

# Understanding Glass through Differential Scanning Cal

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Pressureless Crystallization of Glass for Transparent Nanoceramics. <i>Advanced Science</i> , 2019, 6, 1901096.	5.6	29
2	Synthesis, phase transitions and vitrification of the zeolitic imidazolate framework: ZIF-4. <i>Journal of Non-Crystalline Solids</i> , 2019, 525, 119665.	1.5	11
3	Effects of cooling rate and oxygen partial pressure on heterogeneous crystal nucleation of supercooled lithium disilicate melt in PtRh <sub>20</sub> containers. <i>Journal of Non-Crystalline Solids</i> , 2019, 524, 119642.	1.5	7
4	Zinc containing bioactive glasses with ultra-high crystallization temperature, good biological performance and antibacterial effects. <i>Materials Science and Engineering C</i> , 2019, 104, 109910.	3.8	38
5	Revealing hidden supercooled liquid states in Al-based metallic glasses by ultrafast scanning calorimetry: Approaching theoretical ceiling of liquid fragility. <i>Science China Materials</i> , 2020, 63, 157-164.	3.5	6
6	Effect of crystallinity on capacity and cyclic stability of Na <sub>1.1</sub> V <sub>3</sub> O <sub>7.9</sub> nanoplates as lithium-ion cathode materials. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 217-223.	1.2	7
7	Topological understanding of the mixed alkaline earth effect in glass. <i>Journal of Non-Crystalline Solids</i> , 2020, 527, 119696.	1.5	21
8	Comment on "The fragility of alkali silicate glass melts: Part of a universal topological pattern" by D.L. Sidebottom. <i>Journal of Non-Crystalline Solids</i> , 2020, 529, 119799.	1.5	0
9	Model-driven design of bioactive glasses: from molecular dynamics through machine learning. <i>International Materials Reviews</i> , 2020, 65, 297-321.	9.4	31
10	Color-Based Optical Detection of Glass Transitions on Microsecond Timescales Enabled by Exciplex Dynamics. <i>Advanced Materials</i> , 2020, 32, 1906764.	11.1	2
11	Experimental evidence of co-existence of equilibrium and nonequilibrium in two-glass-transition miscible mixtures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25631-25637.	1.3	6
12	Eu <sup>2+</sup> /Eu <sup>3+</sup> activated phosphate glasses synthesized via melting with multi-wall carbon nanotubes. <i>Optical Materials</i> , 2020, 109, 110336.	1.7	5
13	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.	1.9	28
14	Determining the liquidus viscosity of glass-forming liquids through differential scanning calorimetry. <i>Journal of the American Ceramic Society</i> , 2020, 103, 6070-6074.	1.9	10
15	Arrhenius Crossover Phenomena and Ionic Conductivity in Ionic Glass-Forming Liquids. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 2000139.	0.7	6
16	Preliminary Thermal Investigations of Calcium Antimonate Opacified White Glass Tesserae. <i>Heritage</i> , 2020, 3, 549-560.	0.9	2
17	Silver nanoparticles: Synthesis, investigation techniques, and properties. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102246.	7.0	147
18	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab-Initio Approach. <i>Angewandte Chemie</i> , 2020, 132, 22369-22377.	1.6	3

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19	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab-initio Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22185-22193.	7.2	21
20	The Onset and Solidification Path of a Basaltic Melt by in situ Differential Scanning Calorimetry (DSC) and ex situ Investigations. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	7
21	Production of Transparent Soda-Lime Glass from Rice Husk Containing Iron and Manganese Impurities. <i>Ceramics</i> , 2020, 3, 494-506.	1.0	3
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24	Influence of traces of NiO on crystallization of soda-lime-silicate glass. <i>Journal of the European Ceramic Society</i> , 2020, 40, 6014-6022.	2.8	3
25	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
26	Nanoscale Organization of a Platinum(II) Acetylide Cholesteric Liquid Crystal Molecular Glass for Photonics Applications. <i>Advanced Functional Materials</i> , 2020, 30, 1910562.	7.8	7
27	High rate calorimetry derived viscosity of oxide melts prone to crystallization. <i>Journal of Non-Crystalline Solids</i> , 2020, 536, 119992.	1.5	26
28	Dilatometric fragility and prediction of the viscosity curve of glass-forming liquids. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4248-4255.	1.9	6
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35	Vertically aligned dopamine-reduced graphene oxide with high thermal conductivity for epoxy nanocomposites. <i>Journal of Materials Science</i> , 2020, 55, 8917-8929.	1.7	9
36	Temperature-induced structural change through the glass transition of silicate glass by neutron diffraction. <i>Physical Review B</i> , 2020, 101, .	1.1	10

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38	Rejuvenation of granulated blast furnace slag (GBS) glass by ball milling. <i>Journal of Non-Crystalline Solids</i> , 2021, 556, 120557.	1.5	5
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44	The Glassy State. , 2021, , 448-461.		4
45	Structure Characterizations and Molecular Dynamics Simulations of Melt, Glass, and Glass Fibers. , 2021, , 89-216.		1
46	Nonequilibrium Viscosity and the Glass Transition. , 2021, , 295-314.		1
47	Crystallization Kinetics and Structure Refinement of CaTiO <sub>3</sub> Glass-Ceramics Produced by Melt-Quenching Technique. <i>Materials Research</i> , 2021, 24, .	0.6	0
48	A Fast Room-Temperature Self-Healing Glassy Polyurethane. <i>Angewandte Chemie</i> , 2021, 133, 8026-8034.	1.6	6
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50	A Fast Room-Temperature Self-Healing Glassy Polyurethane. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7947-7955.	7.2	183
51	Inferring bubble volume fraction in a glass melt through in situ impedance spectroscopy measurements. <i>International Journal of Applied Glass Science</i> , 2021, 12, 358-366.	1.0	3
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56	Geometric analysis of the calorimetric glass transition and fragility using constant cooling rate cycles. <i>International Journal of Applied Glass Science</i> , 2021, 12, 348-357.	1.0	10
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65	Influence of additives on the crystallization and thermal conductivity of container glass cullet for foamed glass preparation. <i>Ceramics International</i> , 2021, 47, 32867-32873.	2.3	13
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74	Preparation and Characterization of High-Strength Glass-Ceramics via Ion-Exchange Method. <i>Materials</i> , 2021, 14, 5477.	1.3	4
75	Applications of characterization methods in polyurethane materials: analysis of microphase-separated structures. <i>Applied Spectroscopy Reviews</i> , 2022, 57, 153-176.	3.4	7
76	Controlling crystal precipitation in magnesium aluminosilicate glasses via thermoelectric coupling. <i>Journal of Non-Crystalline Solids</i> , 2021, 568, 120960.	1.5	0
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80	Influence of K and Mg substitutions on the synthesis and the properties of CaO-MgO-SiO <sub>2</sub> /Na <sub>2</sub> O, P <sub>2</sub> O <sub>5</sub> , CaF <sub>2</sub> bioactive glasses. <i>Journal of Non-Crystalline Solids</i> , 2021, 573, 121140.	1.5	12
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113	Revealing the nature of glass by the hyperquenching-annealing-calorimetry approach. <i>Journal of Non-Crystalline Solids: X</i> , 2022, 14, 100099.	0.5	4
114	High-entropy induced a glass-to-glass transition in a metallic glass. <i>Nature Communications</i> , 2022, 13, 2183.	5.8	34
115	Amorphization by mechanical deformation. <i>Materials Science and Engineering Reports</i> , 2022, 149, 100673.	14.8	30
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