crystalline Solids, 2017, 459, 88-93.	3.1	37
40	Fabrication of low loss Ge33As12Se55 (AMTIR-1) planar waveguides. Applied Physics Letters, 2007, 91, 011115.	3.3	36
41	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
42	Raman spectra of GexAsySe1â^'xâ^'y glasses. Journal of Applied Physics, 2009, 106, .	2.5	35
43	Second-harmonic generation in BaTiO3 films doped with cerium. Applied Physics Letters, 1998, 73, 2896-2898.	3.3	33
44	Plasma etching of As2S3 films for optical waveguides. Journal of Non-Crystalline Solids, 2008, 354, 3179-3183.	3.1	31
45	Crystallization kinetics and thermal stability in Geâ€"Sbâ€"Se glasses. Physica Status Solidi (B): Basic Research, 2013, 250, 59-64.	1.5	30
46	Effect of ZnO buffer layer on the quality of GaN films deposited by pulsed laser ablation. Thin Solid Films, 2002, 411, 69-75.	1.8	29
47	Thermal characterization of Geâ€"Asâ€"Se glasses by differential scanning calorimetry. Journal of Materials Science: Materials in Electronics, 2007, 18, 419-422.	2.2	29
48	Crystallization characteristics of Mg-doped Ge2Sb2Te5 films for phase change memory applications. Applied Surface Science, 2013, 264, 269-272.	6.1	29
49	High-resolution chalcogenide fiber bundles for infrared imaging. Optics Letters, 2015, 40, 4384.	3.3	29
50	Role of Ag inLa1â^'xAgxMnO3manganite perovskite. Physical Review B, 2005, 71, .	3.2	28
51	Thin film deposition of Ge33As12Se55 by pulsed laser deposition and thermal evaporation: Comparison of properties. Journal of Non-Crystalline Solids, 2007, 353, 947-949.	3.1	28
52	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
53	A new direct process to prepare YBa2Cu3O7â^'Î´ films on biaxially textured Ag{110}ã€ˆ211ã€‰. Physica C: Superconductivity and Its Applications, 1999, 328, 37-43.	1.2	27
54	Fabrication and characteristics of CeO2 films on Si(100) substrates by pulsed laser deposition. Journal of Crystal Growth, 1999, 200, 505-509.	1.5	26

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55	Defects in silicon nanowires. Applied Physics Letters, 2006, 88, 142104.	3.3	26
56	Enhanced thermoelectric properties in Cu-doped Sb 2 Te 3 films. Vacuum, 2017, 145, 347-350.	3.5	25
57	Photo-induced and Thermal Annealing of Chalcogenide Films for Waveguide Fabrication. Physics Procedia, 2013, 48, 196-205.	1.2	24
58	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
59	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
60	12â€“152â€‰â€‰Î¼m supercontinuum generation in a low-loss chalcohalide fiber pumped at a deep anomalous-dispersion region. Optics Letters, 2019, 44, 5545.	3.3	24
61	Dry etching characteristics of amorphous As2S3 film in CHF3 plasma. Journal of Applied Physics, 2008, 104, .	2.5	23
62	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
63	Nanoscale phase separation in ultrafast pulsed laser deposited arsenic trisulfide (As2S3) films and its effect on plasma etching. Journal of Applied Physics, 2007, 102, .	2.5	22
64	Reversibility and Stability of ZnO-Sb₂Te₃ Nanocomposite Films for Phase Change Memory Applications. ACS Applied Materials & Interfaces, 2014, 6, 8488-8496.	8.0	22
65	Near-zero anomalous dispersion Ge_115As_24Se_645 glass nanowires for correlated photon pair generation: design and analysis. Optics Express, 2012, 20, 776.	3.4	21
66	Positive and negative phototunability of chalcogenide (AMTIR-1) microdisk resonator. Optics Express, 2015, 23, 8681.	3.4	21
67	Mid-infrared supercontinuum in well-structured As Se fibers based on peeled-extrusion. Optical Materials, 2019, 89, 402-407.	3.6	21
68	Conversion of pâ€“n conduction type by spinodal decomposition in Zn-Sb-Bi phase-change alloys. NPG Asia Materials, 2020, 12, .	7.9	21
69	Third-order nonlinear optical properties of Ge-As-Te chalcogenide glasses in mid-infrared. Optical Materials Express, 2020, 10, 1413.	3.0	21
70	Transition threshold in GexSb10Se90â^'x glasses. Journal of Applied Physics, 2014, 115, .	2.5	20
71	Structural investigation on GexSb10Se90â^'x glasses using x-ray photoelectron spectra. Journal of Applied Physics, 2014, 115, 183506.	2.5	20
72	Third-order optical nonlinear properties of amorphous Si/SiO2 superlattices fabricated by magnetron sputtering. Optics Communications, 2000, 176, 239-243.	2.1	19

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73	Impact of the ROHS directive on high-performance electronic systems. Journal of Materials Science: Materials in Electronics, 2006, 18, 331-346.	2.2	19
74	Structural evolution of Ge2Sb2Te5 films under the 488nm laser irradiation. Materials Letters, 2012, 88, 148-151.	2.6	19
75	Fabrication and characterization of bare Ge-Sb-Se chalcogenide glass fiber taper. Infrared Physics and Technology, 2017, 80, 105-111.	2.9	19
76	Role of cobalt in ZnOâ€‰:â€‰Co thin films. Journal Physics D: Applied Physics, 2011, 44, 265002.	2.8	18
77	Structure and physical properties of GexAsySe1âˆ’xâˆ’y glasses with the same mean coordination number of 2.5. Journal of Applied Physics, 2011, 109, .	2.5	18
78	Emission properties of erbium-doped Ge-Ga-Se glasses, thin films and waveguides for laser amplifiers. Optical Materials Express, 2014, 4, 464.	3.0	18
79	Thermal conductivity of Ge_xSb(As)_ySe_{100â€xâ€y} glasses measured by Raman scattering spectra. Journal of Raman Spectroscopy, 2014, 45, 377-382.	2.5	18
80	Mid-infrared supercontinuum generation in a suspended-core tellurium-based chalcogenide fiber. Optical Materials Express, 2018, 8, 1341.	3.0	18
81	Intermediate crystallization kinetics in Germanium-Tellurides. Acta Materialia, 2019, 164, 473-480.	7.9	18
82	Advantages of Zn1.25Sb2Te3 material for phase change memory. Materials Letters, 2012, 87, 135-138.	2.6	17
83	Observation of photobleaching in Ge-deficient Ge16.8Se83.2 chalcogenide thin film with prolonged irradiation. Scientific Reports, 2017, 7, 14585.	3.3	17
84	Fabrication and characterization of Ge 20 Sb 15 Se 65 chalcogenide glass rib waveguides for telecommunication wavelengths. Thin Solid Films, 2013, 545, 462-465.	1.8	16
85	Silicon Mediated the Detoxiï¬cation of Cr on Pakchoi (Brassica Chinensis L.) in Cr-contaminated Soil. Procedia Environmental Sciences, 2013, 18, 58-67.	1.4	16
86	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
87	Controllable Formation of the Crystalline Phases in Geâ€"Gaâ€"S Chalcogenide Glassâ€Ceramics. Journal of the American Ceramic Society, 2017, 100, 74-80.	3.8	16
88	Nano-phase separation of arsenic tri-sulphide (As2S3) film and its effect on plasma etching. Journal of Non-Crystalline Solids, 2007, 353, 953-955.	3.1	15
89	Pulsed laser deposited InGaZnO thin film on silica glass. Journal of Non-Crystalline Solids, 2012, 358, 2466-2469.	3.1	15
90	Elastic transition thresholds in Geâ€"As(Sb)â€"Se glasses. Journal Physics D: Applied Physics, 2013, 46, 165302.	2.8	15

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91	Chemical order in GexAsySe1-x-y glasses probed by high resolution X-ray photoelectron spectroscopy. Journal of Applied Physics, 2014, 115, .	2.5	15
92	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
93	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
94	A protective layer on As2S3 film for photo-resist patterning. Journal of Non-Crystalline Solids, 2008, 354, 5253-5254.	3.1	14
95	Photoluminescence in Er-doped Ge-As-Se chalcogenide thin films. Optical Materials Express, 2012, 2, 1270.	3.0	14
96	Greater than 50% inversion in Erbium doped Chalcogenide waveguides. Optics Express, 2016, 24, 23304.	3.4	14
97	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
98	Growth of c-axis oriented GaN films on quartz by pulsed laser deposition. Optical Materials, 2003, 23, 15-20.	3.6	13
99	Tunable Ag surface-plasmon-resonance wavelength and its application on the photochromic behavior of TiO2â€"Ag films. Superlattices and Microstructures, 2009, 46, 159-165.	3.1	13
100	Structural investigations of Ge₅As_{<i>x</i>}Se_{95â^’<i>x</i>}and Ge₁₅As_{<i>x</i>}Se_{85â^’<i>x</i>}glasses using x-ray diffraction and extended x-ray fine structure spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 385802.	1.8	13
101	Structural and physical properties of Ge 11.5 As 24 S 64.5Â·x Se 64.5Â·(1â^’x) glasses. Journal of Non-Crystalline Solids, 2015, 427, 16-19.	3.1	13
102	High content Er3+-doped 25La2O3-75Ga2O3 glass: A potential material for high-power lasers or EDWA. Journal of Alloys and Compounds, 2020, 837, 155477.	5.5	13
103	Effects of TiO2 and ZrO2 on optical properties of organicâ€“inorganic hybrid polymers and thin films. Journal of Materials Science: Materials in Electronics, 2007, 18, 331-334.	2.2	12
104	Investigation of the structure of GexAsySe1â^’xâ^’y glasses by x-ray photoelectron spectroscopy. Journal of Applied Physics, 2008, 103, 083537.	2.5	12
105	Mid-infrared supercontinuum covering 2.0-16Âμm in a low-loss telluride single-mode fiber (Laser) Tj ETQq1 1 0.784314 rgBT /Overlo	8.7	12
106	Resolving glass transition in Te-based phase-change materials by modulated differential scanning calorimetry. Applied Physics Express, 2017, 10, 105601.	2.4	12
107	1.8â€“2.7â€μm emission from As-S-Se chalcogenide glasses containing ZnSe: Cr2+ particles. Journal of Non-Crystalline Solids, 2019, 508, 21-25.	3.1	12
108	Low-Loss Chalcogenide Fiber Prepared by Double Peeled-Off Extrusion. Journal of Lightwave Technology, 2020, 38, 4533-4539.	4.6	12

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109	High-Q, submicron-confined chalcogenide microring resonators. Optics Express, 2021, 29, 33225.	3.4	12
110	Properties of YBa2Cu3Oxâˆ’Î´ films on textured Ag tapes. Physica C: Superconductivity and Its Applications, 2000, 337, 101-105.	1.2	11
111	Ultraviolet lasing with low excitation intensity in deep-level emission free ZnO films. Journal of Crystal Growth, 2005, 282, 359-364.	1.5	11
112	Fluorine-doping concentration and fictive temperature dependence of self-trapped holes in SiO2 glasses. Journal of Applied Physics, 2005, 98, 023701.	2.5	11
113	SU-8 protective layer in photo-resist patterning on As2S3 film. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 3183-3186.	0.8	11
114	Amorphous (In2O3)x(Ga2O3)y(ZnO)1âˆ’xâˆ’y thin films with high mobility fabricated by pulsed laser deposition. Applied Surface Science, 2013, 282, 700-703.	6.1	11
115	Evidence of homopolar bonds in chemically stoichiometric Ge<i>_x</i>As<i>_y</i>Se_{1âˆ’}<i>_x</i>_{âˆ’}<i>_y</i> glasses. Applied Physics Express, 2015, 8, 015504.	2.4	11
116	Creation of ZnS nanoparticles by laser ablation in water. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
117	High quality, high index-contrast chalcogenide microdisk resonators. Optics Express, 2021, 29, 17775.	3.4	11
118	Photo-induced effects in Ge-As-Se films in various states. Optical Materials Express, 2020, 10, 540.	3.0	11
119	Photo-bleaching of self-trapped holes in SiO2 glass. Journal of Non-Crystalline Solids, 2005, 351, 1569-1572.	3.1	10
120	The effect of defects on the optical nonlinearity of thermally poled SiOx thin films. Thin Solid Films, 2008, 516, 5474-5477.	1.8	10
121	Improvement of thermal stability and phase change behavior of Ge2Sb2Te5 thin films by Calcium doping. Journal of Non-Crystalline Solids, 2020, 549, 120338.	3.1	10
122	Arsenic-free low-loss sulfide glass fiber for mid-infrared supercontinuum generation. Infrared Physics and Technology, 2021, 113, 103618.	2.9	10
123	Ultrafast laser micromachining the ultra-low expansion glass-ceramic: Optimization of processing parameters and physical mechanism. Journal of the European Ceramic Society, 2021, 41, 5990-5999.	5.7	10
124	Physical Aging of Arsenic Trisulfide Thick Films and Bulk Materials. Journal of the American Ceramic Society, 2007, 90, 1269-1271.	3.8	9
125	Bonding trends within ternary isocoordinate chalcogenide glasses GexAsySe1âˆ’xâˆ’y. Physical Chemistry Chemical Physics, 2013, 15, 4582.	2.8	9
126	Structure and properties of Geâ€“Sbâ€“Sâ€“CsCl glassâ€“ceramics. Materials Chemistry and Physics, 2014, 147, 545-549.	4.0	9

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127	New Methods Versus Old Questions: Crystallization Kinetics of S, Se, and Te. Crystal Growth and Design, 2019, 19, 1103-1110.	3.0	9
128	Sb-rich Znâ€“Sbâ€“Te phase-change materials: A candidate for the trade-off between crystallization speed and data retention. Applied Physics Express, 2014, 7, 105801.	2.4	8
129	Structural Modeling of Ge_{6.25}As_{32.5}Se_{61.25} Using a Combination of Reverse Monte Carlo and Ab Initio Molecular Dynamics. Journal of Physical Chemistry A, 2014, 118, 4790-4796.	2.5	8
130	The effect of thermal annealing on (In2O3)0.75(Ga2O3)0.1(ZnO)0.15 thin films with high mobility. Vacuum, 2014, 107, 191-194.	3.5	8
131	Fabrication and characterization of chalcogenide polarization-maintaining fibers based on extrusion. Optical Fiber Technology, 2017, 39, 26-31.	2.7	8
132	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
133	High-power all-fiber wavelength-widely-tunable Tm³⁺-doped fiber laser Q-switched by Tl-SA. Journal of Optics (United Kingdom), 2019, 21, 085501.	2.2	8
134	Understanding the complicated crystallization behaviors in Germanium-Tellurides. Journal of Non-Crystalline Solids, 2020, 531, 119862.	3.1	8
135	Investigation of tellurium-based chalcogenide double-clad fiber for coherent mid-infrared supercontinuum generation. Optical Fiber Technology, 2020, 55, 102144.	2.7	8
136	Optical properties and thermal stability of amorphous Geâ€“Sbâ€“Se films. Journal of Non-Crystalline Solids, 2020, 532, 119888.	3.1	8
137	Extruded seven-core tellurium chalcogenide fiber for mid-infrared. Optical Materials Express, 2019, 9, 3863.	3.0	8
138	PROPERTIES AND STRUCTURE OF Ag-DOPED As2Se3 GLASSES. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 49-57.	1.8	7
139	Surface Roughness in Plasma-Etched $hbox{As}_{f 2}hbox{S}_{f 3}$ Films: Its Origin and Improvement. IEEE Nanotechnology Magazine, 2008, 7, 285-290.	2.0	7
140	Unique interface-driven crystallization mechanism and element-resolved structure imaging of ZnO-Ge2Sb2Te5 nanocomposites. Ceramics International, 2018, 44, 22497-22503.	4.8	7
141	Crystallization kinetics with fragile-to-strong crossover in Zn-Sb-Te supercooled phase-change liquids. Applied Physics Letters, 2019, 115, .	3.3	7
142	Ultra-high germanium-contained Se-chalcogenide glass fiber for mid-infrared. Infrared Physics and Technology, 2020, 104, 103112.	2.9	7
143	Iodine-doped Ge-As-Se glasses with high purity and low dispersion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 229, 117885.	3.9	7
144	Dissipative soliton resonance in a simple linear cavity Tm³⁺-doped double clad fiber laser with dispersion management. Journal of Optics (United Kingdom), 2020, 22, 035505.	2.2	7

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145	Large mode-area chalcogenide multicore fiber prepared by continuous two-stage extrusion. Optical Materials Express, 2021, 11, 791.	3.0	7
146	Mid-infrared supercontinuum generation in low-loss single-mode Te-rich chalcogenide fiber. Optical Materials Express, 2019, 9, 3487.	3.0	7
147	Crystallization kinetics of monatomic antimony. Applied Physics Letters, 2021, 119, .	3.3	7
148	Mid-Infrared Single-Mode Ge-As-S Fiber for High Power Laser Delivery. Journal of Lightwave Technology, 2022, 40, 2151-2156.	4.6	7
149	Optical properties of amorphous Si/SiO2superlattice. Superlattices and Microstructures, 2000, 28, 157-163.	3.1	6
150	Stress reduction by ion bombardment in CeO2 films. Solid State Communications, 2000, 114, 613-616.	1.9	6
151	Deposition of high-temperature superconducting films on biaxially textured Ni(001) substrates. Physica C: Superconductivity and Its Applications, 2000, 337, 87-90.	1.2	6
152	Self-oxidized NiO on cube-textured Ni for YBCO coated superconductor. Physica C: Superconductivity and Its Applications, 2000, 339, 166-170.	1.2	6
153	In situhole doping of wide-gap semiconductors by dual-target simultaneous laser ablation: GaN and SiC epitaxial films. Applied Physics Letters, 2005, 87, 162106.	3.3	6
154	Fast crystallization and low-power amorphization of Mgâ€"Sbâ€"Te reversible phase-change films. CrystEngComm, 2014, 16, 7401-7405.	2.6	6
155	Emission properties of Er3+-doped Ge20Ga5Sb10Se65 glasses in near- and mid-infrared. Infrared Physics and Technology, 2018, 89, 277-281.	2.9	6
156	Structure and physical properties of Ge₁₅Sb₂₀Se_{65â€}<scp>_xS</scp>_x glasses. Journal of the American Ceramic Society, 2018, 101, 201-207.	3.8	6
157	X-ray photoelectron spectra of Ge-As-Te glasses. AIP Advances, 2018, 8, 075208.	1.3	6
158	Improved phase-change properties of Snâ€"Znâ€"Sb alloys with a two-step crystallization process for multi-level data storage applications. Ceramics International, 2019, 45, 16442-16449.	4.8	6
159	Ultraâ€large mode area midâ€infrared fiber based on chalcogenide glasses extrusion. Journal of the American Ceramic Society, 2021, 104, 343-349.	3.8	6
160	Effects of Ca doping on the crystallization kinetics of GeTe. Applied Physics Letters, 2021, 118, .	3.3	6
161	Fragile-to-strong crossover in optimized In-Sb-Te phase-change supercooled liquids. Physical Review Materials, 2020, 4, .	2.4	6
162	Integrated shadow mask for sampled Bragg gratings in chalcogenide (As_2S_3) planar waveguides. Optics Express, 2007, 15, 7708.	3.4	5

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163	Identifying the best chalcogenide glass compositions for the application in mid-infrared waveguides. Proceedings of SPIE, 2015, , .	0.8	5
164	Ab Initio Comparison of Bonding Environments and Threshold Behavior in Ge_{<i>x</i>}As₁₀Se_{90â€“<i>x</i>} and Ge_{<i>x</i>}Sb₁₀Se_{90â€“<i>x</i>} Glass Models. Journal of Physical Chemistry A, 2015, 119, 6421-6427.	2.5	5
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