Tao Zhang

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#	Paper	IF	Citations
225	Zr–Al–Ni Amorphous Alloys with High Glass Transition Temperature and Significant Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 1990 , 31, 177-183		818
224	Amorphous Zr–Al–TM (TM=Co, Ni, Cu) Alloys with Significant Supercooled Liquid Region of Over 100 K. <i>Materials Transactions, JIM</i> , 1991 , 32, 1005-1010		690
223	Al–La–Ni Amorphous Alloys with a Wide Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 1989 , 30, 965-972		655
222	Glass-forming ability of alloys. Journal of Non-Crystalline Solids, 1993, 156-158, 473-480	3.9	553
221	Bulk amorphous alloys with high mechanical strength and good soft magnetic properties in FeIIMB (TM=IVVIII group transition metal) system. <i>Applied Physics Letters</i> , 1997 , 71, 464-466	3.4	366
220	Production of Amorphous Cylinder and Sheet of La55Al25Ni20 Alloy by a Metallic Mold Casting Method. <i>Materials Transactions, JIM</i> , 1990 , 31, 425-428		309
219	Fabrication of Bulk Glassy Zr55Al10Ni5Cu30 Alloy of 30 mm in Diameter by a Suction Casting Method. <i>Materials Transactions, JIM</i> , 1996 , 37, 185-187		301
218	Thermal and Mechanical Properties of Ti–Ni–Cu–Sn Amorphous Alloys with a Wide Supercooled Liquid Region before Crystallization. <i>Materials Transactions, JIM</i> , 1998 , 39, 1001-1006	6	258
217	Bulk Nd–Fe–Al Amorphous Alloys with Hard Magnetic Properties. <i>Materials Transactions, JIM</i> , 1996 , 37, 99-108		244
216	Effect of Additional Elements on Glass Transition Behavior and Glass Formation Tendency of Zr–Al–Cu–Ni Alloys. <i>Materials Transactions, JIM</i> , 1995 , 36, 1420-1426		179
215	New Fe–Co–Ni–Zr–B Amorphous Alloys with Wide Supercooled Liquid Regions and Good Soft Magnetic Properties. <i>Materials Transactions, JIM</i> , 1997 , 38, 359-362		176
214	Influence of similar atom substitution on glass formation in (Latte)Alto bulk metallic glasses. <i>Acta Materialia</i> , 2007 , 55, 3719-3726	8.4	149
213	Bulk Glass Formation of Ti-Zr-Hf-Cu-M (M=Fe, Co, Ni) Alloys. <i>Materials Transactions</i> , 2002 , 43, 277-280	1.3	142
212	Amorphous (Ti,Zr, Hf)?Ni?Cu ternary alloys with a wide supercooled liquid region. <i>Materials Science</i> & amp; Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 181-182, 1423	3- 1 7426	135
211	The micro-nanoformability of Pt-based metallic glass and the nanoforming of three-dimensional structures. <i>Intermetallics</i> , 2002 , 10, 1241-1247	3.5	133
210	Microstructural tailoring and improvement of mechanical properties in CuZr-based bulk metallic glass composites. <i>Acta Materialia</i> , 2012 , 60, 3128-3139	8.4	123
209	Co-based ternary bulk metallic glasses with ultrahigh strength and plasticity. <i>Journal of Materials Research</i> , 2011 , 26, 2072-2079	2.5	119

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208	Thermal Stability and Mechanical Strength of Bulk Glassy Ni-Nb-Ti-Zr Alloys. <i>Materials Transactions</i> , 2002 , 43, 1952-1956	1.3	116
207	Ternary Fe P C bulk metallic glass with good soft-magnetic and mechanical properties. <i>Scripta Materialia</i> , 2011 , 65, 536-539	5.6	114
206	Thermal and Mechanical Properties of Cu-Based Cu-Zr-Ti Bulk Glassy Alloys. <i>Materials Transactions</i> , 2001 , 42, 1149-1151	1.3	114
205	Preparation of Ti–Cu–Ni–Si–B Amorphous Alloys with a Large Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 1999 , 40, 301-306		113
204	Ti-based amorphous alloys with a large supercooled liquid region. <i>Materials Science & Materials Science & Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 771-774	5.3	109
203	Biodegradable MgZnCaBr bulk metallic glasses with enhanced corrosion performance for biomedical applications. <i>Materials & Design</i> , 2015 , 67, 9-19		101
202	Hard Magnetic Bulk Amorphous Nd–Fe–Al Alloys of 12 mm in Diameter Made by Suction Casting. <i>Materials Transactions, JIM</i> , 1996 , 37, 636-640		91
201	Ionic interactions between sulfuric acid and chitosan membranes. Carbohydrate Polymers, 2008, 73, 111	-1063	90
200	Nucleation and growth of nanoporous copper ligaments during electrochemical dealloying of Mg-based metallic glasses. <i>Corrosion Science</i> , 2013 , 67, 100-108	6.8	87
199	Ductile Fe-Based Bulk Metallic Glass with Good Soft-Magnetic Properties. <i>Materials Transactions</i> , 2007 , 48, 1157-1160	1.3	80
198	Corrosion Behavior of Zr–(Nb–)Al–Ni–Cu Glassy Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 1490-1494		76
197	Preparation of Bulk Pr–Fe–Al Amorphous Alloys and Characterization of Their Hard Magnetic Properties. <i>Materials Transactions, JIM</i> , 1996 , 37, 1731-1740		69
196	New Ti-based TiนินนิศษิยิทธิiAg bulk metallic glass for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2015 , 625, 323-327	5.7	67
195	Thermal Stability and Magnetic Properties of Bulk Amorphous Fe–Al–Ga–P–C–B–Si Alloys. <i>Materials Transactions, JIM</i> , 1997 , 38, 189-196		63
194	Bio-corrosion study on zirconium-based bulk-metallic glasses. <i>Intermetallics</i> , 2009 , 17, 195-199	3.5	62
193	Ni- and Cu-free ZrAltoAg bulk metallic glasses with superior glass-forming ability. <i>Journal of Materials Research</i> , 2011 , 26, 539-546	2.5	60
192	New Ti-Based Bulk Metallic Glasses with Significant Plasticity. <i>Materials Transactions</i> , 2005 , 46, 2218-222	20 .3	60
191	Effect of similar elements on improving glass-forming ability of Late-based alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 60-63	5.7	53

190	Corrosion behavior and in vitro biocompatibility of ZrAlCoAg bulk metallic glasses: An experimental case study. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 1599-1604	3.9	52
189	Effects of Yttrium and Erbium Additions on Glass-Forming Ability and Mechanical Properties of Bulk Glassy Zr–Al–Ni–Cu Alloys. <i>Materials Transactions</i> , 2006 , 47, 450-453	1.3	52
188	The effect of atomic size on the stability of supercooled liquid for amorphous (Ti, Zr, Hf)65Ni25Al10 and (Ti, Zr, Hf)65Cu25Al10 alloys. <i>Materials Letters</i> , 1993 , 15, 379-382	3.3	52
187	Formation and mechanical properties of (Cella P rNd)CoAl bulk glassy alloys with superior glass-forming ability. <i>Scripta Materialia</i> , 2006 , 54, 1123-1126	5.6	51
186	Corrosion Behavior of Cu-Zr-Ti-Nb Bulk Glassy Alloys. <i>Materials Transactions</i> , 2003 , 44, 749-753	1.3	51
185	Fracture Toughness of Zr55Al10Ni5Cu30 Bulk Metallic Glass by 3-Point Bend Testing. <i>Materials Transactions</i> , 2005 , 46, 1725-1732	1.3	51
184	Biocompatible Ni-free Zr-based bulk metallic glasses with high-Zr-content: compositional optimization for potential biomedical applications. <i>Materials Science and Engineering C</i> , 2014 , 44, 400-100 ptimizations.	08.3	49
183	Formation, corrosion behavior, and mechanical properties of bulk glassy ZrAlCoNb alloys. Journal of Materials Research, 2003, 18, 1652-1658	2.5	48
182	Microstructure and mechanical properties of Al20\(\mathbb{R}\)Cr20+0.5xFe20Co20Ni20+0.5x high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2016 , 659, 279-287	5.7	47
181	Bulk glassy Ni(ColNblill alloys with high corrosion resistance and high strength. <i>Materials Science & amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 368-371	5.3	47
180	Enhanced degradation of azo dye by nanoporous-copper-decorated Mgtut metallic glass powder through dealloying pretreatment. <i>Applied Surface Science</i> , 2014 , 305, 314-320	6.7	46
179	Three-dimensional nanoporous copper with high surface area by dealloying Mgtut metallic glasses. <i>Materials Letters</i> , 2012 , 76, 96-99	3.3	43
178	Induced multiple heterogeneities and related plastic improvement by laser surface treatment in CuZr-based bulk metallic glass. <i>Intermetallics</i> , 2012 , 24, 50-55	3.5	43
177	Compressibility and hardness of Co-based bulk metallic glass: A combined experimental and density functional theory study. <i>Applied Physics Letters</i> , 2011 , 99, 151911	3.4	40
176	Ductile FeMoPCBB bulk metallic glasses with high saturation magnetization. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 613-615	5.7	39
175	New Glassy Zr-Al-Fe and Zr-Al-Co Alloys with a Large Supercooled Liquid Region. <i>Materials Transactions</i> , 2002 , 43, 267-270	1.3	38
174	Formation, Thermal Stability and Mechanical Properties in Zr-Al-Co Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 2843-2846	1.3	38
173	Improvement in mechanical properties of a Zr-based bulk metallic glass by laser surface treatment. Journal of Alloys and Compounds, 2010, 504, S45-S47	5.7	36

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172	A multicomponent TiZr-based amorphous brazing filler metal for high-strength joining of titanium alloy. <i>Scripta Materialia</i> , 2016 , 117, 55-59	5.6	32	
171	Surface vitrification of alloys by laser surface treatment. <i>Journal of Alloys and Compounds</i> , 2012 , 511, 215-220	5.7	32	
170	Quasi phase transition model of shear bands in metallic glasses. <i>Acta Materialia</i> , 2011 , 59, 7416-7424	8.4	32	
169	Correlations between the wear resistance and properties of bulk metallic glasses. <i>Intermetallics</i> , 2018 , 93, 290-298	3.5	31	
168	Pronounced ductility in CuZrAl ternary bulk metallic glass composites with optimized microstructure through melt adjustment. <i>AIP Advances</i> , 2012 , 2, 032176	1.5	31	
167	Bio-corrosion behavior and in vitro biocompatibility of equimolar TiZrHfNbTa high-entropy alloy. <i>Intermetallics</i> , 2020 , 124, 106845	3.5	30	
166	Near room-temperature magnetocaloric effect in FeMnPBC metallic glasses with tunable Curie temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 347, 131-135	2.8	29	
165	Centimeter-scale-diameter Co-based bulk metallic glasses with fracture strength exceeding 5000 MPa. <i>Science Bulletin</i> , 2011 , 56, 3972-3977		29	
164	Bulk Glassy Alloys with Low Liquidus Temperature in Pt-Cu-P System. <i>Materials Transactions</i> , 2003 , 44, 1143-1146	1.3	29	
163	Al0.3CrxFeCoNi high-entropy alloys with high corrosion resistance and good mechanical properties. <i>Journal of Alloys and Compounds</i> , 2021 , 860, 158436	5.7	29	
162	Formation and properties of Ti-based TillriluffeBnBi bulk metallic glasses with different (Till-Izr)/Cu ratios for biomedical application. <i>Intermetallics</i> , 2016 , 72, 36-43	3.5	28	
161	Optimization of mechanical properties of bulk metallic glasses by residual stress adjustment using laser surface melting. <i>Scripta Materialia</i> , 2012 , 66, 1057-1060	5.6	28	
160	Towards improved integrated properties in FeCrPCB bulk metallic glasses by Cr addition. <i>Intermetallics</i> , 2015 , 61, 16-20	3.5	28	
159	Ni-free Zr-Cu-Al-Nb-Pd bulk metallic glasses with different Zr/Cu ratios for biomedical applications. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012 , 100, 1472-82	3.5	28	
158	Glass formation, corrosion behavior, and mechanical properties of novel Cr-rich CrHeMoIBI bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2015 , 625, 318-322	5.7	27	
157	Effects of minor Cu addition on glass-forming ability and magnetic properties of FePCBCu alloys with high saturation magnetization. <i>Philosophical Magazine</i> , 2013 , 93, 2182-2189	1.6	27	
156	Dry and lubricated tribological behavior of a Ni- and Cu-free Zr-based bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2015 , 426, 63-71	3.9	26	
155	In vitro investigation of MgInItaIag bulk metallic glasses for biomedical applications. <i>Journal of Non-Crystalline Solids</i> , 2015 , 427, 134-138	3.9	26	

154	Corrosion resistant Cr-based bulk metallic glasses with high strength and hardness. <i>Journal of Non-Crystalline Solids</i> , 2015 , 410, 20-25	3.9	26
153	Tribocorrosion behaviors of a biodegradable Mg65Zn30Ca5 bulk metallic glass for potential biomedical implant applications. <i>Journal of Alloys and Compounds</i> , 2018 , 745, 111-120	5.7	26
152	A Ni-free high-zirconium-based bulk metallic glass with enhanced plasticity and biocompatibility. Journal of Non-Crystalline Solids, 2013 , 376, 133-138	3.9	25
151	Synthesis and mechanical properties of TiC-reinforced Cu-based bulk metallic glass composites. <i>Scripta Materialia</i> , 2009 , 60, 84-87	5.6	25
150	Formation and evolution of nanoporous bimetallic Ag-Cu alloy by electrochemically dealloying Mg-(Ag-Cu)-Y metallic glass. <i>Corrosion Science</i> , 2017 , 119, 23-32	6.8	24
149	A centimeter-size Zr40Hf10Ti4Y1Al10Cu25Ni7Co2Fe1 bulk metallic glass with high mixing entropy designed by multi-substitution. <i>Journal of Non-Crystalline Solids</i> , 2015 , 410, 39-42	3.9	24
148	Nitrogen-doping effect on glass formation and primary phase selection in CuZrAl alloys. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5033-5037	5.7	24
147	Novel low Cu content and Ni-free Zr-based bulk metallic glasses for biomedical applications. <i>Journal of Non-Crystalline Solids</i> , 2013 , 363, 1-5	3.9	23
146	Effects of Additional Elements on the Glass Formation and Corrosion Behavior of Bulk Glassy Cu-Hf-Ti Alloys. <i>Materials Transactions</i> , 2003 , 44, 1042-1045	1.3	23
145	Glass-forming ability, crystallization kinetics, mechanical property, and corrosion behavior of ZrAlNiAg glassy alloys. <i>Journal of Alloys and Compounds</i> , 2014 , 602, 339-345	5.7	22
144	Antimicrobial behavior of Cu-bearing Zr-based bulk metallic glasses. <i>Materials Science and Engineering C</i> , 2014 , 39, 325-9	8.3	22
143	A new strategy to fabricate nanoporous iron-based metallic glasses: Selective phase tailoring of amorphous-nanocrystalline composite alloys through electrochemical dissolution. <i>Scripta Materialia</i> , 2017 , 133, 14-18	5.6	21
142	FeAIPTB bulk metallic glass with good mechanical and soft magnetic properties. <i>Journal of Alloys and Compounds</i> , 2015 , 637, 5-9	5.7	21
141	Effects of Metalloid B Addition on the Glass Formation, Magnetic and Mechanical Properties of FePCB Bulk Metallic Glasses. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 493-497	9.1	20
140	Ti Cu Zr Fe Sn Si Sc bulk metallic glasses with good mechanical properties for biomedical applications. <i>Journal of Alloys and Compounds</i> , 2016 , 679, 341-349	5.7	20
139	General synthesis of sponge-like ultrafine nanoporous metals by dealloying in citric acid. <i>Nano Research</i> , 2016 , 9, 2467-2477	10	20
138	Formation and properties of centimeter-size ZrlītītuAll bulk metallic glasses as potential biomaterials. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 389-394	5.7	20
137	Large-sized CuZr-based Bulk Metallic Glass Composite with Enhanced Mechanical Properties. Journal of Materials Science and Technology, 2014 , 30, 590-594	9.1	20

1	136	Effect of Ni addition on the glass-forming ability and soft-magnetic properties of FeNiBPNb metallic glasses. <i>Science Bulletin</i> , 2011 , 56, 3932-3936		20	
1	135	Biocompatible Zr-Al-Fe bulk metallic glasses with large plasticity. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 1664-1669	6	19	
1	134	Corrosion-fatigue study of a Zr-based bulk-metallic glass in a physiologically relevant environment. Journal of Alloys and Compounds, 2010 , 504, S159-S162	7	19	
1	133	The Influence of Similar Element Coexistence in (La-Ce)-Al-(Co-Cu) Bulk Metallic Glasses. <i>Materials Transactions</i> , 2007 , 48, 1680-1683	3	19	
1	132	Correlation between dealloying conditions and coarsening behaviors of nanoporous silver produced by chemical dealloying of Ca-Ag metallic glass. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 1600-1609	7	18	
1	131	Effects of minor Sn addition on the glass formation and properties of Fe-metalloid metallic glasses with high magnetization and high glass forming ability. <i>Journal of Magnetism and Magnetic</i> 2.8 <i>Materials</i> , 2015 , 378, 417-423	8	18	
1	130	Formation and mechanical properties of Ni-free Zr-based bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S175-S178	7	18	
1	129	Effect of Mo element on the properties of FeMoBCB bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 1444-1447	9	18	
1	128	Design and preparation of nanoporous Agtu alloys by dealloying Mg(Ag,Cu) metallic glasses for antibacterial applications. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4169-4176	3	17	
1	127	Crystallization and thermophysical properties of Cu46Zr47Al6Co1 bulk metallic glass. <i>AIP Advances</i> , 2013 , 3, 112115	5	17	
1	126	Synthesis of Fe 75 Cr 5 (PBC) 20 bulk metallic glasses with a combination of desired merits using industrial ferro-alloys without high-purity materials. <i>Journal of Alloys and Compounds</i> , 2017 , 699, 92-97	7	16	
1	125	Formation of nanoporous silver by dealloying CaAg metallic glasses in water. <i>Intermetallics</i> , 2015 , 67, 166-170	5	16	
1	124	Effects of noble elements on the glass-forming ability, mechanical property, electrochemical behavior and tribocorrosion resistance of Ni- and Cu-free Zr-Al-Co bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2017 , 725, 403-414	7	16	
1	123	Formation and High Mechanical Strength of Bulk Glassy Alloys in Zr-Al-Co-Cu System. <i>Materials Transactions</i> , 2003 , 44, 1839-1844	3	16	
1	122	Thermal stability, crystallization and soft magnetic properties of Fe-P-C-based glassy alloys. <i>Journal of Non-Crystalline Solids</i> , 2016 , 454, 39-45	9	15	
1	121	Tribological behaviors of a Ni-free Ti-based bulk metallic glass in air and a simulated physiological environment. <i>Journal of Alloys and Compounds</i> , 2018 , 766, 1030-1036	7	15	
1	1 2 0	Tuning glass formation and brittle behaviors by similar solvent element substitution in (Mn,Fe)-based bulk metallic glasses. <i>Materials Science & amp; Engineering A: Structural Materials:</i> **Properties, Microstructure and Processing, 2015 , 626, 16-26**	3	15	
1	119	Coring micron- and milli-scale holes in metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3190-34	∮ 94	15	

118	AlNiY chill-zone alloys with good mechanical properties. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 346-349	5.7	15
117	Misch metal based metallic glasses. <i>Journal of Alloys and Compounds</i> , 2008 , 450, 181-184	5.7	15
116	Isothermal crystallization kinetics of Fe75Cr5P9B4C7 metallic glass with cost-effectiveness and desirable merits. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 133, 1309-1315	4.1	14
115	In vitro responses of bone-forming MC3T3-E1 pre-osteoblasts to biodegradable Mg-based bulk metallic glasses. <i>Materials Science and Engineering C</i> , 2016 , 68, 632-641	8.3	14
114	Self-oxidized sponge-like nanoporous nickel alloy in three-dimensions with pseudocapacitive behavior and excellent capacitive performance. <i>Journal of Power Sources</i> , 2018 , 399, 192-198	8.9	14
113	Ternary LaAla bulk metallic glasses. <i>Intermetallics</i> , 2014 , 52, 92-96	3.5	14
112	Formation of Ti@r@uNiBnBi bulk metallic glasses with good plasticity. <i>Journal of Alloys and Compounds</i> , 2010 , 504, S10-S13	5.7	14
111	Chill-zone aluminum alloys with GPa strength and good plasticity. <i>Journal of Materials Research</i> , 2009 , 24, 1513-1521	2.5	14
110	Effect of the cooling rate on plastic deformability of a Zr-based bulk metallic glass. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010 , 53, 415-418	3.6	14
109	Formation, thermal stability and corrosion behavior of glassy Ti45Zr5Cu45Ni5 alloy. <i>Intermetallics</i> , 2007 , 15, 683-686	3.5	14
108	Fabrication of Bulk Glassy Hf50Cu30Ni10Al10 Alloy by Copper Mold Casting. <i>Materials Transactions</i> , 2002 , 43, 2357-2359	1.3	14
107	Tunable magnetic properties and heat-treatable bending ductility of Fe-Co-B-P-C amorphous alloys with a high saturated magnetization up to 1.79 T. <i>Journal of Alloys and Compounds</i> , 2019 , 778, 302-308	5.7	14
106	Effects of boron content on the glass-forming ability and mechanical properties of Co B Ta glassy alloys. <i>Journal of Alloys and Compounds</i> , 2014 , 617, 7-11	5.7	13
105	A study on the surface structures and properties of Ni-free Zr-based bulk metallic glasses after Ar and Ca ion implantation. <i>Intermetallics</i> , 2013 , 41, 35-43	3.5	13
104	Spray formed Al-based amorphous matrix nanocomposite plate. <i>Journal of Alloys and Compounds</i> , 2011 , 509, L169-L173	5.7	13
103	Glass-Forming Ability and Mechanical Properties of Sm-Doped Fe–Cr–Mo–C–B Glassy Alloys. <i>Materials Transactions</i> , 2005 , 46, 2949-2953	1.3	13
102	Corrosion fatigue behavior of a Mg-based bulk metallic glass in a simulated physiological environment. <i>Intermetallics</i> , 2016 , 73, 31-39	3.5	13
101	Effect of similar element substitution on Fe-B-Si-Mo bulk metallic glasses studied by experiment and ab initio molecular dynamics simulation. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 1139-1144	5.7	13

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100	Fabrication of Three-Dimensional Nanoporous Nickel by Dealloying Mg-Ni-Y Metallic Glasses in Citric Acid Solutions for High-Performance Energy Storage. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A348-A354	3.9	12	
99	Glass-forming ability, fragility parameter, and mechanical properties of Coll aB amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 576, 375-379	5.7	12	
98	Hierarchical ultrafine-grained/nanocystalline Al-based bulk alloy with high strength and large plasticity. <i>Intermetallics</i> , 2012 , 23, 199-203	3.5	12	
97	Effect of cooling rate on microstructure and mechanical properties of rapidly solidified Al-based bulk alloys. <i>Journal of Alloys and Compounds</i> , 2010 , 504, S117-S122	5.7	12	
96	Enhanced glass-forming ability of a Sm-based alloy with the addition of La. <i>Journal of Alloys and Compounds</i> , 2010 , 505, 497-500	5.7	12	
95	Corrosion behavior of a glassy Ti⊠r⊞f©uNiBi alloy. <i>Materials Science & Engineering A:</i> Structural Materials: Properties, Microstructure and Processing, 2007 , 449-451, 557-560	5.3	12	
94	Tensile plasticity in monolithic bulk metallic glass with sandwiched structure. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 724-728	5.7	12	
93	TiɑrɑuBeBnBiAgua bulk metallic glasses with good corrosion resistance as potential biomaterials. <i>Rare Metals</i> , 2020 , 39, 688-694	5.5	12	
92	Nanoporous metallic-glass electrocatalysts for highly efficient oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2021 , 852, 156876	5.7	12	
91	Formation of ultrafine spongy nanoporous metals (Ni, Cu, Pd, Ag and Au) by dealloying metallic glasses in acids with capping effect. <i>Corrosion Science</i> , 2019 , 153, 1-11	6.8	11	
90	Non-isothermal crystallization kinetics of Fe 75 Cr 5 P 9 B 4 C 7 metallic glass with a combination of desired merits. <i>Vacuum</i> , 2018 , 152, 8-14	3.7	11	
89	Glass formation and properties of Ti-based bulk metallic glasses as potential biomaterials with Nb additions. <i>Rare Metals</i> , 2018 , 37, 831-837	5.5	11	
88	Tunable magnetic and magnetocaloric properties in heavy rare-earth based metallic glasses through the substitution of similar elements. <i>Journal of Applied Physics</i> , 2014 , 115, 133903	2.5	11	
87	The influence of Ag substitution for Cu on glass-forming ability and thermal properties of Mg-based bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 1425-1429	3.9	11	
86	Glass formation, thermal properties, and elastic constants of La-Al-Co alloys. <i>Journal of Materials Research</i> , 2010 , 25, 1398-1404	2.5	11	
85	Influence of laser surface melting on glass formation and tribological behaviors of Zr55Al10Ni5Cu30 alloy. <i>Journal of Materials Research</i> , 2011 , 26, 2642-2652	2.5	11	
84	Effect of Minor Au Addition on Glass-Forming Ability and Mechanical Properties of Pd–Cu–Au–Si–P Alloys. <i>Materials Transactions</i> , 2005 , 46, 2945-2948	1.3	11	
83	Influences of laser surface melting on microstructure, mechanical properties and corrosion resistance of dual-phase CrBettoNiAl high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 826, 154100	5.7	10	

82	A TiØrØuNiØoBeAlBn amorphous filler metal for improving the strength of TiBAlØV alloy brazing joint. <i>Progress in Natural Science: Materials International</i> , 2017 , 27, 687-694	3.6	10
81	The relationship between t-ZrO2 stability and the crystallization of a Zr-based bulk metallic glass during oxidation. <i>Intermetallics</i> , 2012 , 31, 21-25	3.5	10
80	Compositional dependence of microstructure and tribological properties of plasma sprayed Fe-based metallic glass coatings. <i>Science China Technological Sciences</i> , 2012 , 55, 1335-1342	3.5	10
79	Formation and biocorrosion behavior of Zr-Al-Co-Nb bulk metallic glasses. <i>Science Bulletin</i> , 2012 , 57, 1723-1727		10
78	High-zirconium bulk metallic glasses with high strength and large ductility. <i>Science China: Physics, Mechanics and Astronomy</i> , 2013 , 56, 540-544	3.6	10
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