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	All-fiber wavelength-widely tunable multi-pulse gain-switched Tm3+-doped double-clad fiber laser. Optics and Laser Technology, 2022, 148, 107710.	4.6	0
2	Mid-Infrared Single-Mode Ge-As-S Fiber for High Power Laser Delivery. Journal of Lightwave Technology, 2022, 40, 2151-2156.	4.6	7
3	Research on a novel chalcohalide glass and its physical optics properties. Infrared Physics and Technology, 2022, 122, 104079.	2.9	0
4	Influence of extrusion on the properties of chalcogenide glasses and fibers. Optics Communications, 2022, 513, 128091.	2.1	3
5	Low-loss single-mode Geâ€“Asâ€“Sâ€“Se glass fiber and its supercontinuum generation for mid-infrared. Optics Communications, 2022, 515, 128189.	2.1	0
6	Single-mode suspended large-core chalcohalide fiber with a low zero-dispersion wavelength for supercontinuum generation. Optics Express, 2022, 30, 641.	3.4	4
7	Se-H-free As₂Se₃ fiber and its spectral applications in the mid-infrared. Optics Express, 2022, 30, 24072.	3.4	3
8	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
9	Research on determining of cations in GeAsSeI chalcohalide glass. Journal of Non-Crystalline Solids, 2021, 553, 120466.	3.1	0
10	Can two-dimensional confinement trigger the fragile-to-strong crossover in phase-change supercooled liquids. Scripta Materialia, 2021, 192, 89-93.	5.2	5
11	Large mode-area chalcogenide multicore fiber prepared by continuous two-stage extrusion. Optical Materials Express, 2021, 11, 791.	3.0	7
12	Arsenic-free low-loss sulfide glass fiber for mid-infrared supercontinuum generation. Infrared Physics and Technology, 2021, 113, 103618.	2.9	10
13	A W-Type Double-Cladding IR Fiber With Ultra-High Numerical Aperture. Journal of Lightwave Technology, 2021, 39, 2158-2163.	4.6	1
14	Micro-Structure Changes Caused by Thermal Evolution in Chalcogenide GexAsySe1âˆ’xâˆ’y Thin Films by In Situ Measurements. Materials, 2021, 14, 2572.	2.9	2
15	Effects of Ca doping on the crystallization kinetics of GeTe. Applied Physics Letters, 2021, 118, .	3.3	6
16	High quality, high index-contrast chalcogenide microdisk resonators. Optics Express, 2021, 29, 17775.	3.4	11
17	Low loss and dispersion engineered ZnSe waveguides at telecom wavelengths. AIP Advances, 2021, 11, 065303.	1.3	2
18	High Q Chalcogenide Photonic Crystal Nanobeam Cavities. IEEE Photonics Technology Letters, 2021, 33, 525-528.	2.5	3

#	Article	IF	Citations
19	High extinctionâ€ratio microstructure fiber based on chalcogenide glasses. Journal of the American Ceramic Society, 2021, 104, 5671-5678.	3.8	0
20	Suppression of photo-induced effects in chemically stoichiometric Ge2667Ga8S6533 glasses. Optical Materials Express, 2021, 11, 2413.	3.0	2
21	Third-order optical nonlinearity in Ge-Se-Te chalcogenide glasses. Optical Materials, 2021, 117, 111208.	3.6	5
22	Short-pulse gain-switched Raman fiber laser based on conventional silica fibers. Optics and Laser Technology, 2021, 141, 107154.	4.6	2
23	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
24	Mid-infrared single-Mode As-S-Se glass fiber and its supercontinuum generation. Journal of Non-Crystalline Solids, 2021, 567, 120925.	3.1	4
25	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
26	High-Q, submicron-confined chalcogenide microring resonators. Optics Express, 2021, 29, 33225.	3.4	12
27	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
28	Crystallization kinetics of monatomic antimony. Applied Physics Letters, 2021, 119, .	3.3	7
29	Quantitative estimation of crystallization kinetics in GeGaS and Auâ€doped GeGaS glassâ€ceramics. Journal of the American Ceramic Society, 2020, 103, 1593-1599.	3.8	2
30	Understanding the complicated crystallization behaviors in Germanium-Tellurides. Journal of Non-Crystalline Solids, 2020, 531, 119862.	3.1	8
31	Ultra-high germanium-contained Se-chalcogenide glass fiber for mid-infrared. Infrared Physics and Technology, 2020, 104, 103112.	2.9	7
32	Can the copper completely suppress the photodarkening effect in As-Se films. Infrared Physics and Technology, 2020, 104, 103159.	2.9	1
33	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
34	Dispersion tuning and supercontinuum generating in novel W-typed chalcogenide fiber. Infrared Physics and Technology, 2020, 111, 103538.	2.9	5
35	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
36	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

#	Article	IF	Citations
37	The transport mechanisms at localized states of thin films of GexAsySe1-x-y chalcogenide glasses under off-equilibrium conditions. Thin Solid Films, 2020, 709, 138044.	1.8	2
38	Intermode beating mode-locking: Toward compact 2ÂÂµm short-pulse all-fiber lasers. Optical Fiber Technology, 2020, 58, 102253.	2.7	1
39	Low-Loss Chalcogenide Fiber Prepared by Double Peeled-Off Extrusion. Journal of Lightwave Technology, 2020, 38, 4533-4539.	4.6	12
40	Multiple singularities of optical properties in GexTe100-x films. Infrared Physics and Technology, 2020, 106, 103280.	2.9	2
41	Conversion of pâ€“n conduction type by spinodal decomposition in Zn-Sb-Bi phase-change alloys. NPG Asia Materials, 2020, 12, .	7.9	21
42	Investigation of tellurium-based chalcogenide double-clad fiber for coherent mid-infrared supercontinuum generation. Optical Fiber Technology, 2020, 55, 102144.	2.7	8
43	Optical properties and thermal stability of amorphous Geâ€“Sbâ€“Se films. Journal of Non-Crystalline Solids, 2020, 532, 119888.	3.1	8
44	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
45	Enhancement of luminescence in Er3+ doped Ge20Ga10S70 glass-ceramics. Optical Materials, 2020, 100, 109677.	3.6	4
46	Fragile-to-strong crossover in optimized In-Sb-Te phase-change supercooled liquids. Physical Review Materials, 2020, 4, .	2.4	6
47	Photo-induced effects in Ge-As-Se films in various states. Optical Materials Express, 2020, 10, 540.	3.0	11
48	Dispersion-tunable chalcogenide tri-cladding fiber based on novel continuous two-stage extrusion. Optical Materials Express, 2020, 10, 1034.	3.0	4
49	Third-order nonlinear optical properties of Ge-As-Te chalcogenide glasses in mid-infrared. Optical Materials Express, 2020, 10, 1413.	3.0	21
50	Fabrication of high-Q Ge28Sb12Se60 chalcogenide microring resonators in telecommunication band. , 2020, , .		0
51	Design and fabrication of As2Se3 chalcogenide waveguides with low optical losses. Applied Optics, 2020, 59, 1564.	1.8	5
52	Dependence of thermal stability in the composition of Ge-As-Te films. Optical Materials Express, 2020, 10, 2944.	3.0	1
53	Femto- and nano-second laser-induced damages in chalcogenide glasses. Japanese Journal of Applied Physics, 2019, 58, 080911.	1.5	4
54	New Methods Versus Old Questions: Crystallization Kinetics of S, Se, and Te. Crystal Growth and Design, 2019, 19, 1103-1110.	3.0	9

#	Article	IF	Citations
55	Crystallization kinetics with fragile-to-strong crossover in Zn-Sb-Te supercooled phase-change liquids. Applied Physics Letters, 2019, 115, .	3.3	7
56	The ability of Ge_xGa₄S_{96-x}chalcogenide glasses dissolving rare earth probed by x-ray photoelectron spectra analysis. Materials Research Express, 2019, 6, 085212.	1.6	3
57	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
58	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
59	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
60	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
61	Study of glass transition kinetics of As ₂ S ₃ and As ₂ Se ₃ by ultrafast differential scanning calorimetry. Chinese Physics B, 2019, 28, 047802.	1.4	4
62	On-line temperature measurement using single-ended distributed cascading fiber Bragg gratings-based Brillouin optical fiber sensor. Measurement Science and Technology, 2019, 30, 035105.	2.6	0
63	1.8â€“2.7â€Î¼m emission from As-S-Se chalcogenide glasses containing ZnSe: Cr2+ particles. Journal of Non-Crystalline Solids, 2019, 508, 21-25.	3.1	12
64	Mid-infrared supercontinuum in well-structured As Se fibers based on peeled-extrusion. Optical Materials, 2019, 89, 402-407.	3.6	21
65	Generation of 100ÂnJ pulse, 1ÂW average power at from an intermode beating mode-locked all-fiber laser. High Power Laser Science and Engineering, 2019, 7, .	4.6	3
66	Optic fiber temperature sensor based on cascading fiber Bragg gratings. AIP Advances, 2019, 9, 015206.	1.3	0
67	Intermediate crystallization kinetics in Germanium-Tellurides. Acta Materialia, 2019, 164, 473-480.	7.9	18
68	Mid-infrared flattened supercontinuum generation in all-normal dispersion tellurium chalcogenide fiber. Optics Express, 2019, 27, 2036.	3.4	62
69	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
70	Mid-infrared supercontinuum generation in low-loss single-mode Te-rich chalcogenide fiber. Optical Materials Express, 2019, 9, 3487.	3.0	7
71	Extruded seven-core tellurium chalcogenide fiber for mid-infrared. Optical Materials Express, 2019, 9, 3863.	3.0	8
72	Emission properties of Er3+-doped Ge20Ga5Sb10Se65 glasses in near- and mid-infrared. Infrared Physics and Technology, 2018, 89, 277-281.	2.9	6

#	Article	IF	Citations
73	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
74	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
75	Understanding the fast crystallization kinetics of Inâ€“Sbâ€“Te by using ultrafast calorimetry. CrystEngComm, 2018, 20, 159-163.	2.6	4
76	Shortening Nucleation Time to Enable Ultrafast Phase Transition in Zn₁Sb₇Te₁₂ Pseudo-Binary Alloy. Langmuir, 2018, 34, 15143-15149.	3.5	5
77	Unique interface-driven crystallization mechanism and element-resolved structure imaging of ZnO-Ge2Sb2Te5 nanocomposites. Ceramics International, 2018, 44, 22497-22503.	4.8	7
78	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
79	Mid-infrared supercontinuum generation in a suspended-core tellurium-based chalcogenide fiber. Optical Materials Express, 2018, 8, 1341.	3.0	18
80	X-ray photoelectron spectra of Ge-As-Te glasses. AIP Advances, 2018, 8, 075208.	1.3	6
81	Fabrication and Characterization of Three-hole As₂S₃ Suspended-Core Fibers Based on Robust Extrusion. IEEE Access, 2018, 6, 41093-41098.	4.2	4
82	Photonic mid-infrared nulling for exoplanet detection on a planar chalcogenide platform. , 2018, , .		0
83	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
84	Unraveling the Crystallization Kinetics of Supercooled Liquid GeTe by Ultrafast Calorimetry. Crystal Growth and Design, 2017, 17, 3687-3693.	3.0	87
85	Concentration-dependent and enhanced luminescence in Ge 23.5 Ga 11.5 Se 65 glasses and glass-ceramics doped with Er 3+. Optical Materials, 2017, 67, 1-6.	3.6	3
86	Midâ€infrared supercontinuum covering 2.0â€“16ÂÎ¼m in a lowâ€loss telluride singleâ€mode fiber. Laser and Photonics Reviews, 2017, 11, 1700005.	8.7	136
87	Mid-infrared supercontinuum covering 2.0-16ÂÎ¼m in a low-loss telluride single-mode fiber (Laser) Tj ETQq1 1 0.784314 rgBT /Overlock	8.7	12
88	Fabrication and characterization of chalcogenide polarization-maintaining fibers based on extrusion. Optical Fiber Technology, 2017, 39, 26-31.	2.7	8
89	Optical and structural properties of Ge-Ga-Te amorphous thin films fabricated by magnetron sputtering. Infrared Physics and Technology, 2017, 86, 181-186.	2.9	5
90	Enhanced thermoelectric properties in Cu-doped Sb 2 Te 3 films. Vacuum, 2017, 145, 347-350.	3.5	25

#	Article	IF	Citations
91	Mid-infrared femtosecond laser-induced damages in As2S3 and As2Se3 chalcogenide glasses. Scientific Reports, 2017, 7, 6497.	3.3	40
92	Observation of photobleaching in Ge-deficient Ge16.8Se83.2 chalcogenide thin film with prolonged irradiation. Scientific Reports, 2017, 7, 14585.	3.3	17
93	Fabrication and characterization of bare Ge-Sb-Se chalcogenide glass fiber taper. Infrared Physics and Technology, 2017, 80, 105-111.	2.9	19
94	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
95	Resolving glass transition in Te-based phase-change materials by modulated differential scanning calorimetry. Applied Physics Express, 2017, 10, 105601.	2.4	12
96	Mid-infrared astrophotonics: study of ultrafast laser induced index change in compatible materials. Optical Materials Express, 2017, 7, 698.	3.0	40
97	Waveguides for Nonlinear Optics in the Mid-Infrared. , 2017, , .		0
98	Greater than 50% inversion in Erbium doped Chalcogenide waveguides. Optics Express, 2016, 24, 23304.	3.4	14
99	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
100	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
101	Experimental demonstration of linearly polarized 2â€“10â€‰â€‰Î¼m supercontinuum generation in a chalcogenide rib waveguide. Optics Letters, 2016, 41, 958.	3.3	96
102	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
103	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
104	Ultrabroad supercontinuum generated from a highly nonlinear Geâ€“Sbâ€“Se fiber. Optics Letters, 2016, 41, 3201.	3.3	73
105	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
106	Epitaxial growth of Sc2O3 films on Gd2O3-buffered Si substrates by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	3
107	Creation of ZnS nanoparticles by laser ablation in water. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
108	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

#	Article	IF	Citations
109	Spectroscopy Application of Linearly Polarized 2-10 Î¼m Supercontinuum in a Chalcogenide Rib Waveguide. , 2016, , .		1
110	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
111	Identifying the best chalcogenide glass compositions for the application in mid-infrared waveguides. Proceedings of SPIE, 2015, , .	0.8	5
112	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
113	Evidence of homopolar bonds in chemically stoichiometric Ge<i>_x</i>As<i>_y</i>Se_{1â^'}<i>_x</i>_{â^'}<i>_y</i> glasses. Applied Physics Express, 2015, 8, 015504.	2.4	11
114	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
115	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
116	Mid-infrared optical nonlinearities of chalcogenide glasses in Ge-Sb-Se ternary system. Optics Express, 2015, 23, 1300.	3.4	48
117	Positive and negative phototunability of chalcogenide (AMTIR-1) microdisk resonator. Optics Express, 2015, 23, 8681.	3.4	21
118	Fabrication and characterization of multimaterial chalcogenide glass fiber tapers with high numerical apertures. Optics Express, 2015, 23, 23472.	3.4	48
119	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
120	Mid infrared supercontinuum generation from chalcogenide glass waveguides and fibers. , 2015, , .		1
121	High-resolution chalcogenide fiber bundles for infrared imaging. Optics Letters, 2015, 40, 4384.	3.3	29
122	A two-octave broadband quasi-continuous mid-infrared supercontinuum generated in a chalcogenide glass waveguide. , 2014, , .		0
123	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
124	Transition threshold in GexSb10Se90â^'x glasses. Journal of Applied Physics, 2014, 115, .	2.5	20
125	A Broadband Mid-Infrared Supercontinuum Generated in a Short Chalcogenide Glass Waveguide. , 2014, , .		0
126	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

#	Article	IF	Citations
127	Systematic z-scan measurements of the third order nonlinearity of chalcogenide glasses. Optical Materials Express, 2014, 4, 1011.	3.0	160
128	A broadband, quasi-continuous, mid-infrared supercontinuum generated in a chalcogenide glass waveguide. Laser and Photonics Reviews, 2014, 8, 792-798.	8.7	141
129	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
130	Fast crystallization and low-power amorphization of Mgâ€“Sbâ€“Te reversible phase-change films. CrystEngComm, 2014, 16, 7401-7405.	2.6	6
131	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
132	Structural investigation on GexSb10Se90â^'x glasses using x-ray photoelectron spectra. Journal of Applied Physics, 2014, 115, 183506.	2.5	20
133	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
134	Reversibility and Stability of ZnO-Sb₂Te₃ Nanocomposite Films for Phase Change Memory Applications. ACS Applied Materials & Interfaces, 2014, 6, 8488-8496.	8.0	22
135	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
136	Chemical order in GexAsySe1-x-y glasses probed by high resolution X-ray photoelectron spectroscopy. Journal of Applied Physics, 2014, 115, .	2.5	15
137	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
138	Structure and properties of Geâ€“Sbâ€“Sâ€“CsCl glassâ€“ceramics. Materials Chemistry and Physics, 2014, 147, 545-549.	4.0	9
139	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
140	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
141	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
142	Amorphous (In2O3)x(Ga2O3)y(ZnO)1â^'xâ^'y thin films with high mobility fabricated by pulsed laser deposition. Applied Surface Science, 2013, 282, 700-703.	6.1	11
143	Photo-induced and Thermal Annealing of Chalcogenide Films for Waveguide Fabrication. Physics Procedia, 2013, 48, 196-205.	1.2	24
144	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

#	Article	IF	Citations
145	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
146	Investigation of bonding within ab initio models of GeAsSe glasses. Chemical Physics Letters, 2013, 575, 97-100.	2.6	3
147	Enhanced thermal stability and electrical behavior of Zn-doped Sb2Te films for phase change memory application. Applied Physics Letters, 2013, 102, .	3.3	39
148	Spraying Silicon and/or Cerium Sols Favorably Mediated Enhancement of Cd/Pb Tolerance in Lettuce Grown in Combined Cd/Pb Contaminated Soil. Procedia Environmental Sciences, 2013, 18, 68-77.	1.4	3
149	Crystallization characteristics of Mg-doped Ge2Sb2Te5 films for phase change memory applications. Applied Surface Science, 2013, 264, 269-272.	6.1	29
150	Bonding trends within ternary isocoordinate chalcogenide glasses GexAsySe1âˆ’xâˆ’y. Physical Chemistry Chemical Physics, 2013, 15, 4582.	2.8	9
151	Correlation between Structural and Physical Properties in Geâ€“Sbâ€“Se Glasses. Journal of Physical Chemistry C, 2013, 117, 16571-16576.	3.1	89
152	Crystallization kinetics and thermal stability in Geâ€“Sbâ€“Se glasses. Physica Status Solidi (B): Basic Research, 2013, 250, 59-64.	1.5	30
153	Elastic transition thresholds in Geâ€“As(Sb)â€“Se glasses. Journal Physics D: Applied Physics, 2013, 46, 165302.	2.8	15
154	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
155	Mid-infrared supercontinuum generation in chalcogenides. Optical Materials Express, 2013, 3, 1075.	3.0	158
156	Supercontinuum generation in the mid-infrared using dispersion engineered chalcogenide glass waveguides. , 2013, , .		1
157	Chalcogenide glass waveguides for the mid-infrared. , 2013, , .		0
158	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
159	Photoluminescence in Er-doped Ge-As-Se chalcogenide thin films. Optical Materials Express, 2012, 2, 1270.	3.0	14
160	Supercontinuum generation in the mid-infrared from a dispersion-engineered As_2S_3 glass rib waveguide. Optics Letters, 2012, 37, 3870.	3.3	75
161	Silver-doped arsenic selenide (Ag-As<inf>2</inf>Se<inf>3</inf>) waveguides for compact nonlinear optical devices. , 2012, , .		0
162	Phase change behaviors of Zn-doped Ge₂Sb₂Te₅ films. Applied Physics Letters, 2012, 101, 051906.	3.3	61

#	Article	IF	Citations
163	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
164	Advantages of Zn1.25Sb2Te3 material for phase change memory. Materials Letters, 2012, 87, 135-138.	2.6	17
165	Structural evolution of Ge2Sb2Te5 films under the 488nm laser irradiation. Materials Letters, 2012, 88, 148-151.	2.6	19
166	Te-based chalcogenide films with high thermal stability for phase change memory. Journal of Applied Physics, 2012, 111, 093514.	2.5	4
167	Pulsed laser deposited InGaZnO thin film on silica glass. Journal of Non-Crystalline Solids, 2012, 358, 2466-2469.	3.1	15
168	Structural investigations of Ge₅As_{<i>x</i>}Se_{95âˆ’<i>x</i>}and Ge₁₅As_{<i>x</i>}Se_{85âˆ’<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
169	Photoluminescence in Er-doped Ge-As-Se chalcogenide thin films. , 2011, , .		0
170	Role of cobalt in ZnOâ€‰:â€‰Co thin films. Journal Physics D: Applied Physics, 2011, 44, 265002.	2.8	18
171	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
172	The impact of thermal- and photo-annealing of chalcogenide films for optical waveguides. , 2011, , .		0
173	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
174	Thermal annealing of arsenic tri-sulphide thin film and its influence on device performance. Journal of Applied Physics, 2010, 107, 053106.	2.5	39
175	Chalcogenide glasses for nonlinear photonics. , 2010, , .		0
176	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
177	Progress in optical waveguides fabricated from chalcogenide glasses. Optics Express, 2010, 18, 26635.	3.4	131
178	Green light-induced annealing of As2S3 thin films and its impact on waveguides performance. , 2010, , .		0
179	Observation of two elastic thresholds in GexAsySe1âˆ’xâˆ’y glasses. Journal of Applied Physics, 2009, 105, .	2.5	40
180	Fabrication of sub-micron Thick, low loss As<inf>2</inf>S<inf>3</inf> planar waveguides. , 2009, , .		0

#	Article	IF	Citations
181	Raman spectra of GexAsySe1âˆ’xâˆ’y glasses. Journal of Applied Physics, 2009, 106, .	2.5	35
182	Properties and stability of Ge-As-Se evaporated thin films for nonlinear waveguides. , 2009, , .		0
183	Optically nonlinear chalcogenide glasses for all- optical signal processing. , 2009, , .		0
184	Energy levels of self-trapped holes in amorphous SiO₂: fictive temperature dependence. Journal Physics D: Applied Physics, 2009, 42, 095418.	2.8	0
185	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
186	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
187	Ge11.5As24Se64.5 Glass: a New Material for the Fabrication of Highly Nonlinear (Î³â‰ˆ33,000Wâˆ’1kmâˆ’1) Dispersion Engineered Waveguides. , 2009, , .		0
188	Affect of ZnO Thin Film of Pulsed Laser Deposition by Substrate Temperatures. Zhongguo Jiguang/Chinese Journal of Lasers, 2009, 36, 1539-1544.	1.2	1
189	The effect of defects on the optical nonlinearity of thermally poled SiOx thin films. Thin Solid Films, 2008, 516, 5474-5477.	1.8	10
190	Surface Oxidation of Ge₃₃As₁₂Se₅₅ Films. Journal of the American Ceramic Society, 2008, 91, 2371-2373.	3.8	2
191	Plasma etching of As2S3 films for optical waveguides. Journal of Non-Crystalline Solids, 2008, 354, 3179-3183.	3.1	31
192	A protective layer on As2S3 film for photo-resist patterning. Journal of Non-Crystalline Solids, 2008, 354, 5253-5254.	3.1	14
193	The evolution of bond structure in Ge33As12Se55 films upon thermal annealing. Journal of Non-Crystalline Solids, 2008, 354, 5264-5265.	3.1	0
194	Properties of Ge_xAs_ySe_1-x-y glasses for all-optical signal processing. Optics Express, 2008, 16, 2804.	3.4	124
195	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
196	Dry etching characteristics of amorphous As2S3 film in CHF3 plasma. Journal of Applied Physics, 2008, 104, .	2.5	23
197	Investigation of the structure of GexAsySe1âˆ’xâˆ’y glasses by x-ray photoelectron spectroscopy. Journal of Applied Physics, 2008, 103, 083537.	2.5	12
198	Nonlinear materials for integrated ultra-fast all-optical devices. , 2008, , .		0

#	Article	IF	Citations
199	Novel Shadow Mask Structure for Sampled Bragg Gratings in Chalcogenide (As<inf>2</inf>S<inf>3</inf>) Planar Waveguides. , 2007, , .		0
200	Optimization of the Structural and Optical Properties of Ge-As-Se Glasses. , 2007, , .		0
201	Fabrication of low loss Ge33As12Se55 (AMTIR-1) planar waveguides. Applied Physics Letters, 2007, 91, 011115.	3.3	36
202	High Quality Comb Filters in Chalcogenide Rib Waveguides. , 2007, , .		0
203	Characteristics of Ge-As-Se chalcogenide glasses and films. , 2007, , .		0
204	Highly Optical Nonlinear Ag-doped As<inf>2</inf>Se<inf>3</inf> Glasses: Preparation and Characterization. , 2007, , .		0
205	Fabrication Process Development for As<inf>2</inf>S<inf>3</inf> Planar Waveguides using Standard Semiconductor Processing. , 2007, , .		0
206	PROPERTIES AND STRUCTURE OF Ag-DOPED As2Se3 GLASSES. Journal of Nonlinear Optical Physics and Materials, 2007, 16, 49-57.	1.8	7
207	Investigation of intensity and spectrum of silicon nanowires by ESR. , 2007, , .		0
208	Integrated shadow mask for sampled Bragg gratings in chalcogenide (As_2S_3) planar waveguides. Optics Express, 2007, 15, 7708.	3.4	5
209	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
210	Structural relaxation and optical properties in amorphous Ge33As12Se55 films. Journal of Non-Crystalline Solids, 2007, 353, 950-952.	3.1	37
211	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
212	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
213	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
214	Fabrication of As<inf>2</inf>S<inf>3</inf> Planar Waveguides with Very Low Propagation Loss. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
215	Fabrication of GaN/ZnO bilayers on sapphire by pulsed laser ablation-deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1427-1431.	0.8	0
216	Physical Aging of Arsenic Trisulfide Thick Films and Bulk Materials. Journal of the American Ceramic Society, 2007, 90, 1269-1271.	3.8	9

#	Article	IF	Citations
217	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
218	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
219	Optical properties and structural correlations of GeAsSe chalcogenide glasses. Journal of Materials Science: Materials in Electronics, 2007, 18, 389-392.	2.2	37
220	Distributions of self-trapped hole continuums in silica glass. Journal of Applied Physics, 2006, 100, 013706.	2.5	4
221	Defects in silicon nanowires. Applied Physics Letters, 2006, 88, 142104.	3.3	26
222	Optical characterization of Ge-As-Se glasses containing high content of germanium. , 2006, , .		1
223	Annealing induced phase transformations in amorphous As2S3 films. Journal of Applied Physics, 2006, 100, 063524.	2.5	51
224	Ultrashort Gaussian pulse-width expansion and shape deformation induced by group velocity dispersion. JETP Letters, 2006, 84, 425-429.	1.4	3
225	Impact of the ROHS directive on high-performance electronic systems. Journal of Materials Science: Materials in Electronics, 2006, 18, 331-346.	2.2	19
226	Advanced processing methods for As<inf>2</inf>S<inf>3</inf> Waveguide Fabrication. , 2006, , .		1
227	Fabrication and Optical Characterization of Ge33As12Se55 (AMTIR-1) Thin Film Waveguides. , 2006, , .		1
228	Ultraviolet lasing with low excitation intensity in deep-level emission free ZnO films. Journal of Crystal Growth, 2005, 282, 359-364.	1.5	11
229	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
230	Role of Ag inLa1âˆ’xAgxMnO3manganite perovskite. Physical Review B, 2005, 71, .	3.2	28
231	Fluorine-doping concentration and fictive temperature dependence of self-trapped holes in SiO2 glasses. Journal of Applied Physics, 2005, 98, 023701.	2.5	11
232	STRUCTURAL AND OPTICAL CHARACTERIZATION OF ZnO SINGLE CRYSTALLINE NANOBAMBOOS. International Journal of Modern Physics B, 2005, 19, 2804-2810.	2.0	2
233	Photo-bleaching of self-trapped holes in SiO2 glass. Journal of Non-Crystalline Solids, 2005, 351, 1569-1572.	3.1	10
234	Growth of c-axis oriented GaN films on quartz by pulsed laser deposition. Optical Materials, 2003, 23, 15-20.	3.6	13

#	Article	IF	Citations
235	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
236	Nb-doped CaTiO3 transparent semiconductor thin films. Journal of Crystal Growth, 2002, 245, 63-66.	1.5	39
237	High quality YBCO superconductive thin films fabricated by laser molecular beam epitaxy. Science in China Series A: Mathematics, 2001, 44, 947-952.	0.5	1
238	Optical properties of amorphous Si/SiO2superlattice. Superlattices and Microstructures, 2000, 28, 157-163.	3.1	6
239	Stress reduction by ion bombardment in CeO2 films. Solid State Communications, 2000, 114, 613-616.	1.9	6
240	Third-order optical nonlinear properties of amorphous Si/SiO2 superlattices fabricated by magnetron sputtering. Optics Communications, 2000, 176, 239-243.	2.1	19
241	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
242	Preparation of Ni-based multilayered tape and its potential application for the coating of YBa2Cu3O7â^'Î´. Physica C: Superconductivity and Its Applications, 2000, 337, 96-100.	1.2	1
243	Properties of YBa2Cu3Oxâ^'Î´ films on textured Ag tapes. Physica C: Superconductivity and Its Applications, 2000, 337, 101-105.	1.2	11
244	Self-oxidized NiO on cube-textured Ni for YBCO coated superconductor. Physica C: Superconductivity and Its Applications, 2000, 339, 166-170.	1.2	6
245	Raman spectral study of silicon nanowires: High-order scattering and phonon confinement effects. Physical Review B, 2000, 61, 16827-16832.	3.2	255
246	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
247	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
248	Structural characteristics of -axis-oriented PrBa2Cu3O7 thin films grown by pulsed laser deposition. Journal of Crystal Growth, 1999, 204, 293-297.	1.5	1
249	CeO2 thin films grown on biaxially textured nickel (001). Science Bulletin, 1998, 43, 1718-1722.	1.7	0
250	Second-harmonic generation in BaTiO3 films doped with cerium. Applied Physics Letters, 1998, 73, 2896-2898.	3.3	33
251	Fundamental and Second-Order Raman Spectra of BaT iO3. Journal of Raman Spectroscopy, 1996, 27, 31-34.	2.5	62