Akihisa Inoue

List of Publications by Year
in descending order

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912 papers	54,387 citations	1893 102 h-index	2178 202 g-index
925 all docs	925 docs citations	925 times ranked	11003 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.	7.1	8
3	Zr55Al10Ni5Cu30 amorphous alloy film prepared by magnetron sputtering method. Rare Metals, 2021, 40, 2237-2243.	7.1	6
4	Structural homology of the strength for metallic glasses. Journal of Materials Science and Technology, 2021, 81, 123-130.	10.7	8
5	Highly efficient nanoporous CoBP electrocatalyst for hydrogen evolution reaction. Rare Metals, 2021, 40, 1031-1039.	7.1	42
6	Dual-phase nanostructuring as a route to flexible nanoporous metals with outstanding comprehensive mechanical properties. Science China Materials, 2021, 64, 2289-2304.	6.3	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.	4.1	2
8	Preparation of nanoporous Sn-doped TiO2 anode material for lithium-ion batteries by a simple dealloying method. Ionics, 2020, 26, 4363-4372.	2.4	8
9	Introduction to Amorphous Alloys and Metallic Glasses. , 2019, , 3-22.		0
10	Highly Efficient and Self-Standing Nanoporous NiO/Al₃Ni₂ Electrocatalyst for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 2019, 2, 7913-7922.	5.1	38
11	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. Applied Catalysis B: Environmental, 2019, 246, 156-165.	20.2	75
12	Recent Topics on the Structure and Crystallization of Al-based Glassy Alloys. Materials Research, 2019, 22, .	1.3	18
13	Static and Dynamic Thermal Properties of a Pd40Ni40Si20 Glassy Alloy. Metals, 2019, 9, 1157.	2.3	0
14	A nanoporous metal phosphide catalyst for bifunctional water splitting. Journal of Materials Chemistry A, 2018, 6, 5574-5579.	10.3	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.	3.1	6
16	Ductile Fe-based bulk metallic glasses at room temperature. Materials Science and Technology, 2018, 34, 751-756.	1.6	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.	0.2	0
18	Synthesis of Br-doped TiO2 hollow spheres with enhanced photocatalytic activity. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	17

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19	A highly efficient electrocatalyst based on amorphous Pdâ€“Cuâ€“S material for hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 18793-18800.	10.3	70
20	Synthesis of nanoporous CuO/TiO2/Pd-NiO composite catalysts by chemical dealloying and their performance for methanol and ethanol electro-oxidation. Journal of Power Sources, 2017, 362, 10-19.	7.8	56
21	The Development of Structure Model in Metallic Glasses. Materials Research, 2017, 20, 326-338.	1.3	13
22	Extraordinary magnetocaloric effect of Fe-based bulk glassy rods by combining fluxing treatment and J-quenching technique. Journal of Alloys and Compounds, 2016, 684, 29-33.	5.5	31
23	Novel bioactive Fe-based metallic glasses with excellent apatite-forming ability. Materials Science and Engineering C, 2016, 69, 513-521.	7.3	27
24	Nanoporous CuS with excellent photocatalytic property. Scientific Reports, 2016, 5, 18125.	3.3	117
25	Bulk Glassy Alloys: Historical Development and Current Research. Engineering, 2015, 1, 185-191.	6.7	58
26	Effects of Metallic Glass Precursors on the Catalytic Performance of Nanoporous Metals. Materials Research, 2015, 18, 110-114.	1.3	0
27	Development and Applications of Highly Functional Al-based Materials by Use of Metastable Phases. Materials Research, 2015, 18, 1414-1425.	1.3	37
28	Multicomponent nanoporous metals prepared by dealloying Pd80â^'xNixP20 metallic glasses. Intermetallics, 2015, 61, 66-71.	3.9	18
29	Syntheses and corrosion behaviors of Fe-based amorphous soft magnetic alloys with high-saturation magnetization near 1.7 T. Journal of Materials Research, 2015, 30, 547-555.	2.6	46
30	Preparation and electrocatalytic performance of the Pt supported on the alkali-treated nanoporous TiO2 material. Ionics, 2015, 21, 2863-2869.	2.4	2
31	Pd-Based Multicomponent Nanoporous Metals with Enhanced Electrocatalytic Performance Prepared by Dealloying Metallic Glass. Rare Metal Materials and Engineering, 2015, 44, 54-57.	0.8	4
32	Effects of Minor Additions on Ni- and Be-Free Ti-Based Bulk Glassy Alloys. Materials Science Forum, 2015, 833, 79-84.	0.3	1
33	Pronounced enhancement of glass-forming ability of Feâ€“Siâ€“Bâ€“P bulk metallic glass in oxygen atmosphere. Journal of Materials Research, 2014, 29, 1217-1222.	2.6	27
34	Enzyme-Free Electrochemical Glucose Sensors Prepared by Dealloying Pd-Ni-P Metallic Glasses. Advances in Materials Science and Engineering, 2014, 2014, 1-6.	1.8	0
35	Zr-based bulk metallic glass composite with in situ precipitated nanocrystals. Journal of Alloys and Compounds, 2014, 586, 155-158.	5.5	15
36	Origin of abnormal glass transition behavior in metallic glasses. Intermetallics, 2014, 49, 52-56.	3.9	14

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37	Surface modified Ti based metallic glasses for bioactivation by electrochemical treatment technique. Journal of Alloys and Compounds, 2014, 615, S136-S141.	5.5	5
38	Soft magnetic properties and microstructure of Fe84â˜Nb2B14Cu nanocrystalline alloys. Materials & Design, 2014, 56, 227-231.	5.1	47
39	Mechanical properties and structural features of novel Fe-based bulk metallic glasses with unprecedented plasticity. Scientific Reports, 2014, 4, 6233.	3.3	118
40	Composition Effect on Intrinsic Plasticity or Brittleness in Metallic Glasses. Scientific Reports, 2014, 4, 5733.	3.3	23
41	A new CoFe-based bulk metallic glasses with high thermoplastic forming ability. Scripta Materialia, 2013, 69, 553-556.	5.2	21
42	Effects of pulse voltage on the formation of nanoporous Ti oxides by dealloying amorphous TiCu alloy. Journal of Physics: Conference Series, 2013, 417, 012022.	0.4	1
43	A novel Ti-based nanoglass composite with submicronâ€“nanometer-sized hierarchical structures to modulate osteoblast behaviors. Journal of Materials Chemistry B, 2013, 1, 2568.	5.8	59
44	Bulk Metallic Glasses. Handbook of Magnetic Materials, 2013, 21, 131-171.	0.6	41
45	Fabrication of nanodot array mold with 2 Tdot/in.2 for nanoimprint using metallic glass. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, .	1.2	12
46	Effect of Minor Sn Additions on the Formation and Properties of TiCuZrPd Bulk Glassy Alloy. Materials Transactions, 2012, 53, 500-503.	1.2	32
47	Interface Microstructure and Mechanical Properties of Dissimilar Friction Stir Welded Joints between Zr₅₅Cu₃₀Ni₅Al₁₀ Bulk Metallic Glass and Pure Al. Materials Transactions, 2012, 53, 1106-1112.	1.2	2
48	Compositional features of bulk metallic glasses analyzed with a tetrahedral composition diagram from s-, p-, d- and f-blocks. International Journal of Materials Research, 2012, 103, 1102-1107.	0.3	1
49	The world's biggest glassy alloy ever made. Intermetallics, 2012, 30, 19-24.	3.9	154
50	Interpreting temperature evolution of a bulk-metallic glass during cyclic loading through spatialâ€“temporal modeling. Intermetallics, 2012, 29, 1-13.	3.9	4
51	Ni-free Ti-based bulk metallic glass with potential for biomedical applications produced by spark plasma sintering. Intermetallics, 2012, 29, 99-103.	3.9	61
52	Excellent capability in degrading azo dyes by MgZn-based metallic glass powders. Scientific Reports, 2012, 2, 418.	3.3	117
53	Atomic structure changes and phase transformation behavior in Pdâ€“Si bulk glass-forming alloy. Intermetallics, 2012, 20, 135-140.	3.9	15
54	SiC dispersed Fe-based glassy composite cores produced by spark plasma sintering and their high frequency magnetic properties. Intermetallics, 2012, 20, 76-81.	3.9	22

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55	Structural relaxation and crystallization processes in Cu55Hf25Ti15Pd5 metallic glassy alloy. Intermetallics, 2012, 23, 177-181.	3.9	10
56	Enhancement of glass-forming ability of FeSiBP bulk glassy alloys with good soft-magnetic properties and high corrosion resistance. Journal of Alloys and Compounds, 2012, 533, 67-70.	5.5	32
57	Ni- and Be-free Zr-based bulk metallic glasses with high glass-forming ability and unusual plasticity. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 13, 166-173.	3.1	20
58	Glass formability and the Alâ€“Au system. Philosophical Magazine, 2012, 92, 655-665.	1.6	26
59	Formation of Metallic Glass Nanowires by Gas Atomization. Nano Letters, 2012, 12, 2404-2407.	9.1	51
60	Rapid Degradation of Azo Dye by Feâ€Based Metallic Glass Powder. Advanced Functional Materials, 2012, 22, 2567-2570.	14.9	259
61	Structural Relaxation, Glass Transition, Viscous Formability, and Crystallization of Zr-Cuâ€“Based Bulk Metallic Glasses on Heating. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2642-2648.	2.2	11
62	Bendable bulk metallic glass: Effects of a thin, adhesive, strong, and ductile coating. Acta Materialia, 2012, 60, 3226-3238.	7.9	67
63	Radial and longitudinal variations in the Young's modulus of a Zr55Al10Ni5Cu30 bulk metallic glass rod. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 534, 459-464.	5.6	0
64	Fabrication of Molds with 25-nm Dot-Pitch Pattern by Focused Ion Beam and Reactive Ion Etching for Nanoimprint Using Metallic Glass. Japanese Journal of Applied Physics, 2012, 51, 086702.	1.5	2
65	A nanostructured skeleton catalyst: Suzuki-coupling with a reusable and sustainable nanoporous metallic glass Pd-catalyst. Chemical Communications, 2011, 47, 5985.	4.1	60
66	Formation and properties of two-phase bulk metallic glasses by spark plasma sintering. Journal of Alloys and Compounds, 2011, 509, S214-S218.	5.5	16
67	Glassy alloy composites for bit-patterned-media. Journal of Alloys and Compounds, 2011, 509, S145-S147.	5.5	9
68	Glass-forming ability and soft magnetic properties of (Co0.6Fe0.3Ni0.1)67B22+xSi6â^'xNb5 bulk glassy alloys. Journal of Alloys and Compounds, 2011, 509, S206-S209.	5.5	14
69	Non-equilibrium copper-based crystalline alloy sheet having ultrahigh strength and good electrical conductivity. Journal of Alloys and Compounds, 2011, 509, S361-S363.	5.5	1
70	Mo microalloying effect on the glass-forming ability, magnetic, mechanical and corrosion properties of (Fe0.76Si0.096B0.084P0.06)100-xMox bulk glassy alloys. Journal of Alloys and Compounds, 2011, 509, 7688-7691.	5.5	40
71	Improved plasticity of iron-based high-strength bulk metallic glasses by copper-induced nanocrystallization. Journal of Non-Crystalline Solids, 2011, 357, 3002-3005.	3.1	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. Journal of Applied Physics, 2011, 110, 023513.	2.5	15
74	Suppression of Crystallization in Ti-Based Alloys by Fluxing. Materials Transactions, 2011, 52, 458-463.	1.2	3
75	Nanoimprinting of Metallic Glass for Periodic Nano-Hole Structures with Dies Fabricated by FIB-CVD and RIE. Materials Transactions, 2011, 52, 239-242.	1.2	14
76	Plastic Working of Metallic Glass Bolts by Cold Thread Rolling. Materials Transactions, 2011, 52, 243-249.	1.2	12
77	Direct observation of local atomic order in a metallic glass. Nature Materials, 2011, 10, 28-33.	27.5	483
78	He ion irradiation induced nanocrystallization in Cu50Zr45Ti5 glassy alloy. Surface and Coatings Technology, 2011, 206, 829-833.	4.8	25
79	Enhancement of soft magnetic properties of FeCoNbB nanocrystalline alloys with Cu and Ni additions. Thin Solid Films, 2011, 519, 8280-8282.	1.8	10
80	Dealloying by metallic melt. Materials Letters, 2011, 65, 1076-1078.	2.6	193
81	Study on continuous casting of bulk metallic glass. Materials Letters, 2011, 65, 2257-2260.	2.6	16
82	Control of wetting on Ti-based bulk metallic glass surfaces by a hydrothermal method. Journal of Materials Science, 2011, 46, 3430-3435.	3.7	1
83	Microwave-Induced Sintering of Cu-Based Metallic Glass Matrix Composites in a Single-Mode 915-MHz Applicator. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1463-1467.	2.2	7
84	Tough Hypoeutectic Zr-Based Bulk Metallic Glasses. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1468-1475.	2.2	26
85	Nanoporous PdNi Bimetallic Catalyst with Enhanced Electrocatalytic Performances for Electro-oxidation and Oxygen Reduction Reactions. Advanced Functional Materials, 2011, 21, 4364-4370.	14.9	251
86	Reusable and Sustainable Nanostructured Skeleton Catalyst: Heck Reaction with Nanoporous Metallic Glass Pd (PdNPore) as a Support, Stabilizer and Ligandâ€Free Catalyst. Advanced Synthesis and Catalysis, 2011, 353, 2927-2932.	4.3	39
87	Elastic and viscoelastic properties of glassy, quasicrystalline and crystalline phases in Zr65Cu5Ni10Al7.5Pd12.5 alloys. Acta Materialia, 2011, 59, 2797-2806.	7.9	43
88	Glassy Alloy Composite and Non-equilibrium Crystalline Alloy for Information Technology Applications. Materials Research Society Symposia Proceedings, 2011, 1300, 1.	0.1	0
89	Fundamental Properties and Nano-imprintabilities of Zr-, Pd- and Cu-based Glassy Alloy Thin Films. Materials Research Society Symposia Proceedings, 2011, 1300, 1.	0.1	0
90	Bulk Metallic Glassy Composites with Excellent Electrical Conductivity and Enhanced Plasticity Fabricated by Spark Plasma Sintering. Materials Science Forum, 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.	2.6	20
94	Glass Formation, Chemical Properties and Surface Analysis of Cu-Based Bulk Metallic Glasses. International Journal of Molecular Sciences, 2011, 12, 2275-2293.	4.1	15
95	Enhancement of solderability of Cu60Zr30Ti10 bulk metallic glass by dealloying in hydrofluoric acid solution. Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society, 2011, 29, 147s-150s.	0.5	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 B2 phase in Zr₅₀Cu_{50â€“}_xAl_x (x = 0, 4, 6) metallic glasses by rapidly heating and cooling. Journal of Materials Research, 2010, 25, 793-800.	2.6	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.	1.2	2
99	Composition Control of Pd-Cu-Si Metallic Glassy Alloys for Thin Film Hydrogen Sensor. Materials Transactions, 2010, 51, 2133-2138.	1.2	14
100	Development of W-Reinforced Zr-Based Metallic Glass. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2010, 74, 85-88.	0.4	5
101	Effect of Nb on Transformation Kinetics and Mechanical Properties in Zr-Al-Ni-Cu Metallic Glasses. Materials Transactions, 2010, 51, 1188-1193.	1.2	4
102	Hydrogen sensing ability of Pd-based amorphous alloys. Sensors and Actuators B: Chemical, 2010, 150, 279-284.	7.8	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.	4.9	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.	2.2	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.	2.2	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.	2.2	7
107	Development of novel metallic glass/polymer composite materials by microwave heating in a separated H-field. Materials Letters, 2010, 64, 235-238.	2.6	9
108	Controlled Formation and Mechanical Characterization of Metallic Glassy Nanowires. Advanced Materials, 2010, 22, 872-875.	21.0	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.	5.6	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.	5.6	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.	0.2	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.	0.2	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 Zrâ€“Cuâ€“Al bulk glass-forming alloys. Philosophical Magazine, 2010, 90, 1955-1968.	1.6	41
116	Role of Alloying Additions in Glass Formation and Properties of Bulk Metallic Glasses. Materials, 2010, 3, 5320-5339.	2.9	56
117	Effects of B and Si contents on glass-forming ability and soft-magnetic properties in (Co0.89Fe0.057Nb0.053)100â^'x(B0.8Si0.2)x glassy alloys. Journal of Applied Physics, 2010, 107, .	2.5	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.	2.5	10
119	Comparative analysis of glass-formation in binary, ternary, and multicomponent alloys. Journal of Applied Physics, 2010, 108, 103511.	2.5	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.	3.9	25
121	Glassy alloy composites for information technology applications. Intermetallics, 2010, 18, 1983-1987.	3.9	25
122	Cu particulate dispersed Cu50Zr45Al5 bulk metallic glassy composite with enhanced electrical conductivity. Intermetallics, 2010, 18, 1973-1977.	3.9	20
123	Thermal stability, mechanical properties and nano-imprint ability of Pd-Cu-Ni-P glassy alloy thin film. Intermetallics, 2010, 18, 1969-1972.	3.9	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.	3.9	30
125	In situ phase separation and flow behavior in the glass transition region. Intermetallics, 2010, 18, 1235-1239.	3.9	23
126	Ultrasonic characteristics of porous Zr55Cu30Al10Ni5 bulk metallic glass fabricated by spark plasma sintering. Intermetallics, 2010, 18, 2014-2018.	3.9	18

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127	Unusual solidification behavior of a Zrâ€“Cuâ€“Niâ€“Al bulk glassy alloy made from low-purity Zr. Intermetallics, 2010, 18, 1531-1536.	3.9	21
128	Structure, mechanical properties and imprint-ability of Pdâ€“Cuâ€“Niâ€“P glassy alloy thin film prepared by a pulsed-laser deposition method. Journal of Non-Crystalline Solids, 2010, 356, 1542-1545.	3.1	11
129	New nickel-based bulk metallic glasses with extremely high nickel content. Journal of Alloys and Compounds, 2010, 489, 80-83.	5.5	15
130	Local atomic structure of Ni60Pd20P20 and Ni60Pd20P17B3 bulk metallic glasses and the origin of glass forming ability. Journal of Alloys and Compounds, 2010, 496, 135-139.	5.5	7
131	Effect of Co concentration on thermal stability and magnetic properties of (Fe,Co)â€“Nbâ€“Gdâ€“B glassy alloys. Journal of Alloys and Compounds, 2010, 504, S129-S131.	5.5	6
132	Glass-forming ability and magnetic properties of CoFeMoYB bulk glassy alloys with large supercooled liquid region. Journal of Alloys and Compounds, 2010, 504, S132-S134.	5.5	6
133	Effect of Nb addition on the glass-forming ability, mechanical and soft-magnetic properties in (Co0.942Fe0.058)72â^'xNbxB22.4Si5.6 bulk glassy alloys. Journal of Alloys and Compounds, 2010, 504, S31-S33.	5.5	22
134	Zr-based bulk glassy alloy with improved resistance to stress corrosion cracking in sodium chloride solutions. Corrosion Science, 2010, 52, 2950-2957.	6.6	22
135	Recent Development and Applications of Bulk Glassy Alloys. International Journal of Applied Glass Science, 2010, 1, 273-295.	2.0	44
136	Electrochemical synthesis of palladium nanostructures with controllable morphology. Nanotechnology, 2010, 21, 085601.	2.6	27
137	Deformation-induced structural transformation leading to compressive plasticity in Zr₆₅Al_{7.5}Ni₁₀Cu_{12.5}M₅ (M = Nb, Pd) glassy alloys. Journal of Materials Research, 2010, 25, 1149-1158.	2.6	6
138	Double-stage glass transition in a metallic glass. Physical Review B, 2010, 81, .	3.2	37
139	Tensile deformation behaviour of Zr-based glassy alloys. Philosophical Magazine Letters, 2010, 90, 139-148.	1.2	23
140	Development of Powder Metallurgy Aluminum Alloys with High Strength and High Elevated Temperature Strength. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2009, 56, 697-708.	0.2	2
141	Melt-Liquid Joining of Heterogeneity Metallic Glassy Alloy and Mechanical Properties. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2009, 56, 693-696.	0.2	0
142	Cast of Bulk Glassy Alloys. Zairyo/Journal of the Society of Materials Science, Japan, 2009, 58, 193-198.	0.2	3
143	Brittle metallic glass deforms plastically at room temperature in glassy multilayers. Physical Review B, 2009, 80, .	3.2	32
144	Cap casting and enveloped casting techniques for Zr₅₅Cu₃₀Ni₅Al₁₀glassy alloy rod with 32 mm in diameter. Journal of Physics: Conference Series, 2009, 144, 012043.	0.4	14

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145	Magneto-thermo-gravimetric technique to investigate the structural and magnetic properties of Fe-B-Nb-Y Bulk Metallic Glass. Journal of Physics: Conference Series, 2009, 144, 012074.	0.4	8
146	Formation and properties of new Cu-based bulk glassy alloys with critical diameters up to 1.5 cm. Journal of Materials Research, 2009, 24, 2935-2940.	2.6	11
147	Two-stage-like glass transition and the glass-forming ability of a soft magnetic Fe-based glassy alloy. Journal of Applied Physics, 2009, 105, 053518.	2.5	12
148	Effect of Ag addition on local structure of Cuâ€“Zr glassy alloy. Journal of Materials Research, 2009, 24, 274-278.	2.6	20
149	Electrochemical and XPS studies of Ni-based metallic glasses in boiling nitric acid solutions. Electrochimica Acta, 2009, 54, 1612-1617.	5.2	25
150	On the new criterion to assess the glass-forming ability of metallic alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 509, 23-30.	5.6	59
151	Effects of growing integrated layer [GIL] formation on bonding behavior between hydroxyapatite ceramics and Ti-based bulk metallic glasses via hydrothermal hot-pressing. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 161, 27-30.	3.5	14
152	Investigation of glass-forming ability, deformation and corrosion behavior of Ni-free Ti-based BMG alloys designed for application as dental implants. Materials Science and Engineering C, 2009, 29, 322-327.	7.3	80
153	Heat capacity measurements on a thin ribbon sample of Zr0.55Al0.10Ni0.05Cu0.30 glassy alloy and Apiezon N high vacuum grease using a Quantum Design Physical Property Measurement System. Cryogenics, 2009, 49, 185-191.	1.7	16
154	Bioactive titanate nanomesh layer on the Ti-based bulk metallic glass by hydrothermalâ€“electrochemical technique. Acta Biomaterialia, 2009, 5, 1367-1373.	8.3	41
155	Low Temperature Heat Capacity and Thermodynamic Functions of Zr_{0.55}Al_{0.10}Ni_{0.05}Cu_{0.30}. Journal of Chemical & Engineering Data, 2009, 54, 2033-2037.	1.9	2
156	Effect of Sn on microwave-induced heating and sintering of Ni-based metallic glassy alloy powders. Intermetallics, 2009, 17, 274-277.	3.9	12
157	Clustered crystalline structures as glassy phase approximants. Intermetallics, 2009, 17, 477-480.	3.9	19
158	Dual phase metallic glassy composites with large-size and ultra-high strength fabricated by spark plasma sintering. Intermetallics, 2009, 17, 512-516.	3.9	28
159	Volume and viscosity of Zrâ€“Cuâ€“Al glass-forming liquid alloys. Journal of Non-Crystalline Solids, 2009, 355, 317-322.	3.1	40
160	Synthesis of ferromagnetic Fe-based bulk glassy alloys in the Feâ€“Siâ€“Bâ€“Pâ€“C system. Journal of Alloys and Compounds, 2009, 473, 368-372.	5.5	43
161	Effect of B addition to hypereutectic Ti-based alloys. Journal of Alloys and Compounds, 2009, 474, 131-133.	5.5	10
162	A new criterion for predicting the glass-forming ability of bulk metallic glasses. Journal of Alloys and Compounds, 2009, 475, 207-219.	5.5	115

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