

Yuanzheng Yue

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5290646/yuanzheng-yue-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

296
papers

8,534
citations

46
h-index

77
g-index

310
ext. papers

10,126
ext. citations

6.4
avg, IF

6.52
L-index

#	Paper	IF	Citations
296	Viscosity of glass-forming liquids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 19780-4	11.5	618
295	Topological principles of borosilicate glass chemistry. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 12930-4	16.4	234
294	Clarifying the glass-transition behaviour of water by comparison with hyperquenched inorganic glasses. <i>Nature</i> , 2004 , 427, 717-20	50.4	212
293	Prediction of glass hardness using temperature-dependent constraint theory. <i>Physical Review Letters</i> , 2010 , 105, 115503	7.4	195
292	Hybrid glasses from strong and fragile metal-organic framework liquids. <i>Nature Communications</i> , 2015 , 6, 8079	17.4	164
291	Transparent glass-ceramics functionalized by dispersed crystals. <i>Progress in Materials Science</i> , 2018 , 97, 38-96	42.2	164
290	Melt-Quenched Glasses of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3484-92	16.4	161
289	Femtosecond laser induced phenomena in transparent solid materials: Fundamentals and applications. <i>Progress in Materials Science</i> , 2016 , 76, 154-228	42.2	161
288	Quantitative Design of Glassy Materials Using Temperature-Dependent Constraint Theory. <i>Chemistry of Materials</i> , 2010 , 22, 5358-5365	9.6	139
287	Enhancing the electrochemical performance of lithium ion batteries using mesoporous Li ₃ V ₂ (PO ₄) ₃ /C microspheres. <i>Journal of Materials Chemistry</i> , 2012 , 22, 5960		137
286	Understanding Glass through Differential Scanning Calorimetry. <i>Chemical Reviews</i> , 2019 , 119, 7848-7939	68.1	124
285	Potential energy, relaxation, vibrational dynamics and the boson peak, of hyperquenched glasses. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S1051-S1068	1.8	116
284	Fictive temperature, cooling rate, and viscosity of glasses. <i>Journal of Chemical Physics</i> , 2004 , 120, 8053-9	3.9	113
283	A metal-organic framework with ultrahigh glass-forming ability. <i>Science Advances</i> , 2018 , 4, eaao6827	14.3	112
282	Fragile-to-strong transition in metallic glass-forming liquids. <i>Journal of Chemical Physics</i> , 2010 , 133, 014508	3.9	112
281	Nano-pH junctions on surface-coarsened TiO ₂ nanobelts with enhanced photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5106		106
280	Secondary Relaxation in Metallic Glass Formers: Its Correlation with the Genuine Johari-Goldstein Relaxation. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 15001-15006	3.8	99

279	Fabrication of highly insulating foam glass made from CRT panel glass. <i>Ceramics International</i> , 2015 , 41, 9793-9800	5.1	94
278	Metal-organic framework glasses with permanent accessible porosity. <i>Nature Communications</i> , 2018 , 9, 5042	17.4	91
277	Composition-structure-property relationships in boroaluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 993-1002	3.9	76
276	Full solar spectrum light driven thermocatalysis with extremely high efficiency on nanostructured Ce ion substituted OMS-2 catalyst for VOCs purification. <i>Nanoscale</i> , 2015 , 7, 2633-40	7.7	71
275	Mesoporous zirconium phosphate from yeast biotemplate. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 344-9	9.3	71
274	Eu-, Tb-, and Dy-Doped Oxyfluoride Silicate Glasses for LED Applications. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 854-861	3.8	69
273	Universality of the high-temperature viscosity limit of silicate liquids. <i>Physical Review B</i> , 2011 , 83,	3.3	67
272	Extreme Flexibility in a Zeolitic Imidazolate Framework: Porous to Dense Phase Transition in Desolvated ZIF-4. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6447-51	16.4	66
271	The iso-structural viscosity, configurational entropy and fragility of oxide liquids. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 737-744	3.9	65
270	Influence of the glass-calcium carbonate mixture's characteristics on the foaming process and the properties of the foam glass. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 1591-1598	6	62
269	Mixed alkaline earth effect in sodium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2013 , 369, 61-68	3.9	62
268	Fabricating high-energy quantum dots in ultra-thin LiFePO ₄ nanosheets using a multifunctional high-energy biomolecule-ATP. <i>Energy and Environmental Science</i> , 2014 , 7, 2285-2294	35.4	61
267	Structural response of a highly viscous aluminoborosilicate melt to isotropic and anisotropic compressions. <i>Journal of Chemical Physics</i> , 2009 , 131, 104504	3.9	60
266	The mechanism of foaming and thermal conductivity of glasses foamed with MnO ₂ . <i>Journal of Non-Crystalline Solids</i> , 2015 , 425, 74-82	3.9	59
265	Secondary relaxation behavior in a strong glass. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 9053-7	3.4	56
264	Evidence of Intermediate-Range Order Heterogeneity in Calcium Aluminosilicate Glasses. <i>Chemistry of Materials</i> , 2010 , 22, 4471-4483	9.6	55
263	Optimized assembling of MOF/SnO ₂ /Graphene leads to superior anode for lithium ion batteries. <i>Nano Energy</i> , 2020 , 74, 104868	17.1	54
262	Enhancing Li-ion battery anode performances via disorder/order engineering. <i>Nano Energy</i> , 2018 , 49, 596-602	17.1	53

261	Ultrahigh-field Zn NMR reveals short-range disorder in zeolitic imidazolate framework glasses. <i>Science</i> , 2020 , 367, 1473-1476	33.3	51
260	The effect of Ce ion substituted OMS-2 nanostructure in catalytic activity for benzene oxidation. <i>Nanoscale</i> , 2014 , 6, 15048-58	7.7	51
259	Elastic and micromechanical properties of isostatically compressed soda lime borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2013 , 364, 44-52	3.9	50
258	Liquid phase blending of metal-organic frameworks. <i>Nature Communications</i> , 2018 , 9, 2135	17.4	49
257	High-performance TiO(2) from Baker's yeast. <i>Journal of Colloid and Interface Science</i> , 2011 , 354, 109-15	9.3	49
256	One-step deposition of ultrafiltration SiC membranes on macroporous SiC supports. <i>Journal of Membrane Science</i> , 2014 , 472, 232-240	9.6	47
255	A model for phosphate glass topology considering the modifying ion sub-network. <i>Journal of Chemical Physics</i> , 2014 , 140, 154501	3.9	47
254	Enthalpy and Anisotropy Relaxation of Glass Fibers. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 745-752	3.8	47
253	The viscosity window of the silicate glass foam production. <i>Journal of Non-Crystalline Solids</i> , 2017 , 456, 49-54	3.9	46
252	Irreversibility of pressure induced boron speciation change in glass. <i>Scientific Reports</i> , 2014 , 4, 3770	4.9	46
251	Unified approach for determining the enthalpic fictive temperature of glasses with arbitrary thermal history. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3230-3236	3.9	46
250	Composition dependence of luminescence of Eu and Eu/Tb doped silicate glasses for LED applications. <i>Journal of Alloys and Compounds</i> , 2013 , 555, 232-236	5.7	45
249	Impact of Drawing Stress on the Tensile Strength of Oxide Glass Fibers. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3236-3243	3.8	45
248	Ordered hierarchical mesoporous anatase TiO ₂ from yeast biotemplates. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009 , 74, 274-8	6	44
247	Sodium diffusion in boroaluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3744-3750	3.9	43
246	Physical performances of blended cements containing calcium aluminosilicate glass powder and limestone. <i>Cement and Concrete Research</i> , 2011 , 41, 359-364	10.3	42
245	Revealing the atomistic origin of the disorder-enhanced Na-storage performance in NaFePO ₄ battery cathode. <i>Nano Energy</i> , 2019 , 57, 608-615	17.1	42
244	Hardness and incipient plasticity in silicate glasses: Origin of the mixed modifier effect. <i>Applied Physics Letters</i> , 2014 , 104, 051913	3.4	41

243	Melt-Quenched Hybrid Glasses from Metal-Organic Frameworks. <i>Advanced Materials</i> , 2017 , 29, 1601705	24	40
242	Thermodynamic anomaly of the sub-T(g) relaxation in hyperquenched metallic glasses. <i>Journal of Chemical Physics</i> , 2013 , 138, 174508	3.9	40
241	Effect of thermal history and chemical composition on hardness of silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 893-897	3.9	40
240	Relaxation and Glass Transition in an Isostatically Compressed Diopside Glass. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 1556-1561	3.8	40
239	Influence of the glass particle size on the foaming process and physical characteristics of foam glasses. <i>Journal of Non-Crystalline Solids</i> , 2016 , 447, 190-197	3.9	39
238	A Direct Link between the Fragile-to-Strong Transition and Relaxation in Supercooled Liquids. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1170-4	6.4	39
237	Near-infrared emission from Eu ³⁺ /b doped silicate glasses subjected to thermal reduction. <i>Applied Physics Letters</i> , 2011 , 98, 071911	3.4	39
236	The disordering-enhanced performances of the Al-MOF/graphene composite anodes for lithium ion batteries. <i>Nano Energy</i> , 2019 , 65, 104032	17.1	38
235	Multilevel structures of Li ₃ V ₂ (PO ₄) ₃ /phosphorus-doped carbon nanocomposites derived from hybrid V-MOFs for long-life and cheap lithium ion battery cathodes. <i>Journal of Power Sources</i> , 2017 , 366, 9-17	8.9	37
234	Impact of network topology on cationic diffusion and hardness of borate glass surfaces. <i>Journal of Chemical Physics</i> , 2010 , 133, 154509	3.9	37
233	Efficient Enhancement of Bismuth NIR Luminescence by Aluminum and Its Mechanism in Bismuth-Doped Germanate Laser Glass. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2071-2076	3.8	37
232	Deposition of thin ultrafiltration membranes on commercial SiC microfiltration tubes. <i>Ceramics International</i> , 2014 , 40, 3277-3285	5.1	36
231	Structural evolution during fragile-to-strong transition in CuZr(Al) glass-forming liquids. <i>Journal of Chemical Physics</i> , 2015 , 142, 064508	3.9	36
230	Ionic diffusion and the topological origin of fragility in silicate glasses. <i>Journal of Chemical Physics</i> , 2009 , 131, 244514	3.9	36
229	Biologically formed mesoporous amorphous silica. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2717-21	16.4	36
228	Structure-topology-property correlations of sodium phosphosilicate glasses. <i>Journal of Chemical Physics</i> , 2015 , 143, 064510	3.9	35
227	Density of topological constraints as a metric for predicting glass hardness. <i>Applied Physics Letters</i> , 2017 , 111, 011907	3.4	35
226	Reconciling calorimetric and kinetic fragilities of glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , 2017 , 456, 95-100	3.9	35

225	Atomic and vibrational origins of mechanical toughness in bioactive cement during setting. <i>Nature Communications</i> , 2015 , 6, 8631	17.4	34
224	Bio-synthesis participated mechanism of mesoporous LiFePO ₄ /C nanocomposite microspheres for lithium ion battery. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19948		34
223	Formation of a Nanocrystalline Layer on the Surface of Stone Wool Fibers. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 62-67	3.8	34
222	Three-dimensional direct lithography of stable perovskite nanocrystals in glass.. <i>Science</i> , 2022 , 375, 307-310	3.9	34
221	Clarifying the charging induced nucleation in glass anode of Li-ion batteries and its enhanced performances. <i>Nano Energy</i> , 2019 , 57, 592-599	17.1	33
220	Enthalpy relaxation of hyperquenched glasses and its possible link to α and β relaxations. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 350-354	3.9	33
219	Non-Newtonian flow behaviour of glass melts as a consequence of viscoelasticity and anisotropic flow. <i>Journal of Non-Crystalline Solids</i> , 1994 , 175, 118-128	3.9	33
218	Optical properties of a melt-quenched metal-organic framework glass. <i>Optics Letters</i> , 2019 , 44, 1623-1625		33
217	Graphene-like carbon sheet/Fe ₃ O ₄ nanocomposites derived from soda papermaking black liquor for high performance lithium ion batteries. <i>Electrochimica Acta</i> , 2017 , 232, 550-560	6.7	32
216	Effect of Na ₂ CO ₃ as foaming agent on dynamics and structure of foam glass melts. <i>Journal of Non-Crystalline Solids</i> , 2014 , 400, 1-5	3.9	32
215	Nanoindentation of glass wool fibers. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 3887-3895	3.9	32
214	Biocarbon-coated LiFePO ₄ nucleus nanoparticles enhancing electrochemical performances. <i>Chemical Communications</i> , 2012 , 48, 10093-5	5.8	31
213	Indication of liquid-liquid phase transition in CuZr-based melts. <i>Applied Physics Letters</i> , 2013 , 103, 171904	3.4	31
212	Fracture toughness of a metal-organic framework glass. <i>Nature Communications</i> , 2020 , 11, 2593	17.4	31
211	Structural and topological aspects of borophosphate glasses and their relation to physical properties. <i>Journal of Chemical Physics</i> , 2015 , 142, 184503	3.9	30
210	Bio-assisted synthesis of mesoporous Li ₃ V ₂ (PO ₄) ₃ for high performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2013 , 112, 295-303	6.7	30
209	A new description and interpretation of the flow behaviour of glass forming melts. <i>Journal of Non-Crystalline Solids</i> , 1994 , 180, 66-79	3.9	30
208	The chromosome-level quality genome provides insights into the evolution of the biosynthesis genes for aroma compounds of. <i>Horticulture Research</i> , 2018 , 5, 72	7.7	30

207	Hierarchically Nanoporous Bioactive Glasses for High Efficiency Immobilization of Enzymes. <i>Advanced Functional Materials</i> , 2014 , 24, 2206-2215	15.6	29
206	Microscopic Origins of Compositional Trends in Aluminosilicate Glass Properties. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 1436-1443	3.8	29
205	Compositional dependence of fragility and glass forming ability of calcium aluminosilicate melts. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 867-873	3.9	29
204	On the origin of the mixed alkali effect on indentation in silicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2014 , 406, 22-26	3.9	28
203	Influence of aluminum speciation on the stability of aluminosilicate glasses against crystallization. <i>Applied Physics Letters</i> , 2012 , 101, 041906	3.4	28
202	Experimental evidence for the existence of an ordered structure in a silicate liquid above its liquidus temperature. <i>Journal of Non-Crystalline Solids</i> , 2004 , 345-346, 523-527	3.9	28
201	Gas-releasing reactions in foam-glass formation using carbon and Mn_xO_y as the foaming agents. <i>Ceramics International</i> , 2017 , 43, 4638-4646	5.1	27
200	Abnormal sub-T _g enthalpy relaxation in the CuZrAl metallic glasses far from equilibrium. <i>Applied Physics Letters</i> , 2011 , 98, 081904	3.4	27
199	Decoupling between birefringence decay, enthalpy relaxation and viscous flow in calcium borosaluminosilicate glasses. <i>Chemical Geology</i> , 2008 , 256, 299-305	4.2	27
198	Mechanically induced excess enthalpy in inorganic glasses. <i>Applied Physics Letters</i> , 2005 , 86, 121917	3.4	27
197	Material functionalities from molecular rigidity: Maxwell's modern legacy. <i>MRS Bulletin</i> , 2017 , 42, 18-22	3.2	26
196	Suppressing the effect of cullet composition on the formation and properties of foamed glass. <i>Ceramics International</i> , 2018 , 44, 11143-11150	5.1	26
195	An extended topological model for binary phosphate glasses. <i>Journal of Chemical Physics</i> , 2014 , 141, 244502	3.9	26
194	Inward Cationic Diffusion and Formation of Silica-Rich Surface Nanolayer of Glass. <i>Chemistry of Materials</i> , 2009 , 21, 1242-1247	9.6	26
193	Electronic conductivity of vanadium-tellurite glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2013 , 378, 196-200	3.9	25
192	Glass transition in an isostatically compressed calcium metaphosphate glass. <i>Journal of Chemical Physics</i> , 2007 , 126, 144902	3.9	25
191	Topo-Chemical Tailoring of Tellurium Quantum Dot Precipitation from Supercooled Polyphosphates for Broadband Optical Amplification. <i>Advanced Optical Materials</i> , 2016 , 4, 1624-1634	8.1	25
190	Nano-glass ceramic cathodes for Li ⁺ /Na ⁺ mixed-ion batteries. <i>Journal of Power Sources</i> , 2017 , 342, 717-725	7.5	24

189	Breaking the Limit of Micro-Ductility in Oxide Glasses. <i>Advanced Science</i> , 2019 , 6, 1901281	13.6	24
188	Metal-Organic-Framework-Based Cathodes for Enhancing the Electrochemical Performances of Batteries: A Review. <i>ChemElectroChem</i> , 2019 , 6, 5358-5374	4.3	23
187	Origin of the frequency shift of Raman scattering in chalcogenide glasses. <i>Journal of Non-Crystalline Solids</i> , 2014 , 391, 117-119	3.9	23
186	Structural evolution during the sub-T _g relaxation of hyperquenched metallic glasses. <i>Applied Physics Letters</i> , 2010 , 96, 221908	3.4	23
185	Tellurium nanoparticles enhanced electrochemical performances of TeO ₂ -V ₂ O ₅ -Al ₂ O ₃ glass anode for Lithium-ion batteries. <i>Journal of Non-Crystalline Solids</i> , 2019 , 521, 119491	3.9	22
184	Hardness of oxynitride glasses: topological origin. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4109-15	3.4	22
183	Synthesis and properties of open- and closed-porous foamed glass with a low density. <i>Construction and Building Materials</i> , 2020 , 247, 118574	6.7	22
182	Tunable photoluminescence induced by thermal reduction in rare earth doped glasses. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6614		22
181	Crystallisation behaviour and high-temperature stability of stone wool fibres. <i>Journal of the European Ceramic Society</i> , 2010 , 30, 1287-1295	6	22
180	Influence of foaming agents on solid thermal conductivity of foam glasses prepared from CRT panel glass. <i>Journal of Non-Crystalline Solids</i> , 2017 , 465, 59-64	3.9	21
179	Evaluation of the contributions to the effective thermal conductivity of an open-porous-type foamed glass. <i>Construction and Building Materials</i> , 2019 , 214, 337-343	6.7	21
178	Metal-Organic Framework Glasses Possess Higher Thermal Conductivity than Their Crystalline Counterparts. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18893-18903	9.5	21
177	Mutual-stabilization in chemically bonded graphene oxide/TiO ₂ heterostructures synthesized by a sol-gel approach. <i>RSC Advances</i> , 2017 , 7, 41217-41227	3.7	21
176	Biologically formed hollow cuprous oxide microspheres. <i>Materials Science and Engineering C</i> , 2010 , 30, 758-762	8.3	21
175	The effects of Mg/Ca and Fe/Mg substitution on rheological and thermodynamic properties of aluminosilicate melts. <i>Journal of Non-Crystalline Solids</i> , 2004 , 345-346, 782-786	3.9	21
174	Extreme Flexibility in a Zeolitic Imidazolate Framework: Porous to Dense Phase Transition in Desolvated ZIF-4. <i>Angewandte Chemie</i> , 2015 , 127, 6547-6551	3.6	20
173	Effect of alkali phosphate content on foaming of CRT panel glass using Mn ₃ O ₄ and carbon as foaming agents. <i>Journal of Non-Crystalline Solids</i> , 2018 , 482, 217-222	3.9	20
172	Broad Mid-Infrared Luminescence in a Metal-Organic Framework Glass. <i>ACS Omega</i> , 2019 , 4, 12081-12087	3.9	20

171	Toward the effective design of steam-stable silica-based membranes. <i>Microporous and Mesoporous Materials</i> , 2013 , 179, 242-249	5.3	20
170	Influence of physical ageing on the excessive heat capacity of hyperquenched silicate glass fibers. <i>Journal of Non-Crystalline Solids</i> , 2004 , 348, 72-77	3.9	20
169	Impact of nitridation of metaphosphate glasses on liquid fragility. <i>Journal of Non-Crystalline Solids</i> , 2016 , 441, 22-28	3.9	20
168	Li ₃ V ₂ (PO ₄) ₃ /LiFePO ₄ composite hollow microspheres for wide voltage lithium ion batteries. <i>Electrochimica Acta</i> , 2016 , 219, 682-692	6.7	20
167	Sub-T(g) relaxation patterns in Cu-based metallic glasses far from equilibrium. <i>Journal of Chemical Physics</i> , 2014 , 141, 164507	3.9	19
166	Calorimetric Signature of Structural Heterogeneity in a Ternary Silicate Glass. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3035-3037	3.8	19
165	Composition dependence of the optical and structural properties of Eu-doped oxyfluoride glasses. <i>Journal of Alloys and Compounds</i> , 2015 , 632, 291-295	5.7	19
164	Critical V ₂ O ₅ /TeO ₂ Ratio Inducing Abrupt Property Changes in Vanadium Tellurite Glasses. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 14942-8	3.4	19
163	Glass-forming ability of soda lime borate liquids. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 658-665	3.9	19
162	Volume and structural relaxation in compressed sodium borate glass. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29879-29891	3.6	19
161	Thermodynamic features and enthalpy relaxation in a metal-organic framework glass. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 18291-18296	3.6	19
160	Synthesis of NaCl single crystals with defined morphologies as templates for fabricating hollow nano/micro-structures. <i>RSC Advances</i> , 2015 , 5, 5072-5076	3.7	18
159	Revealing hidden endotherm of Hummers' graphene oxide during low-temperature thermal reduction. <i>Carbon</i> , 2018 , 138, 337-347	10.4	18
158	Hydration of Blended Portland Cements Containing Calcium-Aluminosilicate Glass Powder and Limestone. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 403-409	3.8	18
157	Fragility and configurational heat capacity of calcium aluminosilicate glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , 2017 , 461, 24-34	3.9	17
156	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	11.5	17
155	Sub-T _g enthalpy relaxation in an extremely unstable oxide glass and its implication for structural heterogeneity. <i>Journal of Non-Crystalline Solids</i> , 2013 , 381, 23-28	3.9	17
154	Anomalous Enthalpy Relaxation in Vitreous Silica. <i>Frontiers in Materials</i> , 2015 , 2,	4	17

153	Modifying glass surfaces via internal diffusion. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 290-298	3.9	17
152	Heterogeneous enthalpy relaxation in glasses far from equilibrium. <i>Chemical Physics Letters</i> , 2010 , 494, 37-40	2.5	17
151	Biom mineralizing synthesis of mesoporous hydroxyapatite/calcium pyrophosphate polycrystal using ovalbumin as biosurfactant. <i>Materials Chemistry and Physics</i> , 2008 , 111, 265-270	4.4	17
150	Impact of pore structure on the thermal conductivity of glass foams. <i>Materials Letters</i> , 2019 , 250, 72-74	3.3	16
149	Integrating Transcriptomic and GC-MS Metabolomic Analysis to Characterize Color and Aroma Formation during Tepal Development in. <i>Plants</i> , 2019 , 8,	4.5	16
148	Foam glass obtained through high-pressure sintering. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3917-3923	3.8	16
147	Correlation between supercooled liquid relaxation and glass Poisson's ratio. <i>Journal of Chemical Physics</i> , 2015 , 143, 164504	3.9	16
146	On the frequency correction in temperature-modulated differential scanning calorimetry of the glass transition. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 1710-1715	3.9	16
145	A new threshold of uncovering the nature of glass transition: The slow β relaxation in glassy states. <i>Science Bulletin</i> , 2010 , 55, 457-472		16
144	Enthalpy relaxation in hyperquenched glasses of different fragility. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1862-1870	3.9	16
143	Glass transition in hyperquenched water? (reply). <i>Nature</i> , 2005 , 435, E1-E2	50.4	16
142	TiO ₂ -B nanoribbons anchored with NiO nanosheets as hybrid anode materials for rechargeable lithium ion batteries. <i>CrystEngComm</i> , 2015 , 17, 1710-1715	3.3	15
141	Evaluation of Foaming Behavior of Glass Melts by High-Temperature Microscopy. <i>International Journal of Applied Glass Science</i> , 2016 , 7, 524-531	1.8	15
140	Improvement of capacity and cycling performance of spinel LiMn ₂ O ₄ cathode materials with TiO ₂ -B nanobelts. <i>Electrochimica Acta</i> , 2013 , 111, 691-697	6.7	15
139	Quantification of the boron speciation in alkali borosilicate glasses by electron energy loss spectroscopy. <i>Scientific Reports</i> , 2015 , 5, 17526	4.9	15
138	Vibrational dynamics and thermodynamics, ideal glass transitions and folding transitions, in liquids and biopolymers. <i>AIP Conference Proceedings</i> , 2004 ,	0	15
137	Genome-wide investigation of WRKY transcription factors in sweet osmanthus and their potential regulation of aroma synthesis. <i>Tree Physiology</i> , 2020 , 40, 557-572	4.2	15
136	Li ₂ NaV ₂ (PO ₄) ₃ /Hard Carbon Nanocomposite Cathodes for High-Performance Li- and Na-Ion Batteries. <i>ChemElectroChem</i> , 2017 , 4, 671-678	4.3	14

135	Phase separation in an ionomer glass: Insight from calorimetry and phase transitions. <i>Journal of Non-Crystalline Solids</i> , 2015 , 415, 24-29	3.9	14
134	Enhancing Na-ion storage in Na ₃ V ₂ (PO ₄) ₃ /C cathodes for sodium ion batteries through Br and N co-doping. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 1289-1297	6.8	14
133	Modifier constraints in alkali ultraphosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2014 , 405, 12-15	3.9	14
132	Cation Diffusivity and the Mixed Network Former Effect in Borosilicate Glasses. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 7106-15	3.4	14
131	Fractography and tensile strength of glass wool fibres. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 841-845	1	14
130	A medium range order structural connection to the configurational heat capacity of borate-silicate mixed glasses. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 10887-95	3.6	14
129	Structural evolution in a melt-quenched zeolitic imidazolate framework glass during heat-treatment. <i>Chemical Communications</i> , 2019 , 55, 2521-2524	5.8	13
128	Mixed alkaline-earth effects on several mechanical and thermophysical properties of aluminate glasses and melts. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 1128-1136	3.8	13
127	Anomalous crystallization as a signature of the fragile-to-strong transition in metallic glass-forming liquids. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 10258-65	3.4	13
126	Surface-luminescence from thermally reduced bismuth-doped sodium aluminosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 3193-3199	3.9	13
125	Cloning and Expression Analysis of MEP Pathway Enzyme-encoding Genes in <i>Osmanthus fragrans</i> . <i>Genes</i> , 2016 , 7,	4.2	13
124	Mixed alkali silicophosphate oxynitride glasses: Structure-property relations. <i>Journal of Non-Crystalline Solids</i> , 2017 , 462, 51-64	3.9	12
123	Poor glass-forming ability of Fe-based alloys: Its origin in high-temperature melt dynamics. <i>Journal of Non-Crystalline Solids</i> , 2017 , 471, 120-127	3.9	12
122	Structural relaxation in annealed hyperquenched basaltic glasses: Insights from calorimetry. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 1356-1361	3.9	12
121	Impact of surface impurity on phase transitions in amorphous micro silica. <i>Journal of Non-Crystalline Solids</i> , 2016 , 450, 42-47	3.9	12
120	3D porous Li ₃ V ₂ (PO ₄) ₃ /hard carbon composites for improving the rate performance of lithium ion batteries. <i>RSC Advances</i> , 2017 , 7, 21848-21855	3.7	11
119	Sub-T _g enthalpy relaxation in a milling-derived chalcogenide glass. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 968-974	3.8	11
118	Impact of fiberizing method on physical properties of glass wool fibers. <i>Journal of Non-Crystalline Solids</i> , 2017 , 476, 122-127	3.9	11

117	High-speed synchrotron X-ray imaging of glass foaming and thermal conductivity simulation. <i>Acta Materialia</i> , 2020 , 189, 85-92	8.4	11
116	Aging in chalcogenide glasses: Origin and consequences. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 129-132	3.3	11
115	Redox reactions and inward cationic diffusion in glasses caused by CO and H ₂ gases. <i>Solid State Ionics</i> , 2009 , 180, 1121-1124	3.3	11
114	Correlation between alkaline earth diffusion and fragility of silicate glasses. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 11194-200	3.4	11
113	Energy Release in Isothermally Stretched Silicate Glass fibers. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 70-74	3.8	11
112	Metal-organic framework glass anode with an exceptional cycling-induced capacity enhancement for lithium-ion batteries.. <i>Advanced Materials</i> , 2021 , e2110048	24	11
111	Dissolution of Stone Wool Fibers with Phenol-urea-formaldehyde Binder in a Synthetic Lung Fluid. <i>Chemical Research in Toxicology</i> , 2019 , 32, 2398-2410	4	11
110	NMR evidence for the charge-discharge induced structural evolution in a Li-ion battery glass anode and its impact on the electrochemical performances. <i>Nano Energy</i> , 2021 , 80, 105589	17.1	11
109	Enhancing ionic conductivity in Ag ₃ PS ₄ via mechanical amorphization. <i>Journal of Non-Crystalline Solids</i> , 2019 , 521, 119476	3.9	10
108	Multi-nanolayered VO/Sapphire Thin Film via Spinodal Decomposition. <i>Scientific Reports</i> , 2018 , 8, 5342	4.9	10
107	Influence of neodymium-doping on structure and properties of yttrium aluminium garnet. <i>CrystEngComm</i> , 2013 , 15, 8029	3.3	10
106	Reduction-Induced Inward Diffusion and Crystal Growth on the Surfaces of Iron-Bearing Silicate Glasses. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1799-1806	3.8	10
105	Surface modification of polyvalent element-containing glasses. <i>Applied Surface Science</i> , 2009 , 256, 202-207	20.7	10
104	Thermodynamic basis for cluster kinetics: Prediction of the fragility of marginal metallic glass-forming liquids. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 21950-7	3.4	10
103	Topological understanding of the mixed alkaline earth effect in glass. <i>Journal of Non-Crystalline Solids</i> , 2020 , 527, 119696	3.9	10
102	Fiber spinnability of glass melts. <i>International Journal of Applied Glass Science</i> , 2017 , 8, 37-47	1.8	9
101	Role of Amorphous Phases in Enhancing Performances of Electrode Materials for Alkali Ion Batteries. <i>Frontiers in Materials</i> , 2020 , 6,	4	9
100	The Charge-Balancing Role of Calcium and Alkali Ions in Per-Alkaline Aluminosilicate Glasses. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 3184-3195	3.4	9

99	Phase transitions and glass transition in a hyperquenched silica-alumina glass. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 3434-3439	3.8	9
98	Probing iron redox state in multicomponent glasses by XPS. <i>Chemical Geology</i> , 2012 , 322-323, 145-150	4.2	9
97	Li ₂ TiSiO ₅ Glass Ceramic as Anode Materials for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9760-9768	6.1	9
96	Nano-phase separation and structural ordering in silica-rich mixed network former glasses. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 15707-15717	3.6	9
95	A new approach for determining the critical cooling rates of nucleation in glass-forming liquids. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 3875-3882	3.8	8
94	Layered hybrid phase Li ₂ NaV ₂ (PO ₄) ₃ /carbon dot nanocomposite cathodes for Li ⁺ /Na ⁺ mixed-ion batteries. <i>RSC Advances</i> , 2017 , 7, 2658-2666	3.7	8
93	Role of elastic deformation in determining the mixed alkaline earth effect of hardness in silicate glasses. <i>Journal of Applied Physics</i> , 2015 , 117, 034903	2.5	8
92	Simple and Rapid Synthesis of Fe(PO ₃) ₃ by Microwave Sintering. <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2073-2076	2.8	8
91	Inorganic Crystalline and Amorphous Fibers Science and Technology. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 1-1	3.8	8
90	Towards large-size bulk ZIF-62 glasses via optimizing the melting conditions. <i>Journal of Non-Crystalline Solids</i> , 2020 , 530, 119806	3.9	8
89	From Molten Calcium Aluminates through Phase Transitions to Cement Phases. <i>Advanced Science</i> , 2020 , 7, 1902209	13.6	8
88	Toward hard and highly crack resistant magnesium aluminosilicate glasses and transparent glass-ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3600-3609	3.8	8
87	Physical performances of alkali-activated portland cement-glass-limestone blends. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 4159-4172	3.8	7
86	Green and low-cost synthesis of LiNi _{0.8} Co _{0.15} Al _{0.05} O ₂ cathode material for Li-ion batteries. <i>Materials Letters</i> , 2019 , 246, 153-156	3.3	7
85	Polymorph formation for a zeolitic imidazolate framework composition - Zn(Im) ₂ . <i>Microporous and Mesoporous Materials</i> , 2018 , 265, 57-62	5.3	7
84	Phenol Abatement by Titanium Dioxide Photocatalysts: Effect of The Graphene Oxide Loading. <i>Nanomaterials</i> , 2019 , 9,	5.4	7
83	Sol-Gel Synthesis of a Biotemplated Inorganic Photocatalyst: A Simple Experiment for Introducing Undergraduate Students to Materials Chemistry. <i>Journal of Chemical Education</i> , 2012 , 89, 1466-1469	2.4	7
82	Revealing the connection between the slow relaxation and sub-T _g enthalpy relaxation in metallic glasses. <i>Journal of Applied Physics</i> , 2016 , 120, 225110	2.5	7

81	Bond switching is responsible for nanoductility in zeolitic imidazolate framework glasses. <i>Dalton Transactions</i> , 2021 , 50, 6126-6132	4.3	7
80	Impact of amorphous micro silica on the C-S-H phase formation in porous calcium silicates. <i>Journal of Non-Crystalline Solids</i> , 2018 , 481, 556-561	3.9	7
79	Low temperature biosynthesis of Li ₂ O-MgO-P ₂ O ₅ -TiO ₂ nanocrystalline glass with mesoporous structure exhibiting fast lithium ion conduction. <i>Materials Science and Engineering C</i> , 2013 , 33, 1592-600	8.3	6
78	Inward and Outward Diffusion of Modifying Ions and its Impact on the Properties of Glasses and Glass-Ceramics. <i>International Journal of Applied Glass Science</i> , 2011 , 2, 117-128	1.8	6
77	Inward Cationic Diffusion and Percolation Transition in Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2161-2163	3.8	6
76	Oriented calcium metaphosphate glass-ceramics. <i>Journal of Materials Research</i> , 1999 , 14, 3983-3987	2.5	6
75	Impact of 1-Methylimidazole on Crystal Formation, Phase Transitions, and Glass Formation in a Zeolitic Imidazolate Framework. <i>Crystal Growth and Design</i> , 2020 , 20, 6528-6534	3.5	6
74	Thermodynamic evidence for cluster ordering in Cu ₄₆ Zr ₄₂ Al ₇ Y ₅ ribbons during glass transition. <i>Science Bulletin</i> , 2016 , 61, 706-713	10.6	6
73	Pressure-induced structural transformations in phosphorus oxynitride glasses. <i>Journal of Non-Crystalline Solids</i> , 2016 , 452, 153-160	3.9	6
72	Revealing the role of the amorphous phase in Na _{0.74} CoO ₂ /C/N composite cathode. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152616	5.7	6
71	Impact of minor iron content on crystal structure and properties of porous calcium silicates during synthesis. <i>Materials Chemistry and Physics</i> , 2018 , 205, 180-185	4.4	6
70	Tuning Porosity of Reduced Graphene Oxide Membrane Materials by Alkali Activation. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
69	Structural stability of NaPON glass upon heating in air and nitrogen. <i>Journal of Non-Crystalline Solids</i> , 2018 , 482, 137-146	3.9	5
68	Sub-T _g enthalpy relaxation in milled and quenched As ₂ S ₃ glasses. <i>Journal of Non-Crystalline Solids</i> , 2018 , 500, 225-230	3.9	5
67	Exploration of Floral Volatile Organic Compounds in Six Typical taxa by GC-MS. <i>Plants</i> , 2019 , 8,	4.5	5
66	Surfactant-Assisted Fabrication of Alumina-Doped Amorphous Silica Nanofiltration Membranes with Enhanced Water Purification Performances. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
65	Sintering temperature and atmosphere modulated evolution of structure and luminescence of 2CaO·P ₂ O ₅ ·B ₂ O ₃ : Eu phosphors. <i>Journal of Luminescence</i> , 2014 , 145, 110-113	3.8	5
64	Influence of rare earth oxides on the non-isothermal crystallization of phosphosilicate melts during cooling. <i>Journal of Non-Crystalline Solids</i> , 2014 , 385, 75-80	3.9	5

63	Homogeneity of Inorganic Glasses: Quantification and Ranking. <i>International Journal of Applied Glass Science</i> , 2011 , 2, 137-143	1.8	5
62	FRAGILITY OF A CALCIUM METAPHOSPHATE MELT AND RELAXATION OF ITS GLASS FIBRES. <i>Phosphorus Research Bulletin</i> , 2002 , 13, 39-50	0.3	5
61	Genome-Wide Identification of the Auxin Response Factor (ARF) Gene Family and Their Expression Analysis during Flower Development of <i>Osmanthus fragrans</i> . <i>Forests</i> , 2020 , 11, 245	2.8	4
60	Structural response to sub-T _g annealing in a hyperquenched SiO ₂ -Al ₂ O ₃ glass. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 331-336	5.7	4
59	Clarifying the gel-to-glass transformation in Al ₂ O ₃ -SiO ₂ systems. <i>Journal of Non-Crystalline Solids</i> , 2018 , 492, 77-83	3.9	4
58	Structural impact of nitrogen incorporation on properties of alkali germanophosphate glasses. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 5004-5019	3.8	4
57	Effect of the initial stage of annealing on modeling of enthalpy relaxation in a hyperquenched glass. <i>Journal of Non-Crystalline Solids</i> , 2013 , 378, 121-125	3.9	4
56	Quantification of Chemical Striae in Inorganic Melts and Glasses through Picture Processing. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 2705-2712	3.8	4
55	Comparison of some non-Newtonian flow equations for inorganic glass melts and amorphous polymers. <i>Journal of Non-Crystalline Solids</i> , 1996 , 202, 253-265	3.9	4
54	Genome-Wide Analysis of NAC Transcription Factors and Characterization of the Cold Stress Response in Sweet <i>Osmanthus</i> . <i>Plant Molecular Biology Reporter</i> , 2020 , 38, 314-330	1.7	4
53	Determining the liquidus viscosity of glass-forming liquids through differential scanning calorimetry. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6070-6074	3.8	4
52	Er ³⁺ -Yb ³⁺ ions doped fluoro-aluminosilicate glass-ceramics as a temperature-sensing material. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 4471-4478	3.8	4
51	Liquid fragility determination of oxide glass-formers using temperature-modulated DSC. <i>International Journal of Applied Glass Science</i> , 2019 , 10, 321-329	1.8	4
50	Reversible formation-melting of nano-crystals in supercooled oxyfluoride germanate liquids. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 5373-5379	6	3
49	Self-limited growth of nanocrystals in phosphosilicate melts during cooling. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3876-3882	6	3
48	Impact of gas composition on thermal conductivity of glass foams prepared via high-pressure sintering. <i>Journal of Non-Crystalline Solids: X</i> , 2019 , 1, 100014	2.5	3
47	Tailoring Cluster Configurations Enables Tunable Broad-Band Luminescence in Glass. <i>Chemistry of Materials</i> , 2020 , 32, 8653-8661	9.6	3
46	Synthesis, phase transitions and vitrification of the zeolitic imidazolate framework: ZIF-4. <i>Journal of Non-Crystalline Solids</i> , 2019 , 525, 119665	3.9	3

45	FRAGILITY AND FLOW BEHAVIOUR OF SEVERAL PHOSPHATE AND SILICATE MELTS. <i>Phosphorus Research Bulletin</i> , 1999 , 10, 497-502	0.3	3
44	Stress generation modulus and brittleness of glass melts. <i>Journal of Non-Crystalline Solids</i> , 1995 , 182, 278-285	3.9	3
43	Biochemical and Comparative Transcriptome Analyses Reveal Key Genes Involved in Major Metabolic Regulation Related to Colored Leaf Formation in <i>Osmanthus fragrans</i> 'Yinbi Shuanghui' during Development. <i>Biomolecules</i> , 2020 , 10,	5.9	3
42	Optical bandgap and luminescence in Er ³⁺ doped oxyfluoro-germanate glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2021 , 555, 120533	3.9	3
41	The foaming mechanism of glass foams prepared from the mixture of Mn ₃ O ₄ , carbon and CRT panel glass. <i>Ceramics International</i> , 2021 , 47, 2839-2847	5.1	3
40	Borosilicate Glasses 2021 , 519-539		3
39	Response to "Comment on 'A model for phosphate glass topology considering the modifying ion sub-network'" [J. Chem. Phys. 142, 107103 (2015)]. <i>Journal of Chemical Physics</i> , 2015 , 142, 107104	3.9	2
38	SHEAR THINNING OF FLUOROAPATITE MELTS AND ORIENTATION OF CRYSTALS IN THE MELTS. <i>Phosphorus Research Bulletin</i> , 1999 , 10, 652-657	0.3	2
37	Mixed-alkali effect on hardness and indentation-loading behavior of a borate glass system. <i>Journal of Non-Crystalline Solids</i> , 2020 , 548, 120314	3.9	2
36	Multi-Functional Black Bioactive Glasses Prepared via Containerless Melting Process for Tumor Therapy and Tissue Regeneration. <i>Advanced Functional Materials</i> , 2021 , 31, 2101505	15.6	2
35	Synthesis and enhanced electrochemical performance of the honeycomb TiO ₂ /LiMn ₂ O ₄ cathode materials. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2063-2069	2.6	2
34	SSR marker development in <i>Clerodendrum trichotomum</i> using transcriptome sequencing. <i>PLoS ONE</i> , 2019 , 14, e0225451	3.7	2
33	Mechanical and dynamic properties of V ₂ O ₅ -TeO ₂ -P ₂ O ₅ glasses. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158074	5.7	2
32	Application of foaming agent oxidizing agent couples to foamed-glass formation. <i>Journal of Non-Crystalline Solids</i> , 2021 , 553, 120469	3.9	2
31	BaAl ₂ Si ₂ O ₈ polymorphs and a novel reversible transition of BaAlF ₅ in supercooled oxyfluoride aluminosilicate liquids. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 7282-7287	6	2
30	Structural Origins of the Enhancement in Ionic Conductivity of a Chalcogenide Compound by Adding AgI. <i>ChemElectroChem</i> , 2020 , 7, 1567-1572	4.3	1
29	Quantification of the Boron Speciation and Cu Oxidation States in Alkali Borosilicate Glasses by Electron Energy Loss Spectroscopy. <i>Microscopy and Microanalysis</i> , 2015 , 21, 791-792	0.5	1
28	Effect of stirring on striae in glass melts. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 349-353	3.9	1

27	Microscopic Features of Biologically Formed Amorphous Silica 2011 ,		1
26	Effects of hydrolytic retardants on the texture of lyotropic liquid crystal phases. <i>Inorganic Materials</i> , 2010 , 46, 1369-1374	0.9	1
25	Preparation and thermal properties of commercial vermiculite bonded with potassium silicate. <i>Thermochimica Acta</i> , 2021 , 699, 178926	2.9	1
24	Deformation mechanism of a metal-organic framework glass under indentation. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 16923-16931	3.6	1
23	Stone and Glass Wool 2021 , 1103-1112		1
22	Hyperquenched Glasses 2021 , 349-358		1
21	Spectroscopic properties of Er ³⁺ -doped oxyfluoro-germanate glass ceramics: A Judd-Ofelt theory analysis. <i>Journal of Non-Crystalline Solids</i> , 2021 , 574, 121167	3.9	1
20	Characterization of the Mesoporous Amorphous Silica in the Fresh Water Sponge Cauxi. <i>Ceramic Transactions</i> , 115-129	0.1	1
19	Calorimetric Studies of the Structural Heterogeneity of Silicate Liquids. <i>Ceramic Transactions</i> , 31-45	0.1	1
18	Revealing the nature of glass by the hyperquenching-annealing-calorimetry approach. <i>Journal of Non-Crystalline Solids: X</i> , 2022 , 100099	2.5	1
17	The Deformation of Short-Range Order Leading to Rearrangement of Topological Network Structure in Zeolitic Imidazolate Framework Glasses. <i>IScience</i> , 2022 , 104351	6.1	1
16	Water enables a performance jump of glass anode for lithium-ion batteries. <i>Journal of Non-Crystalline Solids</i> , 2022 , 576, 121225	3.9	0
15	Topological control of negatively charged local environments for tuning bismuth NIR luminescence in glass materials. <i>Journal of Alloys and Compounds</i> , 2021 , 898, 162884	5.7	0
14	The hardest amorphous material.. <i>National Science Review</i> , 2022 , 9, nwab203	10.8	0
13	Structure, crystallization, and performances of alkaline-earth boroaluminosilicate sealing glasses for SOFCs. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 2560-2570	3.8	0
12	Mixed metal node effect in zeolitic imidazolate frameworks.. <i>RSC Advances</i> , 2022 , 12, 10815-10824	3.7	0
11	Insights Into the MYB-Related Transcription Factors Involved in Regulating Floral Aroma Synthesis in Sweet Osmanthus.. <i>Frontiers in Plant Science</i> , 2022 , 13, 765213	6.2	0
10	Insights into the trihelix transcription factor responses to salt and other stresses in Osmanthus fragrans.. <i>BMC Genomics</i> , 2022 , 23, 334	4.5	0

9	Integrated transcriptome and endogenous hormone analysis provides new insights into callus proliferation in <i>Osmanthus fragrans</i> .. <i>Scientific Reports</i> , 2022 , 12, 7609	4.9	o
8	The Transformation from Translucent into Transparent Rare Earth Ions Doped Oxyfluoride Glass-Ceramics with Enhanced Luminescence. <i>Advanced Optical Materials</i> , 2102713	8.1	o
7	Bioactive Glass: Hierarchically Nanoporous Bioactive Glasses for High Efficiency Immobilization of Enzymes (Adv. Funct. Mater. 15/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 2205-2205	15.6	
6	Formation and characterization of mesostructured silica nanotubes. <i>Journal of Sol-Gel Science and Technology</i> , 2011 , 58, 334-339	2.3	
5	New Insights into the Roles of <i>Osmanthus fragrans</i> Heat-Shock Transcription Factors in Cold and Other Stress Responses. <i>Horticulturae</i> , 2022 , 8, 80	2.5	
4	'Shadow' glass transition in glass.. <i>National Science Review</i> , 2021 , 8, nwab160	10.8	
3	Tunable broadband near-infrared luminescence in glass realized by defect-engineering. <i>Optics Express</i> , 2021 , 29, 32149-32157	3.3	
2	Fiber Forming and Its Impact on Mechanical Properties 2021 , 455-481		
1	Impact of silicon doping on the structure and crystallization of a vanadium-tellurite glass. <i>Journal of Non-Crystalline Solids</i> , 2022 , 589, 121651	3.9	