Yi Li

List of Publications by Year
in descending order

280	12,260	26630	32842
papers	citations	56 h-index	100 g-index

282	282	282	5934
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strain-hardening under uniaxial tension in a rejuvenated bulk metallic glass. Scripta Materialia, 2022, 212, 114572.	5.2	5
2	Rejuvenation by triaxial compression in a brittle La-based bulk metallic glass. Materials Letters, 2022, 320, 132336.	2.6	1
3	Phase stability and compressive properties of low-density (Zr50Ti35Nb15)100-xAlx high entropy alloys. Intermetallics, 2022, 148, 107622.	3.9	12
4	The effect of oxygen on phase formation in an industrial Zr based bulk metallic glass. Intermetallics, 2021, 129, 107055.	3.9	18
5	A novel nacre-like metal/metal structure by lithography and electrodeposition. Journal of Alloys and Compounds, 2021, 865, 158853.	5.5	1
6	Ultrastrong nanotwinned pure nickel with extremely fine twin thickness. Science Advances, 2021, 7, .	10.3	58
7	Breakdown of the Hall-Petch relationship in extremely fine nanograined body-centered cubic Mo alloys. Acta Materialia, 2021, 213, 116950.	7.9	30
8	Hierarchical crack buffering triples ductility in eutectic herringbone high-entropy alloys. Science, 2021, 373, 912-918.	12.6	304
9	High-throughput screening of critical size of grain growth in gradient structured nickel. Journal of Materials Science and Technology, 2021, 82, 33-39.	10.7	7
10	Effect of alloying oxygen on the microstructure and mechanical properties of Zr-based bulk metallic glass. Acta Materialia, 2021, 220, 117345.	7.9	33
11	Oxygen impurity improving corrosion resistance of a Zr-based bulk metallic glass in 3.5Âwt% NaCl solution. Corrosion Science, 2021, 192, 109867.	6.6	22
12	A precipitate-free AlCoFeNi eutectic high-entropy alloy with strong strain hardening. Journal of Materials Science and Technology, 2021, 89, 88-96.	10.7	35
13	Dual-gradient structure leads to optimized combination of high fracture resistance and strength-ductility synergy with minimized final catastrophic failure. Journal of Materials Research and Technology, 2021, 15, 901-910.	5.8	7
14	On the exceptional damage-tolerance of gradient metallic materials. Materials Today, 2020, 32, 94-107.	14.2	89
15	Effect of Yttrium addition on magnetocaloric properties of Gd-Co-Al-Ho high entropy metallic glasses. Journal of Non-Crystalline Solids, 2020, 549, 120354.	3.1	19
16	Crystallization behavior of an Au based metallic glass at high temperature. Journal of Alloys and Compounds, 2020, 835, 155245.	5.5	4
17	Strain-hardening and suppression of shear-banding in rejuvenated bulk metallic glass. Nature, 2020, 578, 559-562.	27.8	203
18	A grain-size-dependent structure evolution in gradient-structured (GS) Ni under tension. Nano Materials Science, 2020, 2, 39-49.	8.8	17

#	Article	IF	Citations
19	On the impact toughness of gradient-structured metals. Acta Materialia, 2020, 193, 125-137.	7.9	70
20	Mechanical properties and optimum layer thickness in an amorphous Niâ€“P/coarse-grained Ni bi-layered structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 760, 458-468.	5.6	18
21	Phase stability of B2-ordered ZrTiHfCuNiFe high entropy alloy. Intermetallics, 2019, 111, 106515.	3.9	27
22	Significant structural relaxation in a Mo O binary amorphous alloy. Journal of Non-Crystalline Solids, 2019, 514, 10-14.	3.1	3
23	Effect of Ta particles on the fracture behavior of notched bulk metallic glass composites. Intermetallics, 2019, 106, 1-6.	3.9	5
24	Voronoi volume recovery during plastic deformation in deep-notched metallic glasses. Journal of Alloys and Compounds, 2019, 776, 460-468.	5.5	11
25	The effects of W content on solid-solution strengthening and the critical Hall-Petch grain size in Ni-W alloy. Surface and Coatings Technology, 2019, 357, 23-27.	4.8	27
26	Extreme rejuvenation and softening in a bulk metallic glass. Nature Communications, 2018, 9, 560.	12.8	186
27	Mechanical properties and optimal grain size distribution profile of gradient grained nickel. Acta Materialia, 2018, 153, 279-289.	7.9	161
28	Effect of amorphous layer thickness on the tensile behavior of bulk-sized amorphous Ni-P/crystalline Ni laminates. Materials Letters, 2018, 218, 150-153.	2.6	15
29	Glass formation adjacent to the intermetallic compounds in Cu-Zr binary system. Journal of Materials Science and Technology, 2018, 34, 605-612.	10.7	25
30	Local atomic structures of amorphous Pd₈₀Si₂₀ alloys and their configuration heredity in the rapid solidification. Philosophical Magazine, 2018, 98, 2861-2877.	1.6	9
31	Influence of oxygen on the glass formation of Moâ€“O binary alloys. Journal of Non-Crystalline Solids, 2018, 500, 210-216.	3.1	7
32	Three-Dimensional High-Entropy Alloyâ€“Polymer Composite Nanolattices That Overcome the Strengthâ€“Recoverability Trade-off. Nano Letters, 2018, 18, 4247-4256.	9.1	108
33	Crystallization kinetics of an Au-based metallic glass upon ultrafast heating and cooling. Scripta Materialia, 2017, 132, 58-62.	5.2	38
34	Conversion of isothermal and isochronal crystallization in a supercooled liquid through additivity rule. Intermetallics, 2017, 86, 73-79.	3.9	10
35	Ductile fracture in notched bulk metallic glasses. Acta Materialia, 2017, 136, 126-133.	7.9	72
36	Functionally Graded Tiâ€6Alâ€4V Meshes with High Strength and Energy Absorption. Advanced Engineering Materials, 2016, 18, 34-38.	3.5	98

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37	Thermoelasticity of Fe₇C₃ under inner core conditions. Journal of Geophysical Research: Solid Earth, 2016, 121, 5828-5837.	3.4	28
38	Co-existence of homogeneous flow and localized plastic deformation in tension of amorphous Niâ€“P films on ductile substrate. Acta Materialia, 2016, 106, 182-192.	7.9	27
39	Origin of anomalous inverse notch effect in bulk metallic glasses. Journal of the Mechanics and Physics of Solids, 2015, 84, 85-94.	4.8	67
40	Glass formation, microstructure evolution and mechanical properties of Zr41.2Ti13.8Cu12.5Ni10Be22.5 and its surrounding alloys. Acta Materialia, 2014, 73, 194-204.	7.9	11
41	Densification and Strain Hardening of a Metallic Glass under Tension at Room Temperature. Physical Review Letters, 2013, 111, 135504.	7.8	131
42	Understanding Long-Term Cycling Performance of Li_{1.2}Ni_{0.15}Mn_{0.55}Co_{0.1}O₂â€“Graphite Lithium-Ion Cells. Journal of the Electrochemical Society, 2013, 160, A3006-A3019.	2.9	159
43	Synthesis of amorphous alloys and amorphousâ€“crystalline composites in ternary Niâ€“Nbâ€“Zr system by ion beam mixing. Materials Chemistry and Physics, 2013, 141, 960-966.	4.0	6
44	Magnetic properties, microstructure and corrosion behavior of Nd10Y1Fe85â^'xNb3.5Ti0.5Bx (x=14â€“22) and Nd10Y1Fe69Nb3.5M0.5B16 (M=Ti, Zr, Cr, Mo) bulk nanocrystalline magnets. Journal of Alloys and Compounds, 2013, 555, 16-21.	5.5	12
45	Innovative approach to the design of low-cost Zr-based BMG composites with good glass formation. Scientific Reports, 2013, 3, 2097.	3.3	45
46	Gradient Confinement Induced Uniform Tensile Ductility in Metallic Glass. Scientific Reports, 2013, 3, 3319.	3.3	32
47	Effect of temperature on the yield strength of a binary CuZr metallic glass: Stress-induced glass transition. Intermetallics, 2012, 26, 162-165.	3.9	12
48	Molecular dynamics studies of short to medium range order in Cu64Zr36 metallic glass. Journal of Alloys and Compounds, 2011, 509, 8319-8322.	5.5	29
49	Compositional dependence of Youngâ€™s moduli for amorphous Cuâ€“Zr films measured using combinatorial deposition on microscale cantilever arrays. Scripta Materialia, 2011, 64, 41-44.	5.2	22
50	The correlation between glass formation and hardness of the amorphous phase. Scripta Materialia, 2011, 65, 747-750.	5.2	18
51	The fundamental structural factor in determining the glass-forming ability and mechanical behavior in the Cuâ€“Zr metallic glasses. Materials Chemistry and Physics, 2011, 127, 292-295.	4.0	16
52	Softening and dilatation in a single shear band. Acta Materialia, 2011, 59, 5146-5158.	7.9	195
53	Correlation between supercooled liquid region and crystallization behavior with alloy composition of La-Al-Cu metallic glasses. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1608-1611.	5.1	2
54	Atomic Scale Fluctuations Govern Brittle Fracture and Cavitation Behavior in Metallic Glasses. Physical Review Letters, 2011, 107, 215501.	7.8	177

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55	The effect of various transition metals on glass formation in ternary La-TM-Al (TM = Co, Ni, Cu) alloys. Journal of Materials Research, 2011, 26, 992-996.	2.6	4
56	Role of structure and rare earth (RE) elements on the corrosion of magnesium (Mg) alloys. , 2011, , 166-206.		1
57	Statistical composition-structure-property correlation and glass-forming ability based on the full icosahedra in Cuâ€“Zr metallic glasses. Applied Physics Letters, 2010, 96, .	3.3	83
58	Fe-based bulk metallic glass matrix composite with large plasticity. Scripta Materialia, 2010, 62, 329-332.	5.2	160
59	Glass formation enhanced by oxygen in binary Zrâ€“Cu system. Scripta Materialia, 2010, 62, 682-685.	5.2	47
60	Micro-back-extrusion of a bulk metallic glass. Scripta Materialia, 2010, 63, 469-472.	5.2	17
61	Density change upon crystallization of amorphous Zrâ€“Cuâ€“Al thin films. Acta Materialia, 2010, 58, 3633-3641.	7.9	14
62	The multi-axial deformation behavior of bulk metallic glasses at high homologous temperatures. International Journal of Solids and Structures, 2010, 47, 678-690.	2.7	26
63	Effect of frame stiffness on the deformation behavior of bulk metallic glass. Journal of Materials Research, 2010, 25, 1958-1962.	2.6	12
64	The basic polyhedral clusters, the optimum glass formers, and the composition-structure-property (glass-forming ability) correlation in Cuâ€“Zr metallic glasses. Journal of Applied Physics, 2010, 107, .	2.5	38
65	The critical cooling rate and microstructure evolution of Zr41.2Ti13.8Cu12.5Ni10Be22.5 composites by Bridgman solidification. Intermetallics, 2010, 18, 115-118.	3.9	11
66	Multiple maxima in glass-forming ability in Alâ€“Zrâ€“Ni system. Journal of Alloys and Compounds, 2010, 489, 183-187.	5.5	12
67	Cold versus hot shear banding in bulk metallic glass. Physical Review B, 2009, 80, .	3.2	145
68	A model of atom dense packing for metallic glasses with high-solute concentration. Applied Physics Letters, 2009, 94, .	3.3	13
69	Bulk metallic glass formation near intermetallic composition through liquid quenching. Applied Physics Letters, 2009, 95, 011906.	3.3	25
70	Cooperative shear and catastrophic fracture of bulk metallic glasses from a shear-band instability perspective. Journal of Materials Research, 2009, 24, 3620-3627.	2.6	20
71	Bulk metallic glass formation, composite, and magnetic propertiesof Fe-B-Nd based alloys. Journal of Materials Research, 2009, 24, 357-371.	2.6	7
72	A three-parameter Weibull statistical analysis of the strength variation of bulk metallic glasses. Scripta Materialia, 2009, 61, 923-926.	5.2	51

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73	Characterizations of Alâ€“Y thin film composite anode materials for lithium-ion batteries. Electrochemistry Communications, 2009, 11, 1179-1182.	4.7	26
74	An instability index of shear band for plasticity in metallic glasses. Acta Materialia, 2009, 57, 1367-1372.	7.9	182
75	Optimal glass-forming composition and its correlation with eutectic reaction in the Tiâ€“Niâ€“Al ternary system. Journal of Alloys and Compounds, 2009, 467, 261-267.	5.5	17
76	Calculation of crystallization start line for Zr48Cu45Al7 bulk metallic glass at a high heating and cooling rate. Journal of Alloys and Compounds, 2009, 484, 698-701.	5.5	17
77	Atomic structure of Zrâ€“Cu glassy alloys and detection of deviations from ideal solution behavior with Al addition by x-ray diffraction using synchrotron light in transmission. Applied Physics Letters, 2009, 94, 191912.	3.3	55
78	Glass forming abilities of binary Cu100â^'xZrx (34, 35.5, and 38.2â€‚at.â€‰%) metallic glasses: A LAMMPS study. Journal of Applied Physics, 2009, 105, .	2.5	42
79	Matching Glass-Forming Ability with the Density of the Amorphous Phase. Science, 2008, 322, 1816-1819.	12.6	321
80	Strength, plasticity and brittleness of bulk metallic glasses under compression: statistical and geometric effects. Philosophical Magazine, 2008, 88, 71-89.	1.6	180
81	Shear band melting and serrated flow in metallic glasses. Applied Physics Letters, 2008, 93, .	3.3	109
82	Correlations between apparent activation energy and thermostability and glass forming ability for Fe based metallic glasses. Journal of Non-Crystalline Solids, 2008, 354, 970-974.	3.1	7
83	Influence of TM and RE elements on glass formation of the ternary Alâ€“TMâ€“RE systems. Journal of Non-Crystalline Solids, 2008, 354, 3473-3479.	3.1	35
84	A new composition zone of bulk metallic glass formation in the Cuâ€“Zrâ€“Ti ternary system and its correlation with the eutectic reaction. Journal of Non-Crystalline Solids, 2008, 354, 3659-3665.	3.1	27
85	Composition effects on glass-forming ability and its indicator Î³. Intermetallics, 2008, 16, 410-417.	3.9	14
86	Stress gradient enhanced plasticity in a monolithic bulk metallic glass. Intermetallics, 2008, 16, 1190-1198.	3.9	57
87	Phase-Change Materials in Optically Triggered Microactuators. Journal of Microelectromechanical Systems, 2008, 17, 1094-1103.	2.5	11
88	Electrochemical Properties of Nanostructured Al[sub 1â^'x]Cu[sub x] Alloys as Anode Materials for Rechargeable Lithium-Ionâ€‰Batteries. Journal of the Electrochemical Society, 2008, 155, A615.	2.9	31
89	Publisherâ€™s Note: Electrochemical Properties of Nanostructured Al[sub 1â^'x]Cu[sub x] Alloys as Anode Materials for Rechargeable Lithium-Ionâ€‰Batteries [J. Electrochem. Soc., 155, A615 (2008)]. Journal of the Electrochemical Society, 2008, 155, S10.	2.9	2
90	The influence of Nb and Zr on glass-formation ability in the ternary Feâ€“Nbâ€“B and Feâ€“Zrâ€“B and quaternary Feâ€“(Nb,Zr)â€“B alloy systems. Journal of Materials Research, 2008, 23, 392-401.	2.6	29

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91	Size-dependent â€œmalleable-to-brittleâ€•transition in a bulk metallic glass. Applied Physics Letters, 2008, 93, .	3.3	44
92	Crystallization-induced stress in thin phase change films of different thicknesses. Applied Physics Letters, 2008, 93, 221907.	3.3	21
93	Invariant critical stress for shear banding in a bulk metallic glass. Applied Physics Letters, 2008, 93, 231912.	3.3	26
94	Ductile Feâ€“Nbâ€“B bulk metallic glass with ultrahigh strength. Applied Physics Letters, 2008, 92, .	3.3	99
95	High tensile strength reliability in a bulk metallic glass. Applied Physics Letters, 2008, 92, 041905.	3.3	38
96	Formation of Bulk Metallic Glasses and Their Composites. MRS Bulletin, 2007, 32, 624-628.	3.5	100
97	Homogeneous flow of bulk metallic glass composites with a high volume fraction of reinforcement. Journal of Materials Research, 2007, 22, 1564-1573.	2.6	25
98	Geometry-sensitive plasticity of a monolithic bulk metallic glass. Materials Research Society Symposia Proceedings, 2007, 1048, 6.	0.1	0
99	Effect of liquidus temperature depression on glass forming ability criteria for Laâ€“Alâ€“(Cu,Ni) alloys. Intermetallics, 2007, 15, 744-748.	3.9	8
100	Quaternary Fe-based bulk metallic glasses with a diameter of 5mm. Intermetallics, 2007, 15, 1447-1452.	3.9	32
101	Glass formation and microstructure evolution in Alâ€“Niâ€“RE (REâ€‰=â€‰La, Ce, Pr, Nd and misch metal) ternary systems. Philosophical Magazine, 2007, 87, 4211-4228.	1.6	31
102	Temperature, strain rate and reinforcement volume fraction dependence of plastic deformation in metallic glass matrix composites. Acta Materialia, 2007, 55, 3059-3071.	7.9	52
103	Parameters governing glass formation: A view from phase selection. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 63-65.	5.6	2
104	Glass formability and structural stability of Al-based alloy systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 273-276.	5.6	32
105	Mechanical properties of metallic glass matrix composites: Effects of reinforcement character and connectivity. Scripta Materialia, 2007, 56, 617-620.	5.2	49
106	Feâ€“Ndâ€“B-based hard magnets from bulk amorphous precursor. Scripta Materialia, 2007, 56, 943-946.	5.2	75
107	Laser welding of Zr45Cu48Al7 bulk glassy alloy. Journal of Alloys and Compounds, 2006, 413, 118-121.	5.5	108
108	Strong composition-dependence on glass-forming ability in Niâ€“(Ti,Zr)â€“Si pseudo-ternary alloys. Journal of Alloys and Compounds, 2006, 422, 86-91.	5.5	3

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109	Composition optimization of the NiZrYAl glass forming alloys. Journal of Alloys and Compounds, 2006, 424, 307-310.	5.5	1
110	Glass formation in the ternary Zrâ€“Zr2Cuâ€“Zr2Ni system. Journal of Non-Crystalline Solids, 2006, 352, 832-836.	3.1	14
111	Glass forming ability criteria for Laâ€“Alâ€“(Cu,Ni) alloys. Journal of Non-Crystalline Solids, 2006, 352, 5482-5486.	3.1	10
112	A study of the glass forming ability in ZrNiAl alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 441, 106-111.	5.6	28
113	A new centimeterâ€“diameter Cu-based bulk metallic glass. Scripta Materialia, 2006, 54, 1403-1408.	5.2	115
114	A new Cuâ€“Hfâ€“Al ternary bulk metallic glass with high glass forming ability and ductility. Scripta Materialia, 2006, 54, 2165-2168.	5.2	92
115	Improving glass-forming ability of Mgâ^'Cuâ^'Y via substitutional alloying: Effects of Ag versus Ni. Journal of Materials Research, 2006, 21, 2204-2214.	2.6	27
116	On secondary dendrite arm coarsening in peritectic solidification. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 390, 52-62.	5.6	42
117	Microstructure control and ductility improvement of Laâ€“Alâ€“(Cu,Ni) composites by Bridgman solidification. Acta Materialia, 2005, 53, 2607-2616.	7.9	59
118	Multiple maxima of GFA in three adjacent eutectics in Zrâ€“Cuâ€“Al alloy system â€“ A metallographic way to pinpoint the best glass forming alloys. Acta Materialia, 2005, 53, 2969-2979.	7.9	225
119	The effect of Y on glass forming ability. Scripta Materialia, 2005, 53, 183-187.	5.2	44
120	Bulk metallic glasses: Eutectic coupled zone and amorphous formation. Jom, 2005, 57, 60-63.	1.9	50
121	Pinpoint the Best Glass Forming Alloy by Microstructure Study in Cu₈Zr₃-Cu₁₀Zr₇ Eutectic System of Cu-Zr Binary System. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 287-290.	0.1	2
122	Contributions to the homogeneous plastic flow of in situ metallic glass matrix composites. Applied Physics Letters, 2005, 87, 241904.	3.3	10
123	Discovering inch-diameter metallic glasses in three-dimensional composition space. Applied Physics Letters, 2005, 87, 181915.	3.3	203
124	Doubling the Critical Size for Bulk Metallic Glass Formation in the Mgâ€“Cuâ€“Y Ternary System. Journal of Materials Research, 2005, 20, 2252-2255.	2.6	84
125	Effect of residual shear bands on serrated flow in a metallic glass. Materials Letters, 2005, 59, 3325-3329.	2.6	16
126	Strategy for pinpointing the best glass-forming alloys. Applied Physics Letters, 2005, 86, 191906.	3.3	88

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127	Initiation of discontinuous precipitation at interphase boundaries in a two-phase Znâ€“6.3â€‰at.%â€‰Ag alloy. Philosophical Magazine, 2004, 84, 1773-1787.	1.6	1
128	High-performance bulk Ti-Cu-Ni-Sn-Ta nanocomposites based on a dendrite-eutectic microstructure. Journal of Materials Research, 2004, 19, 2557-2566.	2.6	36
129	MAGNETOELASTIC NANOCRYSTALLINE Coâ€“Ni ALLOYS. International Journal of Nanoscience, 2004, 03, 615-623.	0.7	2
130	Co dependence of Curie temperature in amorphous Feâ€“Coâ€“Zrâ€“Bâ€“Nb alloys with high glass-forming ability. Journal of Physics Condensed Matter, 2004, 16, 6325-6334.	1.8	6
131	Synthesis of in situ bulk glass matrix composite in by Bridgman method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 407-410.	5.6	8
132	Cellular growth of Zn-rich Znâ€“Ag alloys processed by rapid solidification. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 373, 139-145.	5.6	16
133	Characterization of mechanical properties of a Zr-based metallic glass by indentation techniques. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 384, 215-223.	5.6	63
134	Bulk Glass Formation of 12 mm Rod in Laâ€“Cuâ€“Niâ€“Al Alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 436-439.	5.6	29
135	Shear band spacing under bending of Zr-based metallic glass plates. Acta Materialia, 2004, 52, 2429-2434.	7.9	236
136	Effect of a controlled volume fraction of dendritic phases on tensile and compressive ductility in La-based metallic glass matrix composites. Acta Materialia, 2004, 52, 4121-4131.	7.9	222
137	Combining Ab Initio Computation with Experiments for Designing New Electrode Materials for Advanced Lithium Batteries: LiNi[sub 1/3]Fe[sub 1/6]Co[sub 1/6]Mn[sub 1/3]O[sub 2]. Journal of the Electrochemical Society, 2004, 151, A1134.	2.9	58
138	Bulk metallic glass formation in the binary Cuâ€“Zr system. Applied Physics Letters, 2004, 84, 4029-4031.	3.3	466
139	Boron content dependence of crystallization, glass forming ability and magnetic properties in amorphous Fe-Zr-B-Nb alloys. Journal of Alloys and Compounds, 2004, 370, 1-7.	5.5	18
140	Glass transition and crystallization of Mgâ€“Niâ€“Nd metallic glasses studied by temperature-modulated DSC. Intermetallics, 2004, 12, 869-874.	3.9	22
141	Effect of micro-structural changes on mechanical properties of La66Al14(Cu, Ni)20 amorphous and crystalline alloys. Intermetallics, 2004, 12, 1279-1283.	3.9	4
142	Synthesis of a La-based bulk metallic glass matrix composite. Philosophical Magazine Letters, 2004, 84, 53-61.	1.2	4
143	Corrosion behavior of melt-spun Mg65Ni20Nd15 and Mg65Cu25Y10 metallic glasses. Electrochimica Acta, 2003, 48, 2641-2650.	5.2	45
144	Passivity behavior of melt-spun Mgâ€“Y Alloys. Electrochimica Acta, 2003, 48, 4197-4204.	5.2	93

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145	Glass forming ability and in-situ composite formation in Pd-based bulk metallic glasses. Acta Materialia, 2003, 51, 561-572.	7.9	76
146	Optimum glass formation at off-eutectic composition and its relation to skewed eutectic coupled zone in the La based Laâ€“Alâ€“(Cu,Ni) pseudo ternary system. Acta Materialia, 2003, 51, 4551-4561.	7.9	169
147	Effects of high boron content on crystallization, forming ability and magnetic properties of amorphous Fe91â^'xZr5BxNb4 alloy. Journal of Non-Crystalline Solids, 2003, 332, 43-52.	3.1	32
148	Direct observation of a concealed glass transition in a Mgâ€“Niâ€“Nd metallic glass. Applied Physics Letters, 2003, 82, 862-864.	3.3	10
149	Frequency-dependent complex modulus at the glass transition inPd40Ni10Cu30P20bulk amorphous alloys. Physical Review B, 2003, 67, .	3.2	20
150	Correlations between the glass transition, crystallization, apparent activation energy and glass forming ability in Fe based amorphous alloys. Journal of Physics Condensed Matter, 2003, 15, 7617-7623.	1.8	12
151	Glass-forming tendency of bulk Laâ€“Alâ€“Niâ€“Cuâ€“(Co) metallic glass-forming liquids. Journal of Applied Physics, 2003, 93, 286-290.	2.5	76
152	Microstructure and mechanical properties of a partially crystallized La-based bulk metallic glass. Philosophical Magazine, 2003, 83, 1747-1760.	1.6	81
153	Glass-forming ability of Prâ€“(Cu,Ni)â€“Al alloys in eutectic system. Journal of Materials Research, 2003, 18, 664-671.	2.6	21
154	Correlation between Glass Formation and Type of Eutectic Coupled Zone in Eutectic Alloys. Materials Transactions, 2003, 44, 2007-2010.	1.2	17
155	Dependence of pulsed-laser deposition parameters on the microstructure and magnetic property of Ndâ€“Feâ€“B thin films grown at high substrate temperature. Journal of Applied Physics, 2002, 91, 4666-4671.	2.5	6
156	Deformation and Failure of Zr₅₇Ti₅Cu₂₀Ni₈Al₁₀ Bulk Metallic Glass Under Quasi-static and Dynamic Compression. Journal of Materials Research, 2002, 17, 1441-1445.	2.6	172
157	Mechanical Properties of La-based Bulk Amorphous Alloys and Composites. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
158	The eutectic point in Pr-rich Prâ€“Cuâ€“Al ternary alloys. Journal of Alloys and Compounds, 2002, 333, 113-117.	5.5	4
159	Study of frequency dependence modulus of bulk amorphous alloys around the glass transition by dynamic mechanical analysis. Intermetallics, 2002, 10, 1061-1064.	3.9	30
160	Strain rate-dependent deformation in bulk metallic glasses. Intermetallics, 2002, 10, 1177-1182.	3.9	121
161	Synthesis of La-based in-situ bulk metallic glass matrix composite. Intermetallics, 2002, 10, 1203-1205.	3.9	54
162	Correlation of chemical element properties and additive behaviors of ternary zinc compounds. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2002, 26, 55-62.	1.6	1

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163	SynthÃ¨se de composites Ã matrice de verre mÃ©tallique massif renforcÃ©e par une phase cristalline dans des alliages de lanthane et de palladium. Annales De Chimie: Science Des Materiaux, 2002, 27, 119-124.	0.4	7
164	Embrittlement of a bulk metallic glass due to low-temperature annealing. Scripta Materialia, 2002, 47, 107-111.	5.2	158
165	Magnetic properties and magnetic entropy change of amorphous and crystalline GdNiAl ribbons. Applied Physics A: Materials Science and Processing, 2002, 75, 535-539.	2.3	42
166	A structural, magnetic and microwave study on mechanically milled Fe-based alloy powders. Journal of Magnetism and Magnetic Materials, 2002, 247, 249-256.	2.3	50
167	Rapid solidification behavior of Zn-rich Znâ€“Ag peritectic alloys. Acta Materialia, 2002, 50, 183-193.	7.9	21
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