

Inorganic glasses, glass-forming liquids and amorphization

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Zeolite collapse and polyamorphism. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 415102.	0.7	44
2	Anomalously large decoupling of rotational and shear relaxation in a molecular glass. <i>Physical Review B</i> , 2007, 76, .	1.1	20
3	Temperature scanning small angle x-ray scattering measurements of structural relaxation in type-III vitreous silica. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	11
4	Solidity of viscous liquids. V. Long-wavelength dominance of the dynamics. <i>Physical Review E</i> , 2007, 76, 041508.	0.8	9
5	Structure of molten yttrium aluminates: a neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 415105.	0.7	5
6	Synchrotron radiation studies of non-crystalline systems. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2008, 104, 35.	4.4	11
7	Universal link between the boson peak and transverse phonons in glass. <i>Nature Materials</i> , 2008, 7, 870-877.	13.3	471
8	High-resolution Al L <sub>2,3</sub> -edge x-ray absorption near edge structure spectra of Al-containing crystals and glasses: coordination number and bonding information from edge components. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 135219.	0.7	36
9	Amorphous materials: Properties, structure, and durability: Constrained interactions, rigidity, adaptative networks, and their role for the description of silicates. <i>American Mineralogist</i> , 2008, 93, 1732-1748.	0.9	40
10	The structure of SiO <sub>2</sub> -GeO <sub>2</sub> glasses: A spectroscopic study. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2004-2009.	1.5	39
11	Nature and distribution of iron sites in a sodium silicate glass investigated by neutron diffraction and EPSR simulation. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5378-5385.	1.5	59
12	Temperature effects on the network structure of oxide melts and their consequences for configurational heat capacity. <i>Chemical Geology</i> , 2008, 256, 80-91.	1.4	51
13	Viscosity and glass transition temperature of hydrous melts in the system CaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> -CaMgSi <sub>2</sub> O <sub>6</sub> . <i>Chemical Geology</i> , 2008, 256, 203-215.	1.4	61
14	Na-relaxation and intermediate range structure in sodium-potassium silicate melts. <i>Chemical Geology</i> , 2008, 256, 278-285.	1.4	13
15	Compositional Variation of Short- and Intermediate-Range Structure and Chemical Order in Ge-As Sulfide Glasses: A Neutron Diffraction Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7263-7269.	1.5	12
16	Detection of First-Order Liquid/Liquid Phase Transitions in Yttrium Oxide-Aluminum Oxide Melts. <i>Science</i> , 2008, 322, 566-570.	6.0	184
17	Relaxation processes of point defects in vitreous silica from femtosecond to nanoseconds. <i>Applied Physics Letters</i> , 2008, 93, 102901.	1.5	3
18	On the pressure evolution of dynamic properties of supercooled liquids. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 244103.	0.7	29

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19	A combined neutron and x-ray diffraction study of short- and intermediate-range structural characteristics of Ge-As sulfide glasses. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 335105.	0.7	13
20	Polyamorphism and the evolution of intermediate-range order in molten ZnCl <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2008, 20, 244123.	0.7	16
21	A cryostat and temperature control system optimized for measuring relaxations of glass-forming liquids. <i>Review of Scientific Instruments</i> , 2008, 79, 045105.	0.6	40
22	Differential mobility and spatially heterogeneous dynamics of oxygen atoms in a supercooled glass-forming network liquid. <i>Physical Review B</i> , 2008, 78, .	1.1	14
23	<i>IN SITU</i> STRUCTURAL STUDIES OF ALUMINA DURING MELTING AND FREEZING. <i>Advances in Synchrotron Radiation</i> , 2008, 01, 135-149.	0.0	5
24	Microscope of glassy relaxation in femtogram samples: Charge offset drift in the single electron transistor. <i>Physical Review B</i> , 2009, 80, .	1.1	5
25	Molar volume minimum and adaptative rigid networks in relationship with the intermediate phase in glasses. <i>Physical Review B</i> , 2009, 79, .	1.1	25
26	Network Topology and the Fragility of Tetrahedral Glass-Forming Liquids. <i>Physical Review Letters</i> , 2009, 103, 157801.	2.9	60
27	Pressure sensitive flow and constraint factor in amorphous materials below glass transition. <i>Journal of Materials Research</i> , 2009, 24, 890-897.	1.2	41
28	Polyamorphism in Liquids and Amorphous Substances: An Analogue of Polymorphism in Crystalline Solids. <i>Transactions of the Indian Ceramic Society</i> , 2009, 68, 65-80.	0.4	6
29	Li Ion Diffusion in Nanocrystalline and Nanoglassy LiAlSi <sub>2</sub> O <sub>6</sub> and LiBO <sub>2</sub> - Structure-Dynamics Relations in Two Glass Forming Compounds. <i>Zeitschrift Fur Physikalische Chemie</i> , 2009, 223, 1359-1377.	1.4	21
30	Molecular dynamics in supercooled glycerol: Results from C13 NMR spectroscopy. <i>Journal of Chemical Physics</i> , 2009, 130, 194506.	1.2	12
31	Structural models of bioactive glasses from molecular dynamics simulations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2009, 465, 1003-1027.	1.0	133
32	Compressibility and thermal expansion coefficients of nanocomposites with amorphous and crystalline polymer matrix. <i>European Polymer Journal</i> , 2009, 45, 1891-1903.	2.6	20
33	Advancing glasses through fundamental research. <i>Journal of the European Ceramic Society</i> , 2009, 29, 1227-1234.	2.8	49
34	The Tellurophosphate K4P8Te4: Phase-Change Properties, Exfoliation, Photoluminescence in Solution and Nanospheres. <i>Journal of the American Chemical Society</i> , 2009, 131, 16303-16312.	6.6	17
35	<sup>31</sup> P MAS Refocused INADEQUATE Spin-Echo (REINE) NMR Spectroscopy: Revealing Coupling and Chemical Shift Two-Dimensional Correlations in Disordered Solids. <i>Journal of the American Chemical Society</i> , 2009, 131, 11861-11874.	6.6	51
36	Role of Ag <sub>2</sub> S Nanoparticles on the Dynamics of Silver Ions in Silver-Ultraphosphate Glass Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9040-9046.	1.5	7

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37	Quantitative Structure-Property Relationships of Potentially Bioactive Fluoro Phospho-silicate Glasses. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10331-10338.	1.2	80
38	Topologically Ordered Amorphous Silica Obtained from the Collapsed Siliceous Zeolite, Silicalite-1-F: A Step toward "Perfect" Glasses. <i>Journal of the American Chemical Society</i> , 2009, 131, 12333-12338.	6.6	88
39	Short-Range Structure of Invert Glasses along the Pseudo-Binary Join $MgSiO_3 \text{--} Mg_2SiO_4$ : Results from $^{29}Si$ and $^{25}Mg$ MAS NMR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15243-15248.	1.2	90
40	On the entropy difference between the vitreous and the crystalline state. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 636-641.	1.5	13
41	Liquid-liquid transitions, crystallization and long range fluctuations in supercooled yttrium oxide-aluminium oxide melts. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 715-721.	1.5	17
42	A brief critique of the Adam-Gibbs entropy model. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 624-627.	1.5	75
43	Connectivity and Proximity between Quadrupolar Nuclides in Oxide Glasses: Insights from through-Bond and through-Space Correlations in Solid-State NMR. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5162-5167.	1.2	48
44	Hierarchical Dynamics of $As_2P_2S_8$ Quasi-Molecular Units in a Supercooled Liquid in the $As_4P_4S$ System: A $^{31}P$ NMR Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2009, 113, 8514-8519.	1.2	1
45	Glass formation and structure in the $MgSiO_3 \text{--} Mg_2SiO_4$ pseudobinary system: From degraded networks to ioniclike glasses. <i>Journal of Chemical Physics</i> , 2009, 131, 114513.	1.2	61
46	Network vs Molecular Structural Characteristics of Ge-Doped Arsenic Sulfide Glasses: A Combined Neutron/X-ray Diffraction, Extended X-ray Absorption Fine Structure, and Raman Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6231-6242.	1.5	32
47	Polyamorphism and the universal liquid-liquid critical point in the supercooled state. <i>Diamond Light Source Proceedings</i> , 2010, 1, .	0.1	0
48	Elucidation of the crystallization kinetics for sodium-alumino-silicate glasses containing different amounts of manganese oxide. <i>Phase Transitions</i> , 2010, 83, 1096-1113.	0.6	5
49	Seal glass for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 7129-7139.	4.0	161
50	A new threshold of uncovering the nature of glass transition: The slow $\alpha$ relaxation in glassy states. <i>Science Bulletin</i> , 2010, 55, 457-472.	1.7	19
51	The structure of phosphate and borosilicate glasses and their structural evolution at high temperatures as studied with solid state NMR spectroscopy: Phase separation, crystallisation and dynamic species exchange. <i>Solid State Sciences</i> , 2010, 12, 428-439.	1.5	23
52	Structural properties of lithium and sodium tetrasilicate glasses: Molecular dynamics simulations versus NMR experimental and first-principles data. <i>Solid State Sciences</i> , 2010, 12, 183-192.	1.5	56
53	Raman spectra and density of $Li_2O \text{--} B_2O_3 \text{--} GeO_2$ glasses with high $Li_2O$ content. <i>Physica B: Condensed Matter</i> , 2010, 405, 281-286.	1.3	11
54	Electrical properties and FTIR spectra of $ZnO \text{--} PbO \text{--} P_2O_5$ glasses. <i>Physica B: Condensed Matter</i> , 2010, 405, 2137-2143.	1.3	65

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55	Structural investigations of borosilicate glasses containing MoO <sub>3</sub> by MAS NMR and Raman spectroscopies. <i>Journal of Nuclear Materials</i> , 2010, 396, 94-101.	1.3	106
56	X-ray absorption fine structure for single crystals. <i>Journal of Applied Crystallography</i> , 2010, 43, 64-69.	1.9	4
57	Redox Relaxation in Glass Melts Doped with Copper and Arsenic. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1032-1038.	1.9	5
58	Structural Evolution of Nuclear Glasses under Forcing Conditions (Irradiation, Alteration). <i>Materials Research Society Symposia Proceedings</i> , 2010, 1265, 1.	0.1	4
59	Universal relation between viscous flow and fast dynamics in glass-forming materials. <i>Physical Review B</i> , 2010, 81, .	1.1	34
60	Structural origin of the intermediate phase in Ge-As-Se glasses. <i>Applied Physics Letters</i> , 2010, 97, 131901.	1.5	24
61	Length scale of heterogeneities in glassy propylene carbonate probed by oxygen diffusion. <i>Journal of Chemical Physics</i> , 2010, 133, 074501.	1.2	9
62	The nature of intermediate-range order in Ge-As-S glasses: results from reverse Monte Carlo modeling. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 115404.	0.7	16
63	Phosphorus-31 NMR Spectroscopy of Condensed Matter. <i>Annual Reports on NMR Spectroscopy</i> , 2010, 70, 35-114.	0.7	20
64	Structure and Properties of an Amorphous Metal-Organic Framework. <i>Physical Review Letters</i> , 2010, 104, 115503.	2.9	246
65	Evidence of Intermediate-Range Order Heterogeneity in Calcium Aluminosilicate Glasses. <i>Chemistry of Materials</i> , 2010, 22, 4471-4483.	3.2	69
66	Surface Signatures of Bioactivity: MD Simulations of 45S and 65S Silicate Glasses. <i>Langmuir</i> , 2010, 26, 545-551.	1.6	73
67	Structural study of Ca-Mg and K-Mg mixing in silicate glasses by neutron diffraction. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2327-2331.	1.5	31
68	Chemical order around Ge atoms in binary germanium selenide glasses: Results from <sup>73</sup> Ge solid-state NMR spectroscopy at 19.6 Tesla. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1519-1521.	1.5	22
69	Quench rate and temperature effects on boron coordination in aluminoborosilicate melts. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2097-2108.	1.5	89
70	Spectroscopic and structural properties of Cr <sup>3+</sup> in silicate glasses: Cr <sup>3+</sup> does not probe the average glass structure. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2228-2234.	1.5	25
71	Molecular dynamics simulations of sodium silicate glasses: Optimization and limits of the computational procedure. <i>Computational Materials Science</i> , 2010, 47, 739-751.	1.4	26
72	Structure and Disorder in Amorphous Alumina Thin Films: Insights from High-Resolution Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13890-13894.	1.5	95

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73	Quantitative Design of Glassy Materials Using Temperature-Dependent Constraint Theory. <i>Chemistry of Materials</i> , 2010, 22, 5358-5365.	3.2	156
74	Strategic Demands on Information Services in Uncertain Businesses: A Layer-Based Framework from a Value Network Perspective. , 2011, , .		13
75	Topological Principles of Borosilicate Glass Chemistry. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12930-12946.	1.2	289
76	Soda-lime silicate glass under hydrostatic pressure and indentation: a micro-Raman study. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 035402.	0.7	74
77	Some Aspects of Vitrification, Amorphisation and Disordering and the Generated Extent of Nano-Crystallinity. <i>Hot Topics in Thermal Analysis and Calorimetry</i> , 2011, , 59-75.	0.5	4
78	Oxide Glass Structure, Non-bridging Oxygen and Feasible Magnetic Properties due to the Addition of Fe/Mn Oxides. <i>Hot Topics in Thermal Analysis and Calorimetry</i> , 2011, , 199-216.	0.5	2
79	In search of energy landscape for network glasses. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	21
80	Amorphous Chalcogenide Semiconductors and Related Materials. , 2011, , .		166
81	Structure and Relaxation in Germanium Selenide Glasses and Supercooled Liquids: A Raman Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 4307-4314.	1.2	65
82	Glassy, Amorphous and Nano-Crystalline Materials. <i>Hot Topics in Thermal Analysis and Calorimetry</i> , 2011, , .	0.5	20
83	Poisson's ratio and modern materials. <i>Nature Materials</i> , 2011, 10, 823-837.	13.3	1,612
84	Vibrational states and disorder in continuously compressed model glasses. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 552-558.	1.5	13
85	Composition and polyamorphism in supercooled yttria-alumina melts. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 435-441.	1.5	20
86	The split network analysis for exploring composition-structure correlations in multi-component glasses: I. Rationalizing bioactivity-composition trends of bioglasses. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 1595-1602.	1.5	101
87	Amplitude of spatial density fluctuations in glassy propylene carbonate probed by oxygen diffusion. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2115-2119.	1.5	6
88	Effect of neodymium oxide on the solubility of MoO <sub>3</sub> in an aluminoborosilicate glass. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2752-2762.	1.5	58
89	Atomic scale foundation of temperature-dependent bonding constraints in network glasses and liquids. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 2530-2537.	1.5	131
90	<sup>125</sup> Te NMR chemical shifts and tellurium coordination environments in crystals and glasses in the Ge-As-Sb-Te system. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 3036-3041.	1.5	24

#	ARTICLE	IF	CITATIONS
91	Heterogeneity length scale for oxygen diffusion in glassy squalane. Journal of Non-Crystalline Solids, 2011, 357, 3781-3784.	1.5	8
92	Determinants of Collaboration in European R&D Networks: Empirical Evidence from a Discrete Choice Model. Industry and Innovation, 2011, 18, 89-104.	1.7	94
93	Modification of Molybdenum Structural Environment in Borosilicate Glasses with Increasing Content of Boron and Calcium Oxide by $^{95}\text{Mo}$ MAS NMR. Journal of the American Ceramic Society, 2011, 94, 4274-4282.	1.9	45
94	Long-Range Topological Order in Metallic Glass. Science, 2011, 332, 1404-1406.	6.0	177
96	Amorphous zones in flame sprayed alumina-titania-zirconia compounds. Ceramics International, 2011, 37, 181-188.	2.3	17
97	Polymer-polymorphoid nature of relaxation processes in liquid and vitreous $\text{SiO}_2$ . Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 2701-2704.	0.8	1
99	Thermal Amorphization of Zeolitic Imidazolate Frameworks. Angewandte Chemie - International Edition, 2011, 50, 3067-3071.	7.2	146
100	Communication: Are metallic glasses different from other glasses? A closer look at their high frequency dynamics. Journal of Chemical Physics, 2011, 135, 101101.	1.2	6
101	Kinetics of azobenzene nitrene oxidation by molecular oxygen in glassy propylene carbonate. Journal of Chemical Physics, 2011, 135, 244504.	1.2	3
102	Mechanical relaxation studies of $\alpha$ and slow $\beta$ processes in $\text{Nd}_{65}\text{Fe}_{15}\text{Co}_{10}\text{Al}_{10}$ bulk metallic glass. Journal of Applied Physics, 2011, 109, .	1.1	22
103	Thermal Properties and Related Structural Study of Oxide Glasses. Hot Topics in Thermal Analysis and Calorimetry, 2011, , 179-197.	0.5	11
104	Mechanisms of network collapse in $\text{GeO}_2$ glass: high-pressure neutron diffraction with isotope substitution as arbitrator of competing models. Journal of Physics Condensed Matter, 2012, 24, 502101.	0.7	35
105	Transport properties of silver selenomolybdate glassy ionic conductors. Journal of Applied Physics, 2012, 112, 094110.	1.1	7
106	Enhanced atomic corrugation in dynamic force microscopy—The role of repulsive forces. Applied Physics Letters, 2012, 100, 123105.	1.5	5
107	Structure and triclustering in Ba-Al-O glass. Physical Review B, 2012, 85, .	1.1	40
108	Large local disorder in superconducting $\text{K}_{0.8}\text{Fe}_{1.6}\text{Se}_2$ studied by extended x-ray absorption fine structure. Journal of Physics Condensed Matter, 2012, 24, 115701.	0.7	21
109	Length and Time Scales of Structural Heterogeneities in Deeply Supercooled Propylene Carbonate. Physical Review Letters, 2012, 109, 137801.	2.9	5
110	Atomic Arrangement in Two-Dimensional Silica: From Crystalline to Vitreous Structures. Journal of Physical Chemistry C, 2012, 116, 20426-20432.	1.5	82

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111	Progress in Liquid and Glass Physics by Brillouin Scattering Spectroscopy. Solid State Physics, 2012, , 1-77.	1.3	33
112	Entropic vs. elastic models of fragility of glass-forming liquids: Two sides of the same coin?. Journal of Chemical Physics, 2012, 137, 164505.	1.2	3
114	Single Nanoscale Cluster Species Revealed by <sup>1</sup> H NMR Diffusion-Ordered Spectroscopy and Small-Angle X-Ray Scattering. Angewandte Chemie - International Edition, 2012, 51, 10992-10996.	7.2	26
115	Stochastic Model for Volume Relaxation in Glass Forming Materials: Local Specific Volume Model. Macromolecules, 2012, 45, 7237-7259.	2.2	20
116	Extracting vibrational modes from fluctuations: a pedagogical discussion. Soft Matter, 2012, 8, 6092.	1.2	54
117	Structural Characteristics of Novel Ca-Mg Orthosilicate and Suborthosilicate Glasses: Results from <sup>29</sup> Si and <sup>17</sup> O NMR Spectroscopy. Journal of Physical Chemistry B, 2012, 116, 2696-2702.	1.2	58
118	Thermal Analysis and Raman Spectra of Different Phases of the Ionic Liquid Butyltrimethylammonium Bis(trifluoromethylsulfonyl)imide. Journal of Physical Chemistry B, 2012, 116, 9238-9245.	1.2	35
119	Structure and composition of the surface layer of Zr-containing fiberglass materials. Journal of Non-Crystalline Solids, 2012, 358, 1053-1058.	1.5	9
120	Perspective: Supercooled liquids and glasses. Journal of Chemical Physics, 2012, 137, 080901.	1.2	427
121	Amorphous Inorganic Polysialates: Geopolymeric Composites and the Bioactivity of Hydroxyl Groups. Hot Topics in Thermal Analysis and Calorimetry, 2012, , 441-460.	0.5	1
122	NMR studies of oxide-based glasses. Annual Reports on the Progress of Chemistry Section C, 2012, 108, 177.	4.4	138
123	Estimating accuracy of <sup>17</sup> O NMR measurements in oxide glasses: Constraints and evidence from crystalline and glassy calcium and barium silicates. Journal of Non-Crystalline Solids, 2012, 358, 2999-3006.	1.5	30
124	Channel diffusion in sodium silicate melts. Neutron News, 2012, 23, 35-37.	0.1	22
125	Local structure of LiCo <sub>2</sub> nanoparticles studied by Co K-edge x-ray absorption spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 335305.	0.7	12
126	Some aspects of composite inorganic polysialates. Journal of Thermal Analysis and Calorimetry, 2012, 108, 511-517.	2.0	13
127	FTIR spectra of pseudo-binary sodium borate glasses containing TeO <sub>2</sub> . Journal of Molecular Structure, 2012, 1014, 1-6.	1.8	67
128	Evidence of active regions for ion transport in lithium silicate glasses using the isoconfigurational ensemble. Solid State Ionics, 2012, 209-210, 5-8.	1.3	17
129	Compositional dependences of average positron lifetime in binary As-S/Se glasses. Physica B: Condensed Matter, 2012, 407, 652-655.	1.3	34



#	ARTICLE	IF	CITATIONS
130	Maxwell equation for conductivity of dielectrics as the basis of direct relationship of ionic electrical conductivity and mechanical losses in glasses. New problems of physical chemistry of glass. <i>Glass Physics and Chemistry</i> , 2012, 38, 27-40.	0.2	4
131	Enthalpy relaxation of the glassy matrix in vanadium-molybdenum-tellurite oxide glasses. <i>Thermochimica Acta</i> , 2013, 566, 10-14.	1.2	5
132	Free volume fragmentation in glassy chalcogenides during natural physical ageing as probed by PAL spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2013, 377, 49-53.	1.5	20
133	SiO <sub>2</sub> -Na <sub>2</sub> O-B <sub>2</sub> O <sub>3</sub> density: A comparison of experiments, simulations, and theory. <i>Journal of Non-Crystalline Solids</i> , 2013, 382, 32-44.	1.5	51
134	Densification and plastic deformation under microindentation in silicate glasses and the relation to hardness and crack resistance. <i>Journal of Non-Crystalline Solids</i> , 2013, 364, 40-43.	1.5	63
135	Structure of Glasses in the Pseudobinary System Ga <sub>2</sub> Se <sub>3</sub> -GeSe <sub>2</sub> : Violation of Chemical Order and 8-N Coordination Rule. <i>Journal of Physical Chemistry B</i> , 2013, 117, 16594-16601.	1.2	45
136	Effect of the Na/K mixing on the structure and the rheology of tectosilicate silica-rich melts. <i>Chemical Geology</i> , 2013, 346, 57-71.	1.4	105
137	Hot topics of thermal analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 459-462.	2.0	3
138	Statistics of modifier distributions in mixed network glasses. <i>Journal of Chemical Physics</i> , 2013, 138, 12A522.	1.2	43
139	Identifying and characterising the different structural length scales in liquids and glasses: an experimental approach. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15286.	1.3	45
140	Effect of water and network connectivity on glass elasticity and melt fragility. <i>Chemical Geology</i> , 2013, 346, 72-80.	1.4	16
141	Structure and bonding characteristics of chalcogenide glasses in the system BaSeGa <sub>2</sub> Se <sub>3</sub> GeSe <sub>2</sub> . <i>Journal of Non-Crystalline Solids</i> , 2013, 375, 40-46.	1.5	11
142	Nanoscale structure and atomic disorder in the iron-based chalcogenides. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 014401.	2.8	14
143	Intermediate-range structure in ion-conducting tellurite glasses. <i>Europhysics Letters</i> , 2013, 103, 36002.	0.7	2
144	Intrinsic dosimetry: Elemental composition effects on the thermoluminescence of commercial borosilicate glass. <i>Radiation Measurements</i> , 2013, 59, 270-276.	0.7	14
145	Interactions between network cation coordination and non-bridging oxygen abundance in oxide glasses and melts: Insights from NMR spectroscopy. <i>Chemical Geology</i> , 2013, 346, 34-46.	1.4	67
146	Computational simulations of solid state NMR spectra: a new era in structure determination of oxide glasses. <i>RSC Advances</i> , 2013, 3, 10550.	1.7	81
147	The liquid-amorphous transition and the high pressure phase diagram of carbon. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 155101.	0.7	5

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149	Synthesis and physical properties of chalcogenide glasses in the system BaSeâ€“Ga <sub>2</sub> Se <sub>3</sub> â€“GeSe <sub>2</sub> . Journal of Non-Crystalline Solids, 2013, 369, 38-43.	1.5	10
150	Phonons in two-dimensional colloidal crystals with bond-strength disorder. Physical Review E, 2013, 87, 052301.	0.8	15
151	Structural disorder and the effects of aging in a phosphate glass: Results from two-dimensional 31P PASS NMR spectroscopy. Journal of Non-Crystalline Solids, 2013, 359, 33-39.	1.5	10
152	Thermal collapse of SAPO-34 molecular sieve towards a perfect glass. Journal of Non-Crystalline Solids, 2013, 360, 36-40.	1.5	21
153	The rheology of peralkaline rhyolites from Pantelleria Island. Journal of Volcanology and Geothermal Research, 2013, 249, 201-216.	0.8	59
154	Poisson's ratio over two centuries: challenging hypotheses. Notes and Records of the Royal Society, 2013, 67, 37-58.	0.1	40
155	Molecular dynamics study of network statistics in lithium disilicate: $\langle i \rangle Q \langle /i \rangle_n$ distribution and the pressure-volume diagram. Journal of Chemical Physics, 2013, 139, 064503.	1.2	15
156	<i>In situ</i> Brillouin study of sodium aluminosilicate glasses under pressure. Journal of Chemical Physics, 2013, 139, 074501.	1.2	26
157	Aerodynamic levitator furnace for measuring thermophysical properties of refractory liquids. Review of Scientific Instruments, 2013, 84, 124901.	0.6	82
159	Grand Challenges in Glass Science. Frontiers in Materials, 2014, 1, .	1.2	59
160	Ionic Dynamics in [C <sub>4</sub> mim]NTf <sub>2</sub> in the Glassy and Liquid States: Results from <sup>13</sup> C and <sup>1</sup> H NMR Spectroscopy. Journal of Physical Chemistry B, 2014, 118, 14888-14898.	1.2	15
161	High-pressure experimental studies on geo-liquids using synchrotron radiation at the Advanced Photon Source. Journal of Earth Science (Wuhan, China), 2014, 25, 939-958.	1.1	7
162	High-temperature heat capacity and density of simulated high-level waste glass. Journal of Nuclear Materials, 2014, 454, 298-307.	1.3	10
163	Versatility of Evaporation-Induced Self-Assembly (EISA) Method for Preparation of Mesoporous TiO <sub>2</sub> for Energy and Environmental Applications. Materials, 2014, 7, 2697-2746.	1.3	97
164	Energetics of Silica-Poor Glasses in the Systems $\langle \text{MgO} \rangle$ and $\langle \text{SiO}_2 \rangle$ and $\langle \text{Mg} \rangle_{0.5} \langle \text{Ca} \rangle_{0.5} \langle \text{O} \rangle$ â€“ $\langle \text{SiO}_2 \rangle$ . Journal of the American Ceramic Society, 2014, 97, 451-456.	1.9	3
165	Multilayer thick-film structures based on spinel ceramics. Canadian Journal of Physics, 2014, 92, 822-826.	0.4	27
166	A model for phosphate glass topology considering the modifying ion sub-network. Journal of Chemical Physics, 2014, 140, .	1.2	54
167	The polymerâ€“polymorphoid nature of glass aging. Journal of Non-Crystalline Solids, 2014, 404, 174-181.	1.5	7

#	ARTICLE	IF	CITATIONS
168	The Structural Properties of Cations in Nuclear Glasses. , 2014, 7, 23-31.		34
169	Atomic and electronic structures of an extremely fragile liquid. Nature Communications, 2014, 5, 5892.	5.8	76
170	Thermally-induced crystallization behaviour of $80\text{GeSe}_2\text{-}20\text{Ga}_2\text{Se}_3$ glass as probed by combined X-ray diffraction and PAL spectroscopy. Journal of Alloys and Compounds, 2014, 582, 323-327.	2.8	41
171	Solid-state NMR study of dopant effects on the chemical properties of $\text{Mg}^{2+}$ , $\text{In}^{3+}$ , and $\text{Al}^{3+}$ -doped $\text{SnP}_2\text{O}_7$ . Magnetic Resonance in Chemistry, 2014, 52, 163-171.	1.1	5
172	Amorphous Metal-Organic Frameworks. Accounts of Chemical Research, 2014, 47, 1555-1562.	7.6	502
173	Revealing the fast atomic motion of network glasses. Nature Communications, 2014, 5, 3939.	5.8	87
174	Pressure-induced amorphization and polyamorphism: Inorganic and biochemical systems. Progress in Materials Science, 2014, 61, 216-282.	16.0	124
175	Kinetics of light-assisted physical ageing in chalcogenide glasses. Journal of Materials Science, 2014, 49, 2844-2852.	1.7	8
176	The structure of glass: A phase equilibrium diagram approach. Progress in Materials Science, 2014, 61, 144-215.	16.0	125
177	Disorder and excess modes in hard-sphere colloidal systems. Europhysics Letters, 2014, 108, 38002.	0.7	15
178	Spectroscopic Observation of Fractal Packing of Oxygen in Variably Modified Glassy Tetrahedral Networks. Journal of Physical Chemistry Letters, 2014, 5, 555-559.	2.1	8
179	Structural signatures of (two) characteristic dynamical temperatures in lithium metasilicate. Journal of Physics Condensed Matter, 2014, 26, 155104.	0.7	4
180	Observation of the transition state for pressure-induced $\text{BO}_3 \rightarrow \text{BO}_4$ conversion in glass. Science, 2014, 345, 1027-1029.	6.0	47
181	A VLBI resolution of the Pleiades distance controversy. Science, 2014, 345, 1029-1032.	6.0	106
182	Anharmonic Damping of Terahertz Acoustic Waves in a Network Glass and Its Effect on the Density of Vibrational States. Physical Review Letters, 2014, 112, 125502.	2.9	36
183	Reaching the ionic limit in the $(1-x)[\text{Ca}_{0.5}\text{Mg}_{0.5}]\text{O-xSiO}_2$ pseudo binary glass system with $0.5 < x < 0.27$ : Glass formation and structure. Journal of Non-Crystalline Solids, 2014, 383, 38-43.	1.5	17
184	$\text{Y}_3\text{Al}_5\text{O}_{12}$ - $\text{SiO}_2$ Glasses: Structure and Polyamorphism. Journal of the American Ceramic Society, 2014, 97, 2054-2060.	1.9	13
185	Statistical mechanics of glass. Journal of Non-Crystalline Solids, 2014, 396-397, 41-53.	1.5	96

#	ARTICLE	IF	CITATIONS
186	Photoinduced Deformations in Chalcogenide Glasses. , 2014, , 71-108.		2
188	First-principles study of a sodium borosilicate glass-former. I. The liquid state. Physical Review B, 2015, 91, .	1.1	27
191	Thermal collapse and hierarchy of polymorphs in a faujasite-type zeolite and its analogous melt-quenched glass. Journal of Chemical Physics, 2015, 142, 084503.	1.2	8
192	The formation of glass: a quantitative perspective. Science China Materials, 2015, 58, 378-425.	3.5	46
193	Medium range order and structural relaxation in As <sup>Se</sup> network glasses through FSDP analysis. Materials Chemistry and Physics, 2015, 153, 432-442.	2.0	13
194	Structural Studies of Liquids and Glasses Using Aerodynamic Levitation. Springer Theses, 2015, , .	0.0	6
195	An in situ spectroscopic study of the local structure of oxyfluoride melts: NMR insights into the speciation in molten LiF <sup>LaF<sub>3</sub></sup> Li <sub>2</sub> O systems. Dalton Transactions, 2015, 44, 522-529.	1.6	11
196	Centrifugal Field-Induced Colloidal Assembly: From Chaos to Order. ACS Nano, 2015, 9, 6944-6950.	7.3	31
197	Computational Modeling of Silicate Glasses: A Quantitative Structure-Property Relationship Perspective. Springer Series in Materials Science, 2015, , 113-135.	0.4	15
198	Glass formation <i>via</i> structural fragmentation of a 2D coordination network. Chemical Communications, 2015, 51, 12728-12731.	2.2	36
199	Persistent homology and many-body atomic structure for medium-range order in the glass. Nanotechnology, 2015, 26, 304001.	1.3	73
200	Q-Speciation and Network Structure Evolution in Invert Calcium Silicate Glasses. Journal of Physical Chemistry B, 2015, 119, 8440-8445.	1.2	27
201	Probing of 2 dimensional confinement-induced structural transitions in amorphous oxide thin film. Scientific Reports, 2014, 4, 4200.	1.6	41
202	Is ergodicity in an oxide glass ionic conductor a matter of time?. Physica A: Statistical Mechanics and Its Applications, 2015, 432, 400-409.	1.2	4
203	Relating the Poisson's ratio to molecular dynamics of glass-formers. Journal of Molecular Liquids, 2015, 205, 37-41.	2.3	7
204	Networks under pressure: the development of <i>in situ</i> high-pressure neutron diffraction for glassy and liquid materials. Journal of Physics Condensed Matter, 2015, 27, 133201.	0.7	61
205	Hybrid glasses from strong and fragile metal-organic framework liquids. Nature Communications, 2015, 6, 8079.	5.8	242
206	Atomic and vibrational origins of mechanical toughness in bioactive cement during setting. Nature Communications, 2015, 6, 8631.	5.8	55

#	ARTICLE	IF	CITATIONS
207	The influence of transition metal oxides type M <sup>+</sup> /M <sup>++</sup> on the vanadium <sup>5+</sup> tellurite glasses electrical behavior. <i>Solid State Sciences</i> , 2015, 49, 83-89.	1.5	13
208	Structure of the network glass-former ZnCl <sub>2</sub> : From the boiling point to the glass. <i>Journal of Non-Crystalline Solids</i> , 2015, 407, 235-245.	1.5	21
209	Entropic shrinkage of an oxide glass. <i>Nature Materials</i> , 2015, 14, 312-317.	13.3	44
210	Disorder-induced Room Temperature Ferromagnetism in Glassy Chromites. <i>Scientific Reports</i> , 2015, 4, 4686.	1.6	12
211	Ion dynamics in single and mixed former glasses: Correlation between microscopic lengths and network structure. <i>Journal of Electroceramics</i> , 2015, 34, 20-27.	0.8	10
212	Photoluminescence of Sn <sup>2+</sup> -centre as probe of transient state of supercooled liquid. <i>Optical Materials Express</i> , 2016, 6, 1827.	1.6	11
213	Molecular dynamics simulation of thermodynamic and structural properties of silicate glass: Effect of the alkali oxide modifiers. <i>Journal of Non-Crystalline Solids</i> , 2016, 448, 16-26.	1.5	56
214	Class Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5195-5200.	7.2	113
215	Effect of Sodium Oxide Modifier on Structural and Elastic Properties of Silicate Glass. <i>Journal of Physical Chemistry B</i> , 2016, 120, 13193-13205.	1.2	68
216	Structure-composition relationships of bioactive borophosphosilicate glasses probed by multinuclear <sup>11</sup> B, <sup>29</sup> Si, and <sup>31</sup> P solid state NMR. <i>RSC Advances</i> , 2016, 6, 101288-101303.	1.7	50
218	Isotropic rotation vs. shear relaxation in supercooled liquids with globular cage molecules. <i>Journal of Chemical Physics</i> , 2016, 144, 174501.	1.2	13
219	Unveiling Dimensionality Dependence of Glassy Dynamics: 2D Infinite Fluctuation Eclipses Inherent Structural Relaxation. <i>Physical Review Letters</i> , 2016, 117, 245701.	2.9	77
220	Potential of mean force and transient states in polyelectrolyte pair complexation. <i>Journal of Chemical Physics</i> , 2016, 145, 034901.	1.2	16
221	On the Anomalously Strong Dependence of the Acoustic Velocity of Alumina on Temperature in Aluminosilicate Glass Optical Fibers <sup>Part II</sup> : Acoustic Properties of Alumina and Silica Polymorphs, and Approximations of the Glassy State. <i>International Journal of Applied Glass Science</i> , 2016, 7, 11-26.	1.0	7
222	Impact of nitridation of metaphosphate glasses on liquid fragility. <i>Journal of Non-Crystalline Solids</i> , 2016, 441, 22-28.	1.5	26
223	Glass structure, melt structure, and dynamics: Some concepts for petrology. <i>American Mineralogist</i> , 2016, 101, 753-768.	0.9	33
224	Modifier cation effects on <sup>29</sup> Si nuclear shielding anisotropies in silicate glasses. <i>Journal of Magnetic Resonance</i> , 2016, 268, 95-106.	1.2	21
225	Dielectric relaxation of vanadium <sup>5+</sup> molybdenum tellurite glasses modified by alkaline-earth oxides. <i>Journal of Non-Crystalline Solids</i> , 2016, 444, 49-54.	1.5	7

#	ARTICLE	IF	CITATIONS
226	Topochemical Tailoring of Tellurium Quantum Dot Precipitation from Supercooled Polyphosphates for Broadband Optical Amplification. <i>Advanced Optical Materials</i> , 2016, 4, 1624-1634.	3.6	33
227	Class formation and Raman spectra of CaO-SiO <sub>2</sub> glasses towards the orthosilicate limit. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 99, 19-24.	1.9	20
228	Nanoporous Transparent MOF Glasses with Accessible Internal Surface. <i>Journal of the American Chemical Society</i> , 2016, 138, 10818-10821.	6.6	83
229	Recent advances in identifying the structure of liquid and glassy oxide and chalcogenide materials under extreme conditions: a joint approach using diffraction and atomistic simulation. <i>Advances in Physics: X</i> , 2016, 1, 640-660.	1.5	14
230	Hierarchical structures of amorphous solids characterized by persistent homology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7035-7040.	3.3	221
231	The Bearings from Rare-Earth (RE = La, Lu, Sc, Y) Cations on the Oxygen Environments in Aluminosilicate Glasses: A Study by Solid-State <sup>17</sup> O NMR, Molecular Dynamics Simulations, and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13181-13198.	1.5	31
232	Effect of cation field strength on Co <sup>2+</sup> speciation in alkali-borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2016, 451, 101-110.	1.5	28
233	Class Formation of a Coordination Polymer Crystal for Enhanced Proton Conductivity and Material Flexibility. <i>Angewandte Chemie</i> , 2016, 128, 5281-5286.	1.6	22
234	Unveiling the structural arrangements responsible for the atomic dynamics in metallic glasses during physical aging. <i>Nature Communications</i> , 2016, 7, 10344.	5.8	87
235	Atomic Diffusion in Glasses Studied with Coherent X-Rays. <i>Springer Theses</i> , 2016, , .	0.0	1
236	Defects and disorder in metal organic frameworks. <i>Dalton Transactions</i> , 2016, 45, 4113-4126.	1.6	159
237	A new interatomic pair potential for the modeling of crystalline Li <sub>2</sub> SiO <sub>3</sub> . <i>Materials and Design</i> , 2017, 118, 218-225.	3.3	7
238	Melt-Quenched Hybrid Glasses from Metal-Organic Frameworks. <i>Advanced Materials</i> , 2017, 29, 1601705.	11.1	62
239	Topological engineering of glasses using temperature-dependent constraints. <i>MRS Bulletin</i> , 2017, 42, 29-33.	1.7	19
240	Preparation and characterizations of Yb:YAG-derived silica fibers drawn by on-line feeding molten core approach. <i>Ceramics International</i> , 2017, 43, 5837-5841.	2.3	22
241	Understanding the effects of Poisson's ratio on the shear band behavior and plasticity of metallic glasses. <i>Journal of Materials Science</i> , 2017, 52, 6789-6799.	1.7	14
242	Mixed alkali silicophosphate oxynitride glasses: Structure-property relations. <i>Journal of Non-Crystalline Solids</i> , 2017, 462, 51-64.	1.5	15
243	Laser effects on phase transition for cubic Sb <sub>2</sub> O <sub>3</sub> microcrystals under high pressure. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5451-5457.	2.7	26

#	ARTICLE	IF	CITATIONS
244	Mixed Glass Former Effect in $\text{Ag}_2\text{O}-\text{SeO}_2-\text{TeO}_2$ Glasses: Dependence on Characteristic Displacement of Mobile Ions and Relative Population of Bond Vibrations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 8738-8745.	1.5	16
245	Microstructural transitions and dielectric properties of boron-doped amorphous alumina thin film. <i>Journal of Materials Science</i> , 2017, 52, 9314-9323.	1.7	7
246	Structure of MgO/CaO sodium aluminosilicate glasses: Raman spectroscopy study. <i>Journal of Non-Crystalline Solids</i> , 2017, 470, 145-151.	1.5	43
247	Molecular structure, configurational entropy and viscosity of silicate melts: Link through the Adam and Gibbs theory of viscous flow. <i>Journal of Non-Crystalline Solids</i> , 2017, 463, 175-188.	1.5	54
248	Ion dynamics in AgI doped silver selenium-tellurite mixed former glasses. <i>Journal of Applied Physics</i> , 2017, 121, 125104.	1.1	11
249	Parameterization and Validation of Thermochemical Models of Glass by Advanced Statistical Analysis of Spectral Data. <i>Hot Topics in Thermal Analysis and Calorimetry</i> , 2017, , 257-278.	0.5	7
250	Communication: Non-Newtonian rheology of inorganic glass-forming liquids: Universal patterns and outstanding questions. <i>Journal of Chemical Physics</i> , 2017, 146, 081103.	1.2	11
251	Solid-state synthesis of Nd-doped glass: thermal collapse of $\text{Nd}^{3+}$ -incorporated NaY zeolites. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 183-190.	3.0	2
252	Formation, structure and properties of fluoro-sulfo-phosphate poly-anionic glasses. <i>Journal of Non-Crystalline Solids</i> , 2017, 477, 58-72.	1.5	55
253	Structure and thermal relaxation of network units and crystallization of lithium silicate based glasses doped with oxides of Al and B. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26034-26046.	1.3	9
254	Ab Initio Modeling of Structure and Properties of Single and Mixed Alkali Silicate Glasses. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7697-7708.	1.1	44
255	Development and application of novel NMR methodologies for the in situ characterization of crystallization processes of metastable crystalline materials. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2017, 232, 141-159.	0.4	4
256	Analysis of the fragility of the $\text{Zr}_{77}\text{Ni}_{23}$ metallic glass based on low-temperature heat capacity measurements. <i>Physical Review B</i> , 2017, 96, .	1.1	3
257	Percolation channels: a universal idea to describe the atomic structure and dynamics of glasses and melts. <i>Scientific Reports</i> , 2017, 7, 16490.	1.6	76
258	Relaxation processes and physical aging in metallic glasses. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 503002.	0.7	86
259	Experimental studies of vibrational modes in a two-dimensional amorphous solid. <i>Nature Communications</i> , 2017, 8, 67.	5.8	33
260	Electronic structures and physical properties of Na <sub>2</sub> O doped silicate glass. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	29
261	Molecular Dynamics Simulation of Silicate Glasses. <i>Topics in Applied Physics</i> , 2017, , 415-458.	0.4	2

#	ARTICLE	IF	CITATIONS
263	Atomistic and electronic structures of functional disordered materials revealed by a combination of quantum-beam measurements and computer simulations. Journal of the Ceramic Society of Japan, 2017, 125, 799-807.	0.5	9
264	Depolymerization of sodium polyphosphates on an iron oxide surface at high temperature. Physical Chemistry Chemical Physics, 2018, 20, 7819-7835.	1.3	15
265	Cluster formation of network-modifier cations in cesium silicate glasses. Journal of Chemical Physics, 2018, 148, 094502.	1.2	12
266	Kinetics of Decelerated Melting. Advanced Science, 2018, 5, 1700850.	5.6	13
267	Structure–composition trends in multicomponent borosilicate-based glasses deduced from molecular dynamics simulations with improved B–O and P–O force fields. Physical Chemistry Chemical Physics, 2018, 20, 8192-8209.	1.3	56
268	Analysis of thermophysical properties of lead silicates in comparison to bulk metallic glasses. Journal of Non-Crystalline Solids, 2018, 485, 66-73.	1.5	2
269	Two-domain structure and dynamics heterogeneity in a liquid SiO <sub>2</sub> . Journal of Non-Crystalline Solids, 2018, 484, 124-131.	1.5	2
270	Order vs. Disorder in the Solid State. , 2018, , 9-39.		0
271	Structure of Ancient Glass by <sup>29</sup> Si Magic Angle Spinning NMR Spectroscopy. Chemistry - A European Journal, 2018, 24, 7474-7479.	1.7	6
272	Intrinsic charge trapping in amorphous oxide films: status and challenges. Journal of Physics Condensed Matter, 2018, 30, 233001.	0.7	55
273	Boson peak, heterogeneity and intermediate-range order in binary SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> glasses. Scientific Reports, 2018, 8, 5394.	1.6	47
274	Facile synthesis of amorphous UiO-66 (Zr-MOF) for supercapacitor application. Journal of Alloys and Compounds, 2018, 733, 8-14.	2.8	113
275	Statistical mechanical model of bonding in mixed modifier glasses. Journal of the American Ceramic Society, 2018, 101, 1906-1915.	1.9	21
276	Correlation between ion transport and network structure of Li <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> glasses. Solid State Ionics, 2018, 314, 1-8.	1.3	19
277	Structure and dynamics of high-temperature strontium aluminosilicate melts. Physical Chemistry Chemical Physics, 2018, 20, 27865-27877.	1.3	18
278	Prediction of the Glass Transition Temperatures of Zeolitic Imidazolate Glasses through Topological Constraint Theory. Journal of Physical Chemistry Letters, 2018, 9, 6985-6990.	2.1	29
279	Nano-heterogeneity of natural impact silica-rich glasses according to atomic force microscopy and spectroscopy data. Journal of Non-Crystalline Solids, 2018, 500, 388-400.	1.5	7
280	Role of Bi and Ga additives in the physical properties and structure of GeSe <sub>4</sub> -GeTe <sub>4</sub> glasses. Materials Characterization, 2018, 142, 50-58.	1.9	2



#	ARTICLE	IF	CITATIONS
281	Statistical mechanics of topological fluctuations in glass-forming liquids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 510, 787-801.	1.2	14
282	Structural Relaxation in Polyanionic Sodium Fluorophosphate Glasses. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	13
283	Configurational constraints on glass formation in the liquid calcium aluminate system. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 104012.	0.9	4
284	Structure-transport correlation of super-ionic mixed network former glasses. <i>Solid State Ionics</i> , 2019, 343, 115126.	1.3	12
285	Vulnerability Analysis of China's Railway Express Freight Transportation as a Complex Network Problem. , 2019, , .		0
286	Detection of Ageing Effect in Polyesterimide by Terahertz Time-Domain Spectroscopy. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2019, 9, 651-658.	2.0	3
287	Structural Role of Sodium in Borosilicate, Phosphosilicate, and Borophosphosilicate Glasses Unveiled by Solid-State NMR and MD Simulations. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25816-25832.	1.5	30
288	Medium-range structural changes in glassy As <sub>2</sub> S <sub>3</sub> driven by high-energy mechanical milling. <i>Journal of Non-Crystalline Solids</i> , 2019, 505, 347-353.	1.5	6
289	Modifier clustering and avoidance principle in borosilicate glasses: A molecular dynamics study. <i>Journal of Chemical Physics</i> , 2019, 150, 044502.	1.2	16
290	Local Chemistry Engineering in Doped Photonic Glass for Optical Pulse Generation. <i>Advanced Optical Materials</i> , 2019, 7, 1801413.	3.6	12
291	Fragility and aging behavior of SixSe <sub>1-x</sub> glasses and liquids. <i>Journal of Chemical Physics</i> , 2019, 150, 044506.	1.2	4
292	Rich Polymorphism of a Metal-Organic Framework in Pressure-Temperature Space. <i>Journal of the American Chemical Society</i> , 2019, 141, 9330-9337.	6.6	68
293	Solid state NMR at very high temperatures. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2019, 114-115, 71-85.	3.9	10
294	Signature of rigidity percolation effect in dielectric behavior of germanium containing multi-component chalcogenide glasses (ChGs). <i>Ceramics International</i> , 2019, 45, 16279-16287.	2.3	11
295	Understanding Glass through Differential Scanning Calorimetry. <i>Chemical Reviews</i> , 2019, 119, 7848-7939.	23.0	258
296	Heterogeneous-homogeneous transition and anomaly of density in SPC/E water examined by molecular dynamics simulations. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 527, 121391.	1.2	3
297	Neutron scattering studies of static and dynamic correlation lengths in alkali metal borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2019, 518, 18-23.	1.5	7
298	Analysis of commercial glasses with different strengthening treatments: Emphasis on the tin side, defects, structure connectivity and cracking behavior. <i>Journal of Non-Crystalline Solids</i> , 2019, 518, 1-9.	1.5	2

#	ARTICLE	IF	CITATIONS
299	Predicting Graph Operator Output over Multiple Graphs. Lecture Notes in Computer Science, 2019, , 107-122.	1.0	2
300	Development of Water Reactive Potentials for Sodium Silicate Glasses. Journal of Physical Chemistry B, 2019, 123, 4452-4461.	1.2	27
301	Distribution of sodium and dynamical heterogeneity in sodium silicate liquid. International Journal of Modern Physics B, 2019, 33, 1950013.	1.0	1
302	Defects, dopants and Li-ion diffusion in Li <sub>2</sub> SiO <sub>3</sub> . Solid State Ionics, 2019, 335, 61-66.	1.3	28
303	Observation of a dynamical crossover in the shear relaxation processes in supercooled selenium near the glass transition. Journal of Chemical Physics, 2019, 150, 094502.	1.2	19
304	Crystal melting and glass formation in copper thiocyanate based coordination polymers. Chemical Communications, 2019, 55, 5455-5458.	2.2	57
305	Pentacoordinated silicon in ambient pressure potassium and lithium silicate glasses: Temperature and compositional effects and analogies to alkali borate and germanate systems. Journal of Non-Crystalline Solids: X, 2019, 1, 100012.	0.5	5
306	Mixed alkali/alkaline earth-silicate glasses: Physical properties and structure by vibrational spectroscopy. International Journal of Applied Glass Science, 2019, 10, 349-362.	1.0	38
307	Phase separation in alumina-rich glasses to increase glass reactivity for low-CO <sub>2</sub> alkali-activated cements. Journal of Cleaner Production, 2019, 213, 126-133.	4.6	22
308	Making amorphous ZnO: Theoretical predictions of its structure and stability. Physical Review B, 2019, 99, .	1.1	22
309	Stable cycling of all-solid-state lithium battery with surface amorphized Li <sub>1.5</sub> Al <sub>0.5</sub> Ge <sub>1.5</sub> (PO <sub>4</sub> ) <sub>3</sub> electrolyte and lithium anode. Electrochimica Acta, 2019, 297, 281-287.	2.6	35
310	Comparative study of free-volume nanostructurization in glassy and crystalline As <sub>2</sub> S <sub>3</sub> re-examined with annihilating positrons. Journal of Non-Crystalline Solids, 2019, 503-504, 98-102.	1.5	5
311	Dynamics in inorganic glass-forming liquids by NMR spectroscopy. Progress in Nuclear Magnetic Resonance Spectroscopy, 2020, 116, 155-176.	3.9	21
312	From Molten Calcium Aluminates through Phase Transitions to Cement Phases. Advanced Science, 2020, 7, 1902209.	5.6	15
313	Design and synthesis of chemically complex ceramics from the perspective of entropy. Materials Today Advances, 2020, 8, 100114.	2.5	24
314	Vibrational density of states of amorphous solids with long-ranged power-law-correlated disorder in elasticity. European Physical Journal E, 2020, 43, 72.	0.7	1
315	An Eco-Friendly Fluidizable Fe <sub>x</sub> O <sub>y</sub> /CaO- $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Catalyst for Tar Cracking during Biomass Gasification. Catalysts, 2020, 10, 806.	1.6	14
316	Deformation Behavior of Glass Nanostructures in Hot Embossing. ACS Applied Materials & Interfaces, 2020, 12, 36311-36319.	4.0	19

#	ARTICLE	IF	CITATIONS
317	Statistical description of the thermodynamics of glass-forming liquids. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 559, 125059.	1.2	5
318	Dynamics of an Anisotropic Metaphosphate $\text{LiNaKCsPO}_3$ Glass by Inelastic X-Ray Scattering. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000172.	0.7	2
319	New analysis characterizing the dynamics heterogeneity and microstructure in liquid silicates. <i>Journal of Physics: Conference Series</i> , 2020, 1506, 012018.	0.3	0
320	Low-temperature preparation of h-ZrB <sub>2</sub> crystallites in the air. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 261, 114698.	1.7	2
321	Statistical learning of NMR tensors from 2D isotropic/anisotropic correlation nuclear magnetic resonance spectra. <i>Journal of Chemical Physics</i> , 2020, 153, 134201.	1.2	9
322	Thermodynamic equilibrium and kinetic fundamentals of oxide dissolution in aqueous solution. <i>Journal of Materials Research</i> , 2020, 35, 898-921.	1.2	9
323	Predicting the glass-forming ability of rare earth-contained Fe-based alloys by features of dynamic transition in their melts. <i>Journal of Non-Crystalline Solids</i> , 2020, 537, 120020.	1.5	7
324	Nanometric Fluctuations of Sound Velocity in Alkali Borate Glasses and Fragility of Respective Melts. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000073.	0.7	4
325	Very sharp diffraction peak in nonglass-forming liquid with the formation of distorted tetraclusters. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	28
326	Ultrahigh-field <sup>67</sup> Zn NMR reveals short-range disorder in zeolitic imidazolate framework glasses. <i>Science</i> , 2020, 367, 1473-1476.	6.0	132
327	On the Influence of Phase Change in Highly Loaded Frictional Contacts. <i>Tribology Letters</i> , 2020, 68, 1.	1.2	3
328	Study on the effect of glass on the properties of $\text{Na}_2\text{CO}_3\text{-K}_2\text{CO}_3$ eutectic salt/MgO composite as phase change thermal storage materials. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, . 1-12.	1.2	1
329	Ionic glasses: Structure, properties and classification. <i>Journal of Non-Crystalline Solids: X</i> , 2020, 8, 100054.	0.5	34
330	Unravelling the effect of nano-heterogeneity on the viscosity of silicate melts: Implications for glass manufacturing and volcanic eruptions. <i>Journal of Non-Crystalline Solids</i> , 2020, 545, 120248.	1.5	41
331	Reorientational dynamics of trimethoxyboroxine: A molecular glass former studied by dielectric spectroscopy and <sup>11</sup> B nuclear magnetic resonance. <i>Journal of Chemical Physics</i> , 2020, 152, 034503.	1.2	8
332	Anisotropic structure of alkali metaphosphate glasses. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3631-3641.	1.9	13
333	Hydration and reaction mechanisms on sodium silicate glass surfaces from molecular dynamics simulations with reactive force fields. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3676-3690.	1.9	21
334	Effect of network structure on dynamics of lithium ions in molybdenum phosphate mixed former glasses. <i>Solid State Ionics</i> , 2020, 347, 115238.	1.3	7

#	ARTICLE	IF	CITATIONS
335	Multinuclear MAS NMR Characterization of Fly Ash-Based Advanced Sodium Aluminosilicate Geopolymer: Exploring Solid-State Reactions. <i>ChemistrySelect</i> , 2020, 5, 4920-4927.	0.7	13
336	Observation of indentation-induced shear bands in a metal-organic framework glass. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10149-10154.	3.3	47
337	Milling-driven nanonization of As S100- alloys from second glass-forming region: The case of higher-crystalline arsenicals (51 <x< 56). <i>Journal of Non-Crystalline Solids</i> , 2020, 539, 120086.	1.5	4
338	Molecular Dynamics Simulations of Glass Structure. , 2021, , 481-497.		1
339	Multi-Center Hyperbonding in Phase-Change Materials. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2000516.	1.2	19
340	Metal-organic frameworks (MOFs) beyond crystallinity: amorphous MOFs, MOF liquids and MOF glasses. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10562-10611.	5.2	250
341	Role of Anharmonic Interactions for Vibration Density of States in $\beta$ -Cristobalite. <i>Materials</i> , 2021, 14, 617.	1.3	1
342	Deformation mechanism of a metal-organic framework glass under indentation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16923-16931.	1.3	8
343	The Effect of the Incorporation of Catalase Mimetic Activity Cations on the Structural, Thermal and Chemical Durability Properties of the 45S5 Bioglass®. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
345	Network-Forming Liquids from Metal-Bis(acetamide) Frameworks with Low Melting Temperatures. <i>Journal of the American Chemical Society</i> , 2021, 143, 2801-2811.	6.6	60
347	Characterization of immiscibility in calcium borosilicates used for the immobilization of Mo 6+ under Au irradiation. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3632-3651.	1.9	1
350	Temperature dependent onset of shear thinning in supercooled glass-forming network liquids. <i>Journal of Chemical Physics</i> , 2021, 154, 094507.	1.2	2
351	Molecular structure of amorphous slags: An experimental and numerical approach. <i>Journal of Non-Crystalline Solids</i> , 2021, 556, 120444.	1.5	3
352	The Modified Random Network (MRN) Model within the Configuron Percolation Theory (CPT) of Glass Transition. <i>Ceramics</i> , 2021, 4, 121-134.	1.0	17
353	Preparation and Structure of the Ion-Conducting Mixed Molecular Glass Ga <sub>2</sub> I <sub>3</sub> . <i>Inorganic Chemistry</i> , 2021, 60, 6319-6326.	1.9	2
354	Hard x-ray methods for studying the structure of amorphous thin films and bulk glassy oxides. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 194001.	0.7	4
355	Topological origin of phase separation in hydrated gels. <i>Journal of Colloid and Interface Science</i> , 2021, 590, 199-209.	5.0	8
356	Effects of La <sub>2</sub> O <sub>3</sub> Addition into CaO-SiO <sub>2</sub> Slag: Structural Evolution and Impurity Separation from Si-Sn Alloy. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 3045-3063.	1.0	8

#	ARTICLE	IF	CITATIONS
357	Structure and formation of amorphous calcium phosphate and its role as surface layer of nanocrystalline apatite: Implications for bone mineralization. <i>Materialia</i> , 2021, 17, 101107.	1.3	38
358	Inhibiting effect of heterogeneous cations aggregation enhanced by oxygen deficiency on glass formation of BaTi <sub>2</sub> O <sub>5</sub> melts. <i>Journal of the American Ceramic Society</i> , 2021, 104, 6207-6226.	1.9	2
359	Structure of disordered materials under ambient to extreme conditions revealed by synchrotron x-ray diffraction techniques at SPring-8 recent instrumentation and synergic collaboration with modelling and topological analyses. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 383001.	0.7	33
360	Investigation of alumino-silicate glasses by coupling experiments and simulations: Part I - Structures. <i>Journal of Non-Crystalline Solids</i> , 2021, 567, 120936.	1.5	3
361	Structures and diffusion motions of K and Ca in biomass ash slags from molecular dynamics simulations. <i>Fuel</i> , 2021, 302, 121072.	3.4	12
362	Exotic structural motifs in aluminosilicate glasses quantified by solid-state NMR and molecular dynamics simulations. <i>Journal of Non-Crystalline Solids</i> , 2021, 569, 120389.	1.5	13
364	Atomic Properties. , 2021, , 67-97.		2
366	A Microscopic View of Mass Transport in Silicate Melts by Quasielastic Neutron Scattering and Molecular Dynamics Simulations. <i>Neutron Scattering Applications and Techniques</i> , 2009, , 189-209.	0.2	1
368	Structural Properties. , 2011, , 63-84.		5
369	Amorphous Selenium and Nanostructures. <i>Springer Handbooks</i> , 2019, , 645-685.	0.3	12
370	Hybrid Glasses: From Metal Organic Frameworks and Co-ordination Polymers to Hybrid Organic Inorganic Perovskites. <i>Springer Handbooks</i> , 2019, , 719-770.	0.3	3
371	First-Principles Calculation. <i>Springer Handbooks</i> , 2019, , 1097-1130.	0.3	3
372	Mixed-modifier effect in (Ca,Mg) metaphosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2017, 468, 74-81.	1.5	26
374	Structure and properties of densified silica glass: characterizing the order within disorder. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	57
375	Observation of polymer-like flow mechanism in a short-chain phosphate glass-forming liquid. <i>Journal of Chemical Physics</i> , 2020, 152, 044502.	1.2	5
376	Boson band mapping: revealing ultrafast laser induced structural modifications in chalcogenide glass. <i>Optics Letters</i> , 2020, 45, 3369.	1.7	5
377	Magnetic properties and photoluminescence of thulium-doped calcium aluminosilicate glasses. <i>Optical Materials Express</i> , 2019, 9, 4348.	1.6	10
378	Ultrasonic and Spectroscopic Studies on Structural Elucidation of Some Vanadium Glasses. <i>Research Journal of Physics</i> , 2014, 8, 1-16.	0.2	5

#	ARTICLE	IF	CITATIONS
379	Chapter 10. Melting and Amorphisation. , 2007, , 165-179.		0
380	The Use of Scattering and Spectroscopic Synchrotron Radiation Methods in Materials Science. Lecture Notes in Physics, 2009, , 105-132.	0.3	0
383	Theory of Supercooled Liquids and Glasses. Springer Theses, 2015, , 7-24.	0.0	0
384	Books and reviews. Nuclear Magnetic Resonance, 2015, , 1-45.	0.1	0
385	The Atomic-Scale Structure of Network Glass-Forming Materials. Springer Series in Materials Science, 2015, , 1-31.	0.4	1
388	Optical Spectroscopy of Glass. Springer Handbooks, 2019, , 879-908.	0.3	0
389	Neutron and X-Ray Diffraction of Glass. Springer Handbooks, 2019, , 1047-1094.	0.3	7
391	Distribution of Sodium and Diffusion Mechanism in Sodium Silicate Liquid. VNU Journal of Science Mathematics - Physics, 2019, 35, .	0.0	0
392	Relationship between diffraction peak, network topology, and amorphous-forming ability in silicon and silica. Scientific Reports, 2021, 11, 22180.	1.6	11
393	Role of alkali field strength on the speciation of Ni <sup>2+</sup> in alkali borate glasses: comparison with crystalline Ni-borates. Journal of Non-Crystalline Solids, 2022, 577, 121320.	1.5	4
394	Recent progress in the development of glass and glass-ceramic cathode/solid electrolyte materials for next-generation high capacity all-solid-state sodium-ion batteries: A review. Journal of Power Sources, 2022, 521, 230930.	4.0	35
395	Deciphering the non-linear impact of Al on chemical durability of silicate glass. Acta Materialia, 2022, 225, 117478.	3.8	17
396	Metal-Organic Network-Forming Glasses. Chemical Reviews, 2022, 122, 4163-4203.	23.0	121
397	Principles of melting in hybrid organic-inorganic perovskite and polymorphic ABX <sub>3</sub> structures. Chemical Science, 2022, 13, 2033-2042.	3.7	9
398	Aging-Induced Structural Evolution of a GeSe <sub>2</sub> Glass Network: The Role of Homopolar Bonds. Journal of Physical Chemistry B, 2022, 126, 946-952.	1.2	5
399	Study of dynamics and structure in sodium silicate glasses. Molecular dynamics simulation.. Journal of Non-Crystalline Solids, 2022, 581, 121398.	1.5	1
401	Photoluminescent coordination polymer bulk glasses and laser-induced crystallization. Chemical Science, 2022, 13, 3281-3287.	3.7	15
404	The evolution and generation of nanosurfaces and their microcontact mechanism in glass-embossing process. Journal of the American Ceramic Society, 0, , .	1.9	4

#	ARTICLE	IF	CITATIONS
408	The effect of the incorporation of catalase mimetic activity cations on the structural, thermal and chemical durability properties of the 45S5 Bioglass®. <i>Acta Materialia</i> , 2022, 229, 117801.	3.8	7
409	BELLO: A post-processing tool for the local-order analysis of disordered systems. <i>Computational Materials Science</i> , 2022, 209, 111381.	1.4	3
411	From Short to Medium Range Order in Glasses and Melts by Diffraction and Raman Spectroscopy. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 87, 55-103.	2.2	18
412	Beyond the Average: Spatial and Temporal Fluctuations in Oxide Glass-Forming Systems. <i>Chemical Reviews</i> , 2023, 123, 1774-1840.	23.0	14
413	Challenges and opportunities in atomistic simulations of glasses: a review. <i>Comptes Rendus - Geoscience</i> , 2022, 354, 35-77.	0.4	7
414	The Short-Range Order (SRO) and Structure. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 87, 1-53.	2.2	16
415	Hypersensitivity of the Glass Transition to Pressure History in a Metal-Organic Framework Glass. <i>Chemistry of Materials</i> , 2022, 34, 5030-5038.	3.2	12
417	Locality resolved. <i>Nature Physics</i> , 2022, 18, 614-615.	6.5	2
418	Deconvoluting interrelationships between low-energy vibrational modes and elastic properties in CaO-Al <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of the American Ceramic Society</i> , 0, , .	1.9	0
419	Optically active glass with a multifaceted approach. <i>Journal of Non-Crystalline Solids: X</i> , 2022, 15, 100105.	0.5	0
420	Recent progress of amorphous and glassy coordination polymers. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214646.	9.5	15
421	Observation of a Reentrant Structural Transition in an Arsenic Sulfide Liquid. <i>Journal of Chemical Physics</i> , 0, , .	1.2	0
422	Topological analyses of structure of glassy materials toward extraction of order hidden in disordered structure. <i>Journal of the Ceramic Society of Japan</i> , 2022, 130, 627-638.	0.5	1
423	The effect of replacing copper metal or oxide with neodymium on the optical properties of lithium tetraborate glass. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 19231-19241.	1.1	2
424	Probing order within disorder in oxide glasses and liquids by quantum beam diffraction. <i>Journal of the Ceramic Society of Japan</i> , 2022, 130, 531-544.	0.5	3
425	Le verre: un matériau d'aujourd'hui et de demain. <i>Materiaux Et Techniques</i> , 2022, 110, 404.		2
426	Low Energy Excitations in Borate Glass. , 0, , .		2
427	Three-Dimensional Metal-Organic Network Glasses from Bridging MF <sub>6</sub> <sup>2+</sup> Anions and Their Dynamic Insights by Solid-State NMR. <i>Inorganic Chemistry</i> , 2022, 61, 16103-16109.	1.9	3

#	ARTICLE	IF	CITATIONS
428	Composite Ceramics Based on Pastes Including Tricalcium Phosphate and an Aqueous Solution of Sodium Silicate. <i>Journal of Composites Science</i> , 2022, 6, 267.	1.4	3
429	Composite Ceramics in the Na <sub>2</sub> O-CaO-SiO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> System Obtained from Pastes including Hydroxyapatite and an Aqueous Solution of Sodium Silicate. <i>Ceramics</i> , 2022, 5, 550-561.	1.0	7
430	Solid-state NMR of glasses. , 2022, , .		2
431	Towards guided metallic ions migration in network glass-formers: The Positronics approach in application to lithium tetraborate glass. <i>Solid State Sciences</i> , 2022, 134, 107051.	1.5	1
432	Impact of TeO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> manipulation on physical, structural, optical and radiation shielding properties of Ho/Yb codoped mixed glass former borotellurite glass. <i>Ceramics International</i> , 2023, 49, 10342-10353.	2.3	4
433	Micro-Raman spectroscopy for a comprehensive understanding of the structural evolution of Basaltic-Andesite and Trachybasalt multiphase systems. <i>Chemical Geology</i> , 2023, 616, 121241.	1.4	6
434	Designing Glass and Crystalline Phases of Metal-Bis(acetamide) Networks to Promote High Optical Contrast. <i>Journal of the American Chemical Society</i> , 2022, 144, 22262-22271.	6.6	10
435	Glass, an ubiquitous material. <i>Comptes Rendus - Geoscience</i> , 2022, 354, 1-14.	0.4	1
436	Structure and fragility of normal and invert lanthanum borate glasses: Results from <sup>11</sup> B and <sup>17</sup> O NMR spectroscopy and calorimetry. <i>Journal of Non-Crystalline Solids</i> , 2023, 603, 122119.	1.5	1
437	Germanate anomaly and its temperature dependence: An ultra-high field <sup>17</sup> O NMR spectroscopic study of sodium germanate glasses. <i>Journal of Non-Crystalline Solids: X</i> , 2023, 18, 100175.	0.5	0
438	The Effect of Disorder on Endogenous MAS-DNP: Study of Silicate Glasses and Crystals. <i>Journal of Physical Chemistry C</i> , 2023, 127, 4759-4772.	1.5	7
439	Biomolecular glass with amino acid and peptide nanoarchitectonics. <i>Science Advances</i> , 2023, 9, .	4.7	27
440	Structural mapping and tuning of mixed halide ions in amorphous sulfides for fast Li-ion conduction and high deformability. <i>Journal of Materials Chemistry A</i> , 2023, 11, 7457-7467.	5.2	2
441	Probing oxide-based glass structures by solid-state NMR: Opportunities and limitations. <i>Journal of Magnetic Resonance Open</i> , 2023, 16-17, 100112.	0.5	4
442	Structural Features and Water Resistance of Glass-Matrix Composites in a System of RNO <sub>3</sub> -KHSO <sub>4</sub> -P <sub>2</sub> O <sub>5</sub> Containing Different Additives. <i>Micromachines</i> , 2023, 14, 851.	1.4	0
443	Unconventional floppy network structures in titanate glasses. <i>Acta Materialia</i> , 2023, 253, 118953.	3.8	2
444	From nanoscale heterogeneities to nanolites: cation clustering in glasses. <i>Comptes Rendus Physique</i> , 2023, 24, 1-15.	0.3	3
446	Review on transition metals containing lithium borate glasses properties, applications and perspectives. <i>Journal of Materials Science</i> , 2023, 58, 8678-8699.	1.7	5



#	ARTICLE	IF	CITATIONS
461	Bulk and transparent supramolecular glass from evaporation-induced noncovalent polymerization of nucleosides. <i>Materials Horizons</i> , 0, , .	6.4	0