Eugene Bychkov

List of Publications by Year
in descending order

146 papers	2,394 citations	201674 27 h-index	276875 41 g-index
146 all docs	146 docs citations	146 times ranked	1406 citing authors

#	ARTICLE	IF	CITATIONS
1	Unexpected role of metal halides in a chalcogenide glass network. Materials and Design, 2022, 216, 110547.	7.0	1
2	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.	3.1	0
3	Laboratory study of iron isotope fractionation during dissolution of mineral dust and industrial ash in simulated cloud water. Chemosphere, 2022, 299, 134472.	8.2	2
4	Lead thioarsenate system PbSâ€“As ₂ S ₃ : Glass formation, macroscopic, and electric properties. Journal of the American Ceramic Society, 2022, 105, 2605-2615.	3.8	0
5	Raman spectra of MCl-Ga₂S₃-GeS₂ (MÂ=ÂNa, K, Rb) glasses. Pure and Applied Chemistry, 2022, 94, 181-188.	1.9	2
6	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.	6.7	17
7	Ionic Conductivity and Tracer Diffusion in Glassy Chalcogenides. , 2021, , 203-249.		6
8	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.	8.0	12
9	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.	4.1	6
10	Atypical phase-change alloy Ga₂Te₃: atomic structure, incipient nanotectonic nuclei, and multilevel writing. Journal of Materials Chemistry C, 2021, 9, 17019-17032.	5.5	12
11	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.	2.6	16
12	Glassy GaS: transparent and unusually rigid thin films for visible to mid-IR memory applications. Physical Chemistry Chemical Physics, 2020, 22, 25560-25573.	2.8	15
13	Chemical and Structural Variety in Sodium Thioarsenate Glasses Studied by Neutron Diffraction and Supported by First-Principles Simulations. Inorganic Chemistry, 2020, 59, 16410-16420.	4.0	12
14	Mercury Thiogermanate Glasses HgS-GeS₂: Vibrational, Macroscopic, and Electric Properties. Journal of Physical Chemistry B, 2020, 124, 7075-7085.	2.6	4
15	Alkali Halideâ€Doped Ga 2 S 3 â€“GeS 2 Glasses. Physica Status Solidi (B): Basic Research, 2020, 257, 2000115.	1.5	2
16	Mixed cation Ag₂Sâ€“Tl₂Sâ€“GeS₂ glasses: macroscopic properties and Raman scattering studies. Journal of Physics Condensed Matter, 2020, 32, 264004.	1.8	4
17	Intrinsic secondâ€order nonlinearity in chalcogenide glasses containing HgI₂. Journal of the American Ceramic Society, 2020, 103, 3070-3075.	3.8	3
18	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.	0.9	3

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19	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.	2.6	3
20	Bent HgI₂ Molecules in the Melt and Sulfide Glasses: Implications for Nonlinear Optics. Chemistry of Materials, 2019, 31, 4103-4112.	6.7	13
21	Ionic transport and atomic structure of AgI-HgS-GeS₂ glasses. Pure and Applied Chemistry, 2019, 91, 1807-1820.	1.9	4
22	Mid-IR s-SNOM imaging of photo-induced refractive index variation in chalcogenide glass. , 2019, , .		0
23	Tl2S-GeS-GeS2 system: Glass formation, macroscopic properties, and charge transport. Journal of Alloys and Compounds, 2019, 777, 902-914.	5.5	8
24	Experimental and Theoretical Insights into the Structure of Tellurium Chloride Glasses. Inorganic Chemistry, 2018, 57, 2517-2528.	4.0	4
25	Ionic transport in AgIâ€HgSâ€As₂S₃ glasses: Critical percolation and modifierâ€controlled domains. Journal of the American Ceramic Society, 2018, 101, 2287-2296.	3.8	6
26	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.	2.6	9
27	Advanced characterization of cryogenic 9Ni steel using synchrotron radiation, neutron scattering and 57Fe MÃ¶ssbauer spectroscopy. Materials and Design, 2018, 146, 219-227.	7.0	14
28	Ultrafast Laser Inscription of High-Performance Mid-Infrared Waveguides in Chalcogenide Glass. IEEE Photonics Technology Letters, 2018, 30, 2123-2126.	2.5	7
29	Structure of Seâ€“Te glasses by Raman spectroscopy and <scp>DFT</scp> modeling. Journal of the American Ceramic Society, 2018, 101, 5188-5197.	3.8	31
30	Macroscopic and electric properties in the CdTe-AgI-As2Se3 system. Materials Research Bulletin, 2018, 107, 264-270.	5.2	0
31	New Method for Direct Laser Writing of High Performances Near and Mid-infrared Waveguides. , 2018, , .		0
32	<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	3.2	15
33	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.	0.9	7
34	New strategy for direct laser writing of low loss waveguide. , 2017, , .		0
35	Telluride glasses with far-infrared transmission up to 35Âµm. Optical Materials, 2017, 72, 809-812.	3.6	16
36	Na+ ion conducting glasses in the NaCl-Ga2S3-GeS2 system: A critical percolation regime. Solid State Ionics, 2017, 299, 2-7.	2.7	14

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37	Mercury Sulfide Dimorphism in Thioarsenate Glasses. Journal of Physical Chemistry B, 2016, 120, 5278-5290.	2.6	6
38	The AgI-HgS-As2S3 glassy system: Macroscopic properties and Raman scattering studies. Journal of Alloys and Compounds, 2016, 685, 752-760.	5.5	5
39	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.	0.9	6
40	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
41	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.	3.3	16
42	[INVITED] Tailoring the morphology of photowritten buried waveguides by helical trajectory in As2S3 glass. Optics and Laser Technology, 2016, 78, 56-61.	4.6	3
43	Direct femtosecond laser writing of buried infrared waveguides in chalcogenide glasses. Proceedings of SPIE, 2016, , .	0.8	0
44	Direct Volumetric Study of High-Pressure Driven Polyamorphism and Relaxation in the Glassy Germanium Chalcogenides. Journal of Physical Chemistry B, 2016, 120, 358-363.	2.6	14
45	Mixed cation effect in Ag2Sâ€"Tl2Sâ€"GeSâ€"GeS2 glasses: Conductivity and tracer diffusion studies. Solid State Ionics, 2015, 273, 55-58.	2.7	7
46	Inscription of infrared waveguides in chalcogenide glasses by femtosecond laser. , 2015, , .		0
47	Wastewater treatment by cyclodextrin polymers and noble metal/mesoporous TiO2 photocatalysts. Comptes Rendus Chimie, 2015, 18, 23-31.	0.5	47
48	New membrane material for thallium (I)-selective sensors based on arsenic sulfide glasses. Sensors and Actuators B: Chemical, 2015, 207, 940-944.	7.8	8
49	204Tl tracer diffusion and conductivity in thallium germanium sulphide glasses over a wide composition range. Journal of Electroceramics, 2015, 34, 63-68.	2.0	2
50	Metallization in the molten and solid state and phase diagrams of the GeSe2 and GeS2 under high pressure. JETP Letters, 2014, 100, 451-454.	1.4	1
51	Influence of NaX (X=I or Cl) additions on GeS2â€"Ga2S3 based glasses. Journal of Solid State Chemistry, 2014, 220, 238-244.	2.9	16
52	Ag2S-As2S3-TlI chalcogenide glasses as perspective material for solid-state chemical sensors. Russian Journal of Applied Chemistry, 2014, 87, 1044-1048.	0.5	5
53	Mercury thioarsenate glasses: a hybrid chain/pyramidal network. RSC Advances, 2014, 4, 49236-49246.	3.6	13
54	Connectivity enhancement of highly porous WO₃nanostructured thin films by in situ growth of K_{0.33}WO₃nanowires. CrystEngComm, 2014, 16, 1228-1231.	2.6	5

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55	108mAg tracer diffusion in HgI2â€“Ag2Sâ€“As2S3 glass system. Solid State Ionics, 2014, 262, 821-823.	2.7	1
56	Characterization of Nb-doped WO3 thin films produced by Electrostatic Spray Deposition. Thin Solid Films, 2013, 534, 32-39.	1.8	30
57	Ionic and electronic transport in AgIâ€“As2Te3 glasses. Solid State Ionics, 2013, 253, 181-184.	2.7	9
58	Unraveling the atomic structure of Ge-rich sulfide glasses. Physical Chemistry Chemical Physics, 2013, 15, 8487.	2.8	45
59	Study of the pseudo-ternary Ag2Sî—¸As2S3î—¸HgI2 vitreous system. Journal of Solid State Chemistry, 2013, 199, 264-270.	2.9	3
60	204Tl tracer diffusion and conductivity in thallium thiogermanate glasses. Solid State Ionics, 2013, 253, 101-109.	2.7	8
61	Tl+ ion Conducting Glasses in the Tl-Ge-S System. Physics Procedia, 2013, 44, 35-44.	1.2	3
62	Drastic Connectivity Change in High Refractive Index Lanthanum Niobate Glasses. Chemistry of Materials, 2013, 25, 3056-3061.	6.7	48
63	Direct laser writing of buried waveguide in As_2S_3 glass using a helical sample translation. Optics Letters, 2013, 38, 4212.	3.3	24
64	Chalcogenide Glass Chemical Sensor for Cadmium Detection in Industrial Environment. ECS Transactions, 2013, 50, 357-362.	0.5	12
65	Zero-dimensional cryogenic glasses and supercooled liquids in the Se-Cl system. , 2013, , .		0
66	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.	0.2	0
67	Spatially resolved Raman analysis of laser induced refractive index variation in chalcogenide glass. Optical Materials Express, 2012, 2, 1768.	3.0	39
68	Structural Changes in Vitreous GeSe₄ under Pressure. Journal of Physical Chemistry C, 2012, 116, 2212-2217.	3.1	25
69	New chalcogenide glasses in the CdTeâ€“AgIâ€“As2Te3 system. Materials Research Bulletin, 2012, 47, 193-198.	5.2	10
70	Raman spectroscopy of glasses in the Asâ€“Te system. Journal of Solid State Chemistry, 2012, 190, 271-276.	2.9	44
71	CsCl effect on the optical properties of the 80GeS2â€“20Ga2S3 base glass. Applied Physics A: Materials Science and Processing, 2012, 106, 697-702.	2.3	37
72	Waveguides photo-written by femtosecond laser filament in chalcogenide glass. , 2011, , .		0

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73	Intermediate- and short-range order in phosphorus-selenium glasses. Physical Review B, 2011, 83, .	3.2	14
74	Free carrier accumulation during direct laser writing in chalcogenide glass by light filamentation. Optics Express, 2011, 19, 20088.	3.4	17
75	Synthesis and properties of new CdSeâ€“AgIâ€“As2Se3 chalcogenide glasses. Materials Research Bulletin, 2011, 46, 210-215.	5.2	9
76	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.	3.6	14
77	Lead Detection in Industrial Atmospheric Particles. Journal of the Physical Society of Japan, 2010, 79, 173-176.	1.6	6
78	Chemical and structural origin of conductivity changes in CdSeâ€“AgIâ€“As2Se3 glasses. Solid State Ionics, 2010, 181, 466-472.	2.7	22
79	Structural analysis of xCsCl(1âˆ’x)Ga2S3 glasses by means of DFT calculations and Raman spectroscopy. Journal of Raman Spectroscopy, 2010, 41, 1050-1058.	2.5	16
80	110mAg tracer diffusion studies of CdSeâ€“AgIâ€“As2Se3 glasses. Solid State Ionics, 2010, 181, 1467-1472.	2.7	8
81	Density variations in liquid tellurium: Roles of rings, chains, and cavities. Physical Review B, 2010, 81, .	3.2	48
82	Laser filamentation in chalcogenide glass. , 2010, , .		7
83	Influence of the pulse energy on the morphology of waveguide written by use of femtosecond laser. , 2009, , .		0
84	Superionic and ion-conducting chalcogenide glasses: Transport regimes and structural features. Solid State Ionics, 2009, 180, 510-516.	2.7	58
85	Morphology of waveguide written by femtosecond laser in glass. Journal of Non-Crystalline Solids, 2009, 355, 1832-1835.	3.1	11
86	Structural analysis of xCsCl(1âˆ’x)Ga2S3 glasses. Journal of Non-Crystalline Solids, 2008, 354, 134-137.	3.1	7
87	Neutron and X-ray diffraction studies of TeCl4 and TeBr4 liquids. Journal of Non-Crystalline Solids, 2008, 354, 259-262.	3.1	11
88	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.	7.8	46
89	Tracking the Effects of Rigidity Percolation Down to the Liquid State: Relaxational Dynamics of Binary Chalcogen Melts. Physical Review Letters, 2008, 100, 245902.	7.8	13
90	Structure of Te[sub 1âˆ’x]Cl[sub x] Liquids. AIP Conference Proceedings, 2008, , .	0.4	3

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91	Short, intermediate and mesoscopic range order in sulfur-rich binary glasses. Journal of Non-Crystalline Solids, 2006, 352, 63-70.	3.1	68
92	Topological changes in glassyGeSe2at pressures up to9.3GPadetermined by high-energy x-ray and neutron diffraction measurements. Physical Review B, 2006, 74, .	3.2	64
93	Compositional changes of the first sharp diffraction peak in binary selenide glasses. Physical Review B, 2005, 72, .	3.2	87
94	Anomalous small-angle X-ray scattering of a femtosecond irradiated germano silicate fibre preform. Journal of Non-Crystalline Solids, 2005, 351, 2200-2204.	3.1	2
95	Electrical properties of glasses in the AgI-As2Te3 system. Glass Physics and Chemistry, 2004, 30, 519-522.	0.7	5
96	Ion Conductivity and Sensors. Semiconductors and Semimetals, 2004, 80, 103-168.	0.7	8
97	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.	3.1	1
98	129I-MÃ¶ssbauer spectroscopy study of MIâ€“As2Se3 (M=Ag, Cu) superionic chalcohalide glasses. Solid State Ionics, 2002, 154-155, 265-271.	2.7	3
99	Superionic AgIâ€“MInâ€“Sb2S3 glasses (M=Pb, Sb): conduction pathways associated with additional metal iodide. Solid State Ionics, 2002, 154-155, 749-757.	2.7	5
100	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.	2.7	39
101	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.	3.1	35
102	Neutron diffraction studies of Ag2Sâ€“As2S3 glasses in the percolation and modifier-controlled domains. Solid State Ionics, 2000, 136-137, 1041-1048.	2.7	28
103	110Ag tracer diffusion study of percolation transition in Ag2Sâ€“As2S3 glasses. Solid State Ionics, 2000, 136-137, 1091-1096.	2.7	23
104	Tracer diffusion studies of ion-conducting chalcogenide glasses. Solid State Ionics, 2000, 136-137, 1111-1118.	2.7	36
105	Hydrogen Peroxide, Potassium Currents, and Membrane Potential in Human Endothelial Cells. Circulation, 1999, 99, 1719-1725.	1.6	96
106	Tracer and surface spectroscopy studies of sensitivity mechanism of mercury ion chalcogenide glass sensors. Sensors and Actuators B: Chemical, 1999, 57, 171-178.	7.8	35
107	Ionic Conduction in Glasses. Physica Status Solidi A, 1999, 173, 317-322.	1.7	14
108	Ionic transport crossover in mixed conducting chalcogenide glasses detected by 125Te-MÃ¶ssbauer spectroscopy. Journal of Non-Crystalline Solids, 1999, 260, 180-187.	3.1	5

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109	EXAFS studies of Cu+ ion conducting and semiconducting copper chalcogenide and chalcohalide glasses. Journal of Non-Crystalline Solids, 1998, 232-234, 314-322.	3.1	8
110	Production and surface analytical characterization of various chalcogenide glass thin films for analytical microdevices. Surface and Coatings Technology, 1997, 97, 707-712.	4.8	12
111	Percolation transition in Ag-doped germanium chalcogenide-based glasses: conductivity and silver diffusion results. Journal of Non-Crystalline Solids, 1996, 208, 1-20.	3.1	69
112	Cross-sensitivity of chalcogenide glass sensors in solutions of heavy metal ions. Sensors and Actuators B: Chemical, 1996, 34, 456-461.	7.8	56
113	Spectroscopic studies of chalcogenide glass membranes of chemical sensors: local structure and ionic response. Sensors and Actuators B: Chemical, 1995, 27, 351-359.	7.8	10
114	Development and analytical evaluation of a multisensor system for water quality monitoring. Sensors and Actuators B: Chemical, 1995, 27, 377-379.	7.8	21
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.	7.8	3
116	Analytical applications of chalcogenide glass chemical sensors in environmental monitoring and process control. Sensors and Actuators B: Chemical, 1995, 24, 309-311.	7.8	50
117	Cu2+-selective thin films for chemical microsensors based on sputtered copperâ€"arsenicâ€"selenium glass. Sensors and Actuators B: Chemical, 1995, 25, 733-736.	7.8	14
118	Chalcogenide glass chemical sensors for determination of thallium in natural and waste water. Sensors and Actuators B: Chemical, 1994, 19, 373-375.	7.8	14
119	Fe-doped sodium aluminosilicate thin films: conductivity, microstructural organization and sensor properties. Solid State Ionics, 1994, 74, 165-178.	2.7	8
120	Chalcogenide glass chemical sensors: Relationship between ionic response, surface ion exchange and bulk membrane transport. Journal of Electroanalytical Chemistry, 1994, 378, 201-204.	3.8	14
121	Chalcogenide glass chemical sensors: Research and analytical applications. Talanta, 1994, 41, 1059-1063.	5.5	73
122	Ion-selective field-effect transistor and chalcogenide glass ion-selective electrode systems for biological investigations and industrial applications. Analyst, The, 1994, 119, 449.	3.5	17
123	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
124	Thin-layer chemical sensors based on chemically deposited and modified chalcogenide glasses. Sensors and Actuators B: Chemical, 1993, 15, 184-187.	7.8	23
125	121-Sb MÃ¶ssbauer study of insulating and ion-conducting antimony chalcogenide-based glasses. Journal of Non-Crystalline Solids, 1993, 159, 162-172.	3.1	33
126	Ion-implanted chalcogenide glasses as membrane materials for solid-state chemical sensors. Sensors and Actuators B: Chemical, 1992, 7, 501-504.	7.8	4

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127	129I-MÃ¶ssbauer study of molecular dynamics in the organic superconductor Î²-(BEDT-TTF)2I3. Hyperfine Interactions, 1992, 70, 1179-1184.	0.5	3
128	129I-MÃ¶ssbaurer study of superionic glasses AgIâˆ’Sb2S3: Local structure and diffusion effects. Hyperfine Interactions, 1992, 69, 709-712a.	0.5	5
129	Mechanism studies on lead ion-selective chalcogenide glass sensors. Sensors and Actuators B: Chemical, 1992, 10, 55-60.	7.8	16
130	Ni-implanted vitreous electrolyte AgAsS2: ECR, ionic and electronic conductivity. Solid State Ionics, 1991, 45, 1-7.	2.7	12
131	129I-MÃ¶ssbauer spectroscopic study of iodide-containing chalcogenide glasses. Hyperfine Interactions, 1990, 55, 921-925.	0.5	9
132	129I-MÃ¶ssbauer study of diffusion effects in the superionic conductor Ag3SI. Hyperfine Interactions, 1990, 56, 1495-1501.	0.5	6
133	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.	7.8	23
134	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.	7.8	6
135	EPR study of different states of iron impurity in chalcogenide glasses. Journal of Non-Crystalline Solids, 1990, 119, 263-268.	3.1	11
136	Conversion electron mÃ¶ssbauer spectroscopic study of Fe-Implanted AgAsS2 Glass. Journal of Non-Crystalline Solids, 1989, 113, 203-209.	3.1	4
137	Silver bromide based chalcogenide glassy-crystalline ion-selective electrodes. Analyst, The, 1989, 114, 185.	3.5	21
138	Sodium Ion-Selective Chalcogenide Glass Electrodes. Analytical Letters, 1989, 22, 1125-1144.	1.8	22
139	Correlation between the Structures of Geï£¿S Glasses and that of Impurity Mn²⁺ Complexes. Physica Status Solidi (B): Basic Research, 1988, 149, 427-433.	1.5	4
140	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.	3.1	1
141	Compositional dependence of ionic conductivity and diffusion in mixed chalcogen Ag-containing glasses. Solid State Ionics, 1987, 24, 179-187.	2.7	40
142	Elecrochemical ion-selective sensors based on chalcogenide glasses. Sensors and Actuators, 1987, 12, 275-283.	1.7	34
143	Copper ion-selective chalcogenide glass electrodes. Analytica Chimica Acta, 1986, 185, 137-158.	5.4	57
144	Oscillations of ionic conductivity of Agî—¸Asî—¸Seî—¸Te chalcogenide glasses. Solid State Ionics, 1986, 18-19, 467-471.	2.7	11

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145	Ionic and electronic conductivity in the copper-silver-arsenic-selenium glasses. Solid State Ionics, 1984, 14, 329-335.	2.7	41
146	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