

Eugene Bychkov

List of Publications by Year in descending order

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146
papers

2,394
citations

201385

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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. <i>Materials and Design</i> , 2022, 216, 110547.	3.3	1
2	Chemically-invariant percolation in silver thioarsenate glasses and two ion-transport regimes over 5 orders of magnitude in Ag content. <i>Journal of Non-Crystalline Solids</i> , 2022, 584, 121513.	1.5	0
3	Laboratory study of iron isotope fractionation during dissolution of mineral dust and industrial ash in simulated cloud water. <i>Chemosphere</i> , 2022, 299, 134472.	4.2	2
4	Lead thioarsenate system $PbSAs_2S_3$: Glass formation, macroscopic, and electric properties. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2605-2615.	1.9	0
5	Raman spectra of $MCl-Ga_2S_3-GeS_2$ ($M=Na, K, Rb$) glasses. <i>Pure and Applied Chemistry</i> , 2022, 94, 181-188.	0.9	2
6	Bulk Glassy $GeTe_2$: A Missing Member of the Tetrahedral GeX_2 Family and a Precursor for the Next Generation of Phase-Change Materials. <i>Chemistry of Materials</i> , 2021, 33, 1031-1045.	3.2	17
7	Ionic Conductivity and Tracer Diffusion in Glassy Chalcogenides. , 2021, , 203-249.		6
8	Unraveling the Atomic Structure of Bulk Binary $GaTe$ Glasses with Surprising Nanotectonic Features for Phase-Change Memory Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37363-37379.	4.0	12
9	In-cloud processing as a possible source of isotopically light iron from anthropogenic aerosols: New insights from a laboratory study. <i>Atmospheric Environment</i> , 2021, 259, 118505.	1.9	6
10	Atypical phase-change alloy Ga_2Te_3 : atomic structure, incipient nanotectonic nuclei, and multilevel writing. <i>Journal of Materials Chemistry C</i> , 2021, 9, 17019-17032.	2.7	12
11	Pressure-Driven Chemical Disorder in Glassy As_2S_3 up to 14.7 GPa, Postdensification Effects, and Applications in Materials Design. <i>Journal of Physical Chemistry B</i> , 2020, 124, 430-442.	1.2	16
12	Glassy GaS : transparent and unusually rigid thin films for visible to mid-IR memory applications. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25560-25573.	1.3	15
13	Chemical and Structural Variety in Sodium Thioarsenate Glasses Studied by Neutron Diffraction and Supported by First-Principles Simulations. <i>Inorganic Chemistry</i> , 2020, 59, 16410-16420.	1.9	12
14	Mercury Thiogermanate Glasses $HgS-GeS_2$: Vibrational, Macroscopic, and Electric Properties. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7075-7085.	1.2	4
15	Alkali Halide-Doped $Ga_2S_3-GeS_2$ Glasses. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000115.	0.7	2
16	Mixed cation $Ag_2S-Tl_2S-GeS_2$ glasses: macroscopic properties and Raman scattering studies. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 264004.	0.7	4
17	Intrinsic second-order nonlinearity in chalcogenide glasses containing HgI_2 . <i>Journal of the American Ceramic Society</i> , 2020, 103, 3070-3075.	1.9	3
18	High-Precision Studies of the Compressibility and Relaxation of $g-As_2S_3$ Glasses at High Hydrostatic Pressures up to 8.6 GPa. <i>Journal of Experimental and Theoretical Physics</i> , 2020, 130, 571-578.	0.2	3

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19	Dimeric Molecular Structure of Molten Gallium Trichloride and a Hidden Evolution toward a Possible Liquid-Liquid Transition. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10260-10266.	1.2	3
20	Bent Hg ₂ Molecules in the Melt and Sulfide Glasses: Implications for Nonlinear Optics. <i>Chemistry of Materials</i> , 2019, 31, 4103-4112.	3.2	13
21	Ionic transport and atomic structure of AgI-HgS-GeS ₂ glasses. <i>Pure and Applied Chemistry</i> , 2019, 91, 1807-1820.	0.9	4
22	Mid-IR s-SNOM imaging of photo-induced refractive index variation in chalcogenide glass. , 2019, , .		0
23	Tl ₂ S-GeS-GeS ₂ system: Glass formation, macroscopic properties, and charge transport. <i>Journal of Alloys and Compounds</i> , 2019, 777, 902-914.	2.8	8
24	Experimental and Theoretical Insights into the Structure of Tellurium Chloride Glasses. <i>Inorganic Chemistry</i> , 2018, 57, 2517-2528.	1.9	4
25	Ionic transport in AgI-HgS-As ₂ S ₃ glasses: Critical percolation and modifier-controlled domains. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2287-2296.	1.9	6
26	Ionic-to-Electronic Conductivity Crossover in CdTe-AgI-As ₂ Te ₃ Glasses: An ^{>110m} Ag Tracer Diffusion Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 4179-4186.	1.2	9
27	Advanced characterization of cryogenic 9Ni steel using synchrotron radiation, neutron scattering and 57Fe Mössbauer spectroscopy. <i>Materials and Design</i> , 2018, 146, 219-227.	3.3	14
28	Ultrafast Laser Inscription of High-Performance Mid-Infrared Waveguides in Chalcogenide Glass. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 2123-2126.	1.3	7
29	Structure of Se-Te glasses by Raman spectroscopy and ^{<sc>DFT</sc>} modeling. <i>Journal of the American Ceramic Society</i> , 2018, 101, 5188-5197.	1.9	31
30	Macroscopic and electric properties in the CdTe-AgI-As ₂ Se ₃ system. <i>Materials Research Bulletin</i> , 2018, 107, 264-270.	2.7	0
31	New Method for Direct Laser Writing of High Performances Near and Mid-infrared Waveguides. , 2018, $A_s \times s^2 \times T \times e^3$		0
32	High-precision measurements of the compressibility and the electrical resistivity of bulk g-As ₂ Te ₃ glasses at a hydrostatic pressure up to 8.5 GPa. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 451-464.	1.1	15
33	High-precision measurements of the compressibility and the electrical resistivity of bulk g-As ₂ Te ₃ glasses at a hydrostatic pressure up to 8.5 GPa. <i>Journal of Experimental and Theoretical Physics</i> , 2017, 125, 451-464.	0.2	7
34	New strategy for direct laser writing of low loss waveguide. , 2017, , .		0
35	Telluride glasses with far-infrared transmission up to 35 μ m. <i>Optical Materials</i> , 2017, 72, 809-812.	1.7	16
36	Na ⁺ ion conducting glasses in the NaCl-Ga ₂ S ₃ -GeS ₂ system: A critical percolation regime. <i>Solid State Ionics</i> , 2017, 299, 2-7.	1.3	14

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37	Mercury Sulfide Dimorphism in Thioarsenate Glasses. Journal of Physical Chemistry B, 2016, 120, 5278-5290.	1.2	6
38	The AgI-HgS-As ₂ S ₃ glassy system: Macroscopic properties and Raman scattering studies. Journal of Alloys and Compounds, 2016, 685, 752-760.	2.8	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.	0.2	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.	1.7	16
42	[INVITED] Tailoring the morphology of photowritten buried waveguides by helical trajectory in As ₂ S ₃ glass. Optics and Laser Technology, 2016, 78, 56-61.	2.2	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.	1.2	14
45	Mixed cation effect in Ag ₂ S-Tl ₂ S-GeS-GeS ₂ glasses: Conductivity and tracer diffusion studies. Solid State Ionics, 2015, 273, 55-58.	1.3	7
46	Inscription of infrared waveguides in chalcogenide glasses by femtosecond laser. , 2015, , .		0
47	Wastewater treatment by cyclodextrin polymers and noble metal/mesoporous TiO ₂ photocatalysts. Comptes Rendus Chimie, 2015, 18, 23-31.	0.2	47
48	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
49	²⁰⁴ Tl tracer diffusion and conductivity in thallium germanium sulphide glasses over a wide composition range. Journal of Electroceramics, 2015, 34, 63-68.	0.8	2
50	Metallization in the molten and solid state and phase diagrams of the GeSe ₂ and GeS ₂ under high pressure. JETP Letters, 2014, 100, 451-454.	0.4	1
51	Influence of NaX (X=I or Cl) additions on GeS ₂ -Ga ₂ S ₃ based glasses. Journal of Solid State Chemistry, 2014, 220, 238-244.	1.4	16
52	Ag ₂ S-As ₂ S ₃ -TlI chalcogenide glasses as perspective material for solid-state chemical sensors. Russian Journal of Applied Chemistry, 2014, 87, 1044-1048.	0.1	5
53	Mercury thioarsenate glasses: a hybrid chain/pyramidal network. RSC Advances, 2014, 4, 49236-49246.	1.7	13
54	Connectivity enhancement of highly porous WO ₃ nanostructured thin films by in situ growth of K _{0.33} WO ₃ nanowires. CrystEngComm, 2014, 16, 1228-1231.	1.3	5

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55	108mAg tracer diffusion in HgI ₂ -Ag ₂ S-As ₂ S ₃ glass system. Solid State Ionics, 2014, 262, 821-823.	1.3	1
56	Characterization of Nb-doped WO ₃ thin films produced by Electrostatic Spray Deposition. Thin Solid Films, 2013, 534, 32-39.	0.8	30
57	Ionic and electronic transport in AgI-As ₂ Te ₃ glasses. Solid State Ionics, 2013, 253, 181-184.	1.3	9
58	Unraveling the atomic structure of Ge-rich sulfide glasses. Physical Chemistry Chemical Physics, 2013, 15, 8487.	1.3	45
59	Study of the pseudo-ternary Ag ₂ S-As ₂ S ₃ -HgI ₂ vitreous system. Journal of Solid State Chemistry, 2013, 199, 264-270.	1.4	3
60	²⁰⁴ Tl tracer diffusion and conductivity in thallium thiogermanate glasses. Solid State Ionics, 2013, 253, 101-109.	1.3	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.	3.2	48
63	Direct laser writing of buried waveguide in As ₂ S ₃ glass using a helical sample translation. Optics Letters, 2013, 38, 4212.	1.7	24
64	Chalcogenide Glass Chemical Sensor for Cadmium Detection in Industrial Environment. ECS Transactions, 2013, 50, 357-362.	0.3	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.	0.1	0
67	Spatially resolved Raman analysis of laser induced refractive index variation in chalcogenide glass. Optical Materials Express, 2012, 2, 1768.	1.6	39
68	Structural Changes in Vitreous GeSe ₄ under Pressure. Journal of Physical Chemistry C, 2012, 116, 2212-2217.	1.5	25
69	New chalcogenide glasses in the CdTe-AgI-As ₂ Te ₃ system. Materials Research Bulletin, 2012, 47, 193-198.	2.7	10
70	Raman spectroscopy of glasses in the As-Te system. Journal of Solid State Chemistry, 2012, 190, 271-276.	1.4	44
71	CsCl effect on the optical properties of the 80GeS ₂ -20Ga ₂ S ₃ base glass. Applied Physics A: Materials Science and Processing, 2012, 106, 697-702.	1.1	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. <i>Physical Review B</i> , 2011, 83, .	1.1	14
74	Free carrier accumulation during direct laser writing in chalcogenide glass by light filamentation. <i>Optics Express</i> , 2011, 19, 20088.	1.7	17
75	Synthesis and properties of new CdSeâ€“AgIâ€“As ₂ Se ₃ chalcogenide glasses. <i>Materials Research Bulletin</i> , 2011, 46, 210-215.	2.7	9
76	Refractive index variations induced by femtosecond laser direct writing in the bulk of As ₂ S ₃ glass at high repetition rate. <i>Optical Materials</i> , 2011, 33, 872-876.	1.7	14
77	Lead Detection in Industrial Atmospheric Particles. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 173-176.	0.7	6
78	Chemical and structural origin of conductivity changes in CdSeâ€“AgIâ€“As ₂ Se ₃ glasses. <i>Solid State Ionics</i> , 2010, 181, 466-472.	1.3	22
79	Structural analysis of xCsCl(1- \hat{x})Ga ₂ S ₃ glasses by means of DFT calculations and Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1050-1058.	1.2	16
80	110mAg tracer diffusion studies of CdSeâ€“AgIâ€“As ₂ Se ₃ glasses. <i>Solid State Ionics</i> , 2010, 181, 1467-1472.	1.3	8
81	Density variations in liquid tellurium: Roles of rings, chains, and cavities. <i>Physical Review B</i> , 2010, 81, .	1.1	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. <i>Solid State Ionics</i> , 2009, 180, 510-516.	1.3	58
85	Morphology of waveguide written by femtosecond laser in glass. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 1832-1835.	1.5	11
86	Structural analysis of xCsCl(1- \hat{x})Ga ₂ S ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 134-137.	1.5	7
87	Neutron and X-ray diffraction studies of TeCl ₄ and TeBr ₄ liquids. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 259-262.	1.5	11
88	Network Rigidity in $\langle \text{GeSe} \rangle_2$ Glass at High Pressure. <i>Physical Review Letters</i> , 2008, 100, 115501.	2.9	46
89	Tracking the Effects of Rigidity Percolation Down to the Liquid State: Relaxational Dynamics of Binary Chalcogen Melts. <i>Physical Review Letters</i> , 2008, 100, 245902.	2.9	13
90	Structure of Te[_{1-\hat{x}}]Cl[_{\hat{x}}] Liquids. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	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.	1.5	68
92	Topological changes in glassy GeSe ₂ at pressures up to 9.3 GPa determined by high-energy x-ray and neutron diffraction measurements. Physical Review B, 2006, 74, .	1.1	64
93	Compositional changes of the first sharp diffraction peak in binary selenide glasses. Physical Review B, 2005, 72, .	1.1	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.	1.5	2
95	Electrical properties of glasses in the AgI-As ₂ Te ₃ system. Glass Physics and Chemistry, 2004, 30, 519-522.	0.2	5
96	Ion Conductivity and Sensors. Semiconductors and Semimetals, 2004, 80, 103-168.	0.4	8
97	Silver diffusion anomaly in Cu-As-Se glasses: a chalcogen site analysis using ¹²⁵ Te-Mössbauer spectroscopy. Journal of Non-Crystalline Solids, 2002, 298, 109-115.	1.5	1
98	¹²⁹ I-Mössbauer spectroscopy study of M-As ₂ Se ₃ (M=Ag, Cu) superionic chalcogenide glasses. Solid State Ionics, 2002, 154-155, 265-271.	1.3	3
99	Superionic Ag-I-Mn-Sb ₂ S ₃ glasses (M=Pb, Sb): conduction pathways associated with additional metal iodide. Solid State Ionics, 2002, 154-155, 749-757.	1.3	5
100	Ion transport regimes in chalcogenide and chalcogen halide glasses: from the host to the cation-related network connectivity. Solid State Ionics, 2002, 154-155, 349-359.	1.3	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.	1.5	35
102	Neutron diffraction studies of Ag ₂ S-As ₂ S ₃ glasses in the percolation and modifier-controlled domains. Solid State Ionics, 2000, 136-137, 1041-1048.	1.3	28
103	¹¹⁰ Ag tracer diffusion study of percolation transition in Ag ₂ S-As ₂ S ₃ glasses. Solid State Ionics, 2000, 136-137, 1091-1096.	1.3	23
104	Tracer diffusion studies of ion-conducting chalcogenide glasses. Solid State Ionics, 2000, 136-137, 1111-1118.	1.3	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.	4.0	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 ¹²⁵ Te-Mössbauer spectroscopy. Journal of Non-Crystalline Solids, 1999, 260, 180-187.	1.5	5

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109	EXAFS studies of Cu ⁺ ion conducting and semiconducting copper chalcogenide and chalcogen halide glasses. <i>Journal of Non-Crystalline Solids</i> , 1998, 232-234, 314-322.	1.5	8
110	Production and surface analytical characterization of various chalcogenide glass thin films for analytical microdevices. <i>Surface and Coatings Technology</i> , 1997, 97, 707-712.	2.2	12
111	Percolation transition in Ag-doped germanium chalcogenide-based glasses: conductivity and silver diffusion results. <i>Journal of Non-Crystalline Solids</i> , 1996, 208, 1-20.	1.5	69
112	Cross-sensitivity of chalcogenide glass sensors in solutions of heavy metal ions. <i>Sensors and Actuators B: Chemical</i> , 1996, 34, 456-461.	4.0	56
113	Spectroscopic studies of chalcogenide glass membranes of chemical sensors: local structure and ionic response. <i>Sensors and Actuators B: Chemical</i> , 1995, 27, 351-359.	4.0	10
114	Development and analytical evaluation of a multisensor system for water quality monitoring. <i>Sensors and Actuators B: Chemical</i> , 1995, 27, 377-379.	4.0	21
115	Copper(II)-ion response of Cu-As-Se thin-film sensors in a flow-through microcell. <i>Sensors and Actuators B: Chemical</i> , 1995, 27, 384-387.	4.0	3
116	Analytical applications of chalcogenide glass chemical sensors in environmental monitoring and process control. <i>Sensors and Actuators B: Chemical</i> , 1995, 24, 309-311.	4.0	50
117	Cu ²⁺ -selective thin films for chemical microsensors based on sputtered copper-arsenic-selenium glass. <i>Sensors and Actuators B: Chemical</i> , 1995, 25, 733-736.	4.0	14
118	Chalcogenide glass chemical sensors for determination of thallium in natural and waste water. <i>Sensors and Actuators B: Chemical</i> , 1994, 19, 373-375.	4.0	14
119	Fe-doped sodium aluminosilicate thin films: conductivity, microstructural organization and sensor properties. <i>Solid State Ionics</i> , 1994, 74, 165-178.	1.3	8
120	Chalcogenide glass chemical sensors: Relationship between ionic response, surface ion exchange and bulk membrane transport. <i>Journal of Electroanalytical Chemistry</i> , 1994, 378, 201-204.	1.9	14
121	Chalcogenide glass chemical sensors: Research and analytical applications. <i>Talanta</i> , 1994, 41, 1059-1063.	2.9	73
122	Ion-selective field-effect transistor and chalcogenide glass ion-selective electrode systems for biological investigations and industrial applications. <i>Analyst</i> , 1994, 119, 449.	1.7	17
123	¹²⁹ I-Mössbauer and X-Ray Diffraction Studies of the Iodine-Fullerene Compound C ₆₀ (I ₂) ² . <i>Molecular Crystals and Liquid Crystals</i> , 1994, 245, 313-320.	0.3	6
124	Thin-layer chemical sensors based on chemically deposited and modified chalcogenide glasses. <i>Sensors and Actuators B: Chemical</i> , 1993, 15, 184-187.	4.0	23
125	¹²¹ Sb Mössbauer study of insulating and ion-conducting antimony chalcogenide-based glasses. <i>Journal of Non-Crystalline Solids</i> , 1993, 159, 162-172.	1.5	33
126	Ion-implanted chalcogenide glasses as membrane materials for solid-state chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 1992, 7, 501-504.	4.0	4

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127	129I-Mössbauer study of molecular dynamics in the organic superconductor \hat{I}^2 -(BEDT-TTF)2I3. <i>Hyperfine Interactions</i> , 1992, 70, 1179-1184.	0.2	3
128	129I-Mössbauer study of superionic glasses $AgI\hat{x}Sb_2S_3$: Local structure and diffusion effects. <i>Hyperfine Interactions</i> , 1992, 69, 709-712a.	0.2	5
129	Mechanism studies on lead ion-selective chalcogenide glass sensors. <i>Sensors and Actuators B: Chemical</i> , 1992, 10, 55-60.	4.0	16
130	Ni-implanted vitreous electrolyte $AgAsS_2$: ECR, ionic and electronic conductivity. <i>Solid State Ionics</i> , 1991, 45, 1-7.	1.3	12
131	129I-Mössbauer spectroscopic study of iodide-containing chalcogenide glasses. <i>Hyperfine Interactions</i> , 1990, 55, 921-925.	0.2	9
132	129I-Mössbauer study of diffusion effects in the superionic conductor Ag_3SI . <i>Hyperfine Interactions</i> , 1990, 56, 1495-1501.	0.2	6
133	Silver ion sensors based on $Ag\hat{x}As\hat{y}Se\hat{z}Te$ glasses I. Ionic sensitivity and bulk membrane transport. <i>Sensors and Actuators B: Chemical</i> , 1990, 2, 23-31.	4.0	23
134	Silver ion sensors based on $Ag-As-Se-Te$ glasses II. Surface studies and tracer measurements of ion response. <i>Sensors and Actuators B: Chemical</i> , 1990, 2, 43-49.	4.0	6
135	EPR study of different states of iron impurity in chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 1990, 119, 263-268.	1.5	11
136	Conversion electron Mössbauer spectroscopic study of Fe-Implanted $AgAsS_2$ Glass. <i>Journal of Non-Crystalline Solids</i> , 1989, 113, 203-209.	1.5	4
137	Silver bromide based chalcogenide glassy-crystalline ion-selective electrodes. <i>Analyst, The</i> , 1989, 114, 185.	1.7	21
138	Sodium Ion-Selective Chalcogenide Glass Electrodes. <i>Analytical Letters</i> , 1989, 22, 1125-1144.	1.0	22
139	Correlation between the Structures of $Ge\hat{x}S$ Glasses and that of Impurity Mn^{2+} Complexes. <i>Physica Status Solidi (B): Basic Research</i> , 1988, 149, 427-433.	0.7	4
140	ESR and Mössbauer spectroscopy of iron-doped $Ag\hat{x}As\hat{y}S$ and $Ge\hat{x}Sb\hat{y}Se$ glasses. <i>Journal of Non-Crystalline Solids</i> , 1987, 97-98, 659-662.	1.5	1
141	Compositional dependence of ionic conductivity and diffusion in mixed chalcogen Ag -containing glasses. <i>Solid State Ionics</i> , 1987, 24, 179-187.	1.3	40
142	Electrochemical ion-selective sensors based on chalcogenide glasses. <i>Sensors and Actuators</i> , 1987, 12, 275-283.	1.8	34
143	Copper ion-selective chalcogenide glass electrodes. <i>Analytica Chimica Acta</i> , 1986, 185, 137-158.	2.6	57
144	Oscillations of ionic conductivity of $Ag\hat{x}As\hat{y}Se\hat{z}Te$ chalcogenide glasses. <i>Solid State Ionics</i> , 1986, 18-19, 467-471.	1.3	11

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145	Ionic and electronic conductivity in the copper-silver-arsenic-selenium glasses. Solid State Ionics, 1984, 14, 329-335.	1.3	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