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## Glass Forming Ability Criterion

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#	Paper	IF	Citations
391	Fluoride Glass Composition and Processing. <b>1991</b> , 1-35		5
390	Characterization of ZBGAN glasses. <b>1991</b> , 26, 2991-2996		2
389	Stabilizing effect of aluminium, yttrium and zirconium in divalent fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1992</b> , 140, 41-46	3.9	13
388	Influence of composition on glass properties in the quaternary system ZrF <sub>4</sub> BaF <sub>2</sub> ThF <sub>4</sub> AlF <sub>3</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>1992</b> , 140, 62-68	3.9	6
387	Synthesis and microstructural studies of Er <sup>3+</sup> -doped fluorozirconate devitrified glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1993</b> , 161, 70-76	3.9	6
386	A systematic survey of experimental and simulated glass formation for the ZrF <sub>4</sub> ?BaF <sub>2</sub> ?NaF system. <i>Journal of Non-Crystalline Solids</i> , <b>1993</b> , 161, 98-104	3.9	5
385	Systematic substitutions in ZBLA and ZBLAN glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1993</b> , 161, 217-223	3.9	24
384	New fluoroindate glass compositions. <b>1993</b> , 8, 885-889		38
383	A review of the role of DSC analysis in the design of fluorozirconate glasses for fibre optic applications. <b>1994</b> , 42, 759-770		16
382	Thermal properties and crystallization kinetics of new fluoride glasses. <b>1994</b> , 179-180, 303-308		3
381	The crystallization kinetics of InF <sub>3</sub> -based glass. <b>1995</b> , 30, 3082-3086		12
380	Characterization and X-ray Photoelectron Spectroscopy Investigation of PbO-Bi <sub>2</sub> O <sub>3</sub> -Ga <sub>2</sub> O <sub>3</sub> Glasses. <i>Journal of the American Ceramic Society</i> , <b>1995</b> , 78, 1285-1290	3.8	21
379	Relation between thermal history, structural relaxation and glass forming ability of an amorphous alloy in the chalcogenide ternary system As <sub>2</sub> Se <sub>2</sub> Te. <b>1995</b> , 249, 221-230		3
378	Effects of impurities in cadmium halide glasses for 1.3 $\mu$ m amplifier. <i>Journal of Non-Crystalline Solids</i> , <b>1995</b> , 184, 263-267	3.9	6
377	New cadmium fluorochloride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1995</b> , 184, 72-78	3.9	6
376	Some physical properties of new oxyfluoride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1995</b> , 184, 141-146	3.9	15
375	Influence of processing parameters on the scattering properties of fluorozirconate glasses prepared by the gas film levitation technique. <i>Journal of Non-Crystalline Solids</i> , <b>1996</b> , 203, 143-152	3.9	6

374	Evaluation of the stability of GdF <sub>3</sub> -containing fluorozirconate glasses by differential scanning calorimetry. <i>Journal of Non-Crystalline Solids</i> , <b>1996</b> , 208, 282-287	3.9	4
373	DTA study of rare earth doped ZBYA-type fluoride glasses. <b>1996</b> , 100, 1642-1645		5
372	Optical fiber-drawing temperature of fluorogallate glasses. <b>1996</b> , 11, 2633-2640		5
371	Influence of barium substitution on the physical characteristics of ZBLA glass. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 213-214, 353-357	3.9	2
370	NMR study on glass structure of chlorine-doped AlF <sub>3</sub> -based glasses with various glass-forming abilities. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 213-214, 345-352	3.9	6
369	New gallium and indium based fluoride glasses. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 213-214, 6-10	3.9	14
368	Fluoroindate glasses based on the InF <sub>3</sub> -BaF <sub>2</sub> -YF <sub>3</sub> system. <i>Journal of Non-Crystalline Solids</i> , <b>1997</b> , 213-214, 36-39	3.9	10
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361	Cerium-containing glasses for fast scintillators. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 275-277, 733-737	5.7	13
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357	Praseodymium-doped alkali bismuth gallate glasses. <b>2000</b> , 17, 23		29

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350	On The Glass Forming Ability Criteria Of Bulk Metallic Glasses. <b>2002</b> , 754, 1		
349	Erbium-doped potassium bismuth gallate glasses. <b>2002</b> , 19, 1839		19
348	Optimization of Dy-doped $\text{GeTeAsSBr}$ glass composition and its 1.31 $\mu\text{m}$ emission properties. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 298, 153-159	3.9	22
347	1.3- $\mu\text{m}$ -emission properties and local structure of $\text{Dy}^{3+}$ in chalcogenide glasses. <b>2002</b> , 5, 739-749		12
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345	A new glass-forming ability criterion for bulk metallic glasses. <b>2002</b> , 50, 3501-3512		1018
344	Fluoride glasses in the $\text{InF}_3-\text{CaF}_2-\text{ZrF}_4-\text{BaF}_2-\text{CaF}_2-\text{NaF}$ system. <i>Journal of Physics and Chemistry of Solids</i> , <b>2002</b> , 63, 2129-2133	3.9	8
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337	Calorimetric study of characteristic temperatures and crystallization behavior in GeAsSeTe glass system. <i>Journal of Physics and Chemistry of Solids</i> , <b>2004</b> , 65, 1737-1744	3.9	23
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286	Recent progress in criterions for glass forming ability. <b>2009</b> , 19, 78-84		29
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283	Thermal and optical analysis of Te-substituted Sn <sub>5</sub> Bi <sub>5</sub> Se chalcogenide semiconductors. <i>Applied Physics A: Materials Science and Processing</i> , <b>2010</b> , 99, 181-187	2.6	16
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266	Thermal stability and crystallization kinetics of GeSe <sub>100-x</sub> glasses. <b>2010</b> , 90, 1435-1449		6
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262	Compositional dependence of thermal stability, glass-forming ability and fragility index in some Se <sub>100-x</sub> Te <sub>x</sub> glasses. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 5090-5094	5.7	36
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257	Determination of thermal parameters of glasses from the system Bi <sub>x</sub> (As <sub>2</sub> S <sub>3</sub> ) <sub>100-x</sub> based on DSC curves. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 105, 947-951	4.1	9
256	The effect of Sb content on glass-forming ability, the thermal stability, and crystallization of GeSe chalcogenide glass. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 105, 191-198	4.1	22
255	Research on effect of ZrO <sub>2</sub> on thermal stability and structure of Ga/In based fluoride glasses. <b>2011</b> , 30, 126-130		8
254	Preparation and optical characterization of PbCl <sub>2</sub> Sb <sub>2</sub> O <sub>3</sub> TeO <sub>2</sub> glasses doped with rare earth elements. <b>2011</b> , 208, 1821-1826		19
253	Structural, thermal and crystallization kinetics of ZnO-BaO-Bi <sub>2</sub> O <sub>3</sub> -Mn <sub>2</sub> O <sub>3</sub> based glass sealants for solid oxide fuel cells. <b>2011</b> , 37, 2101-2107		16
252	Observation of phase separation in some Se <sub>100-x</sub> Te <sub>x</sub> chalcogenide glasses. <b>2011</b> , 406, 1053-1059		33
251	The effect of addition of gallium on the thermal stability and crystallization kinetic parameters of Ga <sub>x</sub> Se <sub>100-x</sub> glass system. <b>2011</b> , 406, 125-133		15
250	Comparative study of thermal stability and crystallization kinetics of 70B <sub>2</sub> O <sub>3</sub> 30Bi <sub>2</sub> O <sub>3</sub> and 70B <sub>2</sub> O <sub>3</sub> 30PbO glasses. <b>2011</b> , 406, 406-411		5
249	Compositional dependence of the optical properties of novel Ge <sub>100-x</sub> Te <sub>x</sub> Si far infrared transmitting chalcogenide glasses system. <i>Journal of Physics and Chemistry of Solids</i> , <b>2011</b> , 72, 5-9	3.9	15

248	Crystallization kinetics, glass transition kinetics, and thermal stability of Se <sub>70</sub> –Ga <sub>30</sub> In <sub>x</sub> (x=5, 10, 15, and 20) semiconducting glasses. <b>2011</b> , 406, 482-487		29
247	Non-Isothermal Crystallization in Amorphous Ga <sub>x</sub> Se <sub>100-x</sub> Nanorods. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 105603	1.4	
246	Influence of Y and Nb Addition on Crystallization Behavior and Mechanical Properties of Zr-Ni-Al-Cu-M Bulk Amorphous Alloys. <b>2011</b> , 326, 11-18		4
245	Investigations on the Thermal and Elastic Properties of ZnO-Incorporated Phosphate Glasses and Glass Ceramics. <b>2012</b> , 187, 831-849		2
244	Synthesis, Crystallization Behavior and Surface Modification of Ni-Cr-Si-Fe Amorphous Alloy. <b>2012</b> , 510-511, 137-142		1
243	Rare-earth ion doped TeO <sub>2</sub> and GeO <sub>2</sub> glasses as laser materials. <b>2012</b> , 57, 1426-1491		308
242	Forty years of the Hrubá glass-forming coefficient via DTA when comparing other criteria in relation to the glass stability and vitrification ability. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 110, 997-1004	4.1	23
241	Review on structural, thermal, optical and spectroscopic properties of tellurium oxide based glasses for fibre optic and waveguide applications. <b>2012</b> , 57, 357-382		83
240	Glass transition kinetics and radial distribution function to investigate the role of Cr <sub>2</sub> O <sub>3</sub> on the structure of Li <sub>2</sub> O–Al <sub>2</sub> O <sub>3</sub> –Bi <sub>2</sub> O <sub>3</sub> photonic glass. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 513, 172-179	5.7	6
239	Effect of lithium addition on thermal and optical properties of zinc tellurite glass. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 538, 230-236	5.7	41
238	MeV electron irradiation induced crystallization in metallic glasses: Atomic structure, crystallization mechanism and stability of an amorphous phase under the irradiation. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 502-518	3.9	29
237	Effect of arsenic atom substitute with antimony on crystallization processes and thermal stability of the (Sb, As)-S-I system. <i>Journal of Non-Crystalline Solids</i> , <b>2012</b> , 358, 1146-1152	3.9	11
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235	Forty Years of the Turnbull Reduced Glass Transition Temperature and Hrubá Glass-Forming Coefficient and Their Current Perception. <b>2012</b> , 75-97		
234	Kinetics of phase transition and thermal stability in Se <sub>80</sub> –Te <sub>20</sub> Zn <sub>x</sub> (x = 2, 4, 6, 8, and 10) glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 108, 1161-1169	4.1	10
233	Effect of Al <sub>2</sub> O <sub>3</sub> on thermal properties of 0.5CaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> –0.5CaMgSi <sub>2</sub> O <sub>6</sub> glass-ceramics. <b>2012</b> , 38, S557-S561		7
232	Microstructural study of Crofer 22 APU-glass interface for SOFC application. <b>2012</b> , 37, 3839-3847		16
231	2.7th fluorescence radiative dynamics and energy transfer between Er <sup>3+</sup> and Tm <sup>3+</sup> ions in fluoride glass under 800nm and 980nm excitation. <b>2012</b> , 113, 87-95		114

230	Glass transition, thermal stability and glass-forming tendency of Se <sub>90</sub> Te <sub>5</sub> Sn <sub>5</sub> In <sub>x</sub> multi-component chalcogenide glasses. <b>2012</b> , 528, 32-37		35
229	Thermal stability and crystallization kinetics of Pb and Bi borate-based glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2012</b> , 107, 617-624	4.1	11
228	Crystallization kinetics of Ag-doped Se <sub>70</sub> Te <sub>10</sub> Bi <sub>10</sub> chalcogenide glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 114, 1003-1013	4.1	6
227	Deduction of kinetics parameters in composition: Tellurite-phosphate-sodium oxide. <b>2013</b> , 19, 136-143		5
226	NMR spectroscopy of bismuth fluoride glasses with alkali cations. <b>2013</b> , 54, 28-41		1
225	Thermal characterization of Se <sub>78</sub> Te <sub>20</sub> Sn <sub>2</sub> Pb <sub>x</sub> (0 ≤ x ≤ 6) glasses for phase change optical recording technique. <b>2013</b> , 39, 490-498		8
224	Thermal features and physical properties of sulfur modified barium vanadate glasses. <i>Phase Transitions</i> , <b>2013</b> , 86, 477-489	1.3	10
223	Preparation and characterization of Bi <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> based glasses of good transparency with high Bi <sub>2</sub> O <sub>3</sub> content. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 363, 84-88	3.9	21
222	Grain-size effects on the structural, electrical properties and ferroelectric behaviour of barium titanate-based glass-ceramic nano-composite. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 784-792	2.1	10
221	Ion mobility and thermal properties of glasses in the BiF <sub>3</sub> -LiF and BiF <sub>3</sub> -LiF-rF <sub>4</sub> systems. <i>Journal of Non-Crystalline Solids</i> , <b>2013</b> , 377, 79-84	3.9	3
220	Phase transformation and crystallization kinetics of Te <sub>67.5</sub> Ga <sub>2.5</sub> As <sub>30</sub> amorphous alloy. <b>2013</b> , 410, 53-56		5
219	Physical ageing in Se <sub>70</sub> Te <sub>10</sub> Bi <sub>10</sub> glasses. <i>Journal of Physics and Chemistry of Solids</i> , <b>2013</b> , 74, 804-810	3.9	10
218	Thermal, Structural, and Enhanced Photoluminescence Properties of Eu <sup>3+</sup> -doped Transparent Willemite Glass-Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 2424-2431	3.8	52
217	Crystallization kinetics of Se <sub>70</sub> Zn <sub>10</sub> Bi <sub>10</sub> nano composites chalcogenide alloys. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 552, 166-172	5.7	11
216	Influence of Copper Addition on Glass Forming Ability, Thermal Stability, Structure and Magnetic Properties of Fe-Co-Based BMGs. <b>2013</b> , 203-204, 296-301		7
215	Influence of the Introduction of Copper into Amorphous As <sub>2</sub> Se <sub>3</sub> Matrix on Its Thermal and Structural Characteristics. <i>Acta Physica Polonica A</i> , <b>2013</b> , 123, 256-258	0.6	1
214	Theoretical Considerations in Developing Amorphous Solid Dispersions. <b>2014</b> , 35-90		18
213	Structure-property relationships of Fe <sub>2</sub> O <sub>3</sub> doped novel oxyfluorophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 404, 151-161	3.9	9

212	Study of phase separation in amorphous Se <sub>70</sub> Te <sub>30</sub> Bi material. <b>2014</b> , 73, 1-11		4
211	Structure and ion mobility in glasses in the BiF <sub>3</sub> BbF <sub>2</sub> rF <sub>4</sub> systems studied by Raman and NMR spectroscopy. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 401, 224-231	3.9	13
210	Iso-conversional approach for study of glass transition and crystallization kinetics of ternary glassy Se <sub>98-x</sub> Ag <sub>2</sub> In <sub>x</sub> (x=0, 2, 4, 6) system. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 587, 565-572	5.7	3
209	Thermal analysis for study of influence of Cd, In, and Sb on glass transition kinetics in glassy Se <sub>80</sub> Te <sub>20</sub> alloy using DSC technique. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 1273-1278	4.1	4
208	Kinetics of non-isothermal crystallization in Cu <sub>50</sub> Zr <sub>43</sub> Al <sub>7</sub> and (Cu <sub>50</sub> Zr <sub>43</sub> Al <sub>7</sub> ) <sub>95</sub> Be <sub>5</sub> metallic glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2014</b> , 115, 1089-1097	4.1	13
207	Study of Glass-Transition Kinetics of Pb-Modified Se <sub>(80)</sub> In <sub>(20)</sub> System by Using Non-isothermal Differential Scanning Calorimetry. <b>2014</b> , 35, 123-135		7
206	Thermal analysis and physical properties of BiSe <sub>2</sub> chalcogenide glasses. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 593, 283-289	5.7	28
205	Analysis on energy transfer process of Ho <sup>3+</sup> doped fluoroaluminate glass sensitized by Yb <sup>3+</sup> for mid-infrared 2.85 $\mu$ m emission. <b>2014</b> , 149, 41-50		34
204	Influence of TiO <sub>2</sub> on thermal stability and crystallization kinetics of tellurite glasses within TeO <sub>2</sub> Bi <sub>2</sub> O <sub>3</sub> Nb <sub>2</sub> O <sub>5</sub> pseudo-ternary system. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 404, 32-36	3.9	13
203	Fabrication and photoluminescence properties of Ag <sup>0</sup> and Ag <sup>0</sup> Er <sup>3+</sup> containing plasmonic glass nanocomposites in the K <sub>2</sub> O-Nb <sub>2</sub> O <sub>5</sub> system. <b>2014</b> , 37, 144-153		14
202	Study of nanostructure and ionic conductivity of Li <sub>1.3</sub> Nb <sub>0.3</sub> V <sub>1.7</sub> (PO <sub>4</sub> ) <sub>3</sub> glass ceramics used as cathode material for solid batteries. <i>Journal of Non-Crystalline Solids</i> , <b>2014</b> , 391, 6-11	3.9	16
201	Mixed alkali effect on crystallization kinetics of xNa <sub>2</sub> O:(50-x)Li <sub>2</sub> O:50P <sub>2</sub> O <sub>5</sub> . <b>2014</b> , 262, 824-828		1
200	Fabrication and enhanced photoluminescence properties of Sm <sup>3+</sup> -doped ZnO/Al <sub>2</sub> O <sub>3</sub> B <sub>2</sub> O <sub>3</sub> SiO <sub>2</sub> glass derived willemite glass/ceramic nanocomposites. <i>Optical Materials</i> , <b>2014</b> , 36, 1463-1470	3.3	50
199	Production and properties of high strength Ni free Zr-based BMGs. <b>2014</b> , 60, 012003		1
198	Synthesis and characterization of Mg-based amorphous alloys and their use for decolorization of Azo dyes. <b>2014</b> , 60, 012035		8
197	The influence of TeO <sub>2</sub> on thermal stability and 1.53 $\mu$ m spectroscopic properties in Er(3+) doped oxyfluorite glasses. <b>2015</b> , 150, 162-9		7
196	Effect of the addition of TiO <sub>2</sub> , ZrO <sub>2</sub> , V <sub>2</sub> O <sub>5</sub> and Nb <sub>2</sub> O <sub>5</sub> on the stability parameters of the Li <sub>2</sub> O-BaO-SiO <sub>2</sub> glass. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 411, 125-131	3.9	13
195	Effect of divalent cations and SiO <sub>2</sub> on the crystallization behavior of calcium aluminate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 413, 20-23	3.9	6

194	Structure-property relations in calcium aluminate glasses containing different divalent cations and SiO <sub>2</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 427, 160-165	3.9	18
193	Glass forming ability and enhanced 2.7 $\mu$ m emission of erbium ions in TeO <sub>2</sub> doped fluoroaluminate glass. <i>Optical Materials</i> , <b>2015</b> , 48, 133-138	3.3	5
192	Effect of TeO <sub>2</sub> addition on thermal stabilities and 2.7 $\mu$ m emission properties of fluoroaluminate tellurite glass. <b>2015</b> , 165, 93-101		7
191	The white light emission properties of Tm <sup>3+</sup> /Tb <sup>3+</sup> /Sm <sup>3+</sup> triply doped SrO <sub>2</sub> -nO <sub>2</sub> -P <sub>2</sub> O <sub>5</sub> glass. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 427, 10-15	3.9	52
190	Oxyfluorotellurite glasses doped by dysprosium ions. Thermal and optical properties. <i>Optical Materials</i> , <b>2015</b> , 42, 538-543	3.3	15
189	Glass transition and crystallization study of Te additive SeBi chalcogenide glass. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 408, 123-129	3.9	10
188	Effects of Pb on Thermal Stability and Crystallization Kinetics of GeS <sub>2</sub> -B <sub>2</sub> S <sub>3</sub> -PbS Glasses. <i>International Journal of Applied Glass Science</i> , <b>2016</b> , 7, 337-344	1.8	2
187	Glass transition and composite formation in InF <sub>3</sub> -containing oxyfluoroniobate system. <b>2016</b> ,		
186	Observation of switching behavior in some multi-component glasses of Se-Te-Sn-Pb system. <b>2016</b> , 178, 178-180		11
185	Critical evaluation of glass forming ability criteria. <b>2016</b> , 32, 380-400		35
184	Chemical durability, thermal stability and spectroscopic studies of the influence of Ni <sup>2+</sup> ions in oxyfluorophosphate glasses. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 8833-8847	2.1	9
183	Structure and crystallization kinetics of lithium tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2016</b> , 453, 150-157	3.9	28
182	Synthesis, theoretical analysis, and characterization of highly Er <sup>3+</sup> doped fluoroaluminate tellurite glass with 2.7 $\mu$ m emission. <b>2016</b> , 6, 3274		17
181	The general effect of atomic size misfit on glass formation in conventional and high-entropy alloys. <i>Intermetallics</i> , <b>2016</b> , 78, 30-41	3.5	16
180	Crystallization kinetics and thermal stability in Se <sub>85-x</sub> Te <sub>15</sub> Sb <sub>x</sub> chalcogenide glasses. <i>Phase Transitions</i> , <b>2016</b> , 89, 1029-1042	1.3	9
179	Effect of induced crystallization in rare-earth doped lithium borate glass. <b>2016</b> , 90, 274-278		17
178	Thermal characterization of novel magnesium oxyhalide bismo-borate glass doped with VO <sub>2</sub> <sup>+</sup> ions. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2016</b> , 123, 457-465	4.1	21
177	Crystallization kinetics of new Ge <sub>20</sub> Se <sub>60</sub> Sb <sub>20-x</sub> Ag <sub>x</sub> (0 $\leq$ x $\leq$ 20 at. %) glasses. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 670, 306-311	5.7	13

176	Mössbauer and electrical conduction investigations of LiFe(BaTi)(PO <sub>4</sub> ) NASICON nano composite. <b>2016</b> , 237, 1		
175	Role of Bi incorporation on glass transition kinetics in glassy Se <sub>78</sub> Te <sub>20</sub> Sn <sub>2</sub> alloy. <i>Phase Transitions</i> , <b>2016</b> , 89, 1103-1118	1.3	2
174	Theoretical Considerations of the Prigogine-Defay Ratio with Regard to the Glass-Forming Ability of Drugs from Undercooled Melts. <b>2016</b> , 13, 241-50		24
173	Investigation and evaluation of the glass stability criteria for Se <sub>60</sub> Ge <sub>15</sub> X <sub>25</sub> (X = Sn, As) compositions. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 128, 1793-1800	4.1	3
172	Glass transition kinetics and thermal stability of Se <sub>82-18x</sub> Te <sub>18</sub> Sb <sub>x</sub> (x = 0, 4, 8 and 12 at %) glassy alloys. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 6208-6216	2.1	7
171	Luminescence properties and energy transfer from Gd <sup>3+</sup> to Tb <sup>3+</sup> ions in gadolinium calcium silicoborate glasses for green laser application. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 704, 557-564	5.7	33
170	Thermal and optical properties of oxyfluorotellurite glasses doped with europium ions. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 704, 180-186	5.7	15
169	Optical temperature sensing using green emissions of Er <sup>3+</sup> doped fluoro-tellurite glass. <b>2017</b> , 261, 235-242		47
168	Removal of hydroxyl groups from Er <sup>3+</sup> /Yb <sup>3+</sup> codoped fluorotellurite glasses. <i>Materials Research Bulletin</i> , <b>2017</b> , 93, 325-332	5.1	11
167	Effects of CaO/Al <sub>2</sub> O <sub>3</sub> ratio on structure and spectroscopic properties of Nd <sup>3+</sup> -doped CaO-Al <sub>2</sub> O <sub>3</sub> -BaO aluminate glass. <i>Journal of Non-Crystalline Solids</i> , <b>2017</b> , 468, 34-40	3.9	8
166	Eu <sup>3+</sup> doped tellurite glass ceramics containing SrF <sub>2</sub> nanocrystals: Preparation, structure and luminescence properties. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 696, 619-626	5.7	28
165	Physical and thermal characterization and glass stability criteria of amorphous silver-vanadate-tellurate system at different heating rates: Inducing critical Ag <sub>2</sub> O/V <sub>2</sub> O <sub>5</sub> ratio. <i>Journal of Non-Crystalline Solids</i> , <b>2017</b> , 475, 136-143	3.9	11
164	Effect of MoO <sub>3</sub> Content on Structural, Thermal, Mechanical and Optical Properties of (B <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-Fe <sub>2</sub> O <sub>3</sub> ) Glass System. <i>Silicon</i> , <b>2017</b> , 9, 785-793	2.4	32
163	Crystallization kinetics of tellurium-rich Se <sub>70</sub> Te <sub>30</sub> glassy alloys. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2017</b> , 130, 661-669	4.1	4
162	2.8 μm emission and OH quenching analysis in Ho doped fluorotellurite-germanate glasses sensitized by Yb and Er. <b>2017</b> , 7, 16794		6
161	Non-isothermal crystallization kinetics of Ga <sub>20</sub> Sn <sub>80</sub> chalcogenide glasses by differential scanning calorimetry. <b>2017</b> , 52, 2924-2933		5
160	Physical, structural, thermal, and optical spectroscopy studies of TeO <sub>2</sub> B <sub>2</sub> O <sub>3</sub> MoO <sub>3</sub> ZnO/R <sub>2</sub> O (R' = Li, Na, and K)/MO (M' = Mg, Ca, and Pb) glasses. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 690, 799-816	5.7	128
159	Effect of erbium(III) oxide addition on thermal properties and crystallization behavior of some zinc-borate glasses. <b>2017</b> ,		1

158	Nd <sup>3+</sup> -doped heavy metal oxide based multicomponent borate glasses for 1.06 $\mu$ m solid-state NIR laser and O-band optical amplification applications. <i>Optical Materials</i> , <b>2018</b> , 78, 142-159	3-3	34
157	Studies on Se <sub>75</sub> Te <sub>25</sub> -In <sub>x</sub> chalcogenide glasses; a material for phase change memory. <b>2018</b> , 5, 015206		2
156	Kinetics characterization of erbium-doped tellurite glass. <b>2018</b> , 44, 6829-6835		14
155	Effect of Ag addition on crystallization kinetics and thermal stability of As <sub>5</sub> Se chalcogenide glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 132, 91-101	4-1	16
154	Crystallization kinetics and phase transformation studies on glassy Se <sub>85</sub> In <sub>15</sub> -xSb <sub>x</sub> system. <b>2018</b> , 211, 97-106		6
153	Correlation between structural and thermodynamic properties of some selenium based phase-change materials. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 115, 113-118	3-9	3
152	Properties of Aluminosilicate Glasses Prepared by Red Mud with Various [Al <sub>2</sub> O <sub>3</sub> ]/[CaO] Mass Ratios. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2018</b> , 33, 363-367	1	2
151	Investigating the influence of transition metal oxides on temperature dependent optical properties of PbCl <sub>2</sub> -TeO <sub>2</sub> glasses for their evaluation as transparent large band gap semiconductors. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 748, 687-693	5-7	7
150	Detailed study about the thermal behavior and kinetics characterization of an oxyfluoride tellurite glass. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 486, 19-26	3-9	12
149	Oxyfluorotellurite glasses doped with neodymium and ytterbium - thermal and spectroscopic properties as well as energy transfer phenomena. <b>2018</b> , 199, 310-318		19
148	Enhanced visible emissions of Pr <sup>3+</sup> -doped oxyfluoride transparent glass-ceramics containing SrF <sub>2</sub> nanocrystals. <b>2018</b> , 44, 1737-1743		28
147	Crystallization behavior of WO <sub>3</sub> -MoO <sub>3</sub> -TeO <sub>2</sub> glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 501, 93-100	3-9	8
146	Mechanical and Thermal Properties of Lead Borate Glasses Containing CaO and NaF. <i>Silicon</i> , <b>2018</b> , 10, 1973-1978	2-4	11
145	Self-cleaning and spectral attributes of erbium doped sodium-zinc-tellurite glass: Role of titania nanoparticles. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 481, 225-238	3-9	9
144	Joining and testing of alumina fibre reinforced YAG-ZrO <sub>2</sub> matrix composites. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 1802-1811	6	10
143	Thermal stability and crystallization kinetics of Bi doped Si <sub>15</sub> Te <sub>85-x</sub> Bi <sub>x</sub> (0 $\leq$ x $\leq$ 12) chalcogenide glassy alloys. <b>2018</b> , 5, 16237-16245		3
142	Influences of ZnO on the chemical durability and thermal stability of calcium iron phosphate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 498, 228-235	3-9	5
141	Optothermal Properties of Vanadate-Tellurite Oxide Glasses and Some Suggested Applications. <b>2018</b> , 67-104		2

140	Tb <sup>3+</sup> , Eu <sup>3+</sup> , and Dy <sup>3+</sup> doped lithium borate and lithium aluminoborate glass: Glass properties and photoluminescence quantum efficiency. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 499, 380-386	3.9	14
139	Thermal Kinetics and Theoretical Third Order Nonlinear Optical Susceptibility of some As <sub>2</sub> O <sub>3</sub> -V <sub>2</sub> O <sub>5</sub> -FeO Glasses. <b>2018</b> , 215, 1800299		6
138	Enhanced thermal stability of high-bismuth borate glasses by addition of iron. <i>Journal of Non-Crystalline Solids</i> , <b>2018</b> , 500, 149-157	3.9	13
137	Thermo-structural analysis of TeO <sub>2</sub> -Li <sub>2</sub> O-MoO <sub>3</sub> glasses. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2018</b> , 134, 1439-1445	4.1	5
136	Novel explanation for thermal analysis of glass transition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 247, 114378	3.1	5
135	Glass-forming ability control of Er <sup>3+</sup> -Doped lithium-modified fluorozirconate glass. <b>2019</b> , 45, 24115-24120		2
134	Structure, properties, and fabrication of calcium aluminate-based glasses. <i>International Journal of Applied Glass Science</i> , <b>2019</b> , 10, 488-501	1.8	4
133	Tellurium nanoparticles enhanced electrochemical performances of TeO <sub>2</sub> -V <sub>2</sub> O <sub>5</sub> -Al <sub>2</sub> O <sub>3</sub> glass anode for Lithium-ion batteries. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 521, 119491	3.9	22
132	Synthesis, structure and crystallization of glasses in the CdNbOF <sub>5</sub> -BaF <sub>2</sub> -InF <sub>3</sub> system. <b>2019</b> , 45, 17737-17741		1
131	Crystallization kinetics of Si <sub>20</sub> Te <sub>80-x</sub> Bix (0 ≤ x ≤ 10) chalcogenide glasses. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 246, 34-41	3.1	8
130	Development of aluminosilicate glass fiber doped with high Pr <sup>3+</sup> concentration for all-optical fiber isolator application. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 12790-12795	2.1	3
129	Kinetics characterization and visible photoluminescence spectroscopy of an erbium-doped tellurite glass. <b>2019</b> , 14, 102370		5
128	Effect of ZnO and MoO <sub>3</sub> Addition on Thermal and Mechanical Properties of Tellurite Glasses. <b>2019</b> , 216, 1801013		1
127	Thermal stability and crystallization kinetics of Ge <sub>13</sub> In <sub>8</sub> Se <sub>79</sub> chalcogenide glass. <i>Phase Transitions</i> , <b>2019</b> , 92, 667-682	1.3	15
126	Understanding Glass through Differential Scanning Calorimetry. <b>2019</b> , 119, 7848-7939		124
125	Thermal and Structural Properties of Zinc Lithium Phosphate Glasses with Holmium Ions (Ho <sup>3+</sup> ). <b>2019</b> , 1172, 012095		
124	Influence of Er <sup>3+</sup> ions addition on thermal and optical properties of phosphate-germanate system. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 1895-1899	4.1	2
123	Characterization of novel SeTeSn Chalcogenide Glassy Alloy (STS ChGA) as shielding material: Case study of its resistance against γ-ray irradiation for nuclear waste immobilization applications. <b>2019</b> , 7, 103032		1



122	UV-Vis-NIR spectroscopy, structural and thermal properties of novel oxyhalide tellurite glasses with composition TeO <sub>2</sub> -B <sub>2</sub> O <sub>3</sub> -SrCl <sub>2</sub> -LiF-Bi <sub>2</sub> O <sub>3</sub> for optical application. <b>2019</b> , 13, 102222		14
121	Sm <sup>3+</sup> -doped oxyfluorotellurite glasses - spectroscopic, luminescence and temperature sensor properties. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 788, 658-665	5.7	30
120	Influence of Er <sup>3+</sup> ions on the physical, structural, optical, and thermal properties of ZnO-Li <sub>2</sub> O-B <sub>2</sub> O <sub>5</sub> glasses. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	2
119	Thermal Stability and Hardness Studies of Ge Doped Se-Te Glassy Alloys. <b>2019</b> , 45, 459-466		
118	Investigation of citric acid-assisted sol-gel synthesis coupled to the self-propagating combustion method for preparing bioactive glass with high structural homogeneity. <b>2019</b> , 97, 669-678		13
117	Effect of Te proportion on the properties of Ge <sub>25</sub> Sb <sub>10</sub> Se <sub>65</sub> -Te chalcogenide glasses. <b>2019</b> , 96, 361-365		7
116	A novel Nd <sup>3+</sup> -doped MgO-Al <sub>2</sub> O <sub>3</sub> -SiO <sub>2</sub> -based transparent glass-ceramics: Toward excellent fluorescence properties. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 4213-4225	3.8	13
115	Spectroscopic and thermal analysis of lead-free multipurpose radiation shielding glasses. <b>2019</b> , 45, 5332-5338	9	
114	Effects of Y <sub>2</sub> O <sub>3</sub> on structure and dielectric properties of aluminoborosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2019</b> , 503-504, 110-114	3.9	11
113	Physical and Structural Properties of Lithium Borate Glasses Containing MoO <sub>3</sub> . <i>Silicon</i> , <b>2019</b> , 11, 2421-2428	4.1	
112	Structural Analyses of Halide Alkali Lead Borate Glasses. <i>Silicon</i> , <b>2019</b> , 11, 2413-2419	2.4	1
111	A novel Eu <sup>3+</sup> -doped phosphate glass for reddish orange emission: Preparation, structure and fluorescence properties. <b>2020</b> , 221, 117041		24
110	Concentration dependence of the elastic moduli, thermal properties, and non-isothermal kinetic parameters of Yb <sup>3+</sup> doped multicomponent tellurite glass system. <b>2020</b> , 16, 102876		31
109	Effect of network formers and modifiers on the crystallization resistance of oxide glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 550, 120359	3.9	3
108	Predicting Cation Interactions in Alkali Aluminoborate Glasses using Statistical Mechanics. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 544, 120099	3.9	3
107	Effect of Fe <sub>2</sub> O <sub>3</sub> doping on structure, physical-mechanical properties and luminescence performance of magnesium-aluminum-silicon based glass-ceramics. <b>2020</b> , 46, 28851-28859		2
106	Luminescence of Neodymium Ion-Activated Magnesium Zinc Sulfophosphate Glass: Role of Titanium Nanoparticles Sensitization. <i>Optical Materials</i> , <b>2020</b> , 109, 110390	3.3	2
105	Nd <sup>3+</sup> doped magnesium zinc sulfophosphate glass: New candidate for up-conversion solid state laser host. <i>Optical Materials</i> , <b>2020</b> , 109, 110299	3.3	4

104	Effect of samarium ions concentration on physical, optical and photoluminescence properties of Oxy-Fluoro Boro Tellurite glasses. <i>Optical Materials</i> , <b>2020</b> , 109, 110368	3.3	2
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101	Phase-separation engineering in fluorozirconate glass for designing and fabricating of transparent perfluorinate glass ceramic. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 3244-3248	6	5
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98	Ionic glasses: Structure, properties and classification. <b>2020</b> , 8, 100054		10
97	Er <sup>3+</sup> ,Yb <sup>3+</sup> -doped oxyfluorotellurite glasses Impact of temperature on spectroscopic properties and optical sensor qualities. <i>Journal of Non-Crystalline Solids</i> , <b>2020</b> , 535, 119965	3.9	15
96	Effect of F/O ratio on up-conversion and down-conversion luminescence properties of Er <sup>3+</sup> /Yb <sup>3+</sup> + co-doped SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -LiF <sub>3</sub> -Gd <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O glass. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 827, 154274	5.7	8
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93	Glasses in the MnNbOF <sub>5</sub> BaF <sub>2</sub> BeF <sub>3</sub> system: Synthesis, structure and crystallization. <b>2020</b> , 46, 16210-16216		1
92	The effect of cadmium and zinc additives on the transition temperatures and crystallization kinetics of glassy Se <sub>98</sub> Te <sub>2</sub> alloy. <b>2021</b> , 95, 595-606		3
91	Influence of vanadium oxide on non-isothermal crystallization kinetics of zinc lithium borate glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 553, 120471	3.9	4
90	Anomalously strong viscosity behavior in mixed oxy-sulfide Na <sub>4</sub> P <sub>2</sub> S <sub>7-x</sub> O <sub>x</sub> invert glasses. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 553, 120493	3.9	1
89	Neodymium-doped germanotellurite glasses for laser materials and temperature sensing. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 860, 157923	5.7	6
88	A study of NIR emission and associated spectroscopic properties of Nd <sup>3+</sup> :P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O+Al <sub>2</sub> O <sub>3</sub> +ZnF <sub>2</sub> glasses for 1.06 $\mu$ m laser applications. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 553, 120521	3.9	3
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79	The Impact of CuO on physical, structural, optical and thermal properties of dark VPB semiconducting glasses. <i>Optical Materials</i> , <b>2021</b> , 116, 111084	3.3	9
78	Model fitted and model free approaches for crystallization kinetics in Se <sub>85</sub> Te <sub>15</sub> -xBix glasses. <i>Chinese Journal of Physics</i> , <b>2021</b> , 71, 1-11	3.5	1
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21	Effect of EuF <sub>3</sub> on Thermal and Luminescent Properties of Glasses in the 30BaZrF <sub>6</sub> /0NaPO <sub>3</sub> /EuF <sub>3</sub> System. <b>2022</b> , 67, 1639-1645		0
20	Influence of CaF <sub>2</sub> addition on structure and luminescence properties of the Na <sub>2</sub> O/CaO/SiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> /Nb <sub>2</sub> O <sub>5</sub> glass co-doped with Ce <sup>3+</sup> /Yb <sup>3+</sup> . <b>2022</b> , 134, 113171		0
19	Structure and stability analysis of basaltic glasses for immobilizing simulated actinides Nd, Ce and La. <b>2023</b> , 600, 122043		0
18	Physical, structural, thermal, and mechanical features combined with neutron and gamma radiation attenuation qualities of Sm <sub>2</sub> O <sub>3</sub> doped transparent borate-rich glasses. <b>2023</b> , 22, 1268-1296		0
17	Effect of Al(PO <sub>3</sub> ) <sub>3</sub> , NaF, and SrF <sub>2</sub> on structure and properties of fluorophosphate glass. <b>2023</b> , 602, 122089		0
16	Thermal, optical, structural, and electrical properties of ZnO/MoO <sub>3</sub> /TeO <sub>2</sub> glasses. <b>2022</b> ,		0
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