

# Akihisa Inoue

## List of Publications by Year in descending order

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912  
papers

54,387  
citations

2197

102  
h-index

2584

201  
g-index

925  
all docs

925  
docs citations

925  
times ranked

12192  
citing authors

#	ARTICLE	IF	CITATIONS
1	Soft Magnetic Materials. , 2022, , 10-23.		25
2	Microstructure and mechanical properties of TC4 joints brazed with Tiâ€“Zrâ€“Cuâ€“Sn amorphous filler alloy. Rare Metals, 2021, 40, 1881-1889.	3.6	8
3	Zr55Al10Ni5Cu30 amorphous alloy film prepared by magnetron sputtering method. Rare Metals, 2021, 40, 2237-2243.	3.6	6
4	Structural homology of the strength for metallic glasses. Journal of Materials Science and Technology, 2021, 81, 123-130.	5.6	8
5	Highly efficient nanoporous CoBP electrocatalyst for hydrogen evolution reaction. Rare Metals, 2021, 40, 1031-1039.	3.6	42
6	Dual-phase nanostructuring as a route to flexible nanoporous metals with outstanding comprehensive mechanical properties. Science China Materials, 2021, 64, 2289-2304.	3.5	16
7	Graphene and Carbon Nanotubes Fibrous Composite Decorated with PdMg Alloy Nanoparticles with Enhanced Absorptionâ€“Desorption Kinetics for Hydrogen Storage Application. Nanomaterials, 2021, 11, 2957.	1.9	2
8	Preparation of nanoporous Sn-doped TiO2 anode material for lithium-ion batteries by a simple dealloying method. Ionics, 2020, 26, 4363-4372.	1.2	8
9	Introduction to Amorphous Alloys and Metallic Glasses. , 2019, , 3-22.		0
10	Highly Efficient and Self-Standing Nanoporous NiO/Al<sub>3</sub>/sub>Ni<sub>2</sub>/sub> Electrocatalyst for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 7913-7922.	2.5	38
11	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. Applied Catalysis B: Environmental, 2019, 246, 156-165.	10.8	75
12	Recent Topics on the Structure and Crystallization of Al-based Glassy Alloys. Materials Research, 2019, 22, .	0.6	18
13	Static and Dynamic Thermal Properties of a Pd40Ni40Si20 Glassy Alloy. Metals, 2019, 9, 1157.	1.0	0
14	A nanoporous metal phosphide catalyst for bifunctional water splitting. Journal of Materials Chemistry A, 2018, 6, 5574-5579.	5.2	106
15	Influence of laser surface melting treatment on the surface composition and mechanical properties of a Zr65Al7.5Ni10Cu12.5Ag5 bulk metallic glass. Journal of Non-Crystalline Solids, 2018, 488, 63-68.	1.5	6
16	Ductile Fe-based bulk metallic glasses at room temperature. Materials Science and Technology, 2018, 34, 751-756.	0.8	10
17	Features and Prospects of Multicomponent Metallic Glasses. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 37-44.	0.1	0
18	Synthesis of Br-doped TiO2 hollow spheres with enhanced photocatalytic activity. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	17

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19	A highly efficient electrocatalyst based on amorphous Pd-Cu-S material for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18793-18800.	5.2	70
20	Synthesis of nanoporous CuO/TiO <sub>2</sub> /Pd-NiO composite catalysts by chemical dealloying and their performance for methanol and ethanol electro-oxidation. <i>Journal of Power Sources</i> , 2017, 362, 10-19.	4.0	56
21	The Development of Structure Model in Metallic Glasses. <i>Materials Research</i> , 2017, 20, 326-338.	0.6	13
22	Extraordinary magnetocaloric effect of Fe-based bulk glassy rods by combining fluxing treatment and J-quenching technique. <i>Journal of Alloys and Compounds</i> , 2016, 684, 29-33.	2.8	31
23	Novel bioactive Fe-based metallic glasses with excellent apatite-forming ability. <i>Materials Science and Engineering C</i> , 2016, 69, 513-521.	3.8	27
24	Nanoporous CuS with excellent photocatalytic property. <i>Scientific Reports</i> , 2016, 5, 18125.	1.6	117
25	Bulk Glassy Alloys: Historical Development and Current Research. <i>Engineering</i> , 2015, 1, 185-191.	3.2	58
26	Effects of Metallic Glass Precursors on the Catalytic Performance of Nanoporous Metals. <i>Materials Research</i> , 2015, 18, 110-114.	0.6	0
27	Development and Applications of Highly Functional Al-based Materials by Use of Metastable Phases. <i>Materials Research</i> , 2015, 18, 1414-1425.	0.6	37
28	Multicomponent nanoporous metals prepared by dealloying Pd <sub>80</sub> Ni <sub>x</sub> P <sub>20</sub> metallic glasses. <i>Intermetallics</i> , 2015, 61, 66-71.	1.8	18
29	Syntheses and corrosion behaviors of Fe-based amorphous soft magnetic alloys with high-saturation magnetization near 1.7 T. <i>Journal of Materials Research</i> , 2015, 30, 547-555.	1.2	46
30	Preparation and electrocatalytic performance of the Pt supported on the alkali-treated nanoporous TiO <sub>2</sub> material. <i>Ionics</i> , 2015, 21, 2863-2869.	1.2	2
31	Pd-Based Multicomponent Nanoporous Metals with Enhanced Electrocatalytic Performance Prepared by Dealloying Metallic Glass. <i>Rare Metal Materials and Engineering</i> , 2015, 44, 54-57.	0.8	4
32	Effects of Minor Additions on Ni- and Be-Free Ti-Based Bulk Glassy Alloys. <i>Materials Science Forum</i> , 2015, 833, 79-84.	0.3	1
33	Pronounced enhancement of glass-forming ability of Fe-Si-B-P bulk metallic glass in oxygen atmosphere. <i>Journal of Materials Research</i> , 2014, 29, 1217-1222.	1.2	27
34	Enzyme-Free Electrochemical Glucose Sensors Prepared by Dealloying Pd-Ni-P Metallic Glasses. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-6.	1.0	0
35	Zr-based bulk metallic glass composite with in situ precipitated nanocrystals. <i>Journal of Alloys and Compounds</i> , 2014, 586, 155-158.	2.8	15
36	Origin of abnormal glass transition behavior in metallic glasses. <i>Intermetallics</i> , 2014, 49, 52-56.	1.8	14

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37	Surface modified Ti based metallic glasses for bioactivation by electrochemical treatment technique. <i>Journal of Alloys and Compounds</i> , 2014, 615, S136-S141.	2.8	5
38	Soft magnetic properties and microstructure of Fe <sub>84</sub> Nb <sub>2</sub> B <sub>14</sub> Cu nanocrystalline alloys. <i>Materials &amp; Design</i> , 2014, 56, 227-231.	5.1	47
39	Mechanical properties and structural features of novel Fe-based bulk metallic glasses with unprecedented plasticity. <i>Scientific Reports</i> , 2014, 4, 6233.	1.6	118
40	Composition Effect on Intrinsic Plasticity or Brittleness in Metallic Glasses. <i>Scientific Reports</i> , 2014, 4, 5733.	1.6	23
41	A new CoFe-based bulk metallic glasses with high thermoplastic forming ability. <i>Scripta Materialia</i> , 2013, 69, 553-556.	2.6	21
42	Effects of pulse voltage on the formation of nanoporous Ti oxides by dealloying amorphous TiCu alloy. <i>Journal of Physics: Conference Series</i> , 2013, 417, 012022.	0.3	1
43	A novel Ti-based nanoglass composite with submicron-scale nanometer-sized hierarchical structures to modulate osteoblast behaviors. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2568.	2.9	59
44	Bulk Metallic Glasses. <i>Handbook of Magnetic Materials</i> , 2013, 21, 131-171.	0.6	41
45	Fabrication of nanodot array mold with 2 Tdot/in.2 for nanoimprint using metallic glass. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012, 30, .	0.6	12
46	Effect of Minor Sn Additions on the Formation and Properties of TiCuZrPd Bulk Glassy Alloy. <i>Materials Transactions</i> , 2012, 53, 500-503.	0.4	32
47	Interface Microstructure and Mechanical Properties of Dissimilar Friction Stir Welded Joints between Zr <sub>55</sub> Cu <sub>30</sub> Ni <sub>5</sub> Al <sub>10</sub> Bulk Metallic Glass and Pure Al. <i>Materials Transactions</i> , 2012, 53, 1106-1112.	0.4	2
48	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> , 2012, 103, 1102-1107.	0.1	1
49	The world's biggest glassy alloy ever made. <i>Intermetallics</i> , 2012, 30, 19-24.	1.8	154
50	Interpreting temperature evolution of a bulk-metallic glass during cyclic loading through spatial-temporal modeling. <i>Intermetallics</i> , 2012, 29, 1-13.	1.8	4
51	Ni-free Ti-based bulk metallic glass with potential for biomedical applications produced by spark plasma sintering. <i>Intermetallics</i> , 2012, 29, 99-103.	1.8	61
52	Excellent capability in degrading azo dyes by MgZn-based metallic glass powders. <i>Scientific Reports</i> , 2012, 2, 418.	1.6	117
53	Atomic structure changes and phase transformation behavior in Pd-Si bulk glass-forming alloy. <i>Intermetallics</i> , 2012, 20, 135-140.	1.8	15
54	SiC dispersed Fe-based glassy composite cores produced by spark plasma sintering and their high frequency magnetic properties. <i>Intermetallics</i> , 2012, 20, 76-81.	1.8	22

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55	Structural relaxation and crystallization processes in Cu <sub>55</sub> Hf <sub>25</sub> Ti <sub>15</sub> Pd <sub>5</sub> metallic glassy alloy. <i>Intermetallics</i> , 2012, 23, 177-181.	1.8	10
56	Enhancement of glass-forming ability of FeSiBP bulk glassy alloys with good soft-magnetic properties and high corrosion resistance. <i>Journal of Alloys and Compounds</i> , 2012, 533, 67-70.	2.8	32
57	Ni- and Be-free Zr-based bulk metallic glasses with high glass-forming ability and unusual plasticity. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 13, 166-173.	1.5	20
58	Glass formability and the Al–Au system. <i>Philosophical Magazine</i> , 2012, 92, 655-665.	0.7	26
59	Formation of Metallic Glass Nanowires by Gas Atomization. <i>Nano Letters</i> , 2012, 12, 2404-2407.	4.5	51
60	Rapid Degradation of Azo Dye by Fe-Based Metallic Glass Powder. <i>Advanced Functional Materials</i> , 2012, 22, 2567-2570.	7.8	259
61	Structural Relaxation, Glass Transition, Viscous Formability, and Crystallization of Zr-Cu-Based Bulk Metallic Glasses on Heating. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 2642-2648.	1.1	11
62	Bendable bulk metallic glass: Effects of a thin, adhesive, strong, and ductile coating. <i>Acta Materialia</i> , 2012, 60, 3226-3238.	3.8	67
63	Radial and longitudinal variations in the Young's modulus of a Zr <sub>55</sub> Al <sub>10</sub> Ni <sub>5</sub> Cu <sub>30</sub> bulk metallic glass rod. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 534, 459-464.	2.6	0
64	Fabrication of Molds with 25-nm Dot-Pitch Pattern by Focused Ion Beam and Reactive Ion Etching for Nanoimprint Using Metallic Glass. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 086702.	0.8	2
65	A nanostructured skeleton catalyst: Suzuki-coupling with a reusable and sustainable nanoporous metallic glass Pd-catalyst. <i>Chemical Communications</i> , 2011, 47, 5985.	2.2	60
66	Formation and properties of two-phase bulk metallic glasses by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2011, 509, S214-S218.	2.8	16
67	Glassy alloy composites for bit-patterned-media. <i>Journal of Alloys and Compounds</i> , 2011, 509, S145-S147.	2.8	9
68	Glass-forming ability and soft magnetic properties of (Co <sub>0.6</sub> Fe <sub>0.3</sub> Ni <sub>0.1</sub> ) <sub>67</sub> B <sub>22+x</sub> Si <sub>6</sub> <sup>x</sup> Nb <sub>5</sub> bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , 2011, 509, S206-S209.	2.8	14
69	Non-equilibrium copper-based crystalline alloy sheet having ultrahigh strength and good electrical conductivity. <i>Journal of Alloys and Compounds</i> , 2011, 509, S361-S363.	2.8	1
70	Mo microalloying effect on the glass-forming ability, magnetic, mechanical and corrosion properties of (Fe <sub>0.76</sub> Si <sub>0.09</sub> B <sub>0.08</sub> P <sub>0.06</sub> ) <sub>100-x</sub> Mo <sub>x</sub> bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7688-7691.	2.8	40
71	Improved plasticity of iron-based high-strength bulk metallic glasses by copper-induced nanocrystallization. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 3002-3005.	1.5	16
72	Microwave Processing of Metallic Glass/Polymer Composite in a Separated H-Field. , 2011, , .		0

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73	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> , 2011, 110, 023513.	1.1	15
74	Suppression of Crystallization in Ti-Based Alloys by Fluxing. <i>Materials Transactions</i> , 2011, 52, 458-463.	0.4	3
75	Nanoimprinting of Metallic Glass for Periodic Nano-Hole Structures with Dies Fabricated by FIB-CVD and RIE. <i>Materials Transactions</i> , 2011, 52, 239-242.	0.4	14
76	Plastic Working of Metallic Glass Bolts by Cold Thread Rolling. <i>Materials Transactions</i> , 2011, 52, 243-249.	0.4	12
77	Direct observation of local atomic order in a metallic glass. <i>Nature Materials</i> , 2011, 10, 28-33.	13.3	483
78	He ion irradiation induced nanocrystallization in Cu <sub>50</sub> Zr <sub>45</sub> Ti <sub>5</sub> glassy alloy. <i>Surface and Coatings Technology</i> , 2011, 206, 829-833.	2.2	25
79	Enhancement of soft magnetic properties of FeCoNbB nanocrystalline alloys with Cu and Ni additions. <i>Thin Solid Films</i> , 2011, 519, 8280-8282.	0.8	10
80	Dealloying by metallic melt. <i>Materials Letters</i> , 2011, 65, 1076-1078.	1.3	193
81	Study on continuous casting of bulk metallic glass. <i>Materials Letters</i> , 2011, 65, 2257-2260.	1.3	16
82	Control of wetting on Ti-based bulk metallic glass surfaces by a hydrothermal method. <i>Journal of Materials Science</i> , 2011, 46, 3430-3435.	1.7	1
83	Microwave-Induced Sintering of Cu-Based Metallic Glass Matrix Composites in a Single-Mode 915-MHz Applicator. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1463-1467.	1.1	7
84	Tough Hypoeutectic Zr-Based Bulk Metallic Glasses. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 1468-1475.	1.1	26
85	Nanoporous PdNi Bimetallic Catalyst with Enhanced Electrocatalytic Performances for Electro-oxidation and Oxygen Reduction Reactions. <i>Advanced Functional Materials</i> , 2011, 21, 4364-4370.	7.8	251
86	Reusable and Sustainable Nanostructured Skeleton Catalyst: Heck Reaction with Nanoporous Metallic Glass Pd (PdNPore) as a Support, Stabilizer and Ligand-Free Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 2927-2932.	2.1	39
87	Elastic and viscoelastic properties of glassy, quasicrystalline and crystalline phases in Zr <sub>65</sub> Cu <sub>5</sub> Ni <sub>10</sub> Al <sub>7.5</sub> Pd <sub>12.5</sub> alloys. <i>Acta Materialia</i> , 2011, 59, 2797-2806.	3.8	43
88	Glassy Alloy Composite and Non-equilibrium Crystalline Alloy for Information Technology Applications. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1300, 1.	0.1	0
89	Fundamental Properties and Nano-imprintabilities of Zr-, Pd- and Cu-based Glassy Alloy Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1300, 1.	0.1	0
90	Bulk Metallic Glassy Composites with Excellent Electrical Conductivity and Enhanced Plasticity Fabricated by Spark Plasma Sintering. <i>Materials Science Forum</i> , 2011, 675-677, 197-200.	0.3	4

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91	Binary Ni-Ta Bulk Metallic Glasses Designed by Using a Cluster-Plus-Glue-Atom Model. Materials Science Forum, 2011, 688, 395-399.	0.3	2
92	Mechanical and Electrical Properties of Rapidly Solidified Cu-Zr-Ag Alloy Fabricated by Powder Rolling Process. Materials Research Society Symposia Proceedings, 2011, 1300, 1.	0.1	0
93	Fabrication and nano-imprintabilities of Zr-, Pd- and Cu-based glassy alloy thin films. Nanotechnology, 2011, 22, 105302.	1.3	20
94	Glass Formation, Chemical Properties and Surface Analysis of Cu-Based Bulk Metallic Glasses. International Journal of Molecular Sciences, 2011, 12, 2275-2293.	1.8	15
95	Enhancement of solderability of Cu <sub>60</sub> Zr <sub>30</sub> Ti <sub>10</sub> bulk metallic glass by dealloying in hydrofluoric acid solution. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2011, 29, 147s-150s.	0.1	2
96	Development of Cu Clad Cu-Zr Based Metallic Glass and Its Solderability. Journal of High Temperature Society, 2011, 37, 153-158.	0.1	0
97	Precipitation of the ZrCu <sub>2</sub> phase in Zr <sub>50</sub> Cu <sub>50</sub> Al <sub>x</sub> (x = 0, 4, 6) metallic glasses by rapidly heating and cooling. Journal of Materials Research, 2010, 25, 793-800.	1.2	18
98	Influence of Precipitation Behavior of Different Crystalline Phases for Embrittlement Behavior of Several Zr-Based Metallic Glasses. Materials Transactions, 2010, 51, 2033-2038.	0.4	2
99	Composition Control of Pd-Cu-Si Metallic Glassy Alloys for Thin Film Hydrogen Sensor. Materials Transactions, 2010, 51, 2133-2138.	0.4	14
100	Development of W-Reinforced Zr-Based Metallic Glass. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2010, 74, 85-88.	0.2	5
101	Effect of Nb on Transformation Kinetics and Mechanical Properties in Zr-Al-Ni-Cu Metallic Glasses. Materials Transactions, 2010, 51, 1188-1193.	0.4	4
102	Hydrogen sensing ability of Pd-based amorphous alloys. Sensors and Actuators B: Chemical, 2010, 150, 279-284.	4.0	24
103	Synthesis, structure and mechanical properties of Zr-Cu-based bulk metallic glass composites. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 208-213.	2.4	7
104	Ni-Nb-Sn Bulk Metallic Glass Matrix Composites Fabricated by Microwave-Induced Sintering Process. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1714-1719.	1.1	3
105	Effect of Nb Concentration on Thermal Stability and Glass-Forming Ability of Soft Magnetic (Fe,Co)-Gd-Nb-B Glassy Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1685-1690.	1.1	3
106	Comparison of Fatigue Strengths of Bulk Metallic Glasses Produced by Tilt Casting and High-Pressure Casting. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1780-1786.	1.1	7
107	Development of novel metallic glass/polymer composite materials by microwave heating in a separated H-field. Materials Letters, 2010, 64, 235-238.	1.3	9
108	Controlled Formation and Mechanical Characterization of Metallic Glassy Nanowires. Advanced Materials, 2010, 22, 872-875.	11.1	43

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109	Effect of Cu on nanocrystallization and plastic properties of FeSiBPCu bulk metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2598-2602.	2.6	42
110	Microstructure in a Ni60Pd20P17B3 bulk metallic glass compressively fractured at cryogenic temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 391-396.	2.6	5
111	Effect of Strain Rate on Tensile and Compressive Plastic Deformation of Zr70Ni16Cu6Al8 Bulk Metallic Glass. Zairyo/Journal of the Society of Materials Science, Japan, 2010, 59, 118-123.	0.1	5
112	Metallic Glass. , 2010, , 447-472.		2
113	Compositional Dependence of the Viscosity of Zr-Cu-Al Alloys in the Supercooled Liquid State. Zairyo/Journal of the Society of Materials Science, Japan, 2010, 59, 124-129.	0.1	5
114	Consolidation Behavior of Cu-Zr-Al Metallic Glass Powder by Spark Plasma Sintering. Materials Science Forum, 2010, 654-656, 1086-1089.	0.3	6
115	Effect of Fe on the glass-forming ability, structure and devitrification behavior of Zr-Cu-Al bulk glass-forming alloys. Philosophical Magazine, 2010, 90, 1955-1968.	0.7	41
116	Role of Alloying Additions in Glass Formation and Properties of Bulk Metallic Glasses. Materials, 2010, 3, 5320-5339.	1.3	56
117	Effects of B and Si contents on glass-forming ability and soft-magnetic properties in $(\text{Co}_{0.89}\text{Fe}_{0.057}\text{Nb}_{0.053})_{100-x}(\text{B}_{0.8}\text{Si}_{0.2})_x$ glassy alloys. Journal of Applied Physics, 2010, 107, .	1.1	15
118	Enhanced glass-forming ability of FeCoBSiNb bulk glassy alloys prepared using commercial raw materials through the optimization of Nb content. Journal of Applied Physics, 2010, 107, 09A315.	1.1	10
119	Comparative analysis of glass-formation in binary, ternary, and multicomponent alloys. Journal of Applied Physics, 2010, 108, 103511.	1.1	40
120	Microstructure and mechanical properties of crystalline particulates dispersed Ni-based metallic glassy composites fabricated by spark plasma sintering. Intermetallics, 2010, 18, 851-858.	1.8	25
121	Glassy alloy composites for information technology applications. Intermetallics, 2010, 18, 1983-1987.	1.8	25
122	Cu particulate dispersed Cu50Zr45Al5 bulk metallic glassy composite with enhanced electrical conductivity. Intermetallics, 2010, 18, 1973-1977.	1.8	20
123	Thermal stability, mechanical properties and nano-imprint ability of Pd-Cu-Ni-P glassy alloy thin film. Intermetallics, 2010, 18, 1969-1972.	1.8	14
124	Enhancement of glass-forming ability of CoFeBSiNb bulk glassy alloys with excellent soft-magnetic properties and superhigh strength. Intermetallics, 2010, 18, 1876-1879.	1.8	30
125	In situ phase separation and flow behavior in the glass transition region. Intermetallics, 2010, 18, 1235-1239.	1.8	23
126	Ultrasonic characteristics of porous Zr55Cu30Al10Ni5 bulk metallic glass fabricated by spark plasma sintering. Intermetallics, 2010, 18, 2014-2018.	1.8	18



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127	Unusual solidification behavior of a Zr <sub>60</sub> Cu <sub>20</sub> Ni <sub>10</sub> Al bulk glassy alloy made from low-purity Zr. <i>Intermetallics</i> , 2010, 18, 1531-1536.	1.8	21
128	Structure, mechanical properties and imprint-ability of Pd <sub>60</sub> Cu <sub>20</sub> Ni <sub>10</sub> P glassy alloy thin film prepared by a pulsed-laser deposition method. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1542-1545.	1.5	11
129	New nickel-based bulk metallic glasses with extremely high nickel content. <i>Journal of Alloys and Compounds</i> , 2010, 489, 80-83.	2.8	15
130	Local atomic structure of Ni <sub>60</sub> Pd <sub>20</sub> P <sub>20</sub> and Ni <sub>60</sub> Pd <sub>20</sub> P <sub>17</sub> B <sub>3</sub> bulk metallic glasses and the origin of glass forming ability. <i>Journal of Alloys and Compounds</i> , 2010, 496, 135-139.	2.8	7
131	Effect of Co concentration on thermal stability and magnetic properties of (Fe,Co) <sub>60</sub> Nb <sub>20</sub> Gd <sub>10</sub> B glassy alloys. <i>Journal of Alloys and Compounds</i> , 2010, 504, S129-S131.	2.8	6
132	Glass-forming ability and magnetic properties of CoFeMoYB bulk glassy alloys with large supercooled liquid region. <i>Journal of Alloys and Compounds</i> , 2010, 504, S132-S134.	2.8	6
133	Effect of Nb addition on the glass-forming ability, mechanical and soft-magnetic properties in (Co <sub>0.942</sub> Fe <sub>0.058</sub> ) <sub>72</sub> Nb <sub>x</sub> B <sub>22.4</sub> Si <sub>5.6</sub> bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , 2010, 504, S31-S33.	2.8	22
134	Zr-based bulk glassy alloy with improved resistance to stress corrosion cracking in sodium chloride solutions. <i>Corrosion Science</i> , 2010, 52, 2950-2957.	3.0	22
135	Recent Development and Applications of Bulk Glassy Alloys. <i>International Journal of Applied Glass Science</i> , 2010, 1, 273-295.	1.0	44
136	Electrochemical synthesis of palladium nanostructures with controllable morphology. <i>Nanotechnology</i> , 2010, 21, 085601.	1.3	27
137	Deformation-induced structural transformation leading to compressive plasticity in Zr <sub>65</sub> Al <sub>7.5</sub> Ni <sub>10</sub> Cu <sub>12.5</sub> M <sub>5</sub> (M = Nb, Pd) glassy alloys. <i>Journal of Materials Research</i> , 2010, 25, 1149-1158.	1.2	6
138	Double-stage glass transition in a metallic glass. <i>Physical Review B</i> , 2010, 81, .	1.1	37
139	Tensile deformation behaviour of Zr-based glassy alloys. <i>Philosophical Magazine Letters</i> , 2010, 90, 139-148.	0.5	23
140	Development of Powder Metallurgy Aluminum Alloys with High Strength and High Elevated Temperature Strength. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2009, 56, 697-708.	0.1	2
141	Melt-Liquid Joining of Heterogeneity Metallic Glassy Alloy and Mechanical Properties. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2009, 56, 693-696.	0.1	0
142	Cast of Bulk Glassy Alloys. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009, 58, 193-198.	0.1	3
143	Brittle metallic glass deforms plastically at room temperature in glassy multilayers. <i>Physical Review B</i> , 2009, 80, .	1.1	32
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553	Formation, Thermal Stability and Mechanical Properties of (Cu <sub>0.6</sub> Zr <sub>0.3</sub> Ti <sub>0.1</sub> ) <sub>100-x</sub> M <sub>x</sub> (M=Fe, Co.) Tj. J. Appl. Phys. 101, 042843 (2007)	0.4	14
554	Relationship Between the Liquidus Surface and Structures of Zr-Cu-Al Bulk Amorphous Alloys. Materials Transactions, 2002, 43, 575-579.	0.4	58
555	Novel Hexagonal Structure of Ultra-High Strength Magnesium-Based Alloys. Materials Transactions, 2002, 43, 580-584.	0.4	77
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557	Formation and Mechanical Strength of Bulk Glassy Alloys in Zr-Al-Co-Cu System. Materials Transactions, 2002, 43, 1250-1253.	0.4	4
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579	Effects of Ti on the Thermal Stability and Glass-Forming Ability of Ni-Nb Glassy Alloy. Materials Transactions, 2002, 43, 2342-2345.	0.4	73
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581	New V <sub>45</sub> Zr <sub>20</sub> Ni <sub>20</sub> Cu <sub>10</sub> Al <sub>2.5</sub> Pd <sub>2.5</sub> B <sub>4</sub> Glassy Alloy Powder with Wide Supercooled Liquid Region. Materials Transactions, 2002, 43, 770-772.		7
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583	Formation, Thermal Stability and Mechanical Properties in Zr-Al-Co Bulk Glassy Alloys. Materials Transactions, 2002, 43, 2843-2846.	0.4	41
584	Formation and Soft Magnetic Properties of Co-Fe-Si-B-Nb Bulk Glassy Alloys. Materials Transactions, 2002, 43, 1230-1234.	0.4	28
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586	Observations Of stress-Induced Structural disorder and Fictive Stress in Bulk Metallic Glasses. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
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588	Cu-based bulk glassy alloys with high tensile strength of over 2000 MPa. Journal of Non-Crystalline Solids, 2002, 304, 200-209.	1.5	127
589	Precipitation of icosahedral quasicrystalline and crystalline approximant phases in Zrâ€“Cuâ€“(Co, Rh or Tj) ETQq1 1.0.784314 rgBT / 1.5 11		
590	Stability and thermodynamics of primary precipitation in supercooled Pdâ€“Cuâ€“Niâ€“P melt. Journal of Non-Crystalline Solids, 2002, 312-314, 575-580.	1.5	3
591	Thermal stabilities and discharge capacities of melt-spun Mgâ€“Ni-based amorphous alloys. Journal of Alloys and Compounds, 2002, 339, 230-235.	2.8	83
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596	Cast structure and mechanical properties of Zr-Cu-Ni-Al bulk glassy alloys. <i>Intermetallics</i> , 2002, 10, 1113-1124.	1.8	85
597	Stability and nucleation behavior of glass-forming Pd-Cu-Ni-P alloy with a critical cooling rate of 0.067 K/s. <i>Intermetallics</i> , 2002, 10, 1141-1147.	1.8	43
598	Amorphous forming ability and mechanical properties of rapidly solidified Al-Zr-LTM (LTM=Fe, Co, Ni) alloys. <i>Journal of Non-Crystalline Solids</i> , 2002, 300, 1-13.	1.3	21
599	Influence of a supercooled liquid on crystallization behaviour of Al-Y-Ni-Co metallic glass. <i>Materials Letters</i> , 2002, 54, 75-80.	1.3	32
600	Etude d'alliages formant des verres métalliques massifs, par rayonnement synchrotron de haute énergie. <i>Annales De Chimie: Science Des Matériaux</i> , 2002, 27, 107-112.	0.2	3
601	Dynamic response of a Pd <sub>40</sub> Ni <sub>40</sub> P <sub>20</sub> bulk metallic glass in tension. <i>Scripta Materialia</i> , 2002, 46, 43-47.	2.6	189
602	Hot pressing of Fe-Co-Nd-Dy-B glassy powders in supercooled liquid state and hard magnetic properties of the consolidated alloys. <i>Scripta Materialia</i> , 2002, 47, 231-235.	2.6	28
603	Development of in-house fast X-ray diffraction apparatus and its application to the supercooled liquid Pd <sub>40</sub> Ni <sub>10</sub> Cu <sub>30</sub> P <sub>20</sub> alloy. <i>Science and Technology of Advanced Materials</i> , 2002, 3, 69-73.	2.8	3
604	Precipitation of icosahedral quasicrystalline phase in metallic Zr <sub>65</sub> Al <sub>7.5</sub> Ni <sub>5</sub> Cu <sub>17.5</sub> Re <sub>5</sub> glass. <i>Materials Letters</i> , 2001, 50, 318-321.	1.3	12
605	Precipitation of nanoscale icosahedral quasicrystalline phase in Hf-Cu amorphous alloy promoted by the addition of Ni. <i>Materials Letters</i> , 2001, 51, 203-207.	1.3	11
606	Fabrications and mechanical properties of bulk amorphous, nanocrystalline, nanoquasicrystalline alloys in aluminum-based system. <i>Journal of Light Metals</i> , 2001, 1, 31-41.	0.8	154
607	Effect of Zn addition on the crystallization process in Zr <sub>65</sub> Al <sub>7.5</sub> Ni <sub>10</sub> Cu <sub>17.5</sub> metallic glass. <i>Journal of Alloys and Compounds</i> , 2001, 325, 230-235.	2.8	14
608	Precipitation of nano-scale icosahedral quasicrystalline phase in amorphous Hf <sub>70</sub> Ni <sub>10</sub> Pd <sub>20</sub> alloy. <i>Journal of Non-Crystalline Solids</i> , 2001, 289, 163-167.	1.5	2
609	Formation of nano icosahedral quasicrystalline phase in Zr-Ni-M (M=Pd, Au, Pt) ternary glassy alloys. <i>Ferroelectrics</i> , 2001, 250, 285-288.	0.3	0
610	Icosahedral quasicrystalline phase formation in Zr-Al-Ni-Cu glassy alloys by addition of Nb, Ta and V elements. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L73-L78.	0.7	57
611	Formation and mechanical properties of Cu-Hf-Ti bulk glassy alloys [Article Retracted]. <i>Journal of Materials Research</i> , 2001, 16, 2836-2844.	1.2	69
612	Glass to Icosahedral Phase Transformation in Zr-based Glassy Metals. <i>Materials Research Society Symposia Proceedings</i> , 2001, 676, 3391.	0.1	0

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614	Hydrogen Permeation Characteristics of Melt-Spun Ni-Nb-Zr Amorphous Alloy Membranes. Materials Transactions, 2001, 42, 1885-1890.	0.4	0
615	Preparation and Magnetic Properties of Co-based Bulk Glassy Alloys. Materials Transactions, 2001, 42, 2572-2575.	0.4	29
616	Thermal and Mechanical Properties of Cu-Based Cu-Zr-Ti Bulk Glassy Alloys. Materials Transactions, 2001, 42, 1149-1151.	0.4	127
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619	Formation of Ti-Zr(Hf)-Ni-Cu Amorphous Alloys and Quasicrystal Precipitation upon Annealing. Materials Transactions, 2001, 42, 528-531.	0.4	22
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621	Application of Zr-Based Bulk Glassy Alloys to Golf Clubs. Materials Transactions, 2001, 42, 678-681.	0.4	87
622	Superplastic Deformation of Supercooled Liquid in Zr-Based Bulk Glassy Alloys Containing Nano-Quasicrystalline Particles. Materials Transactions, 2001, 42, 1517-1522.	0.4	19
623	Nano Icosahedral Quasicrystalline Phase in Zr <sub>65</sub> Al <sub>7.5</sub> Ni <sub>10</sub> Ag <sub>17.5</sub> Quaternary Glassy Alloy. Materials Transactions, 2001, 42, 1493-1496.	0.4	7
624	The influence of rare earth metals on the structure of some rapidly solidified Ge- and Si-based alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 505-509.	2.6	4
625	Bulk amorphous and nanocrystalline alloys with high functional properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 1-10.	2.6	291
626	Newtonian and non-Newtonian viscosity of supercooled liquid in metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 674-678.	2.6	93
627	Ti-based amorphous alloys with a large supercooled liquid region. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 771-774.	2.6	112
628	Superplastic micro/nano-formability of La <sub>60</sub> Al <sub>20</sub> Ni <sub>10</sub> Co <sub>5</sub> Cu <sub>5</sub> amorphous alloy in supercooled liquid state. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 716-720.	2.6	70
629	Superplasticity in Fe-based metallic glass with wide supercooled liquid region. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 735-739.	2.6	37
630	Characteristic behavior of La <sub>55</sub> Al <sub>25</sub> Ni <sub>20</sub> amorphous alloy under rapid heating. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 743-746.	2.6	21

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631	Structure and soft magnetic properties of bulk Fe-Al-Ga-P-C-B-Si glassy alloys prepared by consolidating amorphous powders. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 1019-1022.	2.6	32
632	Crystallization processes from supercooled liquid of Cu <sub>40</sub> Ti <sub>30</sub> Ni <sub>15</sub> Zr <sub>10</sub> Sn <sub>5</sub> and Zr <sub>60</sub> Ni <sub>25</sub> Al <sub>15</sub> amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 380-384.	2.6	10
633	Modeling of stress-strain curves for Pd <sub>40</sub> Ni <sub>10</sub> Cu <sub>30</sub> P <sub>20</sub> glass alloy under constant strain-rate deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 758-762.	2.6	10
634	Behavior of electrical resistivity through glass transition in Pd <sub>40</sub> Cu <sub>30</sub> Ni <sub>10</sub> P <sub>20</sub> metallic glass. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 304-306, 740-742.	2.6	15
635	The micro-formability of Zr-based amorphous alloys in the supercooled liquid state and their application to micro-dies. <i>Journal of Materials Processing Technology</i> , 2001, 113, 64-69.	3.1	102
636	Nano icosahedral phase formation by crystallization of Zr-based ternary glassy alloys. <i>Scripta Materialia</i> , 2001, 44, 1245-1249.	2.6	10
637	Precipitation of nano-scale icosahedral quasicrystalline phase in Hf-Al-Ni-Cu metallic glass promoted by addition of Ti. <i>Scripta Materialia</i> , 2001, 44, 1257-1260.	2.6	2
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639	Nanocrystalline aluminum bulk alloys with a high strength of 1420 MPa produced by the consolidation of amorphous powders. <i>Scripta Materialia</i> , 2001, 44, 1599-1604.	2.6	89
640	Superplastic nanoforming of Pd-based amorphous alloy. <i>Scripta Materialia</i> , 2001, 44, 1541-1545.	2.6	186
641	Precipitation of icosahedral quasicrystalline phase in Hf <sub>69.5</sub> Al <sub>7.5</sub> Ni <sub>11</sub> Cu <sub>12</sub> metallic glass. <i>Journal of Materials Research</i> , 2001, 16, 1190-1194.	1.2	6
642	Investigation of the stability of glassy state in the Zr- and Hf-based glassy alloys correlated with their transformation behavior. <i>Journal of Materials Research</i> , 2001, 16, 3389-3401.	1.2	52
643	Novel hexagonal structure and ultrahigh strength of magnesium solid solution in the Mg-Zn-Y system. <i>Journal of Materials Research</i> , 2001, 16, 1894-1900.	1.2	338
644	Change in local atomic structure during formation of the icosahedral quasicrystalline phase in Zr <sub>70</sub> Pd <sub>30</sub> glassy alloy. <i>Journal of Materials Research</i> , 2001, 16, 3046-3049.	1.2	7
645	Initial crystallization processes of Zr-Cu-Rh metallic glasses. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L803-L809.	0.7	8
646	Precipitations of icosahedral quasicrystalline and crystalline approximant phases in Zr-Al-Ni-Cu-Ir metallic glasses. <i>Physical Review B</i> , 2001, 63, .	1.1	16
647	Strong influence of supercooled liquid on crystallization of the Al <sub>85</sub> Ni <sub>5</sub> Y <sub>4</sub> Nd <sub>4</sub> Co <sub>2</sub> metallic glass. <i>Applied Physics Letters</i> , 2001, 78, 3061-3063.	1.5	36
648	Investigation of short-range order in nanocrystal-forming Zr <sub>60</sub> Cu <sub>20</sub> Pd <sub>10</sub> Al <sub>10</sub> metallic glass and the mechanism of nanocrystal formation. <i>Applied Physics Letters</i> , 2001, 79, 1792-1794.	1.5	24

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650	Electronegativity of the constituent rare-earth metals as a factor stabilizing the supercooled liquid region in Al-based metallic glasses. Applied Physics Letters, 2001, 79, 3410-3412.	1.5	62
651	Direct observation of icosahedral cluster in Zr <sub>70</sub> Pd <sub>30</sub> binary glassy alloy. Applied Physics Letters, 2001, 79, 412-414.	1.5	121
652	Thermal Stability and Mechanical Properties of Mg <sub>90</sub> Y <sub>10</sub> Cu <sub>0</sub> M (M = Ag, Tj ETQq <sub>0,0,0</sub> rgBT /Overlock 117)	0.9	7
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654	Thermal Stability and Magnetic Properties of Fe <sub>90</sub> Co <sub>10</sub> Pr <sub>0</sub> B Amorphous Alloys with a Supercooled Liquid Region. Materials Transactions, JIM, 2000, 41, 1482-1485.	0.9	5
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658	A New Method for Producing Amorphous Alloy Wires. Materials Transactions, JIM, 2000, 41, 1463-1466.	0.9	13
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661	Formation and Magnetic Properties of Bulk Glassy Fe <sub>64</sub> Co <sub>23</sub> Nd <sub>13</sub> Dy <sub>13</sub> B Alloys with High Boron Concentrations. Materials Transactions, JIM, 2000, 41, 1679-1682.	0.9	27
662	Bulk Amorphous Fe <sub>62</sub> Ga <sub>23</sub> P <sub>13</sub> B <sub>13</sub> C Alloys with a Large Supercooled Liquid Region. Materials Transactions, JIM, 2000, 41, 873-876.	0.9	70
663	Thermal Stability and Soft Magnetic Properties of Co <sub>65</sub> Fe <sub>17.5</sub> M <sub>17.5</sub> B (M=Nb, Tj ETQq <sub>1 1 0.784314</sub> rgBT /Overlock 111) 1256-1262.	0.9	111
664	Effects of Thermal Treatment on Structure of Fe <sub>65</sub> Co <sub>17.5</sub> Ni <sub>17.5</sub> Zr <sub>17.5</sub> B Glassy Alloy with a Large Supercooled-Liquid Region Studied by Mössbauer Spectroscopy. Materials Transactions, JIM, 2000, 41, 1392-1396.	0.9	6
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666	Formation of an Icosahedral Quasicrystalline Phase in Zr <sub>65</sub> Al <sub>7.5</sub> Ni <sub>10</sub> M <sub>17.5</sub> (M = Pd, Au or Pt) Alloys. Materials Transactions, JIM, 2000, 41, 362-365.	0.9	71



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668	Bulk Amorphous Co&ndash;Ni-Based Alloys with a Large Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 2000, 41, 539-542.	0.9	56
669	Effect of Dy Addition on the Thermal Stability and Magnetic Properties of the Fe&ndash;Co&ndash;Nd&ndash;B Amorphous Alloys with Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 2000, 41, 696-700.	0.9	10
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674	Production of Zr-based Amorphous Wires by Rotating Disk Casting Method. <i>Materials Research Society Symposia Proceedings</i> , 2000, 644, 12241.	0.1	0
675	Glass-Forming Ability and Crystallization of High Purity Pd-Cu-Ni-P Alloy. <i>Materials Research Society Symposia Proceedings</i> , 2000, 644, 311.	0.1	1
676	Formation of Nano Icosahedral Quasicrystalline Phase in Zr-based Binary and Ternary Glassy Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2000, 644, 611.	0.1	0
677	Core Losses and Soft Magnetic Properties of Nanocrystalline Fe-Zr-Nb-B Alloys with Zero-Magnetostriction. <i>Materials Research Society Symposia Proceedings</i> , 2000, 644, 711.	0.1	1
678	Stabilization of metallic supercooled liquid and bulk amorphous alloys. <i>Acta Materialia</i> , 2000, 48, 279-306.	3.8	5,263
679	High-strength aluminum alloys containing nanoquasicrystalline particles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 286, 1-10.	2.6	152
680	High-strength aluminum- and zirconium-based alloys containing nanoquasicrystalline particles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 294-296, 727-735.	2.6	70
681	Effect of Sn addition on the glass-forming ability in (Cu <sub>40</sub> Ti <sub>30</sub> Ni <sub>15</sub> Zr <sub>10</sub> )(100-x)/95Sn <sub>x</sub> (x = 0, 2, 4, 6 and 8) alloys. <i>Scripta Materialia</i> , 2000, 42, 923-927.	2.6	10
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683	Ferromagnetic bulk glassy alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 215-216, 246-252.	1.0	87
684	A jelly-like ceramic fiber at 1193 K. <i>Materials Research Innovations</i> , 2000, 3, 185-189.	1.0	4

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687	Precipitation of icosahedral quasicrystalline phase in Hf <sub>65</sub> Al <sub>7.5</sub> Ni <sub>10</sub> Cu <sub>12.5</sub> Pd <sub>5</sub> metallic glass. Applied Physics Letters, 2000, 77, 528-530.	1.5	60
688	Crystallization and hard magnetic properties of Fe-Co-Nd-Dy-B amorphous alloys with glass transition. Journal of Applied Physics, 2000, 87, 6122-6124.	1.1	23
689	Ductility of bulk nanocrystalline composites and metallic glasses at room temperature. Applied Physics Letters, 2000, 77, 46-48.	1.5	187
690	Al-Fe-based bulk quasicrystalline alloys with high elevated temperature strength. Journal of Materials Research, 2000, 15, 2737-2744.	1.2	36
691	Crystallization process of Zr <sub>60</sub> Ni <sub>25</sub> Al <sub>15</sub> amorphous alloy. Materials Letters, 2000, 44, 80-86.	1.3	27
692	Mechanical properties of Zr-based bulk glassy alloys containing nanoscale compound particles. Intermetallics, 2000, 8, 455-468.	1.8	38
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695	Deformation behavior of Zr-based bulk nanocrystalline amorphous alloys. Physical Review B, 2000, 61, R3761-R3763.	1.1	162
696	Nanoscale icosahedral quasicrystalline phase formation in a rapidly solidified Zr <sub>80</sub> Pt <sub>20</sub> binary alloy. Applied Physics Letters, 2000, 77, 73-75.	1.5	66
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787	Preparation of Bulk Pr-Fe-Al Amorphous Alloys and Characterization of Their Hard Magnetic Properties. <i>Materials Transactions, JIM</i> , 1996, 37, 1731-1740.	0.9	71
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830	Amorphous and quasi-crystalline phases in rapidly solidified Mg <sup>1</sup> -Al <sup>1</sup> -Zn alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 181-182, 1387-1391.	2.6	16
831	Amorphous (Ti,Zr, Hf) <sup>1</sup> -Ni <sup>1</sup> -Cu ternary alloys with a wide supercooled liquid region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 181-182, 1423-1426.	2.6	142
832	Ti-based amorphous alloys with a wide supercooled liquid region. <i>Materials Letters</i> , 1994, 19, 131-135.	1.3	184
833	Light-metal base amorphous alloys containing lanthanide metal. <i>Journal of Alloys and Compounds</i> , 1994, 207-208, 340-348.	2.8	23
834	Preparation of Ultrafine Al-based Quasicrystalline Particles by Reaction between Nitrogen Plasma and Molten Alloys. <i>Materials Transactions, JIM</i> , 1994, 35, 543-550.	0.9	3
835	Microstructure and Properties of Bulky Al <sup>1</sup> -8 <sup>1</sup> -Ni <sup>1</sup> -10 <sup>1</sup> -Ce <sup>1</sup> -6 <sup>1</sup> Alloys with Amorphous Surface Layer Prepared by High-Pressure Die Casting. <i>Materials Transactions, JIM</i> , 1994, 35, 808-813.	0.9	16
836	Preparation of Bulky Zr-Based Amorphous Alloys by a Zone Melting Method. <i>Materials Transactions, JIM</i> , 1994, 35, 923-926.	0.9	63
837	Mg-based amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 173, 1-8.	2.6	155
838	Formation, thermal stability and mechanical properties of amorphous alloys in the Mg-transition metal(Ni, Cu)-alkaline-earth metal(Ca, Sr, Ba) system. <i>Journal of Materials Science</i> , 1993, 28, 379-383.	1.7	16
839	The effect of transition metal (TM) on the supercooled liquid region for (Zr <sub>0.7</sub> Cu <sub>0.3</sub> ) <sub>90</sub> TM <sub>10</sub> amorphous alloys. <i>Journal of Materials Science Letters</i> , 1993, 12, 700-701.	0.5	16
840	Glass-forming ability of alloys. <i>Journal of Non-Crystalline Solids</i> , 1993, 156-158, 473-480.	1.5	616
841	Interface stability, growth and morphology of quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 1993, 153-154, 513-518.	1.5	2
842	Crystallization mechanism and stabilization of supercooled liquid during heating in Zr <sup>1</sup> -Cu based metallic glasses. <i>Scripta Metallurgica Et Materialia</i> , 1993, 29, 657-661.	1.0	8
843	Low core losses of nanocrystalline Fe <sup>1</sup> -M <sup>1</sup> -B (M=Zr, Hf, or Nb) alloys. <i>Journal of Applied Physics</i> , 1993, 74, 3316-3322.	1.1	208
844	Elastic and viscous behavior of an amorphous Zr <sub>33</sub> Y <sub>27</sub> Al <sub>15</sub> Ni <sub>25</sub> alloy with a two-stage glass transition. <i>Materials Letters</i> , 1993, 16, 108-112.	1.3	7
845	The effect of atomic size on the stability of supercooled liquid for amorphous (Ti, Zr, Hf) <sub>65</sub> Ni <sub>25</sub> Al <sub>10</sub> and (Ti, Zr, Hf) <sub>65</sub> Cu <sub>25</sub> Al <sub>10</sub> alloys. <i>Materials Letters</i> , 1993, 15, 379-382.	1.3	53
846	Crystallization on supercooled liquid in metallic Zr <sup>1</sup> -Cu <sup>1</sup> -Al glasses. <i>Applied Physics Letters</i> , 1993, 62, 137-139.	1.5	41

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847	Mechanical Properties, Fracture Mode and Deformation Behavior of Al <sub>70</sub> Pd <sub>20</sub> Mn <sub>10</sub> Single-Quasicrystal. Materials Transactions, JIM, 1993, 34, 135-145.	0.9	99
848	Production and Properties of Functionally Gradient Films Varying from Amorphous Al(Ti, N) to Hexagonal Al(Ti)N Phase. Materials Transactions, JIM, 1993, 34, 548-555.	0.9	3
849	Cu-Rich Cu–Al–Ln (Ln=Ce or Nd) Amorphous Alloys. Materials Transactions, JIM, 1993, 34, 82-84.	0.9	47
850	Quasicrystalline and Related Crystalline Phases in Al–Pd–Fe System. Materials Transactions, JIM, 1993, 34, 155-161.	0.9	15
851	Nanocrystalline alloys produced by crystallization of amorphous alloys. , 1993, , 177-184.		2
852	Synthesis of stable quasicrystalline particle-dispersed Al base composite alloys. Journal of Materials Research, 1993, 8, 5-7.	1.2	93
853	Light-metal based amorphous alloys. , 1993, , 159-166.		2
854	Quasicrystalline Ga–Pd–M (M=Cr, Mn or Fe) Alloys Prepared by Rapid Solidification. Materials Transactions, JIM, 1992, 33, 953-955.	0.9	1
855	Amorphous (Zr–Y) <sub>60</sub> Al <sub>15</sub> Ni <sub>25</sub> Alloys with Two Supercooled Liquid Regions. Materials Transactions, JIM, 1992, 33, 143-145.	0.9	21
856	A Large Tensile Elongation Induced by Crystallization in an Amorphous Al <sub>88</sub> Ni <sub>10</sub> Ce <sub>2</sub> Alloy. Materials Transactions, JIM, 1992, 33, 487-490.	0.9	51
857	Mechanical properties of Al <sub>88</sub> (Y <sub>1-x</sub> Ce <sub>x</sub> ) <sub>2</sub> Ni <sub>9</sub> Fe <sub>1</sub> (x=0,0.5,1) amorphous alloys containing nanoscale fcc-Al particles.. Keikinzoku/Journal of Japan Institute of Light Metals, 1992, 42, 217-223.	0.1	28
858	Structural relaxation of aluminum-lanthanide metal-transition metal amorphous alloys upon low temperature annealing. Journal of Non-Crystalline Solids, 1991, 127, 233-241.	1.5	11
859	Soft magnetic properties of nanocrystalline bcc Fe–Zr–B and Fe–M–B–Cu (M=transition metal) alloys with high saturation magnetization (invited). Journal of Applied Physics, 1991, 70, 6232-6237.	1.1	432
860	Properties of Bulk Materials Produced by Extrusion of Amorphous Alloy Powders in Al-Ni-R(R=Y, Mn): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Powder Metallurgy, 1991, 38, 953-956.	0.1	9
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862	Formation Criteria and Growth Morphology of Quasicrystals in Al–Pd–TM (TM=Transition Metal) Alloys. Materials Transactions, JIM, 1991, 32, 421-428.	0.9	32
863	Glass Transition and Viscoelastic Behaviors of La <sub>55</sub> Al <sub>25</sub> Ni <sub>20</sub> and La <sub>55</sub> Al <sub>25</sub> Cu <sub>20</sub> Amorphous Alloys. Materials Transactions. JIM. 1991. 32. 593-598.	0.9	36
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866	Production of Quasicrystalline Al&ndash;Pd&ndash;Mn Alloys with Large Single Domain Size. Materials Transactions, JIM, 1991, 32, 1089-1097.	0.9	49
867	Ultrahigh Mechanical Strengths of Al<sub>88</sub>Y<sub>2</sub>Ni<sub>10</sub>-M (M=Mn, Fe or Co) Amorphous Alloys Containing Nanoscale fcc-Al Particles. Materials Transactions, JIM, 1991, 32, 599-608.	0.9	147
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869	Changes in Microstructure and Soft Magnetic Properties of an Fe<sub>86</sub>Zr<sub>7</sub>B<sub>6</sub>Cu<sub>1</sub>0.9 Amorphous Alloy upon Crystallization. Materials Transactions, JIM, 1991, 32, 961-968.	0.9	62
870	High mechanical strength of aluminum-based crystalline alloys produced by warm consolidation of amorphous powder. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 134, 1212-1214.	2.6	31
871	Microstructure of a rapidly solidified 65Al-20Cu-15Fe (at. %) alloy. Journal of Materials Science, 1991, 26, 963-969.	1.7	3
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879	Ultrahigh Tensile Strengths of Al<sub>88</sub>Y<sub>2</sub>Ni<sub>9</sub>M<sub>1</sub> (M=Mn or Fe) Amorphous Alloys Containing Finely Dispersed fcc-Al Particles. Materials Transactions, JIM, 1990, 31, 747-749.	0.9	313
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903	A Stable Quasicrystal in Al-Cu-Fe System. Japanese Journal of Applied Physics, 1987, 26, L1505-L1507.	0.8	760
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906	Effect of Particle Size Distribution of the Feedstock Powder on the Microstructure of Bulk Metallic Glass Sprayed Coating by HVOF on Aluminum Alloy Substrate. Materials Science Forum, 0, 580-582, 467-470.	0.3	5
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908	Ti-Based Bulk Metallic Glasses for Biomedical Applications. , 0, , .		8
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