

# CITATION REPORT

List of articles citing

## Fundamental Aspects of Bulk Metallic Glass Formation in Multicomponent Alloys

DOI: [10.4028/www.scientific.net/msf.225-227.35](https://doi.org/10.4028/www.scientific.net/msf.225-227.35)  
Materials Science Forum, 1996, 225-227, 35-50.

**Source:** <https://exaly.com/paper-pdf/26878006/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
276	The Effect of Iron and Oxygen Additions on the Properties of Zr-Al-Cu-Ni Bulk Metallic Glass Forming Alloys. <b>1996</b> , 455, 465		4
275	Microstructure studies of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk amorphous alloy by electron diffraction intensity analysis. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 1053-1055	3.4	48
274	Crystallization and mechanical behaviour of bulk Zr-Ti-Ni-Cu-Be metallic glasses. <b>1997</b> , 76, 529-540		26
273	Enhanced thermal stability and microhardness in Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk amorphous alloy by carbon addition. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 58-60	3.4	106
272	Mechanical alloying of highly processable glassy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1997</b> , 226-228, 364-373	5.3	63
271	Formation of new Zr-Ti-Cu-Ni-Be-C bulk amorphous alloy. <b>1998</b> , 41, 756-760		
270	Ferromagnetic bulk amorphous alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>1998</b> , 29, 1779-1793	2.3	208
269	Structure of bulk amorphous Pd-Ni-P alloys determined by synchrotron radiation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>1998</b> , 29, 1805-1809	2.3	38
268	Effect of oxygen on phase formation and thermal stability of slowly cooled Zr <sub>65</sub> Al <sub>7.5</sub> Cu <sub>17.5</sub> Ni <sub>10</sub> metallic glass. <i>Acta Materialia</i> , <b>1998</b> , 46, 5475-5482	8.4	265
267	Volume Effects in Bulk Metallic Glass Formation. <b>1998</b> , 554, 21		22
266	Role of small atoms in the formation and properties of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk amorphous alloys. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 5961-5968	2.5	55
265	Ferromagnetic CoBeZrB amorphous alloys with glass transition and good high-frequency permeability. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 744-746	3.4	73
264	Microstructure, decomposition, and crystallization in Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass. <i>Physical Review B</i> , <b>1998</b> , 57, 8211-8217	3.3	105
263	Crystallization Behavior and Phase Formation in Zr–Al–Cu–Ni Metallic Glass Containing Oxygen. <b>1998</b> , 39, 623-632		319
262	Deformation Behavior of Bulk Amorphous Zr-Base Alloys. <b>1998</b> , 554, 137		9
261	High-Strength Bulk Nanostructure Alloys Consisting of Compound and Amorphous Phases. <b>1998</b> , 554, 143		1
260	A Local Probe into the Atomic Structure of Metallic Glasses Using EELS. <b>1998</b> , 554, 15		

259	Self-Diffusion in Bulk Metallic Glasses. <b>1998</b> , 554, 269		5
258	Atomic Diffusion in Bulk Metallic Glasses. <b>1998</b> , 554, 275		3
257	Oxygen Distribution in Zr-Based Metallic Glasses. <b>1998</b> , 554, 3		5
256	Thermal Stability of Bulk Metallic Glasses. Influence on Mechanical Properties. <b>1998</b> , 554, 413		3
255	Measurements of thermophysical properties of liquid metals relevant to Marangoni effects. <b>1998</b> , 356, 845-856		5
254	Elastic constants and their pressure dependence of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>9</sub> Be <sub>22.5</sub> C <sub>1</sub> bulk metallic glass. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 1803-1805	3.4	89
253	Change of Compressibility at the Glass Transition and Prigogine-Defay Ratio in ZrTiCuNiBe Alloys. <b>1999</b> , 82, 580-583		59
252	Chapter 14 Bulk amorphous alloys. <b>1999</b> , 2, 375-415		30
251	Time Scales for Viscous Flow, Atomic Transport, and Crystallization in the Liquid and Supercooled Liquid States of Zr <sub>41.2</sub> Ti <sub>13.8</sub> Cu <sub>12.5</sub> Ni <sub>10.0</sub> Be <sub>22.5</sub> . <b>1999</b> , 82, 2290-2293		233
250	Mechanically alloyed Zr <sub>55</sub> Al <sub>10</sub> Cu <sub>30</sub> Ni <sub>5</sub> metallic glass composites containing nanocrystalline W particles. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 7112-7119	2.5	87
249	Self-diffusion in the amorphous and supercooled liquid state of the bulk metallic glass Zr <sub>46.75</sub> Ti <sub>8.25</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>1999</b> , 250-252, 669-673	3.9	48
248	Diffusion in ZrTiCuNiBe bulk glasses at temperatures around the glass transition. <i>Journal of Non-Crystalline Solids</i> , <b>1999</b> , 250-252, 674-678	3.9	42
247	Nanocrystallization of ZrTiCuNiBeC bulk metallic glass under high pressure. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 2770-2772	3.4	80
246	Diffusion Barriers for Copper Metallization: Predicting Phase Stability and Reactivity using Equilibrium Thermodynamics. <b>1999</b> , 564, 299		1
245	Influence of Liquid Temperature on the Crystallization Behavior in Zr–Al–Cu–Pd Amorphous Alloy. <b>1999</b> , 40, 1178-1180		10
244	Glass Transition, Viscosity of the Supercooled Liquid and Crystallization Behaviour of Zr–Al–Cu–Ni–Fe Metallic Glasses. <b>2000</b> , 41, 1415-1422		10
243	Connecting, Assemblage and Electromechanical Shaping of Bulk Metallic Glasses. <b>2000</b> , 41, 1501-1504		17
242	The Effects of Iron Addition on the Glass-Forming Ability and Properties of Zr–Ti–Cu–Ni–Be–Fe Bulk Metallic Glass. <b>2000</b> , 41, 1427-1431		14

241	Low Temperature Mechanical Properties of Bulk Metallic Glasses. <b>2000</b> , 41, 1443-1447		14
240	Elastic Properties of Three Bulk Metallic Glasses. Evolution Versus Temperature in the Glass Transition Region and Influence of Crystallisation.. <b>2000</b> , 644, 1061		1
239	Exafs and Exelfs Study of the Structure of Pd-Ni-P Bulk Metallic Glasses. <b>2000</b> , 644, 241		
238	Investigation of phases on a Zr-based bulk glass alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2000</b> , 279, 237-243	5.3	20
237	Short-range order in bulk Zr- and Hf-based amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2000</b> , 278, 16-21	5.3	18
236	Application of equilibrium thermodynamics to the development of diffusion barriers for copper metallization (invited). <b>2000</b> , 50, 357-368		34
235	Glass-forming ability of REAl <sub>3</sub> M alloys (RE=Sm, Y; TM=Fe, Co, Cu). <i>Acta Materialia</i> , <b>2000</b> , 48, 3823-3831	8.4	44
234	Hydrogen effects on the mechanical and fracture behavior of a Zr-Ti-Ni-Cu-Be bulk metallic glass. <i>Scripta Materialia</i> , <b>2000</b> , 42, 233-240	5.6	68
233	The correlation between reduced glass transition temperature and glass forming ability of bulk metallic glasses. <i>Scripta Materialia</i> , <b>2000</b> , 42, 667-673	5.6	227
232	Fabrication of bulk glassy Zr <sub>41</sub> Ti <sub>14</sub> Ni <sub>8</sub> Cu <sub>12.5</sub> Be <sub>22.5</sub> Fe <sub>2</sub> alloy by water quenching. <b>2000</b> , 45, 23-27		3
231	Crystallization and nanoindentation behavior of a bulk Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>8</sub> Be <sub>22.5</sub> alloy. <b>2000</b> , 15, 798-807		117
230	Equation of state of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass. <i>Physical Review B</i> , <b>2000</b> , 61, 3166-3169	3.9	57
229	Formation of quasicrystals in Zr <sub>46.8</sub> Ti <sub>8.2</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> bulk glass. <i>Applied Physics Letters</i> , <b>2000</b> , 77, 3935-3937	3.4	61
228	Ultrasonic attenuation in Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> C <sub>x</sub> (x=0,1) bulk metallic glasses under high pressure. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 3266-3268	2.5	2
227	Glass transition behavior, crystallization kinetics, and microstructure change of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass under high pressure. <i>Journal of Applied Physics</i> , <b>2000</b> , 88, 3914	2.5	28
226	Supersoftening of transverse phonons in Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass. <i>Physical Review B</i> , <b>2000</b> , 62, 25-28	3.3	40
225	Crystallization phases of the Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> alloy after slow solidification. <b>2000</b> , 15, 1729-1734		28
224	Carbon-addition-induced bulk ZrTiCuNiBe amorphous matrix composite containing ZrC particles. <b>2000</b> , 44, 59-63		21

223	Local structure of metallic glasses as seen by mechanical hydrogen relaxation. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 310, 224-228	5.7	23
222	Foundation of bulk amorphous alloy database. <i>Intermetallics</i> , <b>2000</b> , 8, 499-501	3.5	2
221	Reduced glass transition temperature and glass forming ability of bulk glass forming alloys. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 270, 103-114	3.9	170
220	Physical properties of bulk amorphous glasses: influence of physical aging and onset of crystallisation. <i>Journal of Non-Crystalline Solids</i> , <b>2000</b> , 274, 301-306	3.9	26
219	Preparation and mechanical properties of a new ZrAlTiCuNiBe bulk metallic glass. <b>2001</b> , 50, 279-283		17
218	Equation of state of bulk metallic glasses studied by an ultrasonic method. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 3947-3949	3.4	40
217	Effects of Pre-Charged Hydrogen on the Mechanical and Thermal Behavior of Zr-Ti-Ni-Cu-Be Bulk Metallic Glass Alloys. <b>2001</b> , 42, 638-641		20
216	Pressure Effects on Elastic Properties and Glass Transition of Zr-, Pd-based Bulk Metallic Glasses. <b>2001</b> , 42, 606-612		3
215	Formation and Properties of Zr-(Ti, Nb)-Cu-Ni-Al Bulk Metallic Glasses. <b>2001</b> , 42, 587-591		31
214	Fe-based thick amorphous-alloy coating by laser cladding. <i>Surface and Coatings Technology</i> , <b>2001</b> , 141, 141-144	4.4	83
213	Nanostructured materials in multicomponent alloy systems. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 301, 1-11	5.3	33
212	Metastable phases in Zr-based bulk glass-forming alloys detected using a synchrotron beam in transmission. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 304-306, 34-38	5.3	37
211	Amorphous metals driving materials and process innovations. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 304-306, 61-67	5.3	23
210	Dependence of diffusion on the alloy composition in ZrTiCuNiBe bulk glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 304-306, 646-649	5.3	7
209	Tendency of primary crystal formation in ZrTiCuNiBe metallic bulk glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 304-306, 701-705	5.3	16
208	The effects of hydrogen on deformation and fracture of a ZrTiNiCuBe bulk metallic glass. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 319-321, 480-483	5.3	20
207	Deformation behavior of Zr-based metallic glasses. <b>2001</b> , 117, 374-380		67
206	Sliding behavior of metallic glass: Part I. Experimental investigations. <b>2001</b> , 250, 409-419		83

205	Formation of Zr-Ni-based amorphous alloys with wide supercooled liquid region by mechanical alloying. <b>2001</b> , 36, 2073-2082		7
204	Bulk nanostructured Zr-based multiphase alloys with high strength and good ductility. <i>Scripta Materialia</i> , <b>2001</b> , 44, 1587-1590	5.6	34
203	Bulk Amorphous Alloys. <b>2001</b> , 1-51		63
202	Characteristics of the glass transition and supercooled liquid state of the Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	36
201	Pressure-induced amorphization of ZrTiCuNiBe bulk glass-forming alloy. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1106-1108	3.4	27
200	Thermal, Mechanical and Electrical Properties of Pd-Based Thin-Film Metallic Glass. <b>2001</b> , 40, 5382-5388		95
199	Phase separation in Nd <sub>60</sub> Y <sub>x</sub> Fe <sub>30</sub> Al <sub>10</sub> melt-spun ribbons. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 772-774	3.4	25
198	Phase transformation in a Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk amorphous alloy upon crystallization. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	20
197	Stability of ZrTiCuNiBe bulk metallic glass upon isothermal annealing near the glass transition temperature. <b>2002</b> , 17, 1385-1389		51
196	Mechanically Alloyed Amorphous Ti <sub>50</sub> (Cu <sub>0.45</sub> Ni <sub>0.55</sub> ) <sub>44</sub> Al <sub>x</sub> Si <sub>4</sub> B <sub>2</sub> Alloys with Supercooled Liquid Region. <b>2002</b> , 17, 1743-1749		61
195	The equation of state and potential function of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass. <b>2002</b> , 14, 5665-5671		6
194	Cooling Rate Evaluation for Bulk Amorphous Alloys from Eutectic Microstructures in Casting Processes. <b>2002</b> , 43, 1670-1675		75
193	Microstructure and mechanical properties of slowly cooled Zr <sub>66.4</sub> Nb <sub>6.4</sub> Cu <sub>10.5</sub> Ni <sub>8.7</sub> Al <sub>8.0</sub> with ductile bcc phase. <b>2002</b> , 754, 1		1
192	Biomedical Potential of a Zirconium-Based Bulk Metallic Glass. <b>2002</b> , 754, 1		20
191	Melt Infiltration Processing of Foams Using Glass-Forming Alloys. <b>2002</b> , 754, 1		1
190	Study of The Quasicrystal Formation in Zr <sub>46.8</sub> Ti <sub>8.2</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> Bulk Metallic Glass. <b>2002</b> , 754, 1		
189	ZrNbCuNiAl bulk metallic glass matrix composites containing dendritic bcc phase precipitates. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 2478-2480	3.4	239
188	Structural behavior of Zr <sub>52</sub> Ti <sub>5</sub> Cu <sub>18</sub> Ni <sub>15</sub> Al <sub>10</sub> bulk metallic glass at high temperatures. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 4525-4527	3.4	16

187	Nano-quasicrystalline phase formation in Mg <sub>70</sub> Cd <sub>10</sub> Nb alloys. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 342, 261-264	5.7	11
186	Investigation on bulk Nd <sub>70</sub> Fe <sub>10</sub> Al amorphous/nano-crystalline alloy. <b>2002</b> , 241, 73-80		5
185	Amorphous aluminum alloys Synthesis and stability. <b>2002</b> , 54, 34-39		57
184	Glass transition and thermal stability of hard magnetic bulk NdAlFeCo metallic glass. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2002</b> , 334, 307-311	5.3	8
183	Viscoelasticity and viscosity of Pd <sub>40</sub> Ni <sub>40</sub> Cu <sub>20</sub> bulk metallic glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2002</b> , 336, 190-195	5.3	110
182	Glass-forming ability and thermal stability of Nd <sub>70</sub> Fe <sub>20</sub> Al <sub>10</sub> Y alloys. <i>Acta Materialia</i> , <b>2002</b> , 50, 3567-3578.	4	17
181	The effects of hydrogen on viscoelastic relaxation in Zr <sub>41.2</sub> Ti <sub>13.8</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glasses: implications for hydrogen embrittlement. <i>Acta Materialia</i> , <b>2002</b> , 50, 537-551	8.4	51
180	A new glass-forming ability criterion for bulk metallic glasses. <i>Acta Materialia</i> , <b>2002</b> , 50, 3501-3512	8.4	1018
179	Improved mechanical behavior of Cu <sub>41</sub> -based bulk metallic glass by in situ formation of nanoscale precipitates. <i>Scripta Materialia</i> , <b>2003</b> , 48, 653-658	5.6	151
178	Effect of casting conditions on microstructure and mechanical properties of high-strength Zr <sub>73.5</sub> Nb <sub>9</sub> Cu <sub>7</sub> Ni <sub>1</sub> Al <sub>9.5</sub> in situ composites. <i>Scripta Materialia</i> , <b>2003</b> , 49, 1189-1195	5.6	55
177	Evaluation of the optimum solute concentration for good glass forming ability in multicomponent metallic glasses. <b>2003</b> , 38, 681-689		27
176	Effect of preparation conditions on the short-range order in Zr-based bulk glass-forming alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2003</b> , 343, 194-198	5.3	21
175	Deformation behavior of the Zr <sub>41.2</sub> Ti <sub>13.8</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass over a wide range of strain-rates and temperatures. <i>Acta Materialia</i> , <b>2003</b> , 51, 3429-3443	8.4	601
174	High-strength Zr-Nb-(Cu,Ni,Al) composites with enhanced plasticity. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 4690-4692	3.4	106
173	Relation between thermodynamics and kinetics of glass-forming liquids. <b>2003</b> , 90, 055701		131
172	Roles of local icosahedral chemical ordering in glass and quasicrystal formation in metallic glass formers. <b>2003</b> , 15, L491-L498		97
171	Relationship between glass transition temperature and Debye temperature in bulk metallic glasses. <b>2003</b> , 18, 2747-2751		58
170	Microhardness and abrasive wear resistance of metallic glasses and nanostructured composite materials. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 316, 96-103	3.9	108

169	Sliding and deformation of metallic glass: experiments and MD simulations. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 317, 206-214	3.9	41
168	Structural relaxation in a bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 325, 179-186	3.9	31
167	Phase separation and crystallization in the Zr <sub>41.2</sub> Ti <sub>13.8</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass determined by physical measurements and electron microscopy. <i>Journal of Non-Crystalline Solids</i> , <b>2003</b> , 325, 133-141	3.9	39
166	Dilatometric measurements and calculation of effective pair potentials for Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass. <b>2003</b> , 57, 1229-1232		15
165	Low-frequency high-temperature internal friction of bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 355, 42-46	5.7	21
164	Microstructure, thermal stability and mechanical properties of slowly cooled Zr-based composites containing dendritic bcc phase precipitates. <b>2003</b> , 806, 356		
163	Structural and magnetic properties of Nd <sub>60</sub> Fe <sub>30</sub> Co <sub>x</sub> Al <sub>10</sub> melt-spun ribbons. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 6930-6932	2.5	3
162	Diffusion in a metallic melt at the critical temperature of mode coupling theory. <b>2003</b> , 90, 195502		72
161	Formation of Ductile Cu-Based Bulk Metallic Glass Matrix Composite by Ta Addition. <b>2003</b> , 44, 2224-2227		39
160	Electrical resistivity in Zr <sub>48</sub> Nb <sub>8</sub> Cu <sub>12</sub> Fe <sub>8</sub> Be <sub>24</sub> glassy and crystallized alloys. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 1269-1273	2.5	21
159	Crystallization behavior of low temperature pre-annealed Zr <sub>46.8</sub> Ti <sub>8.2</sub> Ni <sub>10</sub> Cu <sub>7.5</sub> Be <sub>27.5</sub> Bulk glass. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 375-377, 355-358	5.3	10
158	Correlation between microstructure and internal friction in a Zr <sub>41.2</sub> Ti <sub>13.8</sub> Cu <sub>12.5</sub> Ni <sub>8</sub> Be <sub>22.5</sub> Be <sub>2</sub> bulk metallic glass. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 379, 197-203	5.3	14
157	Internal friction and elastic modulus of bulk metallic glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 370, 302-306	5.3	24
156	Microstructure and mechanical properties of slowly cooled Zr <sub>41</sub> Nb <sub>8</sub> Cu <sub>12</sub> Ni <sub>10</sub> Al composites with ductile bcc phase. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 375-377, 322-326	5.3	41
155	Elastic property and its response to pressure in a typical bulk metallic glass. <i>Acta Materialia</i> , <b>2004</b> , 52, 715-719	8.4	26
154	Effects of a small amount of Si or Ge addition on stability and hydrogen-induced internal friction of Ti <sub>34</sub> Zr <sub>11</sub> Cu <sub>47</sub> Ni <sub>8</sub> glassy alloys. <i>Acta Materialia</i> , <b>2004</b> , 52, 1799-1806	8.4	18
153	Unusual glass-forming ability of bulk amorphous alloys based on ordinary metal copper. <b>2004</b> , 92, 245504		394
152	Stability and hydrogen-induced internal friction of Ti-rich multicomponent glassy alloys. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 372, 116-120	5.7	11



151	Decomposition and crystallization of Pd <sub>40</sub> Cu <sub>30</sub> Ni <sub>10</sub> P <sub>20</sub> and Zr <sub>46.8</sub> Ti <sub>8.2</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> metallic glasses. <i>Intermetallics</i> , <b>2004</b> , 12, 1251-1255	3.5	14
150	Effect of casting conditions on dendrite-amorphous/nanocrystalline Zr <sub>46.8</sub> Ti <sub>8.2</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> in situ composites. <i>Intermetallics</i> , <b>2004</b> , 12, 1153-1158	3.5	54
149	Difference in crystallization kinetics of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass under different oxidizing environments. <i>Intermetallics</i> , <b>2004</b> , 12, 1257-1259	3.5	7
148	Hydrogen-induced internal friction of Zr-based bulk glassy alloys in a rod shape above 90 K. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 365, 221-227	5.7	16
147	Effects of crystalline particles on mechanical properties of strip-cast Zr-base bulk amorphous alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 390, 427-436	5.3	14
146	Dendritic microstructure in the metallic glass matrix composite Zr <sub>56</sub> Ti <sub>14</sub> Nb <sub>5</sub> Cu <sub>7</sub> Ni <sub>6</sub> Be <sub>12</sub> . <i>Scripta Materialia</i> , <b>2005</b> , 53, 93-97	5.6	18
145	Analysis of the crystallization of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> bulk metallic glass using electrical resistivity measurement. <i>Scripta Materialia</i> , <b>2005</b> , 53, 223-228	5.6	24
144	Elevated Temperature Deformation Behavior of Zr-Based Bulk Metallic Glasses. <b>2005</b> , 7, 833-841		12
143	Study of internal friction behavior in a Zr base bulk amorphous alloy around the glass transition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 403, 328-333	5.3	13
142	The dynamic shear response of the Zr base bulk metallic glass around the calorimetric glass transition temperature. <b>2005</b> , 40, 4795-4799		5
141	Hole Punching onto the Zr <sub>65</sub> Al <sub>10</sub> Ni <sub>10</sub> Cu <sub>15</sub> BMG Sheet Fabricated by Squeeze Casting. <i>Materials Science Forum</i> , <b>2005</b> , 475-479, 3423-3426	0.4	4
140	Observation of low-temperature specific-heat anomaly in CuZrAl bulk metallic glasses. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 231909	3.4	14
139	Doubling the Critical Size for Bulk Metallic Glass Formation in the Mg <sub>20</sub> Cu <sub>75</sub> Ternary System. <b>2005</b> , 20, 2252-2255		82
138	Metals. <b>2005</b> , 161-430		5
137	Potentiodynamic polarization studies on bulk amorphous alloys and Zr <sub>46.75</sub> Ti <sub>8.25</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> and Zr <sub>65</sub> Cu <sub>17.5</sub> Ni <sub>10</sub> Al <sub>7.5</sub> . <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 951-955	3.9	13
136	Relationship among glass-forming ability, fragility, and short-range bond ordering of liquids. <i>Journal of Non-Crystalline Solids</i> , <b>2005</b> , 351, 678-690	3.9	165
135	The viscoelastic properties of bulk Zr <sub>55</sub> Cu <sub>25</sub> Ni <sub>5</sub> Al <sub>10</sub> Nb <sub>5</sub> metallic glass. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 413, 181-187	5.7	21
134	Ductile Metallic Glasses in Supercooled Martensitic Alloys. <b>2006</b> , 47, 2606-2609		54

133	Elastic properties of glasses: a multiscale approach. <b>2006</b> , 334, 743-753		39
132	Stabilization of Zr-base metallic glass studied by isochronal and isothermal annealing experiments. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 442, 287-291	5.3	8
131	Hydrogen-induced internal friction of Ti-rich multicomponent glassy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 442, 106-108	5.3	4
130	As-cast Zr <sub>46</sub> Ni <sub>10</sub> Cu <sub>14</sub> Nb bulk metallic glasses containing nanocrystalline particles with ductility. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 431, 158-165	5.3	26
129	A new criterion for evaluating the glass-forming ability of bulk metallic glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 433, 155-160	5.3	130
128	Pressure effect on the crystallization behavior of Zr <sub>46</sub> Ti <sub>8.3</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> bulk metallic glass. <b>2006</b> , 350, 297-301		7
127	Amorphous metal foams. <i>Scripta Materialia</i> , <b>2006</b> , 54, 513-520	5.6	67
126	Towards the Development of a New Iron Age. <b>2006</b> , 8, 940-943		8
125	Search for High Damping Metallic Glasses. <b>2006</b> , 319, 151-156		3
124	Internal Friction and Mechanical Strength of Hydrogenated Ti-Rich Multicomponent Glassy Alloys. <b>2006</b> , 319, 139-144		3
123	Precipitation of Zr <sub>2</sub> Cu Stable Crystalline Phase from Zr <sub>70</sub> Cu <sub>27.5</sub> Rh <sub>2.5</sub> Amorphous Alloy. <b>2006</b> , 979, 1		
122	Decomposition and metastable phase formation in the bulk metallic glass matrix composite Zr <sub>56</sub> Ti <sub>14</sub> Nb <sub>5</sub> Cu <sub>7</sub> Ni <sub>6</sub> Be <sub>12</sub> . <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 123519	2.5	8
121	Amorphization in iron nitride thin films prepared by reactive ion-beam sputtering. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	11
120	Fe-based bulk glassy alloy composite containing in situ formed $\beta$ (Fe,Co) and (Fe,Co) <sub>23</sub> B <sub>6</sub> microcrystalline grains. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 101915	3.4	42
119	Stabilization of metallic glass by isochronal and isothermal annealing treatments. <b>2007</b> , 19, 205147		4
118	Synthesis of Zr-Based Glassy Alloy Foams. <i>Advanced Materials Research</i> , <b>2007</b> , 26-28, 739-742	0.5	
117	High-Temperature Internal Friction of Metallic Glasses with Widely Different Glass-Forming Ability. <b>2007</b> , 76, 114601		5
116	Quasicrystalline Compounds; Metallic Glasses. <b>2007</b> ,		

115	Pitting and alkaline dissolution of an amorphous/nanocrystalline alloy with solute-lean nanocrystals. <b>2007</b> , 49, 2351-2361		30
114	Glass transition and crystallization behavior of Zr <sub>41</sub> Ti <sub>14</sub> Cu <sub>12.5</sub> Ni <sub>10</sub> Be <sub>22.5</sub> glassy sphere solidified in a 52-m drop tube. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 433, 233-236	5-7	6
113	Internal friction induced by interstitial atoms in multicomponent glassy alloy and composite. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 434-435, 196-198	5-7	3
112	Corrosion and related mechanical properties of bulk metallic glasses. <b>2007</b> , 22, 302-313		214
111	Effects of additional Ag on the thermal stability and glass-forming ability of Cu-Zr binary glassy alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 459, 330-336	5-3	49
110	Phase evolution in AlNi <sub>4</sub> (Ti, Nb, Zr) powder blends by mechanical alloying. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 464, 306-314	5-3	11
109	Liquid structure: Is it directly correlative to glass-forming ability?. <b>2007</b> , 367, 364-368		8
108	Thermal Stability and Crystallization Kinetics in Y-Based Metallic Glasses. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2008</b> , 39, 1797-1803	2-3	5
107	Synthesis and Mechanical Properties of New Cu-Zr-based Glassy Alloys with high Glass-Forming Ability. <b>2008</b> , 10, 1034-1038		12
106	Glass formation and local structure evolution in rapidly cooled PdNi alloy melt under high pressure. <b>2008</b> , 372, 708-711		9
105	Electrodeposition and tribological behavior of amorphous chromium-alumina composite coatings. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 2725-2730	4-4	36
104	A novel route for preparing binary Sm-Fe bulk amorphous alloys. <b>2008</b> , 62, 2862-2864		9
103	Temperature, frequency, and amplitude dependence of internal friction of metallic glass. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 994-1000	3-9	11
102	Stabilization of metallic glass studied by internal friction measurement. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 1780-1785	3-9	10
101	Influence of structural relaxation on atomic mobility in a Zr <sub>41.2</sub> Ti <sub>13.8</sub> Cu <sub>12.5</sub> Ni <sub>10.0</sub> Be <sub>22.5</sub> (Vit1) bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 3666-3670	3-9	23
100	Glass formation and local structure evolution in rapidly cooled Pd <sub>55</sub> Ni <sub>45</sub> alloy melt: Molecular dynamics simulation. <i>Computational Materials Science</i> , <b>2008</b> , 42, 713-716	3-2	10
99	Glass Forming Ability of Metallic Glasses Evaluated by a New Criterion. <b>2008</b> , 25, 3459-3462		9
98	Fracture behavior of Zr <sub>55</sub> Cu <sub>30</sub> Al <sub>10</sub> Ni <sub>5</sub> bulk metallic glass under quasi-static and dynamic compression. <b>2008</b> , 23, 1744-1750		26

97	Relaxation time dispersions in glass forming metallic liquids and glasses. <b>2008</b> , 128, 164503		58
96	Fabrication of Cu <sub>70</sub> Zr <sub>10</sub> Al glassy alloy samples with a diameter of 20 mm by water quenching. <b>2008</b> , 23, 1452-1456		31
95	Effect of high strain rates on peak stress in a Zr-based bulk metallic glass. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 093522	2.5	31
94	Formation and properties of new Cu-based bulk glassy alloys with critical diameters up to 1.5 cm. <b>2009</b> , 24, 2935-2940		9
93	Direct observations on the evolution of shear bands into cracks in metallic glass. <b>2009</b> , 24, 3130-3135		31
92	Predicting the Glass-Forming-Ability of Alloys by Molecular Dynamics Simulation: A Working Example of Ti <sub>40</sub> Bulk Metallic Glasses. <b>2009</b> , 48, 061301		5
91	Comparison of bulk metallic glass formation between Cu-Hf binary and Cu-Hf-Al ternary alloys. <b>2009</b> , 24, 96-106		23
90	Hydrogen-induced high damping of bulk metallic glasses. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 521-522, 354-358	5.3	2
89	High-Velocity Oxygen Fuel Thermal Spray of Fe-Based Amorphous Alloy: a Numerical and Experimental Study. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2009</b> , 40, 2231-2240	2.3	12
88	Internal friction of metallic glass measured as function of strain amplitude at various temperatures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2009</b> , 521-522, 228-231	5.3	4
87	Golden Mean analysis of bulk metallic glasses with critical diameter over half-inch for their mole fractions of compositions. <i>Intermetallics</i> , <b>2009</b> , 17, 696-703	3.5	11
86	Glass formation and non-isothermal crystallization of Zr <sub>62.5</sub> Al <sub>12.1</sub> Cu <sub>7.95</sub> Ni <sub>17.45</sub> bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , <b>2009</b> , 355, 1703-1706	3.9	18
85	Formation and thermal stability of new Zr <sub>60</sub> -based bulk glassy alloys with unusual glass-forming ability. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 483, 112-115	5.7	11
84	Glass forming ability and mechanical properties characterization on Mg <sub>58</sub> Cu <sub>31</sub> Y <sub>11</sub> Gd <sub>x</sub> bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 483, 40-43	5.7	12
83	Correlation between average melting temperature and glass transition temperature in metallic glasses. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 061913	3.4	13
82	Synthesis and Mechanical Properties of New Cu-Based Cu-Zr-Al Glassy Alloys with Critical Diameters up to Centimeter Order. <b>2010</b> , 51, 826-829		30
81	Interdependence between glass stability and phase formation sequence during crystallization of Zr <sub>46.8</sub> Ti <sub>8.2</sub> Cu <sub>7.5</sub> Ni <sub>10</sub> Be <sub>27.5</sub> bulk glass. <i>International Journal of Materials Research</i> , <b>2010</b> , 101, 601-610	0.5	1
80	Spark plasma sintering for multi-scale surface engineering of materials. <b>2010</b> , 62, 65-71		12

79	Evolution of Constitution, Structure, and Morphology in FeCo-Based Multicomponent Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2010</b> , 41, 1640-1645 <sup>2,3</sup>	2
78	TEM studies of melt-spun alloys with liquid miscibility gap. <b>2010</b> , 237, 267-70	15
77	Preparation of a Pd-Cu-Si Bulk Metallic Glass with a Diameter up to 11 mm. <b>2010</b> , 27, 126101	21
76	Mixing enthalpy of liquid phase calculated by miedema's scheme and approximated with sub-regular solution model for assessing forming ability of amorphous and glassy alloys. <i>Intermetallics</i> , <b>2010</b> , 18, 1779-1789	3.5 109
75	Unusual compressive plasticity of a centimeter-diameter Zr-based bulk metallic glass with high Zr content. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 504, S2-S5	5.7 29
74	Viscosity-related properties of Mg <sub>65</sub> Cu <sub>25</sub> Y <sub>10</sub> bulk metallic glass determined by uniaxial tension in the supercooled liquid region. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 496, 582-588	5.7 6
73	Non-exponentiality of structural relaxations in glass forming metallic liquids. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 504, S201-S204	5.7 16
72	Physical properties of Zr <sub>50</sub> Cu <sub>40</sub> Al <sub>10</sub> Pd <sub>x</sub> bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 504, 16-21	5.7 7
71	Recent Development and Applications of Bulk Glassy Alloys. <i>International Journal of Applied Glass Science</i> , <b>2010</b> , 1, 273-295	1.8 39
70	Bulk Metallic Glasses: Formation and Applications. <b>2010</b> , 1-6	0
69	Microstructure and properties of the in situ formed amorphous-crystalline composites in the Fe-Cu-based immiscible alloys. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 4891-4895	5.7 20
68	Deformation behaviors under tension and compression: Atomic simulation of Cu <sub>65</sub> Zr <sub>35</sub> metallic glass. <i>Intermetallics</i> , <b>2011</b> , 19, 1168-1173	3.5 15
67	Pd <sub>20</sub> Pt <sub>20</sub> Cu <sub>20</sub> Ni <sub>20</sub> P <sub>20</sub> high-entropy alloy as a bulk metallic glass in the centimeter. <i>Intermetallics</i> , <b>2011</b> , 19, 1546-1554	3.5 158
66	Les verres métalliques massifs : matériaux à faible ou à fort coefficient d'amortissement ?. <i>Revue De Metallurgie</i> , <b>2011</b> , 108, 331-341	
65	Enhancement of glass-forming ability and corrosion resistance of Zr-based Zr-Ni-Al bulk metallic glasses with minor addition of Nb. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 023513	2.5 13
64	Recent development and application products of bulk glassy alloys?. <i>Acta Materialia</i> , <b>2011</b> , 59, 2243-2268.4	874
63	Characterization of Cr-Al <sub>2</sub> O <sub>3</sub> Composite Coatings Electrodeposited from Cr(III) Plating Bath. <i>Applied Mechanics and Materials</i> , <b>2011</b> , 121-126, 60-64	0.3
62	A study on the formation of crystalline phases during solidification and crystallisation in the bulk metallic glass of Zr <sub>53</sub> Cu <sub>21</sub> Al <sub>10</sub> Ni <sub>8</sub> Ti <sub>8</sub> composition. <i>Philosophical Magazine</i> , <b>2012</b> , 92, 2136-2149	1.6

61	Compositional features of bulk metallic glasses analyzed with a tetrahedral composition diagram from s-, p-, d- and f-blocks. <i>International Journal of Materials Research</i> , <b>2012</b> , 103, 1102-1107	0.5	1
60	Alloy Design for High-Entropy Bulk Glassy Alloys. <i>Procedia Engineering</i> , <b>2012</b> , 36, 226-234		12
59	Effects of Cu, Fe and Co addition on the glass-forming ability and mechanical properties of Zr-Al-Ni bulk metallic glasses. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2012</b> , 55, 2367-2371	3.6	13
58	Glass-forming ability and corrosion resistance of Zr-based Zr <sub>50</sub> Ni <sub>40</sub> Al bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 536, S117-S121	5.7	31
57	Formation and Thermal Stability of Cu-Based Metallic Glasses with High Glass-Forming Ability. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2012</b> , 43, 2592-2597	2.3	4
56	Prediction of high-entropy stabilized solid-solution in multi-component alloys. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 132, 233-238	4.4	1129
55	Stable reflectivity of bulk metallic glass mirrors for ITER optical diagnostic through an irradiation-induced self-recovery mechanism. <i>Journal of Nuclear Materials</i> , <b>2012</b> , 429, 221-225	3.3	5
54	Laser Processing of Fe-Based Bulk Amorphous Alloy Coatings on Titanium. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2013</b> , 44, 4914-4926	2.3	11
53	Dynamic Fracture of a Zr-based Bulk Metallic Glass. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2013</b> , 44, 4644-4653	2.3	10
52	Intrinsic solidification behaviour of basaltic to rhyolitic melts: A cooling rate experimental study. <i>Chemical Geology</i> , <b>2013</b> , 354, 233-242	4.2	39
51	A Ti <sub>36</sub> Zr <sub>30.3</sub> Cu <sub>8.3</sub> Fe <sub>4</sub> Be <sub>21.2</sub> bulk metallic glass with exceptional glass forming ability and remarkable compressive plasticity. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 562, 205-210	5.7	21
50	Phase separation in metallic glasses. <i>Progress in Materials Science</i> , <b>2013</b> , 58, 1103-1172	42.2	167
49	References. <b>2014</b> , 367-382		
48	Structure of melt-spun Fe <sub>40</sub> Cu <sub>10</sub> Si <sub>10</sub> Nb alloy. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 586, S121-S125	5.7	4
47	Formation of monatomic metallic glasses through ultrafast liquid quenching. <i>Nature</i> , <b>2014</b> , 512, 177-80	50.4	291
46	Formation and properties of P-free Pd-based metallic glasses with high glass-forming ability. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 617, 310-313	5.7	9
45	Rheological behavior of Cu <sub>50</sub> Zr-based metallic glass in the supercooled liquid region. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 592, 189-195	5.7	18
44	Mechanical properties and corrosion resistance of a new Zr <sub>56</sub> Ni <sub>20</sub> Al <sub>15</sub> Nb <sub>4</sub> Cu <sub>5</sub> bulk metallic glass with a diameter up to 25mm. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S71-S74	5.7	24

43	Laser processing of Fe based bulk amorphous alloy coating on zirconium. <i>Surface and Coatings Technology</i> , <b>2014</b> , 240, 286-292	4.4	30
42	A novel parameter to describe the glass-forming ability of alloys. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 064902	2.5	20
41	A study of cooling process in bulk metallic glasses fabrication. <i>AIP Advances</i> , <b>2015</b> , 5, 117111	1.5	10
40	Effect of Cooling Rate, Tungsten Fiber Addition and Annealing on Deformation and Mechanical Properties of Zr-Based Bulk Metallic Glasses Under a Nanoindenter. <i>Advanced Materials Research</i> , <b>2015</b> , 1120-1121, 68-72	0.5	
39	Numerical Simulation of Zr-based Bulk Metallic Glass During Continuous Casting Solidification Process. <i>Materials Research</i> , <b>2015</b> , 18, 3-9	1.5	1
38	Amorphization in equiatomic high entropy alloys. <i>Journal of Non-Crystalline Solids</i> , <b>2015</b> , 413, 8-14	3.9	15
37	Microstructure Evolution of a Ti-Based Bulk Metallic Glass Composite During Deformation. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 748-753	1.6	9
36	The fracture of bulk metallic glasses. <i>Progress in Materials Science</i> , <b>2015</b> , 74, 211-307	42.2	315
35	Hard rheniumBoronBolt amorphous alloys with a wide supercooled liquid region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2015</b> , 645, 122-125	5.3	3
34	Bulk Metallic Glasses: Formation and Applications. <b>2016</b> ,		2
33	Formation mechanism for the nanoscale amorphous interface in pulse-welded Al/Fe bimetallic systems. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 201606	3.4	18
32	High thermal stability and sluggish crystallization kinetics of high-entropy bulk metallic glasses. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 245112	2.5	53
31	Deformation behavior of a Ti-based bulk metallic glass composite in the supercooled liquid region. <i>Materials and Design</i> , <b>2016</b> , 90, 595-600	8.1	10
30	Deformation behaviors of a Ti-based bulk metallic glass composite in the dendrite softening region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 653, 1-7	5.3	8
29	The molecular dynamics simulation on the mechanical properties of Ni glass with external pressure. <i>International Journal of Modern Physics B</i> , <b>2017</b> , 31, 1750138	1.1	1
28	Short-pulse laser formation of monatomic metallic glass in tantalum nanowire. <i>Applied Physics A: Materials Science and Processing</i> , <b>2017</b> , 123, 1	2.6	5
27	Glass-forming ability and thermoplastic formability of ferromagnetic (Fe, Co, Ni) 75 P 10 C 10 B 5 metallic glasses. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 707, 57-62	5.7	18
26	Amorphous Materials. <b>2017</b> , 641-667		5

25	Microstructural investigations of bulk metallic glass using small-angle neutron scattering techniques. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 551, 29-32	2.8	1
24	Formation of Zr-based bulk metallic glass with large amount of yttrium addition. <i>Intermetallics</i> , <b>2018</b> , 92, 55-61	3.5	30
23	Ultrasmall nanoparticles inducing order-to-disorder transition. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	2
22	Evaluation of casting fluidity and filling capacity of Zr-based amorphous metal melts. <i>Journal of Iron and Steel Research International</i> , <b>2018</b> , 25, 1163-1171	1.2	3
21	Unusual temperature dependence of the solid-liquid interfacial free energy in the Cu-Zr system. <i>Computational Materials Science</i> , <b>2018</b> , 154, 303-308	3.2	19
20	Dynamic relaxations and relaxation-property relationships in metallic glasses. <i>Progress in Materials Science</i> , <b>2019</b> , 106, 100561	42.2	131
19	Flash DSC determination of the delay time for primary crystallization and minor alloying effect in marginal Al-based metallic glasses. <i>Thermochimica Acta</i> , <b>2019</b> , 677, 91-98	2.9	6
18	The study of crystallization of Mg-based bulk metallic glass (BMG). <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 494, 012080	0.4	1
17	Sonication induced amorphisation in Ag nanowires. <i>Scientific Reports</i> , <b>2019</b> , 9, 2114	4.9	4
16	Combination of pulsed laser ablation and inert gas condensation for the synthesis of nanostructured nanocrystalline, amorphous and composite materials. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 4513-4521	5.1	13
15	Microdomain atomic structure of Zr <sub>50</sub> Pd <sub>40</sub> Al <sub>10</sub> metallic glasses and its formation mechanism. <i>Journal of Materials Science and Technology</i> , <b>2019</b> , 35, 248-253	9.1	2
14	STUDY OF THERMAL STABILITY OF METAL GLASSES OF METAL - METAL AND METAL [METALOID SYSTEMS FOR THERMOMETRY PURPOSES. <i>Measuring Equipment and Metrology</i> , <b>2021</b> , 82, 16-18	0.2	
13	High-strength Cu <sub>3</sub> Ni-rich bulk metallic glasses and nano-composites. <i>International Journal of Materials Research</i> , <b>2003</b> , 94, 615-620		4
12	Effect of yttrium addition on the glass forming ability of Co-based alloys. <i>International Journal of Materials Research</i> , <b>2008</b> , 99, 689-692	0.5	2
11	Corrosion of Amorphous Metals. <b>2005</b> , 476-489		3
10	Nano-scale Shell in Phase Separating Gd-Ti-Al-Co Metallic Glass. <i>Applied Microscopy</i> , <b>2013</b> , 43, 98-101	1.1	1
9	Basic Materials Research in the U.S. Department of Energy. <b>1999</b> , 19-28		
8	Electrical and Optical Properties of CoSiB Metallic Glass Nanometric Thin Films. <i>Materials</i> , <b>2020</b> , 14,	3.5	0



- |   |   |      |   |
|---|---|------|---|
| 7 | Atomic-scale observation of strain-induced local amorphization in face-centered cubic metals. <i>Scripta Materialia</i> , <b>2022</b> , 212, 114553 | 5.6  | ○ |
| 6 | High-strength CuNi-rich bulk metallic glasses and nano-composites. <i>International Journal of Materials Research</i> , <b>2022</b> , 94, 615-620   | 0.5  | ○ |
| 5 | Amorphization by mechanical deformation. <i>Materials Science and Engineering Reports</i> , <b>2022</b> , 149, 100673                               | 30.9 | ○ |
| 4 | The relation between the glass forming ability and nucleation kinetics of metastable quasicrystals in MgZnNb liquid. <b>2023</b> , 168930           |      | ○ |
| 3 | Dynamic mechanical relaxation behavior of TiZrHfCu-Ni/Be/NiBe high-entropy metallic glasses. <b>2023</b> , 157, 107887                              |      | ○ |
| 2 | Hidden shear bands of diversified structures in a bent heterogeneous metallic glass. <b>2023</b> , 869, 144726                                      |      | ○ |
| 1 | Interfacial bonding of low-pressure plasma-sprayed Fe-based amorphous coating on 8090 AlTi alloy. 1-11  |      | ○ |