Eugene Bychkov

List of Publications by Year
in descending order

146 papers	2,394 citations	201385 27 h-index	276539 41 g-index
146 all docs	146 docs citations	146 times ranked	1406 citing authors

#	Article	IF	Citations
1	Hydrogen Peroxide, Potassium Currents, and Membrane Potential in Human Endothelial Cells. Circulation, 1999, 99, 1719-1725.	1.6	96
2	Compositional changes of the first sharp diffraction peak in binary selenide glasses. Physical Review B, 2005, 72, .	1.1	87
3	Chalcogenide glass chemical sensors: Research and analytical applications. Talanta, 1994, 41, 1059-1063.	2.9	73
4	Percolation transition in Ag-doped germanium chalcogenide-based glasses: conductivity and silver diffusion results. Journal of Non-Crystalline Solids, 1996, 208, 1-20.	1.5	69
5	Short, intermediate and mesoscopic range order in sulfur-rich binary glasses. Journal of Non-Crystalline Solids, 2006, 352, 63-70.	1.5	68
6	Topological changes in glassyGeSe2at pressures up to9.3GPadetermined by high-energy x-ray and neutron diffraction measurements. Physical Review B, 2006, 74, .	1.1	64
7	Superionic and ion-conducting chalcogenide glasses: Transport regimes and structural features. Solid State Ionics, 2009, 180, 510-516.	1.3	58
8	Copper ion-selective chalcogenide glass electrodes. Analytica Chimica Acta, 1986, 185, 137-158.	2.6	57
9	Cross-sensitivity of chalcogenide glass sensors in solutions of heavy metal ions. Sensors and Actuators B: Chemical, 1996, 34, 456-461.	4.0	56
10	Analytical applications of chalcogenide glass chemical sensors in environmental monitoring and process control. Sensors and Actuators B: Chemical, 1995, 24, 309-311.	4.0	50
11	Density variations in liquid tellurium: Roles of rings, chains, and cavities. Physical Review B, 2010, 81, .	1.1	48
12	Drastic Connectivity Change in High Refractive Index Lanthanum Niobate Glasses. Chemistry of Materials, 2013, 25, 3056-3061.	3.2	48
13	Wastewater treatment by cyclodextrin polymers and noble metal/mesoporous TiO2 photocatalysts. Comptes Rendus Chimie, 2015, 18, 23-31.	0.2	47
14	Network Rigidity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>GeSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Glass at High Pressure. Physical Review Letters, 2008, 100, 115501.	2.9	46
15	Unraveling the atomic structure of Ge-rich sulfide glasses. Physical Chemistry Chemical Physics, 2013, 15, 8487.	1.3	45
16	Raman spectroscopy of glasses in the Asâ€“Te system. Journal of Solid State Chemistry, 2012, 190, 271-276.	1.4	44
17	Ionic and electronic conductivity in the copper-silver-arsenic-selenium glasses. Solid State Ionics, 1984, 14, 329-335.	1.3	41
18	Compositional dependence of ionic conductivity and diffusion in mixed chalcogen Ag-containing glasses. Solid State Ionics, 1987, 24, 179-187.	1.3	40

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19	Ion transport regimes in chalcogenide and chalcohalide glasses: from the host to the cation-related network connectivity. Solid State Ionics, 2002, 154-155, 349-359.	1.3	39
20	Spatially resolved Raman analysis of laser induced refractive index variation in chalcogenide glass. Optical Materials Express, 2012, 2, 1768.	1.6	39
21	CsCl effect on the optical properties of the 80GeS2â€“20Ga2S3 base glass. Applied Physics A: Materials Science and Processing, 2012, 106, 697-702.	1.1	37
22	Tracer diffusion studies of ion-conducting chalcogenide glasses. Solid State Ionics, 2000, 136-137, 1111-1118.	1.3	36
23	Tracer and surface spectroscopy studies of sensitivity mechanism of mercury ion chalcogenide glass sensors. Sensors and Actuators B: Chemical, 1999, 57, 171-178.	4.0	35
24	Universal trend of the Haven ratio in glasses: origin and structural evidences from neutron diffraction and small-angle neutron scattering. Journal of Non-Crystalline Solids, 2001, 293-295, 211-219.	1.5	35
25	Elecrochemical ion-selective sensors based on chalcogenide glasses. Sensors and Actuators, 1987, 12, 275-283.	1.8	34
26	121-Sb MÃ¶ssbauer study of insulating and ion-conducting antimony chalcogenide-based glasses. Journal of Non-Crystalline Solids, 1993, 159, 162-172.	1.5	33
27	Structure of Seâ€“Te glasses by Raman spectroscopy and <scp>DFT</scp> modeling. Journal of the American Ceramic Society, 2018, 101, 5188-5197.	1.9	31
28	Characterization of Nb-doped WO3 thin films produced by Electrostatic Spray Deposition. Thin Solid Films, 2013, 534, 32-39.	0.8	30
29	Neutron diffraction studies of Ag2Sâ€“As2S3 glasses in the percolation and modifier-controlled domains. Solid State Ionics, 2000, 136-137, 1041-1048.	1.3	28
30	Structural Changes in Vitreous GeSe₄ under Pressure. Journal of Physical Chemistry C, 2012, 116, 2212-2217.	1.5	25
31	Direct laser writing of buried waveguide in As_2S_3 glass using a helical sample translation. Optics Letters, 2013, 38, 4212.	1.7	24
32	Silver ion sensors based on Agî—¸Asî—¸Seî—¸Te glasses I. Ionic sensitivity and bulk membrane transport. Sensors and Actuators B: Chemical, 1990, 2, 23-31.	4.0	23
33	Thin-layer chemical sensors based on chemically deposited and modified chalcogenide glasses. Sensors and Actuators B: Chemical, 1993, 15, 184-187.	4.0	23
34	110Ag tracer diffusion study of percolation transition in Ag2Sâ€“As2S3 glasses. Solid State Ionics, 2000, 136-137, 1091-1096.	1.3	23
35	Sodium Ion-Selective Chalcogenide Glass Electrodes. Analytical Letters, 1989, 22, 1125-1144.	1.0	22
36	Chemical and structural origin of conductivity changes in CdSeâ€“AgIâ€“As2Se3 glasses. Solid State Ionics, 2010, 181, 466-472.	1.3	22

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37	Silver bromide based chalcogenide glassy-crystalline ion-selective electrodes. Analyst, The, 1989, 114, 185.	1.7	21
38	Development and analytical evaluation of a multisensor system for water quality monitoring. Sensors and Actuators B: Chemical, 1995, 27, 377-379.	4.0	21
39	Ion-selective field-effect transistor and chalcogenide glass ion-selective electrode systems for biological investigations and industrial applications. Analyst, The, 1994, 119, 449.	1.7	17
40	Free carrier accumulation during direct laser writing in chalcogenide glass by light filamentation. Optics Express, 2011, 19, 20088.	1.7	17
41	Bulk Glassy GeTe₂: A Missing Member of the Tetrahedral GeX₂ Family and a Precursor for the Next Generation of Phase-Change Materials. Chemistry of Materials, 2021, 33, 1031-1045.	3.2	17
42	Mechanism studies on lead ion-selective chalcogenide glass sensors. Sensors and Actuators B: Chemical, 1992, 10, 55-60.	4.0	16
43	Structural analysis of xCsCl(1âˆ’x)Ga2S3 glasses by means of DFT calculations and Raman spectroscopy. Journal of Raman Spectroscopy, 2010, 41, 1050-1058.	1.2	16
44	Influence of NaX (X=I or Cl) additions on GeS2â€“Ga2S3 based glasses. Journal of Solid State Chemistry, 2014, 220, 238-244.	1.4	16
45	Direct laser writing of a low-loss waveguide with independent control over the transverse dimension and the refractive index contrast between the core and the cladding. Optics Letters, 2016, 41, 3507.	1.7	16
46	Telluride glasses with far-infrared transmission up to 35Âµm. Optical Materials, 2017, 72, 809-812.	1.7	16
47	Pressure-Driven Chemical Disorder in Glassy As₂S₃ up to 14.7 GPa, Postdensification Effects, and Applications in Materials Design. Journal of Physical Chemistry B, 2020, 124, 430-442.	1.2	16
48	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> glass under high hydrostatic pressure: Polyamorphism, relaxation, and metallization. Physical Review B, 201	1.1	15
49	Glassy GaS: transparent and unusually rigid thin films for visible to mid-IR memory applications. Physical Chemistry Chemical Physics, 2020, 22, 25560-25573.	1.3	15
50	Chalcogenide glass chemical sensors for determination of thallium in natural and waste water. Sensors and Actuators B: Chemical, 1994, 19, 373-375.	4.0	14
51	Chalcogenide glass chemical sensors: Relationship between ionic response, surface ion exchange and bulk membrane transport. Journal of Electroanalytical Chemistry, 1994, 378, 201-204.	1.9	14
52	Cu2+-selective thin films for chemical microsensors based on sputtered copperâ€”arsenicâ€”selenium glass. Sensors and Actuators B: Chemical, 1995, 25, 733-736.	4.0	14
53	Ionic Conduction in Glasses. Physica Status Solidi A, 1999, 173, 317-322.	1.7	14
54	Intermediate- and short-range order in phosphorus-selenium glasses. Physical Review B, 2011, 83, .	1.1	14

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55	Refractive index variations induced by femtosecond laser direct writing in the bulk of As2S3 glass at high repetition rate. Optical Materials, 2011, 33, 872-876.	1.7	14
56	Direct Volumetric Study of High-Pressure Driven Polyamorphism and Relaxation in the Glassy Germanium Chalcogenides. Journal of Physical Chemistry B, 2016, 120, 358-363.	1.2	14
57	Na+ ion conducting glasses in the NaCl-Ga2S3-GeS2 system: A critical percolation regime. Solid State Ionics, 2017, 299, 2-7.	1.3	14
58	Advanced characterization of cryogenic 9Ni steel using synchrotron radiation, neutron scattering and 57Fe MÃ¶ssbauer spectroscopy. Materials and Design, 2018, 146, 219-227.	3.3	14
59	Tracking the Effects of Rigidity Percolation Down to the Liquid State: Relaxational Dynamics of Binary Chalcogen Melts. Physical Review Letters, 2008, 100, 245902.	2.9	13
60	Mercury thioarsenate glasses: a hybrid chain/pyramidal network. RSC Advances, 2014, 4, 49236-49246.	1.7	13
61	Bent HgI₂ Molecules in the Melt and Sulfide Glasses: Implications for Nonlinear Optics. Chemistry of Materials, 2019, 31, 4103-4112.	3.2	13
62	Ni-implanted vitreous electrolyte AgAsS2: ECR, ionic and electronic conductivity. Solid State Ionics, 1991, 45, 1-7.	1.3	12
63	Production and surface analytical characterization of various chalcogenide glass thin films for analytical microdevices. Surface and Coatings Technology, 1997, 97, 707-712.	2.2	12
64	Chalcogenide Glass Chemical Sensor for Cadmium Detection in Industrial Environment. ECS Transactions, 2013, 50, 357-362.	0.3	12
65	Chemical and Structural Variety in Sodium Thioarsenate Glasses Studied by Neutron Diffraction and Supported by First-Principles Simulations. Inorganic Chemistry, 2020, 59, 16410-16420.	1.9	12
66	Unraveling the Atomic Structure of Bulk Binary Gaâ€“Te Glasses with Surprising Nanotectonic Features for Phase-Change Memory Applications. ACS Applied Materials & Interfaces, 2021, 13, 37363-37379.	4.0	12
67	Atypical phase-change alloy Ga₂Te₃: atomic structure, incipient nanotectonic nuclei, and multilevel writing. Journal of Materials Chemistry C, 2021, 9, 17019-17032.	2.7	12
68	Oscillations of ionic conductivity of Agî—¸Asî—¸Seî—¸Te chalcogenide glasses. Solid State Ionics, 1986, 18-19, 467-471.	1.3	11
69	EPR study of different states of iron impurity in chalcogenide glasses. Journal of Non-Crystalline Solids, 1990, 119, 263-268.	1.5	11
70	Neutron and X-ray diffraction studies of TeCl4 and TeBr4 liquids. Journal of Non-Crystalline Solids, 2008, 354, 259-262.	1.5	11
71	Morphology of waveguide written by femtosecond laser in glass. Journal of Non-Crystalline Solids, 2009, 355, 1832-1835.	1.5	11
72	Spectroscopic studies of chalcogenide glass membranes of chemical sensors: local structure and ionic response. Sensors and Actuators B: Chemical, 1995, 27, 351-359.	4.0	10

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73	New chalcogenide glasses in the CdTeâ€“AgIâ€“As2Te3 system. Materials Research Bulletin, 2012, 47, 193-198.	2.7	10
74	129I-MÃ¶ssbauer spectroscopic study of iodide-containing chalcogenide glasses. Hyperfine Interactions, 1990, 55, 921-925.	0.2	9
75	Synthesis and properties of new CdSeâ€“AgIâ€“As2Se3 chalcogenide glasses. Materials Research Bulletin, 2011, 46, 210-215.	2.7	9
76	Ionic and electronic transport in AgIâ€“As2Te3 glasses. Solid State Ionics, 2013, 253, 181-184.	1.3	9
77	Ionic-to-Electronic Conductivity Crossover in CdTeâ€“AgIâ€“As₂Te₃ Glasses: An ^{110m}Ag Tracer Diffusion Study. Journal of Physical Chemistry B, 2018, 122, 4179-4186.	1.2	9
78	Fe-doped sodium aluminosilicate thin films: conductivity, microstructural organization and sensor properties. Solid State Ionics, 1994, 74, 165-178.	1.3	8
79	EXAFS studies of Cu+ ion conducting and semiconducting copper chalcogenide and chalcohalide glasses. Journal of Non-Crystalline Solids, 1998, 232-234, 314-322.	1.5	8
80	Ion Conductivity and Sensors. Semiconductors and Semimetals, 2004, 80, 103-168.	0.4	8
81	110mAg tracer diffusion studies of CdSeâ€“AgIâ€“As2Se3 glasses. Solid State Ionics, 2010, 181, 1467-1472.	1.3	8
82	204Tl tracer diffusion and conductivity in thallium thiogermanate glasses. Solid State Ionics, 2013, 253, 101-109.	1.3	8
83	Microstructural and Mechanical Properties of 9%Ni Steels Used for the Construction of LNG Storage Tanks. Advanced Materials Research, 0, 936, 1953-1957.	0.3	8
84	New membrane material for thallium (I)-selective sensors based on arsenic sulfide glasses. Sensors and Actuators B: Chemical, 2015, 207, 940-944.	4.0	8
85	Tl2S-GeS-GeS2 system: Glass formation, macroscopic properties, and charge transport. Journal of Alloys and Compounds, 2019, 777, 902-914.	2.8	8
86	Structural analysis of xCsCl(1â^’x)Ga2S3 glasses. Journal of Non-Crystalline Solids, 2008, 354, 134-137.	1.5	7
87	Laser filamentation in chalcogenide glass. , 2010, , .		7
88	Mixed cation effect in Ag2Sâ€“Tl2Sâ€“GeSâ€“GeS2 glasses: Conductivity and tracer diffusion studies. Solid State Ionics, 2015, 273, 55-58.	1.3	7
89	High-precision measurements of the compressibility and the electrical resistivity of bulk g-As2Te3 glasses at a hydrostatic pressure up to 8.5 GPa. Journal of Experimental and Theoretical Physics, 2017, 125, 451-464.	0.2	7
90	Ultrafast Laser Inscription of High-Performance Mid-Infrared Waveguides in Chalcogenide Glass. IEEE Photonics Technology Letters, 2018, 30, 2123-2126.	1.3	7

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91	129I-MÃ¶ssbauer study of diffusion effects in the superionic conductor Ag3SI. Hyperfine Interactions, 1990, 56, 1495-1501.	0.2	6
92	Silver ion sensors based on Ag-As-Se-Te glasses II. Surface studies and tracer measurements of ion response. Sensors and Actuators B: Chemical, 1990, 2, 43-49.	4.0	6
93	129I-MÃ¶ssbauer and X-Ray Diffraction Studies of the Iodine-Fullerene Compound C60(I2)âˆ'2. Molecular Crystals and Liquid Crystals, 1994, 245, 313-320.	0.3	6
94	Lead Detection in Industrial Atmospheric Particles. Journal of the Physical Society of Japan, 2010, 79, 173-176.	0.7	6
95	Mercury Sulfide Dimorphism in Thioarsenate Glasses. Journal of Physical Chemistry B, 2016, 120, 5278-5290.	1.2	6
96	High-precision measurements of the compressibility of chalcogenide glasses at a hydrostatic pressure up to 9 GPa. Journal of Experimental and Theoretical Physics, 2016, 123, 308-317.	0.2	6
97	Ionic transport in AgIâ€HgSâ€As₂S₃ glasses: Critical percolation and modifierâ€controlled domains. Journal of the American Ceramic Society, 2018, 101, 2287-2296.	1.9	6
98	Ionic Conductivity and Tracer Diffusion in Glassy Chalcogenides. , 2021, , 203-249.		6
99	In-cloud processing as a possible source of isotopically light iron from anthropogenic aerosols: New insights from a laboratory study. Atmospheric Environment, 2021, 259, 118505.	1.9	6
100	129I-MÃ¶ssbaurer study of superionic glasses AgIâˆ'Sb2S3: Local structure and diffusion effects. Hyperfine Interactions, 1992, 69, 709-712a.	0.2	5
101	Ionic transport crossover in mixed conducting chalcogenide glasses detected by 125Te-MÃ¶ssbauer spectroscopy. Journal of Non-Crystalline Solids, 1999, 260, 180-187.	1.5	5
102	Superionic AgIâ€"MInâ€"Sb2S3 glasses (M=Pb, Sb): conduction pathways associated with additional metal iodide. Solid State Ionics, 2002, 154-155, 749-757.	1.3	5
103	Electrical properties of glasses in the AgI-As2Te3 system. Glass Physics and Chemistry, 2004, 30, 519-522.	0.2	5
104	Ag2S-As2S3-TlI chalcogenide glasses as perspective material for solid-state chemical sensors. Russian Journal of Applied Chemistry, 2014, 87, 1044-1048.	0.1	5
105	Connectivity enhancement of highly porous WO₃nanostructured thin films by in situ growth of K_{0.33}WO₃nanowires. CrystEngComm, 2014, 16, 1228-1231.	1.3	5
106	The AgI-HgS-As2S3 glassy system: Macroscopic properties and Raman scattering studies. Journal of Alloys and Compounds, 2016, 685, 752-760.	2.8	5
107	Correlation between the Structures of Geï£¿S Glasses and that of Impurity Mn²⁺ Complexes. Physica Status Solidi (B): Basic Research, 1988, 149, 427-433.	0.7	4
108	Conversion electron mÃ¶ssbauer spectroscopic study of Fe-Implanted AgAsS2 Glass. Journal of Non-Crystalline Solids, 1989, 113, 203-209.	1.5	4

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109	Ion-implanted chalcogenide glasses as membrane materials for solid-state chemical sensors. Sensors and Actuators B: Chemical, 1992, 7, 501-504.	4.0	4
110	Experimental and Theoretical Insights into the Structure of Tellurium Chloride Glasses. Inorganic Chemistry, 2018, 57, 2517-2528.	1.9	4
111	Ionic transport and atomic structure of AgI-HgS-GeS₂ glasses. Pure and Applied Chemistry, 2019, 91, 1807-1820.	0.9	4
112	Mercury Thiogermanate Glasses HgS-GeS₂: Vibrational, Macroscopic, and Electric Properties. Journal of Physical Chemistry B, 2020, 124, 7075-7085.	1.2	4
113	Mixed cation Ag₂Sâ€“Tl₂Sâ€“GeS₂ glasses: macroscopic properties and Raman scattering studies. Journal of Physics Condensed Matter, 2020, 32, 264004.	0.7	4
114	129I-MÃ¶ssbauer study of molecular dynamics in the organic superconductor Î²-(BEDT-TTF)2I3. Hyperfine Interactions, 1992, 70, 1179-1184.	0.2	3
115	Copper(II)-ion response of Cuî—Asî—Se thin-film sensors in a flow-through microcell. Sensors and Actuators B: Chemical, 1995, 27, 384-387.	4.0	3
116	129I-MÃ¶ssbauer spectroscopy study of MIâ€“As2Se3 (M=Ag, Cu) superionic chalcohalide glasses. Solid State Ionics, 2002, 154-155, 265-271.	1.3	3
117	Structure of Te[sub 1âˆ'x]Cl[sub x] Liquids. AIP Conference Proceedings, 2008, , .	0.3	3
118	Study of the pseudo-ternary Ag2Sî—As2S3î—HgI2 vitreous system. Journal of Solid State Chemistry, 2013, 199, 264-270.	1.4	3
119	Tl+ ion Conducting Glasses in the Tl-Ge-S System. Physics Procedia, 2013, 44, 35-44.	1.2	3
120	[INVITED] Tailoring the morphology of photowritten buried waveguides by helical trajectory in As2S3 glass. Optics and Laser Technology, 2016, 78, 56-61.	2.2	3
121	Dimeric Molecular Structure of Molten Gallium Trichloride and a Hidden Evolution toward a Possible Liquidâ€“Liquid Transition. Journal of Physical Chemistry B, 2019, 123, 10260-10266.	1.2	3
122	Intrinsic secondâ€order nonlinearity in chalcogenide glasses containing HgI₂. Journal of the American Ceramic Society, 2020, 103, 3070-3075.	1.9	3
123	High-Precision Studies of the Compressibility and Relaxation of g-As2S3 Glasses at High Hydrostatic Pressures up to 8.6 GPa. Journal of Experimental and Theoretical Physics, 2020, 130, 571-578.	0.2	3
124	Anomalous small-angle X-ray scattering of a femtosecond irradiated germano silicate fibre preform. Journal of Non-Crystalline Solids, 2005, 351, 2200-2204.	1.5	2
125	204Tl tracer diffusion and conductivity in thallium germanium sulphide glasses over a wide composition range. Journal of Electroceramics, 2015, 34, 63-68.	0.8	2
126	Alkali Halideâ€Doped Ga 2 S 3 â€“GeS 2 Glasses. Physica Status Solidi (B): Basic Research, 2020, 257, 2000115.	0.7	2

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127	Laboratory study of iron isotope fractionation during dissolution of mineral dust and industrial ash in simulated cloud water. Chemosphere, 2022, 299, 134472.	4.2	2
128	Raman spectra of MCl-Ga₂S₃-GeS₂ (MÂ=ÂNa, K, Rb) glasses. Pure and Applied Chemistry, 2022, 94, 181-188.	0.9	2
129	ESR and MÃ¶ssbauer spectroscopy of iron-doped Agî—¸Asî—¸S and Geî—¸Sbî—¸Se glasses. Journal of Non-Crystalline Solids, 1987, 97-98, 659-662.	1.5	1
130	Silver diffusion anomaly in Cuâ€“Agâ€“Asâ€“Se glasses: a chalcogen site analysis using 125Te-MÃ¶ssbauer spectroscopy. Journal of Non-Crystalline Solids, 2002, 298, 109-115.	1.5	1
131	Metallization in the molten and solid state and phase diagrams of the GeSe2 and GeS2 under high pressure. JETP Letters, 2014, 100, 451-454.	0.4	1
132	108mAg tracer diffusion in HgI2â€“Ag2Sâ€“As2S3 glass system. Solid State Ionics, 2014, 262, 821-823.	1.3	1
133	X-Ray and Neutron Scattering Studies of the 9Ni Cryogenic Steel and its Weld Joint. Materials Science Forum, 2016, 879, 697-702.	0.3	1
134	Unexpected role of metal halides in a chalcogenide glass network. Materials and Design, 2022, 216, 110547.	3.3	1
135	Influence of the pulse energy on the morphology of waveguide written by use of femtosecond laser. , 2009, , .		0
136	Waveguides photo-written by femtosecond laser filament in chalcogenide glass. , 2011, , .		0
137	Zero-dimensional cryogenic glasses and supercooled liquids in the Se-Cl system. , 2013, , .		0
138	Spatially resolved correlation between glass structure and refractive index modifications resulting from irradiation of chalcogenide glass by femtosecond pulse train. MATEC Web of Conferences, 2013, 8, 04005.	0.1	0
139	Inscription of infrared waveguides in chalcogenide glasses by femtosecond laser. , 2015, , .		0
140	Direct femtosecond laser writing of buried infrared waveguides in chalcogenide glasses. Proceedings of SPIE, 2016, , .	0.8	0
141	New strategy for direct laser writing of low loss waveguide. , 2017, , .		0
142	Macroscopic and electric properties in the CdTe-AgI-As2Se3 system. Materials Research Bulletin, 2018, 107, 264-270.	2.7	0
143	Mid-IR s-SNOM imaging of photo-induced refractive index variation in chalcogenide glass. , 2019, , .		0
144	New Method for Direct Laser Writing of High Performances Near and Mid-infrared Waveguides. , 2018, , .		0

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145	Chemically-invariant percolation in silver thioarsenate glasses and two ion-transport regimes over 5 orders of magnitude in Ag content. Journal of Non-Crystalline Solids, 2022, 584, 121513.	1.5	0
146	Lead thioarsenate system PbSâ€“As ₂ S ₃ : Glass formation, macroscopic, and electric properties. Journal of the American Ceramic Society, 2022, 105, 2605-2615.	1.9	0