

Yuanzheng Yue

List of Publications by Year in Descending Order

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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	New Insights into the Roles of Osmanthus Fragrans Heat-Shock Transcription Factors in Cold and Other Stress Responses. <i>Horticulturae</i> , 2022 , 8, 80	2.5	0
295	Three-dimensional direct lithography of stable perovskite nanocrystals in glass.. <i>Science</i> , 2022 , 375, 307-310	31.9	34
294	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
293	The hardest amorphous material.. <i>National Science Review</i> , 2022 , 9, nwab203	10.8	0
292	Mixed metal node effect in zeolitic imidazolate frameworks.. <i>RSC Advances</i> , 2022 , 12, 10815-10824	3.7	0
291	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
290	Revealing the nature of glass by the hyperquenching-annealing-calorimetry approach. <i>Journal of Non-Crystalline Solids: X</i> , 2022 , 100099	2.5	1
289	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	0
288	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
287	Integrated transcriptome and endogenous hormone analysis provides new insights into callus proliferation in Osmanthus fragrans.. <i>Scientific Reports</i> , 2022 , 12, 7609	4.9	0
286	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
285	Metal-organic framework glass anode with an exceptional cycling-induced capacity enhancement for lithium-ion batteries.. <i>Advanced Materials</i> , 2021 , e2110048	24	11
284	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
283	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
282	Preparation and thermal properties of commercial vermiculite bonded with potassium silicate. <i>Thermochimica Acta</i> , 2021 , 699, 178926	2.9	1
281	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
280	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

279	Mechanical and dynamic properties of V2O5-TeO2-P2O5 glasses. <i>Journal of Alloys and Compounds</i> , 2021 , 863, 158074	5.7	2
278	Optical bandgap and luminescence in Er3+ doped oxyfluoro-germanate glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2021 , 555, 120533	3.9	3
277	The foaming mechanism of glass foams prepared from the mixture of Mn3O4, carbon and CRT panel glass. <i>Ceramics International</i> , 2021 , 47, 2839-2847	5.1	3
276	Application of foaming agent oxidizing agent couples to foamed-glass formation. <i>Journal of Non-Crystalline Solids</i> , 2021 , 553, 120469	3.9	2
275	Bond switching is responsible for nanoductility in zeolitic imidazolate framework glasses. <i>Dalton Transactions</i> , 2021 , 50, 6126-6132	4.3	7
274	Deformation mechanism of a metal-organic framework glass under indentation. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 16923-16931	3.6	1
273	Stone and Glass Wool 2021 , 1103-1112		1
272	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
271	Hyperquenched Glasses 2021 , 349-358		1
270	'Shadow' glass transition in glass.. <i>National Science Review</i> , 2021 , 8, nwab160	10.8	
269	Tunable broadband near-infrared luminescence in glass realized by defect-engineering. <i>Optics Express</i> , 2021 , 29, 32149-32157	3.3	
268	BaAl2Si2O8 polymorphs and a novel reversible transition of BaAlF5 in supercooled oxyfluoride aluminosilicate liquids. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 7282-7287	6	2
267	Spectroscopic properties of Er3+-doped oxyfluoro-germanate glass ceramics: A Judd-Ofelt theory analysis. <i>Journal of Non-Crystalline Solids</i> , 2021 , 574, 121167	3.9	1
266	Fiber Forming and Its Impact on Mechanical Properties 2021 , 455-481		
265	Borosilicate Glasses 2021 , 519-539		3
264	Tailoring Cluster Configurations Enables Tunable Broad-Band Luminescence in Glass. <i>Chemistry of Materials</i> , 2020 , 32, 8653-8661	9.6	3
263	Tuning Porosity of Reduced Graphene Oxide Membrane Materials by Alkali Activation. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
262	Optimized assembling of MOF/SnO2/Graphene leads to superior anode for lithium ion batteries. <i>Nano Energy</i> , 2020 , 74, 104868	17.1	54

261	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
260	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
259	Ultrahigh-field Zn NMR reveals short-range disorder in zeolitic imidazolate framework glasses. <i>Science</i> , 2020 , 367, 1473-1476	33.3	51
258	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
257	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
256	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
255	High-speed synchrotron X-ray imaging of glass foaming and thermal conductivity simulation. <i>Acta Materialia</i> , 2020 , 189, 85-92	8.4	11
254	Role of Amorphous Phases in Enhancing Performances of Electrode Materials for Alkali Ion Batteries. <i>Frontiers in Materials</i> , 2020 , 6,	4	9
253	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
252	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
251	Fracture toughness of a metal-organic framework glass. <i>Nature Communications</i> , 2020 , 11, 2593	17.4	31
250	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
249	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
248	Topological understanding of the mixed alkaline earth effect in glass. <i>Journal of Non-Crystalline Solids</i> , 2020 , 527, 119696	3.9	10
247	From Molten Calcium Aluminates through Phase Transitions to Cement Phases. <i>Advanced Science</i> , 2020 , 7, 1902209	13.6	8
246	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
245	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
244	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

243	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
242	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
241	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
240	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
239	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
238	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
237	Enhancing ionic conductivity in Ag ₃ PS ₄ via mechanical amorphization. <i>Journal of Non-Crystalline Solids</i> , 2019 , 521, 119476	3.9	10
236	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
235	Understanding Glass through Differential Scanning Calorimetry. <i>Chemical Reviews</i> , 2019 , 119, 7848-7936	8.1	124
234	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
233	Self-limited growth of nanocrystals in phosphosilicate melts during cooling. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3876-3882	6	3
232	Impact of pore structure on the thermal conductivity of glass foams. <i>Materials Letters</i> , 2019 , 250, 72-74	3.3	16
231	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
230	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
229	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
228	Structural evolution in a melt-quenched zeolitic imidazolate framework glass during heat-treatment. <i>Chemical Communications</i> , 2019 , 55, 2521-2524	5.8	13
227	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
226	Breaking the Limit of Micro-Ductility in Oxide Glasses. <i>Advanced Science</i> , 2019 , 6, 1901281	13.6	24

225	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
224	Metal-Organic-Framework-Based Cathodes for Enhancing the Electrochemical Performances of Batteries: A Review. <i>ChemElectroChem</i> , 2019 , 6, 5358-5374	4.3	23
223	Broad Mid-Infrared Luminescence in a Metal-Organic Framework Glass. <i>ACS Omega</i> , 2019 , 4, 12081-12087	7.9	20
222	Phenol Abatement by Titanium Dioxide Photocatalysts: Effect of The Graphene Oxide Loading. <i>Nanomaterials</i> , 2019 , 9,	5.4	7
221	Exploration of Floral Volatile Organic Compounds in Six Typical taxa by GC-MS. <i>Plants</i> , 2019 , 8,	4.5	5
220	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
219	Surfactant-Assisted Fabrication of Alumina-Doped Amorphous Silica Nanofiltration Membranes with Enhanced Water Purification Performances. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
218	Optical properties of a melt-quenched metal-organic framework glass. <i>Optics Letters</i> , 2019 , 44, 1623-1625	3.5	33
217	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
216	SSR marker development in <i>Clerodendrum trichotomum</i> using transcriptome sequencing. <i>PLoS ONE</i> , 2019 , 14, e0225451	3.7	2
215	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
214	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
213	Transparent glass-ceramics functionalized by dispersed crystals. <i>Progress in Materials Science</i> , 2018 , 97, 38-96	42.2	164
212	A metal-organic framework with ultrahigh glass-forming ability. <i>Science Advances</i> , 2018 , 4, eaao6827	14.3	112
211	Foam glass obtained through high-pressure sintering. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 3917-3923	3.8	16
210	Multi-nanolayered VO/Sapphire Thin Film via Spinodal Decomposition. <i>Scientific Reports</i> , 2018 , 8, 5342	4.9	10
209	Polymorph formation for a zeolitic imidazolate framework composition - Zn(Im) ₂ . <i>Microporous and Mesoporous Materials</i> , 2018 , 265, 57-62	5.3	7
208	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

207	Structural response to sub-Tg 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
206	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
205	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
204	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
203	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
202	Enhancing Li-ion battery anode performances via disorder/order engineering. <i>Nano Energy</i> , 2018 , 49, 596-602	17.1	53
201	Revealing hidden endotherm of Hummers' graphene oxide during low-temperature thermal reduction. <i>Carbon</i> , 2018 , 138, 337-347	10.4	18
200	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
199	Sub-Tg 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
198	Liquid phase blending of metal-organic frameworks. <i>Nature Communications</i> , 2018 , 9, 2135	17.4	49
197	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
196	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
195	Metal-organic framework glasses with permanent accessible porosity. <i>Nature Communications</i> , 2018 , 9, 5042	17.4	91
194	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
193	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
192	Thermodynamic features and enthalpy relaxation in a metal-organic framework glass. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 18291-18296	3.6	19
191	Gas-releasing reactions in foam-glass formation using carbon and Mn _x O _y as the foaming agents. <i>Ceramics International</i> , 2017 , 43, 4638-4646	5.1	27
190	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

- 189 Fragility and configurational heat capacity of calcium aluminosilicate glass-forming liquids. *Journal of Non-Crystalline Solids*, **2017**, 461, 24-34 3.9 17
- 188 Melt-Quenched Hybrid Glasses from Metal-Organic Frameworks. *Advanced Materials*, **2017**, 29, 160170524 4.0
- 187 Fiber spinnability of glass melts. *International Journal of Applied Glass Science*, **2017**, 8, 37-47 1.8 9
- 186 Material functionalities from molecular rigidity: Maxwell's modern legacy. *MRS Bulletin*, **2017**, 42, 18-22 3.2 26
- 185 Graphene-like carbon sheet/Fe₃O₄ nanocomposites derived from soda papermaking black liquor for high performance lithium ion batteries. *Electrochimica Acta*, **2017**, 232, 550-560 6.7 32
- 184 Mixed alkali silicophosphate oxynitride glasses: Structure-property relations. *Journal of Non-Crystalline Solids*, **2017**, 462, 51-64 3.9 12
- 183 A new approach for determining the critical cooling rates of nucleation in glass-forming liquids. *Journal of the American Ceramic Society*, **2017**, 100, 3875-3882 3.8 8
- 182 3D porous Li₃V₂(PO₄)₃/hard carbon composites for improving the rate performance of lithium ion batteries. *RSC Advances*, **2017**, 7, 21848-21855 3.7 11
- 181 Physical performances of alkali-activated portland cement-glass-limestone blends. *Journal of the American Ceramic Society*, **2017**, 100, 4159-4172 3.8 7
- 180 Influence of foaming agents on solid thermal conductivity of foam glasses prepared from CRT panel glass. *Journal of Non-Crystalline Solids*, **2017**, 465, 59-64 3.9 21
- 179 Layered hybrid phase Li₂NaV₂(PO₄)₃/carbon dot nanocomposite cathodes for Li⁺/Na⁺ mixed-ion batteries. *RSC Advances*, **2017**, 7, 2658-2666 3.7 8
- 178 Sub-T_g enthalpy relaxation in a milling-derived chalcogenide glass. *Journal of the American Ceramic Society*, **2017**, 100, 968-974 3.8 11
- 177 Nano-glass ceramic cathodes for Li⁺/Na⁺ mixed-ion batteries. *Journal of Power Sources*, **2017**, 342, 7117-7225 2.5 24
- 176 Impact of fiberizing method on physical properties of glass wool fibers. *Journal of Non-Crystalline Solids*, **2017**, 476, 122-127 3.9 11
- 175 Mutual-stabilization in chemically bonded graphene oxide/TiO₂ heterostructures synthesized by a sol-gel approach. *RSC Advances*, **2017**, 7, 41217-41227 3.7 21
- 174 Multilevel structures of Li₃V₂(PO₄)₃/phosphorus-doped carbon nanocomposites derived from hybrid V-MOFs for long-life and cheap lithium ion battery cathodes. *Journal of Power Sources*, **2017**, 366, 9-17 8.9 37
- 173 Phase transitions and glass transition in a hyperquenched silica-alumina glass. *Journal of the American Ceramic Society*, **2017**, 100, 3434-3439 3.8 9
- 172 Poor glass-forming ability of Fe-based alloys: Its origin in high-temperature melt dynamics. *Journal of Non-Crystalline Solids*, **2017**, 471, 120-127 3.9 12

171	Density of topological constraints as a metric for predicting glass hardness. <i>Applied Physics Letters</i> , 2017 , 111, 011907	3.4	35
170	The viscosity window of the silicate glass foam production. <i>Journal of Non-Crystalline Solids</i> , 2017 , 456, 49-54	3.9	46
169	Reconciling calorimetric and kinetic fragilities of glass-forming liquids. <i>Journal of Non-Crystalline Solids</i> , 2017 , 456, 95-100	3.9	35
168	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
167	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
166	Melt-Quenched Glasses of Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2016 , 138, 3484-92	16.4	161
165	Femtosecond laser induced phenomena in transparent solid materials: Fundamentals and applications. <i>Progress in Materials Science</i> , 2016 , 76, 154-228	42.2	161
164	Cloning and Expression Analysis of MEP Pathway Enzyme-encoding Genes in <i>Osmanthus fragrans</i> . <i>Genes</i> , 2016 , 7,	4.2	13
163	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
162	Revealing the connection between the slow Γ relaxation and sub-Tg enthalpy relaxation in metallic glasses. <i>Journal of Applied Physics</i> , 2016 , 120, 225110	2.5	7
161	Impact of nitridation of metaphosphate glasses on liquid fragility. <i>Journal of Non-Crystalline Solids</i> , 2016 , 441, 22-28	3.9	20
160	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
159	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
158	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
157	Pressure-induced structural transformations in phosphorus oxynitride glasses. <i>Journal of Non-Crystalline Solids</i> , 2016 , 452, 153-160	3.9	6
156	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
155	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
154	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

153	Volume and structural relaxation in compressed sodium borate glass. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 29879-29891	3.6	19
152	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
151	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
150	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
149	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
148	Hardness of oxynitride glasses: topological origin. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4109-15	3.4	22
147	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
146	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
145	Structure-topology-property correlations of sodium phosphosilicate glasses. <i>Journal of Chemical Physics</i> , 2015 , 143, 064510	3.9	35
144	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
143	Hybrid glasses from strong and fragile metal-organic framework liquids. <i>Nature Communications</i> , 2015 , 6, 8079	17.4	164
142	Atomic and vibrational origins of mechanical toughness in bioactive cement during setting. <i>Nature Communications</i> , 2015 , 6, 8631	17.4	34
141	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
140	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
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	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
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