

Akihisa Inoue

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10826655/akihisa-inoue-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

920
papers

48,372
citations

99
h-index

191
g-index

925
ext. papers

50,890
ext. citations

3.2
avg, IF

7.87
L-index

#	Paper	IF	Citations
920	Graphene and Carbon Nanotubes Fibrous Composite Decorated with PdMg Alloy Nanoparticles with Enhanced Absorption-Desorption Kinetics for Hydrogen Storage Application. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
919	Dual-phase nanostructuring as a route to flexible nanoporous metals with outstanding comprehensive mechanical properties. <i>Science China Materials</i> , 2021 , 64, 2289-2304	7.1	5
918	Microstructure and mechanical properties of TC4 joints brazed with Ti ₄₂ Zr ₁₀ Cu ₁₅ Ni ₃₃ amorphous filler alloy. <i>Rare Metals</i> , 2021 , 40, 1881-1889	5.5	2
917	Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ amorphous alloy film prepared by magnetron sputtering method. <i>Rare Metals</i> , 2021 , 40, 2237-2243	5.5	1
916	Structural homology of the strength for metallic glasses. <i>Journal of Materials Science and Technology</i> , 2021 , 81, 123-130	9.1	1
915	Bulk Metallic Glasses 2021 , 919-936		1
914	Highly efficient nanoporous CoBP electrocatalyst for hydrogen evolution reaction. <i>Rare Metals</i> , 2021 , 40, 1031-1039	5.5	10
913	Soft Magnetic Materials 2020 , 10-10		7
912	Preparation of nanoporous Sn-doped TiO ₂ anode material for lithium-ion batteries by a simple dealloying method. <i>Ionics</i> , 2020 , 26, 4363-4372	2.7	5
911	An amorphous nanoporous PdCuNi-S hybrid electrocatalyst for highly efficient hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2019 , 246, 156-165	21.8	49
910	Recent Topics on the Structure and Crystallization of Al-based Glassy Alloys. <i>Materials Research</i> , 2019 , 22,	1.5	11
909	Introduction to Amorphous Alloys and Metallic Glasses 2019 , 3-22		
908	Highly Efficient and Self-Standing Nanoporous NiO/Al ₃ Ni ₂ Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7913-7922	6.1	22
907	Static and Dynamic Thermal Properties of a Pd ₄₀ Ni ₄₀ Si ₂₀ Glassy Alloy. <i>Metals</i> , 2019 , 9, 1157	2.3	
906	A nanoporous metal phosphide catalyst for bifunctional water splitting. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5574-5579	13	76
905	Influence of laser surface melting treatment on the surface composition and mechanical properties of a Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{12.5} Ag ₅ bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2018 , 488, 63-68	3.9	5
904	Ductile Fe-based bulk metallic glasses at room temperature. <i>Materials Science and Technology</i> , 2018 , 34, 751-756	1.5	8

903	Features and Prospects of Multicomponent Metallic Glasses. <i>Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2018 , 65, 37-44	0.2	
902	Synthesis of Br-doped TiO ₂ hollow spheres with enhanced photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	9
901	The Development of Structure Model in Metallic Glasses. <i>Materials Research</i> , 2017 , 20, 326-338	1.5	8
900	A highly efficient electrocatalyst based on amorphous PdCuS material for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18793-18800	13	47
899	Synthesis of nanoporous CuO/TiO ₂ /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	8.9	41
898	Novel bioactive Fe-based metallic glasses with excellent apatite-forming ability. <i>Materials Science and Engineering C</i> , 2016 , 69, 513-21	8.3	18
897	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	5.7	24
896	Preparation and electrocatalytic performance of the Pt supported on the alkali-treated nanoporous TiO ₂ material. <i>Ionics</i> , 2015 , 21, 2863-2869	2.7	2
895	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		3
894	Effects of Minor Additions on Ni- and Be-Free Ti-Based Bulk Glassy Alloys. <i>Materials Science Forum</i> , 2015 , 833, 79-84	0.4	1
893	Nanoporous CuS with excellent photocatalytic property. <i>Scientific Reports</i> , 2015 , 5, 18125	4.9	93
892	Bulk Glassy Alloys: Historical Development and Current Research. <i>Engineering</i> , 2015 , 1, 185-191	9.7	43
891	Effects of Metallic Glass Precursors on the Catalytic Performance of Nanoporous Metals. <i>Materials Research</i> , 2015 , 18, 110-114	1.5	
890	Development and Applications of Highly Functional Al-based Materials by Use of Metastable Phases. <i>Materials Research</i> , 2015 , 18, 1414-1425	1.5	28
889	Multicomponent nanoporous metals prepared by dealloying Pd ₈₀ Ni _x P ₂₀ metallic glasses. <i>Intermetallics</i> , 2015 , 61, 66-71	3.5	14
888	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	2.5	29
887	Zr-based bulk metallic glass composite with in situ precipitated nanocrystals. <i>Journal of Alloys and Compounds</i> , 2014 , 586, 155-158	5.7	13
886	Origin of abnormal glass transition behavior in metallic glasses. <i>Intermetallics</i> , 2014 , 49, 52-56	3.5	12

885	Surface modified Ti based metallic glasses for bioactivation by electrochemical treatment technique. <i>Journal of Alloys and Compounds</i> , 2014 , 615, S136-S141	5.7	5
884	Soft magnetic properties and microstructure of Fe ₈₄ Nb ₂ B ₁₄ Cu nanocrystalline alloys. <i>Materials & Design</i> , 2014 , 56, 227-231		36
883	Mechanical properties and structural features of novel Fe-based bulk metallic glasses with unprecedented plasticity. <i>Scientific Reports</i> , 2014 , 4, 6233	4.9	85
882	Composition effect on intrinsic plasticity or brittleness in metallic glasses. <i>Scientific Reports</i> , 2014 , 4, 5733	4.9	18
881	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	2.5	22
880	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	1.5	
879	A new CoFe-based bulk metallic glasses with high thermoplastic forming ability. <i>Scripta Materialia</i> , 2013 , 69, 553-556	5.6	16
878	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
877	A novel Ti-based nanoglass composite with submicron-nanometer-sized hierarchical structures to modulate osteoblast behaviors. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 2568-2574	7.3	52
876	Bulk Metallic Glasses: Formation, Structure, Properties, and Applications. <i>Handbook of Magnetic Materials</i> , 2013 , 21, 131-171	1.3	28
875	Radial and longitudinal variations in the Young's modulus of a Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ bulk metallic glass rod. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 534, 459-464	5.3	
874	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	0.5	1
873	The world's biggest glassy alloy ever made. <i>Intermetallics</i> , 2012 , 30, 19-24	3.5	117
872	Interpreting temperature evolution of a bulk-metallic glass during cyclic loading through spatial-temporal modeling. <i>Intermetallics</i> , 2012 , 29, 1-13	3.5	4
871	Ni-free Ti-based bulk metallic glass with potential for biomedical applications produced by spark plasma sintering. <i>Intermetallics</i> , 2012 , 29, 99-103	3.5	50
870	Excellent capability in degrading azo dyes by MgZn-based metallic glass powders. <i>Scientific Reports</i> , 2012 , 2, 418	4.9	99
869	Atomic structure changes and phase transformation behavior in PdBi bulk glass-forming alloy. <i>Intermetallics</i> , 2012 , 20, 135-140	3.5	13
868	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	3.5	20

867	Structural relaxation and crystallization processes in Cu ₅₅ Hf ₂₅ Ti ₁₅ Pd ₅ metallic glassy alloy. <i>Intermetallics</i> , 2012 , 23, 177-181	3.5	9
866	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	5.7	32
865	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, 166-73	4.1	18
864	Glass formability and the AlAu system. <i>Philosophical Magazine</i> , 2012 , 92, 655-665	1.6	19
863	Formation of metallic glass nanowires by gas atomization. <i>Nano Letters</i> , 2012 , 12, 2404-7	11.5	43
862	Rapid Degradation of Azo Dye by Fe-Based Metallic Glass Powder. <i>Advanced Functional Materials</i> , 2012 , 22, 2567-2570	15.6	214
861	Structural Relaxation, Glass Transition, Viscous Formability, and Crystallization of Zr-CuBased Bulk Metallic Glasses on Heating. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 2642-2648	2.3	11
860	Bendable bulk metallic glass: Effects of a thin, adhesive, strong, and ductile coating. <i>Acta Materialia</i> , 2012 , 60, 3226-3238	8.4	62
859	Precipitation in Zr-Based Ternary Alloys during Quenching. <i>Materials Science Forum</i> , 2012 , 706-709, 1348-1352	1.3	5
858	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, 061602	1.3	11
857	The Effect of Co Addition on Glassy Forming Ability and Soft Magnetic Properties of Fe-Si-B-P Bulk Metallic Glass. <i>Key Engineering Materials</i> , 2012 , 508, 112-116	0.4	3
856	Effect of Minor Sn Additions on the Formation and Properties of TiCuZrPd Bulk Glassy Alloy. <i>Materials Transactions</i> , 2012 , 53, 500-503	1.3	26
855	Interface Microstructure and Mechanical Properties of Dissimilar Friction Stir Welded Joints between Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀ Bulk Metallic Glass and Pure Al. <i>Materials Transactions</i> , 2012 , 53, 1106-1112	1.3	2
854	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	1.4	2
853	Formation and properties of two-phase bulk metallic glasses by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S214-S218	5.7	14
852	Glassy alloy composites for bit-patterned-media. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S145-S147	5.7	9
851	Glass-forming ability and soft magnetic properties of (Co _{0.6} Fe _{0.3} Ni _{0.1}) ₆₇ B ₂₂ +xSi ₆ Nb ₅ bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , 2011 , 509, S206-S209	5.7	13
850	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	5.7	1

849	Mo microalloying effect on the glass-forming ability, magnetic, mechanical and corrosion properties of (Fe _{0.76} Si _{0.096} B _{0.084} P _{0.06}) _{100-x} Mox bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7688-7691	5.7	31
848	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	3.9	14
847	Ti-Based Bulk Metallic Glasses for Biomedical Applications 2011 ,		5
846	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	2.5	13
845	Suppression of Crystallization in Ti-Based Alloys by Fluxing. <i>Materials Transactions</i> , 2011 , 52, 458-463	1.3	3
844	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	1.3	14
843	Plastic Working of Metallic Glass Bolts by Cold Thread Rolling. <i>Materials Transactions</i> , 2011 , 52, 243-249	1.3	8
842	Direct observation of local atomic order in a metallic glass. <i>Nature Materials</i> , 2011 , 10, 28-33	2.7	391
841	He ion irradiation induced nanocrystallization in Cu ₅₀ Zr ₄₅ Ti ₅ glassy alloy. <i>Surface and Coatings Technology</i> , 2011 , 206, 829-833	4.4	21
840	Enhancement of soft magnetic properties of FeCoNbB nanocrystalline alloys with Cu and Ni additions. <i>Thin Solid Films</i> , 2011 , 519, 8280-8282	2.2	8
839	Dealloying by metallic melt. <i>Materials Letters</i> , 2011 , 65, 1076-1078	3.3	148
838	Study on continuous casting of bulk metallic glass. <i>Materials Letters</i> , 2011 , 65, 2257-2260	3.3	15
837	Control of wetting on Ti-based bulk metallic glass surfaces by a hydrothermal method. <i>Journal of Materials Science</i> , 2011 , 46, 3430-3435	4.3	1
836	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	2.3	3
835	Tough Hypoeutectic Zr-Based Bulk Metallic Glasses. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011 , 42, 1468-1475	2.3	20
834	Nanoporous PdNi Bimetallic Catalyst with Enhanced Electrocatalytic Performances for Electro-oxidation and Oxygen Reduction Reactions. <i>Advanced Functional Materials</i> , 2011 , 21, 4364-4370	15.6	227
833	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	5.6	34
832	A nanostructured skeleton catalyst: Suzuki-coupling with a reusable and sustainable nanoporous metallic glass Pd-catalyst. <i>Chemical Communications</i> , 2011 , 47, 5985-7	5.8	55

831	Elastic and viscoelastic properties of glassy, quasicrystalline and crystalline phases in Zr ₆₅ Cu ₅ Ni ₁₀ Al _{7.5} Pd _{12.5} alloys. <i>Acta Materialia</i> , 2011 , 59, 2797-2806	8.4	39
830	Preparation and Characterisation of Amorphous Alloy Membranes 2011 , 459-473		1
829	Glassy Alloy Composite and Non-equilibrium Crystalline Alloy for Information Technology Applications. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1300, 1		
828	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		
827	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	0.4	2
826	Binary Ni-Ta Bulk Metallic Glasses Designed by Using a Cluster-Plus-Glue-Atom Model. <i>Materials Science Forum</i> , 2011 , 688, 395-399	0.4	1
825	Effect of Minor Addition of Noble Elements on Microstructure and Mechanical Properties of Ti-Based Bulk Metallic Glasses. <i>Applied Mechanics and Materials</i> , 2011 , 148-149, 241-244	0.3	2
824	Mechanical and Electrical Properties of Rapidly Solidified Cu-Zr-Ag Alloy Fabricated by Powder Rolling Process. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1300, 1		
823	Fabrication and nano-imprintabilities of Zr-, Pd- and Cu-based glassy alloy thin films. <i>Nanotechnology</i> , 2011 , 22, 105302	3.4	15
822	Porous Bulk Metallic Glass Produced by Spark Plasma Sintering of Gas Atomized Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ Glassy Powders. <i>Ceramic Transactions</i> , 2011 , 45-50	0.1	
821	Glass formation, chemical properties and surface analysis of Cu-based bulk metallic glasses. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 2275-93	6.3	10
820	Enhancement of solderability of Cu ₆₀ Zr ₃₀ Ti ₁₀ bulk metallic glass by dealloying in hydrofluoric acid solution. <i>Yosetsu Gakkai Ronbunshu/Quarterly Journal of the Japan Welding Society</i> , 2011 , 29, 147s-150s	0.7	2
819	Development of Cu Clad Cu-Zr Based Metallic Glass and Its Solderability. <i>Journal of High Temperature Society</i> , 2011 , 37, 153-158		
818	Effect of Strain Rate on Tensile and Compressive Plastic Deformation of Zr ₇₀ Ni ₁₆ Cu ₆ Al ₈ Bulk Metallic Glass. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2010 , 59, 118-123	0.1	5
817	Metallic Glass 2010 , 447-472		1
816	Compositional Dependence of the Viscosity of Zr-Cu-Al Alloys in the Supercooled Liquid State. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2010 , 59, 124-129	0.1	5
815	High Glass-Forming Ability and Unusual Deformation Behavior of New Zr-Cu-Fe-Al Bulk Metallic Glasses. <i>Materials Science Forum</i> , 2010 , 654-656, 1042-1045	0.4	10
814	Consolidation Behavior of Cu-Zr-Al Metallic Glass Powder by Spark Plasma Sintering. <i>Materials Science Forum</i> , 2010 , 654-656, 1086-1089	0.4	4

813	Effect of Fe on the glass-forming ability, structure and devitrification behavior of ZrCuAl bulk glass-forming alloys. <i>Philosophical Magazine</i> , 2010 , 90, 1955-1968	1.6	38
812	Role of Alloying Additions in Glass Formation and Properties of Bulk Metallic Glasses. <i>Materials</i> , 2010 , 3, 5320-5339	3.5	42
811	Effects of B and Si contents on glass-forming ability and soft-magnetic properties in (Co _{0.89} Fe _{0.057} Nb _{0.053}) _{100-x} (B _{0.8} Si _{0.2}) _x glassy alloys. <i>Journal of Applied Physics</i> , 2010 , 107, 09A319	2.5	13
810	Enhanced glass-forming ability of FeCoBSiNb bulk glassy alloys prepared using commercial raw materials through the optimization of Nb content. <i>Journal of Applied Physics</i> , 2010 , 107, 09A315	2.5	9
809	Comparative analysis of glass-formation in binary, ternary, and multicomponent alloys. <i>Journal of Applied Physics</i> , 2010 , 108, 103511	2.5	36
808	Microstructure and mechanical properties of crystalline particulates dispersed Ni-based metallic glassy composites fabricated by spark plasma sintering. <i>Intermetallics</i> , 2010 , 18, 851-858	3.5	24
807	Glassy alloy composites for information technology applications. <i>Intermetallics</i> , 2010 , 18, 1983-1987	3.5	25
806	Cu particulate dispersed Cu ₅₀ Zr ₄₅ Al ₅ bulk metallic glassy composite with enhanced electrical conductivity. <i>Intermetallics</i> , 2010 , 18, 1973-1977	3.5	18
805	Thermal stability, mechanical properties and nano-imprint ability of Pd-Cu-Ni-P glassy alloy thin film. <i>Intermetallics</i> , 2010 , 18, 1969-1972	3.5	14
804	Enhancement of glass-forming ability of CoFeBSiNb bulk glassy alloys with excellent soft-magnetic properties and superhigh strength. <i>Intermetallics</i> , 2010 , 18, 1876-1879	3.5	28
803	In situ phase separation and flow behavior in the glass transition region. <i>Intermetallics</i> , 2010 , 18, 1235-1239	3.5	22
802	Ultrasonic characteristics of porous Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass fabricated by spark plasma sintering. <i>Intermetallics</i> , 2010 , 18, 2014-2018	3.5	16
801	Unusual solidification behavior of a ZrCuNiAl bulk glassy alloy made from low-purity Zr. <i>Intermetallics</i> , 2010 , 18, 1531-1536	3.5	18
800	Structure, mechanical properties and imprint-ability of PdCuNiB glassy alloy thin film prepared by a pulsed-laser deposition method. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 1542-1545	3.9	8
799	New nickel-based bulk metallic glasses with extremely high nickel content. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 80-83	5.7	13
798	Local atomic structure of Ni ₆₀ Pd ₂₀ P ₂₀ and Ni ₆₀ Pd ₂₀ P ₁₇ B ₃ bulk metallic glasses and the origin of glass forming ability. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 135-139	5.7	7
797	Effect of Co concentration on thermal stability and magnetic properties of (Fe,Co) ₈₀ Nb ₁₀ Co ₁₀ B glassy alloys. <i>Journal of Alloys and Compounds</i> , 2010 , 504, S129-S131	5.7	5
796	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	5.7	6

795	Effect of Nb addition on the glass-forming ability, mechanical and soft-magnetic properties in (Co _{0.942} Fe _{0.058}) ₇₂ Nb _x B _{22.4} Si _{5.6} bulk glassy alloys. <i>Journal of Alloys and Compounds</i> , 2010 , 504, S31-S33	5.7	22
794	Zr-based bulk glassy alloy with improved resistance to stress corrosion cracking in sodium chloride solutions. <i>Corrosion Science</i> , 2010 , 52, 2950-2957	6.8	18
793	Recent Development and Applications of Bulk Glassy Alloys. <i>International Journal of Applied Glass Science</i> , 2010 , 1, 273-295	1.8	39
792	Electrochemical synthesis of palladium nanostructures with controllable morphology. <i>Nanotechnology</i> , 2010 , 21, 85601	3.4	25
791	Deformation-induced structural transformation leading to compressive plasticity in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{12.5} M ₅ (M = Nb, Pd) glassy alloys. <i>Journal of Materials Research</i> , 2010 , 25, 1149-1158	2.5	4
790	Double-stage glass transition in a metallic glass. <i>Physical Review B</i> , 2010 , 81,	3.3	33
789	Tensile deformation behaviour of Zr-based glassy alloys. <i>Philosophical Magazine Letters</i> , 2010 , 90, 139-148		22
788	Precipitation of the ZrCu B2 phase in Zr ₅₀ Cu _{50-x} Al _x (x = 0, 4, 6) metallic glasses by rapidly heating and cooling. <i>Journal of Materials Research</i> , 2010 , 25, 793-800	2.5	14
787	Influence of Precipitation Behavior of Different Crystalline Phases for Embrittlement Behavior of Several Zr-Based Metallic Glasses. <i>Materials Transactions</i> , 2010 , 51, 2033-2038	1.3	2
786	Composition Control of Pd-Cu-Si Metallic Glassy Alloys for Thin Film Hydrogen Sensor. <i>Materials Transactions</i> , 2010 , 51, 2133-2138	1.3	11
785	Development of W-Reinforced Zr-Based Metallic Glass. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2010 , 74, 85-88	0.4	3
784	Effect of Nb on Transformation Kinetics and Mechanical Properties in Zr-Al-Ni-Cu Metallic Glasses. <i>Materials Transactions</i> , 2010 , 51, 1188-1193	1.3	4
783	Hydrogen sensing ability of Pd-based amorphous alloys. <i>Sensors and Actuators B: Chemical</i> , 2010 , 150, 279-284	8.5	17
782	Synthesis, structure and mechanical properties of Zr-Cu-based bulk metallic glass composites. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2010 , 17, 208-213	3.1	7
781	Ni-Nb-Sn Bulk Metallic Glass Matrix Composites Fabricated by Microwave-Induced Sintering Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 1714-1719	2.3	3
780	Effect of Nb Concentration on Thermal Stability and Glass-Forming Ability of Soft Magnetic (Fe,Co)-Gd-Nb-B Glassy Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 1685-1690	2.3	3
779	Comparison of Fatigue Strengths of Bulk Metallic Glasses Produced by Tilt Casting and High-Pressure Casting. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 1780-1786	2.3	7
778	Development of novel metallic glass/polymer composite materials by microwave heating in a separated H-field. <i>Materials Letters</i> , 2010 , 64, 235-238	3.3	8

777	Controlled formation and mechanical characterization of metallic glassy nanowires. <i>Advanced Materials</i> , 2010 , 22, 872-5	24	42
776	Effect of Cu on nanocrystallization and plastic properties of FeSiBPCu bulk metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2598-2602	5.3	38
775	Microstructure in a Ni60Pd20P17B3 bulk metallic glass compressively fractured at cryogenic temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 528, 391-396	5.3	4
774	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	0.2	2
773	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	0.2	
772	Cast of Bulk Glassy Alloys. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2009 , 58, 193-198	0.1	3
771	Brittle metallic glass deforms plastically at room temperature in glassy multilayers. <i>Physical Review B</i> , 2009 , 80,	3.3	27
770	Cap casting and enveloped casting techniques for Zr55Cu30Ni5Al10 glassy alloy rod with 32 mm in diameter. <i>Journal of Physics: Conference Series</i> , 2009 , 144, 012043	0.3	10
769	Magneto-thermo-gravimetric technique to investigate the structural and magnetic properties of Fe-B-Nb-Y Bulk Metallic Glass. <i>Journal of Physics: Conference Series</i> , 2009 , 144, 012074	0.3	6
768	Formation and properties of new Cu-based bulk glassy alloys with critical diameters up to 1.5 cm. <i>Journal of Materials Research</i> , 2009 , 24, 2935-2940	2.5	9
767	Two-stage-like glass transition and the glass-forming ability of a soft magnetic Fe-based glassy alloy. <i>Journal of Applied Physics</i> , 2009 , 105, 053518	2.5	11
766	Effect of Ag addition on local structure of Cu ₄₇ Zr glassy alloy. <i>Journal of Materials Research</i> , 2009 , 24, 274-278	2.5	19
765	Electrochemical and XPS studies of Ni-based metallic glasses in boiling nitric acid solutions. <i>Electrochimica Acta</i> , 2009 , 54, 1612-1617	6.7	24
764	On the new criterion to assess the glass-forming ability of metallic alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 509, 23-30	5.3	50
763	Effects of growing integrated layer [GIL] formation on bonding behavior between hydroxyapatite ceramics and Ti-based bulk metallic glasses via hydrothermal hot-pressing. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 161, 27-30	3.1	13
762	Investigation of glass-forming ability, deformation and corrosion behavior of Ni-free Ti-based BMG alloys designed for application as dental implants. <i>Materials Science and Engineering C</i> , 2009 , 29, 322-327	8.3	65
761	Heat capacity measurements on a thin ribbon sample of Zr _{0.55} Al _{0.10} Ni _{0.05} Cu _{0.30} glassy alloy and Apiezon N high vacuum grease using a Quantum Design Physical Property Measurement System. <i>Cryogenics</i> , 2009 , 49, 185-191	1.8	11
760	Bioactive titanate nanomesh layer on the Ti-based bulk metallic glass by hydrothermal-electrochemical technique. <i>Acta Biomaterialia</i> , 2009 , 5, 1367-73	10.8	39

759	Low Temperature Heat Capacity and Thermodynamic Functions of Zr _{0.55} Al _{0.10} Ni _{0.05} Cu _{0.30} . <i>Journal of Chemical & Engineering Data</i> , 2009 , 54, 2033-2037	2.8	2
758	Effect of Sn on microwave-induced heating and sintering of Ni-based metallic glassy alloy powders. <i>Intermetallics</i> , 2009 , 17, 274-277	3.5	11
757	Clustered crystalline structures as glassy phase approximants. <i>Intermetallics</i> , 2009 , 17, 477-480	3.5	18
756	Dual phase metallic glassy composites with large-size and ultra-high strength fabricated by spark plasma sintering. <i>Intermetallics</i> , 2009 , 17, 512-516	3.5	25
755	Volume and viscosity of Zr ₅₀ Ti ₅₀ Al glass-forming liquid alloys. <i>Journal of Non-Crystalline Solids</i> , 2009 , 355, 317-322	3.9	33
754	Synthesis of ferromagnetic Fe-based bulk glassy alloys in the Fe ₅₀ Si ₁₀ B ₁₀ Ti ₃₀ system. <i>Journal of Alloys and Compounds</i> , 2009 , 473, 368-372	5.7	39
753	Effect of B addition to hypereutectic Ti-based alloys. <i>Journal of Alloys and Compounds</i> , 2009 , 474, 131-137	5.7	9
752	A new criterion for predicting the glass-forming ability of bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2009 , 475, 207-219	5.7	96
751	Formation and thermal stability of new Zr ₅₀ Ti ₅₀ -based bulk glassy alloys with unusual glass-forming ability. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 112-115	5.7	11
750	Structure and crystallization kinetics of a Cu ₅₀ Zr ₄₅ Ti ₅ glassy alloy. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 24-27	5.7	19
749	Temperature dependence of the yield strain of a Zr-based metallic glass at the glassy state. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 150-153	5.7	1
748	Soft magnetic Fe ₅₀ Si ₁₀ B ₁₀ Ti ₃₀ bulk metallic glasses without any glass-forming metal elements. <i>Journal of Alloys and Compounds</i> , 2009 , 483, 616-619	5.7	71
747	Glass-forming ability and differences in the crystallization behavior of ribbons and rods of Cu ₃₆ Zr ₄₈ Al ₈ Ag ₈ bulk glass-forming alloy. <i>Journal of Materials Research</i> , 2009 , 24, 1886-1895	2.5	25
746	High-strength and ductile glassy-crystal Ni ₅₀ Ti ₅₀ Zr ₅ composite exhibiting stress-induced martensitic transformation. <i>Philosophical Magazine</i> , 2009 , 89, 2887-2901	1.6	41
745	Formation and bioactivation of Zr-Al-Co bulk metallic glasses. <i>Journal of Materials Research</i> , 2009 , 24, 2941-2948	2.5	89
744	Evaluation of the local environment for nanoscale quasicrystal formation in Zr(80)Pt(20) glassy alloy using Voronoi analysis. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 375104	1.8	19
743	Bulk metallic glass coating of polymer substrates. <i>Journal of Physics: Conference Series</i> , 2009 , 144, 012054	3.3	2
742	Glassy solidification criterion of Zr ₅₀ Cu ₄₀ Al ₁₀ alloy. <i>Journal of Physics: Conference Series</i> , 2009 , 144, 012044	3.4	4

741	Tailoring Thermally Induced Nano-Quasicrystallization and Deformation-Assisted Nanocrystallization for Mechanical Property Improvement in Zr-Al-Ni-Cu-Pd Bulk Metallic Glasses. <i>Materials Transactions</i> , 2009 , 50, 2079-2086	1.3	9
740	Interface Structure between Ti-Based Bulk Metallic Glasses and Hydroxyapatite Ceramics Jointed by Hydrothermal Techniques. <i>Materials Transactions</i> , 2009 , 50, 1308-1312	1.3	1
739	Dealloying of Cu-Zr-Ti Bulk Metallic Glass in Hydrofluoric Acid Solution. <i>Materials Transactions</i> , 2009 , 50, 1255-1258	1.3	34
738	Solderability of Bulk Metallic Glasses Using Lead-Free Solders. <i>Materials Transactions</i> , 2009 , 50, 1326-1329	1.3	14
737	Mechanical Properties of Soft Magnetic (Fe _{0.76} Si _{0.096} B _{0.084} P _{0.06}) _{100-x} Cu _x (x=0 and 0.1) Bulk Glassy Alloys. <i>Materials Transactions</i> , 2009 , 50, 1286-1289	1.3	5
736	Enhanced Tensile Strength and Plasticity of Zr-Cu-Al Bulk Glassy Alloys at Cryogenic Temperatures. <i>Materials Transactions</i> , 2009 , 50, 2685-2690	1.3	24
735	Friction Stir Welding of Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀ Bulk Metallic Glass. <i>Materials Transactions</i> , 2009 , 50, 1300-1303	1.3	12
734	Microstructure of Bonding Interface for Resistance Welding of Zr-Based Metallic Glass Sheets. <i>Materials Transactions</i> , 2009 , 50, 1259-1262	1.3	3
733	Densification of Gas Atomized Ni-Based Metallic Glassy Powders by Spark Plasma Sintering. <i>Materials Transactions</i> , 2009 , 50, 1273-1278	1.3	12
732	Interfacial Microstructure and Thermal Stability of Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀ Metallic Glass Joints Formed by Ultrasonic Bonding. <i>Materials Transactions</i> , 2009 , 50, 1263-1268	1.3	9
731	Heat Capacity and Thermodynamic Functions of Ni ₃₆ Nb ₂₄ Zr ₄₀ Glassy Alloy. <i>Materials Transactions</i> , 2009 , 50, 1247-1249	1.3	1
730	Formation and Mechanical Properties of New Cu-Rich Cu-Zr-Al-Ag Glassy Alloys with High Glass-Forming Ability. <i>Materials Transactions</i> , 2009 , 50, 679-682	1.3	2
729	Characterization of Surface Properties, Osteoblast Cell Culture in Vitro and Processing with Flow-Viscosity of Ni-Free Ti-Based Bulk Metallic Glass for Biomaterials. <i>Journal of Biomechanical Science and Engineering</i> , 2009 , 4, 384-391	0.8	14
728	Displacement Behavior Study of the Shear Stress Effect on the Early Viscous Flow Nature of Fe-B-Nb-Y Metallic Glassy Powder in Spark Plasma Sintering. <i>Materials Transactions</i> , 2009 , 50, 490-493	1.3	3
727	Preparation of Bulk Glassy Fe ₇₆ Si ₉ B ₁₀ P ₅ as a Soft Magnetic Material by Spark Plasma Sintering. <i>Materials Transactions</i> , 2009 , 50, 487-489	1.3	16
726	Glass-Forming Ability and Properties of New Au-Based Glassy Alloys with Low Au Concentrations. <i>Materials Transactions</i> , 2009 , 50, 1290-1293	1.3	19
725	Ni-Rich Bulk Metallic Glasses with High Glass-Forming Ability and Good Metallic Properties. <i>Materials Transactions</i> , 2009 , 50, 2441-2445	1.3	24
724	Microwave-induced sintering of NiNbTiPt metallic glass blended with Sn powders using a single-mode applicator. <i>Journal of Physics: Conference Series</i> , 2009 , 144, 012049	0.3	1

723	Glass formation in mechanical milled Ni-Ti-Zr-Sn pre-alloy powders. <i>Journal of Physics: Conference Series</i> , 2009 , 144, 012017	0.3	
722	Fabrication of Ni-Nb-Sn metallic glassy alloy powder and its microwave-induced sintering behavior. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2009 , 43, 17-22	1.4	2
721	Another clue to understand the yield phenomenon at the glassy state in a Zr55Al10Ni5Cu30 metallic glass. <i>Materials Letters</i> , 2008 , 62, 1592-1594	3.3	10
720	Magnetic behavior of cosputtered Fe-Zr amorphous thin films exhibiting perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2008 , 78,	3.3	24
719	Formation, mechanical properties and corrosion resistance of TiB ₂ base glassy alloys. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 1828-1832	3.9	39
718	Corrosion properties of Co ₄₃ Fe ₂₀ Ta _{5.5} B _{31.5} bulk glassy alloy. <i>Journal of Alloys and Compounds</i> , 2008 , 460, L11-L13	5.7	5
717	Glass-forming ability and crystallization behavior of some binary and ternary Ni-based glassy alloys. <i>Journal of Alloys and Compounds</i> , 2008 , 460, 409-413	5.7	10
716	Enhanced soft-magnetic and corrosion properties of Fe-based bulk glassy alloys with improved plasticity through the addition of Cr. <i>Journal of Alloys and Compounds</i> , 2008 , 462, 52-59	5.7	36
715	Real-space structural studies of Cu ₄₇ Zr ₃₃ Ti ₂₀ glassy alloy. <i>Journal of Alloys and Compounds</i> , 2008 , 466, 106-110	5.7	22
714	Nanocrystallization of complex Fe ₂₃ B ₆ -type structure in glassy Fe ₇₀ Co ₁₀ Si ₁₀ Nb alloy. <i>Intermetallics</i> , 2008 , 16, 491-497	3.5	47
713	Nanoporous Metals by Dealloying Multicomponent Metallic Glasses. <i>Chemistry of Materials</i> , 2008 , 20, 4548-4550	9.6	248
712	Thermal conductivity of metallic glassy alloys and its relationship to the glass forming ability and the observed cooling rates. <i>Journal of Materials Research</i> , 2008 , 23, 2283-2287	2.5	11
711	Synthesis of soft/hard magnetic FePt-based glassy alloys with supercooled liquid region. <i>Journal of Applied Physics</i> , 2008 , 104, 103540	2.5	5
710	Effect of Particle Size Distribution of the Feedstock Powder on the Microstructure of Bulk Metallic Glass Sprayed Coating by HVOF on Aluminum Alloy Substrate. <i>Materials Science Forum</i> , 2008 , 580-582, 467-470	0.4	5
709	Influence of cooling rate on the structure and properties of a Cu ₄₇ Zr ₃₃ Ag glassy alloy. <i>Journal of Materials Research</i> , 2008 , 23, 515-522	2.5	21
708	Fabrication of Cu ₄₇ Zr ₃₃ AgAl glassy alloy samples with a diameter of 20 mm by water quenching. <i>Journal of Materials Research</i> , 2008 , 23, 1452-1456	2.5	31
707	Fe-metalloids bulk glassy alloys with high Fe content and high glass-forming ability. <i>Journal of Materials Research</i> , 2008 , 23, 1339-1342	2.5	18
706	Elastic Properties of Pd-Based Bulk Metallic Glasses Studied by Ultrasound Spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 3807-3810	1.4	10

705	Effect of excess electrons on hexagonal close-packed Mg and the model clusters for bulk metallic glasses. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 155424	3	1
704	Large-size ultrahigh strength Ni-based bulk metallic glassy matrix composites with enhanced ductility fabricated by spark plasma sintering. <i>Applied Physics Letters</i> , 2008 , 92, 121907	3-4	40
703	Glass formation dependence on casting-atmosphere pressure in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5} Pd _x (x=0-7.5) alloy system: A resultant effect of quasicrystalline phase transformation and cooling mechanism during mold-casting process. <i>Journal of Applied Physics</i> , 2008 , 103, 044907	2.5	19
702	Crystallization process and glass stability of an Fe ₄₈ Cr ₁₅ Mo ₁₄ C ₁₅ B ₆ Tm ₂ bulk metallic glass. <i>Physical Review B</i> , 2008 , 78,	3-3	38
701	Excellent Thermal Stability and Bulk Glass Forming Ability of Fe-B-Nb-Y Soft Magnetic Metallic Glass. <i>Materials Transactions</i> , 2008 , 49, 506-512	1-3	48
700	Unusual Glass-Forming Ability of New Zr-Cu-Based Bulk Glassy Alloys Containing an Immiscible Element Pair. <i>Materials Transactions</i> , 2008 , 49, 2743-2746	1-3	9
699	Bulk Metallic Glass Formation by Melting Liquid Joining Method. <i>Materials Transactions</i> , 2008 , 49, 1419-1422	1-3	3
698	Microwave Sintering of Ni-Based Bulk Metallic Glass Matrix Composite in a Single-Mode Applicator. <i>Materials Transactions</i> , 2008 , 49, 2850-2853	1-3	6
697	Strain Rate Dependence of Tensile Behavior in Hypoeutectic Zr-Cu-Al Bulk Metallic Glass. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008 , 72, 722-727	0-4	5
696	Synthesis of Ti-Based Glassy Alloy/Hydroxyapatite Composite by Spark Plasma Sintering. <i>Materials Transactions</i> , 2008 , 49, 502-505	1-3	15
695	Thermal Stability and Mechanical Properties of Ti _{47.4} Cu ₄₂ Zr _{5.3} TM _{5.3} (TM = Co, Fe) Metallic Glass Sheets Prepared by Twin-Roller Casting Method. <i>Materials Transactions</i> , 2008 , 49, 498-501	1-3	6
694	Effect of Cr Addition on the Glass-Forming Ability, Magnetic, Mechanical and Corrosion Properties of (Fe _{0.76} Si _{0.096} B _{0.096} P _{0.048}) _{100-x} Crx Bulk Glassy Alloys. <i>Materials Transactions</i> , 2008 , 49, 2887-2890	1-3	8
693	Bioactivity of titanium-based bulk metallic glass surfaces via hydrothermal hot-pressing treatment. <i>Journal of the Ceramic Society of Japan</i> , 2008 , 116, 115-117	1	10
692	Influences of Temperature and Strain Rate on Mechanical Behavior of a Cu ₄₅ Zr ₄₅ Al ₅ Ag ₅ Bulk Glassy Alloy. <i>Materials Transactions</i> , 2008 , 49, 513-517	1-3	12
691	Glass Forming Ability and Mechanical Properties of New Ni-Based Bulk Metallic Glasses. <i>Materials Transactions</i> , 2008 , 49, 494-497	1-3	3
690	Improvement of Plasticity in Pd Containing Zr-Al-Ni-Cu Bulk Metallic Glass by Deformation-Induced Nano Structure Change. <i>Materials Transactions</i> , 2008 , 49, 2732-2736	1-3	9
689	Nano quasicrystal formation and local atomic structure in ZrPd and ZrPt binary metallic glasses. <i>Zeitschrift für Kristallographie</i> , 2008 , 223, 726-730		17
688	Effects of additional Ag on the thermal stability and glass-forming ability of LaAlCu bulk glassy alloys. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 119-123	3-1	6

687	In situ analysis of the thermal behavior in the Zr-based multi-component metallic thin film by pulsed laser deposition combined with UHV-laser microscope system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 179-182	3.1	3
686	Wetting characteristics of SnAgCu solder on Pd-based metallic glass. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 124-127	3.1	17
685	Structure and properties of high strength and ductile TiBeCuNbSn alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 497, 126-131	5.3	20
684	Mechanical properties of a Ni60Pd20P17B3 bulk glassy alloy at cryogenic temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 498, 475-481	5.3	54
683	FeSiBP bulk metallic glasses with high magnetization and excellent magnetic softness. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 2499-2503	2.8	91
682	Study of the structural relaxation-induced embrittlement of hypoeutectic ZrCuAl ternary bulk glassy alloys. <i>Acta Materialia</i> , 2008 , 56, 6097-6108	8.4	75
681	Surface characteristics of high corrosion resistant NiNbZrTiTa glassy alloys for nuclear fuel reprocessing applications. <i>Electrochemistry Communications</i> , 2008 , 10, 1408-1410	5.1	13
680	Formation of a phase separating bulk metallic glass in Cu40Zr40Al10Ag10 alloy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 97-100	3.1	24
679	Microstructure and properties of ceramic particulate reinforced metallic glassy matrix composites fabricated by spark plasma sintering. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 77-81	3.1	34
678	Ultrasonic bonding of Zr55Cu30Ni5Al10 metallic glass. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 141-144	3.1	26
677	Synthesis and properties of CuZrAgAl glassy alloys with high glass-forming ability. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 92-96	3.1	68
676	Brazing of Cu with Pd-based metallic glass filler. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 148, 128-131	3.1	6
675	Production of metallic glassy bipolar plates for PEM fuel cells by hot pressing in the supercooled liquid state. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 5678-5685	6.7	29
674	Formation and properties of new NiTa-based bulk glassy alloys with large supercooled liquid region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 485, 690-694	5.3	8
673	High specific strength Mg-based bulk metallic glass matrix composite highly ductilized by Ti dispersoid. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 494, 299-303	5.3	44
672	Glass-transition behavior of Ni: Calculation, prediction, and experiment. <i>Journal of Applied Physics</i> , 2008 , 104, 123529	2.5	24
671	Fabrication of Bulk Glassy Alloy Foams by High Pressure Hydrogen. <i>Journal of High Temperature Society</i> , 2008 , 34, 74-78		
670	Development and Applications of Late Transition Metal Bulk Metallic Glasses 2008 , 1-25		7

669	Effects of Addition of Al, Ti and Ag on Glass-Forming Ability of Cu ₅₀ Zr ₅₀ Alloy. <i>Materials Science Forum</i> , 2007 , 561-565, 1333-1336	0.4	2
668	New Bulk Metallic Glasses for Applications as Magnetic-Sensing, Chemical, and Structural Materials. <i>MRS Bulletin</i> , 2007 , 32, 651-658	3.2	180
667	Nano-fabrication with metallic glass-an exotic material for nano-electromechanical systems. <i>Nanotechnology</i> , 2007 , 18, 035302	3.4	112
666	An extended criterion for estimation of glass-forming ability of metals. <i>Journal of Materials Research</i> , 2007 , 22, 1378-1383	2.5	26
665	Synthetic relationship between titanium and alloying elements in designing Ni-free Ti-based bulk metallic glass alloys. <i>Applied Physics Letters</i> , 2007 , 91, 053106	3.4	10
664	Magnetic Properties of Nanocrystalline Materials 2007 , 487-536		1
663	Hot-Press Workability of Ni-based Glassy Alloys in Supercooled Liquid State and Production of the Glassy Alloy Separators for Proton Exchange Membrane Fuel Cell. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2007 , 54, 773-777	0.2	3
662	Specific volume and elastic properties of glassy, icosahedral quasicrystalline and crystalline phases in Zr ₅₀ Ni ₂₀ Cu ₁₀ Al ₁₀ B ₁₀ alloy. <i>Acta Materialia</i> , 2007 , 55, 1009-1015	8.4	19
661	Mechanical properties and corrosion behavior of (Cu _{0.6} Hf _{0.25} Ti _{0.15}) ₉₀ Nb ₁₀ bulk metallic glass composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 230-234	5.3	8
660	Synthesis of bulk glassy alloys in the (Fe,Co,Ni) ₈₀ Si ₁₀ Nb ₁₀ system. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 239-242	5.3	22
659	Investigation of a rapidly solidified Al-based nanocomposite with extremely high number density of precipitates. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 1026-1028	5.3	5
658	Attempt to develop Ti-based amorphous alloys for biomaterials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 220-224	5.3	47
657	Process development of metallic glass wires by a groove quenching technique for production of coil springs. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 248-252	5.3	10
656	Mechanical properties of porous bulk glassy alloy prepared in high-pressure hydrogen atmosphere. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 958-961	5.3	13
655	Effects of additional noble elements on the thermal stability and mechanical properties of Cu ₄₀ Zr ₄₀ Al bulk glassy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 631-635	5.3	19
654	Melt-spun L ₁₀ FePt ₉₀ (Zr, Nb and Ti) ₁₀ B nanocrystalline alloys with high coercivity. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 66-70	5.3	7
653	Production of bulk glassy alloy foams by high pressure hydrogen. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 447, 254-260	5.3	4
652	Improved mechanical properties of bulk glassy alloys containing spherical pores. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 471, 144-150	5.3	30

651	Effects of additional Ag on the thermal stability and glass-forming ability of CuZr binary glassy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 459, 330-336	5.3	49
650	High glass-forming CeCuFeAlSi bulk metallic glass alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 114-117	5.3	4
649	Corrosion behavior of a glassy TiZrHfCuNiSi alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 557-560	5.3	12
648	A study of glass-formation, formation of the supercooled liquid and devitrification behavior of Ni-based bulk glass-forming alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 198-202	5.3	5
647	Influence of crystallization on the deformation behavior of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ bulk metallic glass in the supercooled liquid region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 243-247	5.3	10
646	Wear resistivity of super-precision microgear made of Ni-based metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 149-154	5.3	60
645	Correlation between local structure and stability of supercooled liquid state in Zr-based metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 90-94	5.3	13
644	Continuous casting of thick Fe-base glassy plates by twin-roller melt-spinning. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 269-272	5.3	14
643	Analyses of glass-transition behavior of Pd-based metallic glass with linear solution to non-linear differential equation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 594-598	5.3	1
642	Thermal stability and magnetic properties of (Fe, Co)Ta(P, C, B, Si) bulk glassy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 356-359	5.3	13
641	GdCoAl and GdNiAl bulk metallic glasses with high glass forming ability and good mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 457, 226-230	5.3	40
640	Thermal expansion of an amorphous alloy. Reciprocal-space versus real-space distribution functions. <i>Physica B: Condensed Matter</i> , 2007 , 388, 290-293	2.8	5
639	Ti-based amorphous alloys with a wide supercooled liquid region. <i>Materials Letters</i> , 2007 , 61, 2851-2854	3.3	15
638	Deformation-induced transformations in Ti ₆₀ Fe ₂₀ Co ₂₀ alloy. <i>Scripta Materialia</i> , 2007 , 57, 445-448	5.6	29
637	GdNiAl bulk glasses with great glass-forming ability and better mechanical properties. <i>Journal of Materials Science</i> , 2007 , 42, 8662-8666	4.3	11
636	Fabrication of Ni-free Ti-based bulk-metallic glassy alloy having potential for application as biomaterial, and investigation of its mechanical properties, corrosion, and crystallization behavior. <i>Journal of Materials Research</i> , 2007 , 22, 1346-1353	2.5	84
635	Tailoring the magnetic properties of mechanically hardest CoFeTaB glassy thin films. <i>Journal of Applied Physics</i> , 2007 , 101, 09N502	2.5	7
634	Enhancement of glass-forming ability of FeCoNiBSiNb bulk glassy alloys with superhigh strength and good soft-magnetic properties. <i>Journal of Applied Physics</i> , 2007 , 102, 023515	2.5	33

633	Effect of B to Si concentration ratio on glass-forming ability and soft-magnetic properties in (Co _{0.705} Fe _{0.045} B _{0.25} Si _x) ₉₆ Nb ₄ glassy alloys. <i>Journal of Applied Physics</i> , 2007 , 101, 09N101	2.5	12
632	Thermal Elasticity in Glassy Alloys based on Topology of Metallic Clusters. <i>Applied Physics Letters</i> , 2007 , 91, 171908	3.4	9
631	Excellent soft-magnetic properties of (Fe,Co)Mo(P,C,B,Si) bulk glassy alloys with ductile deformation behavior. <i>Applied Physics Letters</i> , 2007 , 91, 234101	3.4	41
630	Nearly full density Ni _{52.5} Nb ₁₀ Zr ₁₅ Ti ₁₅ Pt _{7.5} bulk metallic glass obtained by spark plasma sintering of gas atomized powders. <i>Applied Physics Letters</i> , 2007 , 90, 241902	3.4	87
629	Local structure characterization in quasicrystal-forming Zr ₈₀ Pt ₂₀ binary amorphous alloy. <i>Applied Physics Letters</i> , 2007 , 91, 111901	3.4	11
628	Magnetic properties of CoBeB ₂ Si ₂ Nb bulk glassy alloy with zero magnetostriction. <i>Journal of Applied Physics</i> , 2007 , 101, 09N112	2.5	18
627	Ultrasonic attenuation properties of glassy alloys in views of complex viscoelasticity. <i>Applied Physics Letters</i> , 2007 , 90, 131902	3.4	8
626	Elastic properties of Zr-based bulk metallic glasses studied by resonant ultrasound spectroscopy. <i>Journal of Materials Research</i> , 2007 , 22, 364-367	2.5	34
625	Deformation behavior of Zr- and Ni-based bulk glassy alloys. <i>Journal of Materials Research</i> , 2007 , 22, 1087-1092	2.5	18
624	Apatite Forming Ability of Bulk Metallic Glass Surface via Hydrothermal Treatment. <i>Key Engineering Materials</i> , 2007 , 361-363, 249-252	0.4	
623	Formation, Mechanical and Magnetic Properties of (Fe,Co)-B-Si-Nb Bulk Glassy Alloys. <i>Materials Science Forum</i> , 2007 , 539-543, 2082-2087	0.4	
622	Ultrasonic Properties of a Ti _{47.4} Zr _{5.3} Ni _{5.3} Cu ₄₂ Glassy Alloy during Progressive Devitrification. <i>Materials Science Forum</i> , 2007 , 561-565, 1371-1374	0.4	1
621	Synthesis of New Ni-Ta-Based Bulk Glassy Alloy with High Fracture Strength of over 3000 MPa. <i>Materials Science Forum</i> , 2007 , 561-565, 1421-1424	0.4	1
620	Friction and Wear of Laser Irradiated Amorphous Metals. <i>Materials Science Forum</i> , 2007 , 539-543, 3844-3849	0.4	
619	Fine Crystalline Phase Dispersion in Zr-Based Bulk Metallic Glass by Laser Irradiation. <i>Advanced Materials Research</i> , 2007 , 26-28, 747-750	0.5	
618	Analysis of Optimal Compositions of Ternary Bulk Metallic Glasses with Thermodynamic Quantities. <i>Materials Science Forum</i> , 2007 , 539-543, 1988-1993	0.4	
617	Syntheses and Applications of Fe-, Co-, Ni- and Cu-Based Bulk Glassy Alloys. <i>Materials Science Forum</i> , 2007 , 539-543, 92-99	0.4	1
616	Fe-Metalloid Metallic Glasses with High Magnetic Flux Density and High Glass-Forming Ability. <i>Materials Science Forum</i> , 2007 , 561-565, 1361-1366	0.4	8

615	Microstructures of Microwave Heated Soda-Lime Glass - Fe Composite and Ni-Zr-Nb-Ti-Pt Metallic Glass. <i>Materials Science Forum</i> , 2007 , 558-559, 1459-1464	0.4	
614	Structural Characterization of Cu ₅₀ Zr ₄₅ Ti ₅ Glassy Alloy under Thermal Annealing and Electron Irradiation. <i>Materials Science Forum</i> , 2007 , 561-565, 2045-2048	0.4	3
613	Fabrication of Ni _{52.5} Nb ₁₀ Zr ₁₅ Ti ₁₅ Pt _{7.5} Bulk Metallic Glassy Matrix Composite Containing Dispersed ZrO ₂ Particulates by Spark Plasma Sintering. <i>Materials Science Forum</i> , 2007 , 561-565, 1291-1294	0.4	1
612	Quasicrystallization of (Zr ₆₅ Al _{7.5} Cu _{27.5}) ₉₅ Ti ₅ Glassy Alloy. <i>Materials Science Forum</i> , 2007 , 561-565, 1329-1332	0.4	1
611	Effects of Additional Elements on Microstructures of Zr-Based Metallic Glass Ribbons. <i>Materials Science Forum</i> , 2007 , 539-543, 2000-2005	0.4	
610	Soft Magnetic Bulk Glassy Alloy Synthesized by Flux Melting and Water Quenching. <i>Materials Science Forum</i> , 2007 , 539-543, 1921-1925	0.4	7
609	Change of Nanostructure in (Fe _{0.5} Co _{0.5}) ₇₂ B ₂₀ Si ₄ Nb ₄ Metallic Glass on Annealing. <i>Materials Science Forum</i> , 2007 , 539-543, 2077-2081	0.4	5
608	Effects of Additional Elements on Structure, Mechanical Strength and Chemical Properties of Ni-Free Ti-Based Bulk Metallic Glasses for Biomaterials. <i>Advanced Materials Research</i> , 2007 , 26-28, 785-788	0.5	2
607	Formation and Soft-Magnetic Properties of FeMoGaPCBSi Bulk Glassy Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2007 , 71, 326-329	0.4	
606	Viscous Flow Workability of Ni-Cr-P-B Metallic Glasses Produced by Melt-Spinning in Air. <i>Materials Transactions</i> , 2007 , 48, 3176-3180	1.3	10
605	Glassy Solidification Criterion of Zr ₅₀ Cu ₄₀ Al ₁₀ Alloy. <i>Materials Transactions</i> , 2007 , 48, 1363-1372	1.3	23
604	Influence of Al and Ag on the Devitrification Behavior of a Cu-Zr Glassy Alloy. <i>Materials Transactions</i> , 2007 , 48, 2128-2132	1.3	14
603	Glass-Forming Ability and Mechanical Properties of the Ternary Cu-Zr-Al and Quaternary Cu-Zr-Al-Ag Bulk Metallic Glasses. <i>Materials Transactions</i> , 2007 , 48, 1626-1630	1.3	50
602	Microstructure and Corrosion Resistance of Ti‐Zr‐Cu‐Pd‐Sn Glassy and Nanocrystalline Alloys. <i>Materials Transactions</i> , 2007 , 48, 167-170	1.3	11
601	Preparation of Cu ₃₆ Zr ₄₈ Ag ₈ Al ₈ Bulk Metallic Glass with a Diameter of 25 mm by Copper Mold Casting. <i>Materials Transactions</i> , 2007 , 48, 629-631	1.3	75
600	Microstructural Changes during Microwave Heating of Ni _{52.5} Zr ₁₅ Nb ₁₀ Ti ₁₅ Pt _{7.5} Metal Glasses. <i>Materials Transactions</i> , 2007 , 48, 632-634	1.3	14
599	Crystallization and Embrittlement Behavior of a Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ Metallic Glass Having Different Si and O Contents. <i>Materials Transactions</i> , 2007 , 48, 821-825	1.3	12
598	Thermal Diffusivity of Zr-Based Bulk Glass Alloys in the Liquid State. <i>Materials Transactions</i> , 2007 , 48, 886-888	1.3	2

597	Unusual Plasticity of the Particulate-Reinforced Cu-Zr-Based Bulk Metallic Glass Composites. <i>Materials Transactions</i> , 2007 , 48, 2542-2544	1.3	12
596	Fabrication of New Cu ₃₄ Pd ₂ Zr ₄₈ Ag ₈ Al ₈ Bulk Glassy Alloy with a Diameter of 30 mm. <i>Materials Transactions</i> , 2007 , 48, 3031-3033	1.3	18
595	Analysis of Bulk Metallic Glass Formation Using a Tetrahedron Composition Diagram that Consists of Constituent Classes Based on Blocks of Elements in the Periodic Table. <i>Materials Transactions</i> , 2007 , 48, 1304-1312	1.3	8
594	Alternative Strain Aging Effect for Fatigue of Ductile Bulk Glassy Alloys. <i>Materials Transactions</i> , 2007 , 48, 1261-1265	1.3	5
593	Formation of a Ni-Based Glassy Alloy in Centimeter Scale. <i>Materials Transactions</i> , 2007 , 48, 1355-1358	1.3	8
592	Relations between the Thermal and Mechanical Properties of Cast Zr-TM-Al (TM: Cu, Ni, or Co) Bulk Glassy Alloys. <i>Materials Transactions</i> , 2007 , 48, 1846-1849	1.3	16
591	Production of Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀ Glassy Alloy Rod of 30 mm in Diameter by a Cap-Cast Technique. <i>Materials Transactions</i> , 2007 , 48, 3190-3192	1.3	56
590	Fabrication of ZrCuAlNi Metallic Glassy Matrix Composite Containing ZrO ₂ Particles by Spark Plasma Sintering Process. <i>Materials Transactions</i> , 2007 , 48, 158-162	1.3	22
589	Mechanical Property and Corrosion Resistance Evaluations of Ti-6Al-7Nb Alloy Brazed with Bulk Metallic Glasses. <i>Materials Transactions</i> , 2007 , 48, 2235-2243	1.3	11
588	Deformation-Induced Nanoscale Dynamic Transformation Studies in Zr-Al-Ni-Pd and Zr-Al-Ni-Cu Bulk Metallic Glasses. <i>Materials Transactions</i> , 2007 , 48, 1327-1335	1.3	14
587	Transition from Plasticity to Brittleness in Cu-Zr-Based Bulk Metallic Glasses. <i>Materials Transactions</i> , 2007 , 48, 1272-1275	1.3	14
586	Drastic Increase in the Toughness of Structural Relaxed Hypoeutectic Zr ₅₉ Cu ₃₁ Al ₁₀ Bulk Glassy Alloy. <i>Materials Transactions</i> , 2007 , 48, 1276-1281	1.3	20
585	High Specific Strength and Improved Ductility of Bulk (Mg _{0.65} Cu _{0.25} Gd _{0.1}) _{100-x} Ti _x Metallic Glass Composites. <i>Materials Transactions</i> , 2007 , 48, 3193-3196	1.3	9
584	Microstructure and Mechanical Properties of Porous Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ Bulk Metallic Glass Fabricated by Spark Plasma Sintering Process. <i>Materials Transactions</i> , 2007 , 48, 1589-1594	1.3	12
583	Glass-Forming Ability and Thermal Stability of Ti-Zr-Cu-Pd-Si Bulk Glassy Alloys for Biomedical Applications. <i>Materials Transactions</i> , 2007 , 48, 163-166	1.3	29
582	Formation and Properties of New La-Based Bulk Glassy Alloys with Diameters up to Centimeter Order. <i>Materials Transactions</i> , 2007 , 48, 68-73	1.3	8
581	Local structure in quasicrystal-forming Zr-based metallic glasses correlated with a stability of the supercooled liquid state. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 3704-3708	3.9	10
580	Softening and heating behaviors during the nonlinear viscous flow in a Zr-based bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 3764-3768	3.9	6

579	Novel applications of bulk metallic glass for industrial products. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 3615-3621	3.9	59
578	Effect of ball-milling and shot-peening on Zr55Al10Ni5Cu30 alloys. <i>Journal of Alloys and Compounds</i> , 2007 , 430, 97-101	5.7	10
577	Direct observation of the changes in atomic arrangement of Cu50Zr50 metallic glass during tensile deformation by EXAFS. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 44-47	5.7	4
576	Joining of Zr-based bulk metallic glasses using the friction welding method. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 102-105	5.7	26
575	A glance on the glass-transition phenomenon from the viewpoint of devitrification. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 121-125	5.7	4
574	Effect of Al on the local structure and stability of Zr-based metallic glasses. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 135-137	5.7	4
573	New Pd-based bulk glassy alloys with high glass-forming ability. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 138-140	5.7	2
572	Investigation of high strength metastable hypereutectic ternary TiBeCo and quaternary TiBeCo(V, Sn) alloys. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 32-35	5.7	27
571	Thermal stability and magnetic properties of GdBeAl bulk amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2007 , 440, 199-203	5.7	19
570	Role of nanocrystals in ductile NiPd metallic glass. <i>Journal of Alloys and Compounds</i> , 2007 , 441, 131-134	5.7	7
569	Formation, ductile deformation behavior and soft-magnetic properties of (Fe,Co,Ni)BSiNb bulk glassy alloys. <i>Intermetallics</i> , 2007 , 15, 9-16	3.5	60
568	Deformation behavior of high strength metastable hypereutectic TiBeCo alloys. <i>Intermetallics</i> , 2007 , 15, 181-186	3.5	27
567	Enhancement of glass-forming ability of FeGaPCB bulk glassy alloy with high saturation magnetization. <i>Intermetallics</i> , 2007 , 15, 655-658	3.5	9
566	Formation, thermal stability and corrosion behavior of glassy Ti45Zr5Cu45Ni5 alloy. <i>Intermetallics</i> , 2007 , 15, 683-686	3.5	14
565	Ultrasonic characteristics of porous Pd42.5Cu30Ni7.5P20 glassy alloys. <i>Journal of Applied Physics</i> , 2007 , 102, 083502	2.5	6
564	Possibility of bulk glassy and nanogranular alloys as biomedical materials 2007 , 3-19		
563	Devitrification of HfPdNi glassy alloy on heating. <i>Thin Solid Films</i> , 2006 , 509, 75-80	2.2	3
562	New CuZr-based bulk metallic glasses with large diameters of up to 1.5cm. <i>Scripta Materialia</i> , 2006 , 55, 711-713	5.6	111

561	Fabrication of porous Zr-Cu-Al-Ni bulk metallic glass by spark plasma sintering process. <i>Scripta Materialia</i> , 2006 , 55, 687-690	5.6	102
560	Formation and Applications of Bulk Glassy Alloys in Late Transition Metal Base System. <i>AIP Conference Proceedings</i> , 2006 ,	0	7
559	Internal Friction and Mechanical Strength of Hydrogenated Ti-Rich Multicomponent Glassy Alloys. <i>Key Engineering Materials</i> , 2006 , 319, 139-144	0.4	3
558	Reduced electronegativity difference as a factor leading to the formation of Al-based glassy alloys with a large supercooled liquid region of 50K. <i>Applied Physics Letters</i> , 2006 , 88, 011911	3.4	30
557	Co-Fe-B-Si-Nb bulk glassy alloys with superhigh strength and extremely low magnetostriction. <i>Applied Physics Letters</i> , 2006 , 88, 011901	3.4	67
556	Temperature and thickness driven spin-reorientation transition in amorphous Co-Fe-Ta-B thin films. <i>Physical Review B</i> , 2006 , 73,	3.3	54
555	Superhigh strength and excellent soft-magnetic properties of [(Co _{1-x} Fe _x) _{0.75} B _{0.2} Si _{0.05}] ₉₆ Nb ₄ bulk glassy alloys. <i>Journal of Applied Physics</i> , 2006 , 100, 013515	2.5	36
554	Free volume kinetics during sub-T _g structural relaxation of a bulk Pd ₄₀ Ni ₄₀ P ₂₀ metallic glass. <i>Applied Physics Letters</i> , 2006 , 88, 131906	3.4	67
553	Observation of unusual magnetic behavior: Spin reorientation transition in thick Co-Fe-Ta-B glassy films. <i>Journal of Applied Physics</i> , 2006 , 100, 083902	2.5	33
552	Fe-based bulk glassy alloy composite containing in situ formed (Fe,Co) and (Fe,Co) ₂₃ B ₆ microcrystalline grains. <i>Applied Physics Letters</i> , 2006 , 89, 101915	3.4	42
551	Ni-based bulk glassy alloys with superhigh strength of 3800MPa in Ni-Fe-B-Si-Nb system. <i>Applied Physics Letters</i> , 2006 , 88, 201903	3.4	29
550	Fe-Ni-based bulk glassy alloys with superhigh mechanical strength and excellent soft-magnetic properties. <i>Applied Physics Letters</i> , 2006 , 89, 051912	3.4	50
549	Effect of Cr addition on the glass-forming ability, magnetic properties, and corrosion resistance in Fe-Mo-Ga-P-C-B-Si bulk glassy alloys. <i>Journal of Applied Physics</i> , 2006 , 100, 043523	2.5	27
548	Effect of volume fraction and geometry of pores on mechanical properties of porous bulk glassy Pd _{42.5} Cu ₃₀ Ni _{7.5} P ₂₀ alloys. <i>Journal of Materials Research</i> , 2006 , 21, 1041-1047	2.5	29
547	Thermal expansion of a glassy alloy studied using a real-space pair distribution function. <i>Applied Physics Letters</i> , 2006 , 88, 121926	3.4	21
546	Influence of thermal conductivity on the glass-forming ability of Ni-based and Cu-based alloys. <i>Applied Physics Letters</i> , 2006 , 88, 251902	3.4	13
545	Excellent soft-ferromagnetic bulk glassy alloys with high saturation magnetization. <i>Applied Physics Letters</i> , 2006 , 88, 131907	3.4	87
544	Extraordinary plasticity of ductile bulk metallic glasses. <i>Physical Review Letters</i> , 2006 , 96, 245502	7.4	248

543	Effects of Si and Mo additions on glass-forming in FeGaPCB bulk glassy alloys with high saturation magnetization. <i>Physical Review B</i> , 2006 , 73,	3-3	54
542	Influences of additional alloying elements (V, Ni, Cu, Sn, B) on structure and mechanical properties of high-strength hypereutectic TiBeCo bulk alloys. <i>Intermetallics</i> , 2006 , 14, 255-259	3-5	19
541	Observation of linear defects in Al particles below 7 nm in size. <i>Journal of Materials Research</i> , 2006 , 21, 1347-1350	2-5	12
540	Preparation of a Wide Zr55Al10Ni5Cu30 Metallic Glass Sheet by a Twin-Roller Type Casting Method and Its Mechanical Properties. <i>Materials Transactions</i> , 2006 , 47, 1926-1929	1-3	5
539	Corrosion Behaviour of [(Fe0.6Co0.4)0.75B0.2Si0.05]96Nb4 Bulk Glassy Alloy in Sulphuric Acid Solutions. <i>Materials Transactions</i> , 2006 , 47, 2566-2570	1-3	16
538	New Ce-Cu-Al-Zn Bulk Metallic Glasses with High Oxidation Resistance. <i>Materials Transactions</i> , 2006 , 47, 2599-2602	1-3	5
537	Bulk Metallic Glass Formation near a Quaternary Cu-Zr-Ti-Al Eutectic Point. <i>Materials Transactions</i> , 2006 , 47, 2804-2807	1-3	10
536	Corrosion Behavior of Ti-Based Metallic Glasses. <i>Materials Transactions</i> , 2006 , 47, 1934-1937	1-3	25
535	Synthesis and Thermal Stability of New Ni-Based Bulk Glassy Alloy with Excellent Mechanical Properties. <i>Materials Transactions</i> , 2006 , 47, 2358-2362	1-3	7
534	Effects of Additional Hf on the Thermal Stability and Mechanical Properties of Cu-Zr-Ag Bulk Glassy Alloys. <i>Materials Transactions</i> , 2006 , 47, 1922-1925	1-3	7
533	Developments and Applications of Bulk Glassy Alloys in Late Transition Metal Base System. <i>Materials Transactions</i> , 2006 , 47, 1275-1285	1-3	102
532	Fe-(Cr,Mo)-(C,B)-Tm Bulk Metallic Glasses with High Strength and High Glass-Forming Ability. <i>Materials Transactions</i> , 2006 , 47, 1615-1618	1-3	26
531	Microstructure and Mechanical Properties of (Zr0.5Cu0.4Al0.1)100-xTax Bulk Metallic Glass Composites. <i>Materials Transactions</i> , 2006 , 47, 2571-2575	1-3	10
530	Hydrogen Permeation of Ni-Nb-Zr Metallic Glasses in a Supercooled Liquid State. <i>Materials Transactions</i> , 2006 , 47, 2991-2996	1-3	7
529	Ni-Rich Ni-Pd-P Glassy Alloy with High Strength and Good Ductility. <i>Materials Transactions</i> , 2006 , 47, 175-178	1-3	28
528	Nanocrystallization of Cu50Zr45Ti5 Metallic Glass Induced by Electron Irradiation. <i>Materials Transactions</i> , 2006 , 47, 1930-1933	1-3	27
527	Improved Wear Resistance through Surface Modification of Zr50Cu30Ni10Al10 Bulk Glassy Alloys. <i>Materials Transactions</i> , 2006 , 47, 1999-2005	1-3	1
526	Production of Bulk Glassy Alloy Parts by a Levitation Melting-Forging Method. <i>Materials Transactions</i> , 2006 , 47, 2072-2075	1-3	3

525	Temperature-Time-Transformation Curve and Viscous Flow Deformation of Zr55Cu30Al10Ni5 Bulk Glassy Alloy. <i>Materials Transactions</i> , 2006 , 47, 2308-2311	1.3	6
524	Shear-Band Deformation in Amorphous Alloys and Composites. <i>Materials Transactions</i> , 2006 , 47, 817-821	1.3	11
523	Ultrasonic properties of Cu45Zr(45x)Hfx Ag10 glassy alloys. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006 , 203, 3685-3691	1.6	15
522	On structural relaxation and viscous work heating during non-Newtonian viscous flow in a Zr55Al10Ni5Cu30 bulk metallic glass. <i>Acta Materialia</i> , 2006 , 54, 891-898	8.4	29
521	Preparation and mechanical properties of dispersed-ZrN glassy composite alloys containing pores. <i>Acta Materialia</i> , 2006 , 54, 3221-3226	8.4	12
520	Fabrication, properties and applications of bulk glassy alloys in late transition metal-based systems. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 441, 18-25	5.3	54
519	Structural relaxation, glass-forming ability and mechanical properties of MgCuNiCd alloys. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 729-735	3.9	36
518	The effect of Ni substitution on the glass-forming ability and mechanical properties of MgCuCd metallic glass alloys. <i>Journal of Alloys and Compounds</i> , 2005 , 387, 134-138	5.7	88
517	Ni-based bulk glassy alloys with large supercooled liquid region exceeding 90K. <i>Intermetallics</i> , 2005 , 13, 1166-1171	3.5	37
516	Synchrotron X-ray radiation diffraction studies of thermal expansion, free volume change and glass transition phenomenon in Cu-based glassy and nanocomposite alloys on heating. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 1639-1645	3.9	46
515	Change in environmental structure around Al in Zr60Ni25Al15 metallic glass upon crystallization studied by nuclear magnetic resonance. <i>Journal of Non-Crystalline Solids</i> , 2005 , 351, 3587-3592	3.9	6
514	New Ti-Based Bulk Metallic Glasses with Significant Plasticity. <i>Materials Transactions</i> , 2005 , 46, 2218-2220	3	60
513	Thermal Stability and Devitrification Behavior of Ternary Ni-Nb-Ti and Quaternary Glassy Alloys Containing Noble Metals. <i>Materials Transactions</i> , 2005 , 46, 675-680	1.3	19
512	Development of Glassy Alloy Separators for a Proton Exchange Membrane Fuel Cell (PEMFC). <i>Materials Transactions</i> , 2005 , 46, 1706-1710	1.3	35
511	Bulk Glassy Fe-Mo-Ga-P-C-B-Si Alloys with High Glass-Forming Ability and Good Soft Magnetic Properties. <i>Materials Transactions</i> , 2005 , 46, 2773-2776	1.3	3
510	Comparative Study on Glassy Phase Stabilities of Zr-Co-Al and Zr-Ni-Al Metallic Glasses. <i>Materials Transactions</i> , 2005 , 46, 2785-2790	1.3	13
509	Formation of Bulk Pd-Cu-Si-P Glass with Good Mechanical Properties. <i>Materials Transactions</i> , 2005 , 46, 376-378	1.3	13
508	Formation, Crystallized Structure and Magnetic Properties of Fe-Pt-B Amorphous Alloys. <i>Materials Transactions</i> , 2005 , 46, 891-894	1.3	9

507	New Pd-Based Bulk Glassy Alloys with High Glass-Forming Ability and Large Supercooled Liquid Region. <i>Materials Transactions</i> , 2005 , 46, 1720-1724	1.3	24
506	Fracture Toughness of Zr55Al10Ni5Cu30 Bulk Metallic Glass by 3-Point Bend Testing. <i>Materials Transactions</i> , 2005 , 46, 1725-1732	1.3	51
505	Evolution of Mechanical Properties of Cast Zr50Cu40Al10 Glassy Alloys by Structural Relaxation. <i>Materials Transactions</i> , 2005 , 46, 2755-2761	1.3	51
504	Undercooling Behavior and Critical Cooling Rate of Pd‐Pt‐Cu‐P Alloy. <i>Materials Transactions</i> , 2005 , 46, 2807-2810	1.3	11
503	Cutting Characteristics of Bulk Metallic Glass. <i>Materials Transactions</i> , 2005 , 46, 2856-2863	1.3	48
502	Classification of Bulk Metallic Glasses by Atomic Size Difference, Heat of Mixing and Period of Constituent Elements and Its Application to Characterization of the Main Alloying Element. <i>Materials Transactions</i> , 2005 , 46, 2817-2829	1.3	2306
501	Ultra-Low Glass Transition Temperatures in Ce-Based Bulk Metallic Glasses. <i>Materials Transactions</i> , 2005 , 46, 1857-1860	1.3	16
500	Ce‐Cu‐Fe‐Al‐Si Bulk Metallic Glass Alloys With High Glass Forming Ability. <i>Materials Transactions</i> , 2005 , 46, 2541-2544	1.3	7
499	Formation and Mechanical Properties of Porous Pd‐Pt‐Cu‐P Bulk Glassy Alloys. <i>Materials Transactions</i> , 2005 , 46, 2777-2780	1.3	25
498	Thermal Stability and Magnetic Properties of Fe‐Nd‐Al Amorphous Alloys. <i>Materials Transactions</i> , 2005 , 46, 2844-2847	1.3	4
497	Characteristics of Shear Bands and Fracture Surfaces of Zr65Al7.5Ni10Pd17.5 Bulk Metallic Glass. <i>Materials Transactions</i> , 2005 , 46, 2870-2874	1.3	10
496	Relaxation and Crystallization Behavior of the Zr50Cu40Al10 Metallic Glass. <i>Materials Transactions</i> , 2005 , 46, 2886-2892	1.3	38
495	Alloying Effect on the Hydrogen Sensing Property of Melt-Spun Mg90Pd10 Amorphous Alloy. <i>Materials Transactions</i> , 2005 , 46, 738-741	1.3	
494	Retraction:Nanoindentation Characteristics of In-Situ Formed Cu‐Hf‐Ti‐Ag‐Ta Bulk Metallic Glass Composites. <i>Materials Transactions</i> , 2005 , 46, 798-804	1.3	4
493	Effect of Tantalum on Corrosion Resistance of Ni‐Nb(‐Ta)‐Ti‐Zr Glassy Alloys at High Temperature. <i>Materials Transactions</i> , 2005 , 46, 858-862	1.3	18
492	(Fe,Co,Ni)B ₅₀ bulk glassy alloy with super-high strength and some ductility. <i>Journal of Materials Research</i> , 2005 , 20, 1-5	2.5	19
491	Bulk glassy and nonequilibrium crystalline alloys by stabilization of supercooled liquid: fabrication, functional properties and applications (Part 1). <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2005 , 81, 156-171	4	29
490	Bulk glassy and nonequilibrium crystalline alloys by stabilization of supercooled liquid: fabrication, functional properties and applications (Part 2). <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2005 , 81, 172-188	4	15

489	Relation between time-temperature transformation and continuous heating transformation diagrams of metallic glassy alloys. <i>Physica B: Condensed Matter</i> , 2005 , 358, 174-180	2.8	16
488	Fabrication and characterization of Coriolis mass flowmeter made from Ti-based glassy tubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 407, 201-206	5.3	16
487	Measurements of the electrical resistance and the hydrogen depth distribution for Ni ₆₀ Nb ₂₀ Zr ₂₀ amorphous alloy before and after hydrogen charging. <i>Solid State Communications</i> , 2005 , 133, 511-513	1.6	3
486	Excess free volume in metallic glasses measured by X-ray diffraction. <i>Acta Materialia</i> , 2005 , 53, 1611-1619	9.4	313
485	Investigation of Ti-Fe-Co bulk alloys with high strength and enhanced ductility. <i>Acta Materialia</i> , 2005 , 53, 2009-2017	8.4	125
484	Cu-Bi-Ti-Ag-Ta bulk metallic glass composites and their properties. <i>Acta Materialia</i> , 2005 , 53, 2037-2048	8.4	83
483	Hydrogen permeation and structural features of melt-spun Ni ₄₀ Nb ₄₀ Zr amorphous alloys. <i>Acta Materialia</i> , 2005 , 53, 3703-3711	8.4	124
482	Glass formation, corrosion behavior and mechanical properties of bulk glassy Cu-Bi-Ti-Nb alloys. <i>Acta Materialia</i> , 2005 , 53, 3903-3911	8.4	56
481	Formation of Large Bulk [(Fe _{0.5} Co _{0.5}) _{0.75} B _{0.20} Si _{0.05}] ₉₆ Nb ₄ Glassy Alloy by Flux Melting and Water Quenching. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 903, 1		2
480	Primary precipitation of icosahedral quasicrystal with rearrangement of constitutional elements in Zr ₆₅ Al _{7.5} Cu _{27.5} glassy alloy with low oxygen impurity. <i>Journal of Materials Research</i> , 2005 , 20, 303-306	2.5	4
479	Fabrication of Fe-Based Glassy Cores with High Saturation Magnetization and Good Soft Magnetic Properties by Spark Plasma Sintering. <i>Materials Science Forum</i> , 2005 , 475-479, 3397-3400	0.4	8
478	Recent Development of Highly Corrosion Resistant Bulk Glassy Alloys. <i>Materials Science Forum</i> , 2005 , 502, 225-230	0.4	10
477	Enhancement of the fracture strength and glass-forming ability of CoFeTaB bulk glassy alloy. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 5647-5653	1.8	32
476	Magnetic properties of (Fe, Co) ₈₈ Ni ₈ Nb bulk glassy alloys with high glass-forming ability. <i>Journal of Applied Physics</i> , 2005 , 97, 10F913	2.5	35
475	Enhancement of room-temperature plasticity in a bulk metallic glass by finely dispersed porosity. <i>Applied Physics Letters</i> , 2005 , 86, 251907	3.4	141
474	Nanocrystalline Fe-Pt-B base hard magnets with high coercive force obtained from amorphous precursor. <i>Journal of Applied Physics</i> , 2005 , 97, 10H308	2.5	17
473	Mg-based bulk glassy alloys with high strength above 900 MPa and plastic strain. <i>Journal of Materials Research</i> , 2005 , 20, 394-400	2.5	35
472	Formation, Nanostructure and Mechanical Properties of Cu-Based Nanocrystal-Dispersed Glassy Matrix Alloys. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004 , 22, 11-20	0.2	1

471	Synthesis and magnetic properties of FePtB nanocomposite permanent magnets with low Pt concentrations. <i>Applied Physics Letters</i> , 2004 , 85, 4998-5000	3.4	59
470	Systematic measurement of thermal diffusivity of Pd ₄₀ Cu ₄₀ Ni _x P ₂₀ (x=0,10,40) alloys in liquid, glassy, crystallized, and supercooled liquid states by the laser flash method. <i>Physical Review B</i> , 2004 , 70,	3.3	11
469	High-strength Cu-based crystal-glassy composite with enhanced ductility. <i>Applied Physics Letters</i> , 2004 , 84, 1088-1089	3.4	65
468	The influence of scandium in effecting fragile to strong glass transition in aluminium-based alloys. <i>Applied Physics Letters</i> , 2004 , 85, 3758-3759	3.4	19
467	Glass Transition T _g , and Quenched-In Free Volume in Bulk Metallic Glasses Measured by X-Ray Diffraction. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004 , 20-21, 23-28	0.2	2
466	Investigation of the structure and properties of hypereutectic Ti-based bulk alloys. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 842, 197		
465	Non-equilibrium Ti-Fe bulk alloys with ultra-high strength and enhanced ductility. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 851, 304		1
464	Soft magnetic properties of bulk nanocrystalline Fe ₇₀ B ₁₅ Ni ₁₀ Cu alloy with high saturated magnetization of 1.35 T. <i>Journal of Materials Research</i> , 2004 , 19, 2549-2552	2.5	13
463	Mechanical Properties and Fracture Characteristics of Zr-Based Bulk Metallic Glass Composites Containing Carbon Nanotube Addition. <i>Journal of Materials Research</i> , 2004 , 19, 1068-1076	2.5	4
462	Ultrahigh strength Al-based amorphous alloys containing Sc. <i>Journal of Materials Research</i> , 2004 , 19, 1539-1543	2.5	56
461	High-strength hypereutectic TiFeCu bulk alloy with good ductility. <i>Philosophical Magazine Letters</i> , 2004 , 84, 359-364	1	40
460	Short-Range Order in Pd _{42.5} Cu ₃₀ Ni _{7.5} P ₂₀ Bulk and Ribbon Metallic Glasses. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004 , 22, 65-70	0.2	
459	Microstructure of tensile fracture in nanicosahedral quasicrystal dispersed Zr ₈₀ Pt ₂₀ amorphous alloy. <i>Scripta Materialia</i> , 2004 , 50, 1297-1301	5.6	8
458	Influence of hydrostatic pressure during casting on as cast structure and mechanical properties in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5} Pd _x (x=0, 17.5) alloys. <i>Scripta Materialia</i> , 2004 , 51, 1063-1068	5.6	40
457	Bulk glassy Ni(Co)NbTiZr alloys with high corrosion resistance and high strength. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 368-371	5.3	47
456	Size dependence of soft to hard magnetic transition in (Nd, Pr)FeAl bulk amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 1140-1144	5.3	21
455	Nanoclusters-critical thickness-magnetic properties relationship in Nd ₉₀ Fe _x Al ₁₀ amorphous ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1137-E1139	2.8	1
454	New Fe-based bulk glassy alloys with high saturated magnetic flux density of 1.4-1.5 T. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 302-306	5.3	60

453	Crystallisation behaviour of Cu ₆₀ Zr ₃₀ Ti ₁₀ bulk glassy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 744-748	5.3	17
452	Recent progress in bulk glassy, nanoquasicrystalline and nanocrystalline alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 16-30	5.3	214
451	Electron-beam welding of Zr ₅₀ Cu ₃₀ Ni ₁₀ Al ₁₀ bulk glassy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 422-426	5.3	17
450	Formation, thermal and mechanical properties of bulk glassy alloys in Zr ₄₀ Al ₁₀ Co and Zr ₄₀ Al ₁₀ CoCu systems. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 432-435	5.3	27
449	Bulk glassy soft-magnetic cores produced by spark-plasma sintering Fe ₆₅ Co ₁₀ Ga ₅ P ₁₂ C ₄ B ₄ glassy powder. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 666-670	5.3	23
448	Formation and mechanical properties of Zr-Cu-Al bulk glassy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 427-431	5.3	32
447	Finite element analysis of compressive deformation of bulk metallic glasses. <i>Acta Materialia</i> , 2004 , 52, 3813-3823	8.4	21
446	Superhigh strength and good soft-magnetic properties of (Fe,Co) ₈₅ Si ₁₀ Nb ₅ bulk glassy alloys with high glass-forming ability. <i>Applied Physics Letters</i> , 2004 , 85, 4911-4913	3.4	186
445	High-strength binary Ti-Fe bulk alloys with enhanced ductility. <i>Journal of Materials Research</i> , 2004 , 19, 3600-3606	2.5	79
444	Influences of hydrostatic pressure during casting and Pd content on as-cast phase in Zr-Al-Ni-Cu-Pd bulk alloys. <i>Applied Physics Letters</i> , 2004 , 85, 2205-2207	3.4	20
443	Hydrogen permeation characteristics of melt-spun Zr ₆₀ Al ₁₅ Co _{2.5} Ni _{7.5} Cu ₁₅ glassy alloy membrane. <i>Journal of Alloys and Compounds</i> , 2004 , 372, 197-200	5.7	28
442	High strength and ductile bulk Ti ₅₀ Ni ₂₀ Cu ₁₀ Nb alloy with submicron-size structure units obtained by arc-melting. <i>Journal of Alloys and Compounds</i> , 2004 , 375, 171-174	5.7	11
441	High strength and ductile binary Ti ₈₀ Fe composite alloy. <i>Journal of Alloys and Compounds</i> , 2004 , 384, L1-L35.7		62
440	Preparation and properties study of bulk Fe _{75.5} Ga ₃ P _{10.5} C ₄ B ₄ Si ₃ metallic glass ring by copper mold casting. <i>Intermetallics</i> , 2004 , 12, 1261-1264	3.5	9
439	Application of a Hydrogen Storage Alloy with an Amorphous Phase for Sensing Hydrogen in Water. <i>Chemistry Letters</i> , 2004 , 33, 1520-1521	1.7	2
438	Cu-Based Bulk Glass Formation in the Cu-Zr-Ga Alloy System and Their Mechanical Properties. <i>Materials Transactions</i> , 2004 , 45, 532-535	1.3	14
437	Fe-B-Si-Nb Bulk Metallic Glasses with High Strength above 4000 MPa and Distinct Plastic Elongation. <i>Materials Transactions</i> , 2004 , 45, 1214-1218	1.3	75
436	Bulk Metallic Glasses for Industrial Products. <i>Materials Transactions</i> , 2004 , 45, 1245-1250	1.3	33

435	Production of Glassy Coil Springs by Warm Coiling of Zr-based Glassy Alloy Wires. <i>Materials Transactions</i> , 2004 , 45, 2788-2790	1.3	4
434	Specific Heat Measurements of Pd-based Alloy in the Liquid State by the Heat-Flux Type DSC with Triple Cells. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2004 , 68, 499-502	0.4	4
433	Formation, Thermal Stability and Mechanical Properties of Aluminum-Based Glassy Alloys Containing Boron. <i>Materials Transactions</i> , 2004 , 45, 1204-1209	1.3	8
432	Retraction:Effect of Carbon Nanotube Addition on the Compressive Fracture Characteristics of Zr-based Bulk Metallic Glass Composites. <i>Materials Transactions</i> , 2004 , 45, 284-287	1.3	1
431	Formation, Thermal Stability and Mechanical Properties of Cu-Zr and Cu-Hf Binary Glassy Alloy Rods. <i>Materials Transactions</i> , 2004 , 45, 584-587	1.3	196
430	Synthesis and Fundamental Properties of Cu-Based Bulk Glassy Alloys in Binary and Multi-component Systems. <i>Materials Transactions</i> , 2004 , 45, 1153-1162	1.3	36
429	Microforming of Bulk Metallic Glasses: Constitutive Modelling and Applications. <i>Materials Transactions</i> , 2004 , 45, 1228-1232	1.3	10
428	Influence of In-Situ Nanoprecipitation on Constant Load Deformation in the Glass Transition Region of a Cu ₆₀ Zr ₃₀ Ti ₁₀ Bulk Metallic Glass. <i>Materials Transactions</i> , 2004 , 45, 2383-2388	1.3	
427	Formation of Porous Pd-based Bulk Glassy Alloys by a High Hydrogen Pressure Melting-Water Quenching Method and Their Mechanical Properties. <i>Materials Transactions</i> , 2004 , 45, 2761-2765	1.3	59
426	Formation and Mechanical Strength of New Cu-Based Bulk Glassy Alloys with Large Supercooled Liquid Region. <i>Materials Transactions</i> , 2004 , 45, 1210-1213	1.3	36
425	Magnetization Process and Coercivity of Fe-(Al, Ga)-(P, C, B, Si) Soft Magnetic Glassy Alloys. <i>Materials Transactions</i> , 2004 , 45, 1219-1227	1.3	27
424	Fillability and Imprintability of High-strength Ni-based Bulk Metallic Glass Prepared by the Precision Die-casting Technique. <i>Materials Transactions</i> , 2004 , 45, 1239-1244	1.3	45
423	Effect of Hydrogen Absorption on the Electrical Resistance of Melt-Spun Mg-Pd and Mg-Ni-Pd Amorphous Alloys. <i>Materials Transactions</i> , 2004 , 45, 1367-1370	1.3	12
422	New Cu-Zr-Al-Nb Bulk Glassy Alloys with High Corrosion Resistance. <i>Materials Transactions</i> , 2004 , 45, 1958-1961	1.3	20
421	In situ Formed (Cu _{0.6} Zr _{0.25} Ti _{0.15}) ₉₃ Nb ₇ Bulk Metallic Glass Composites. <i>Materials Transactions</i> , 2004 , 45, 2346-2350	1.3	15
420	Electrical Resistivity Measurements of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ Alloy in Supercooled Liquid and Liquid State. <i>Materials Transactions</i> , 2004 , 45, 2584-2586	1.3	4
419	Excellent Mechanical Properties of Cu-Hf-Ti-Ta Bulk Glassy Alloys Containing In-Situ Dendrite Ta-based BCC Phase. <i>Materials Transactions</i> , 2004 , 45, 2936-2940	1.3	22
418	New Ti-Based Bulk Glassy Alloys with High Glass-Forming Ability and Superior Mechanical Properties. <i>Materials Transactions</i> , 2004 , 45, 3223-3227	1.3	76

417	Formation and mechanical properties of Cu ₅₀ Hf ₄₀ Al bulk glassy alloys with a large supercooled liquid region of over 90 K. <i>Journal of Materials Research</i> , 2003 , 18, 1435-1440	2.5	38
416	Formation, corrosion behavior, and mechanical properties of bulk glassy Zr ₄₀ Al ₁₀ Co ₃₀ Nb alloys. <i>Journal of Materials Research</i> , 2003 , 18, 1652-1658	2.5	48
415	Thermal Stability, Glass-Forming Ability and Mechanical Properties of Mg-Y-Zn-Cu Glassy Alloys. <i>Materials Transactions</i> , 2003 , 44, 2271-2275	1.3	29
414	Enhanced Shot Peening Effect for Steels by Using Fe-based Glassy Alloy Shots. <i>Materials Transactions</i> , 2003 , 44, 2391-2395	1.3	27
413	?????????????????????????????????. <i>Materia Japan</i> , 2003 , 42, 413-421	0.1	2
412	Effects of Additional Elements on the Glass Formation and Corrosion Behavior of Bulk Glassy Cu-Hf-Ti Alloys. <i>Materials Transactions</i> , 2003 , 44, 1042-1045	1.3	23
411	Thermal Stability and Mechanical Properties of Glassy and Amorphous Ni-Nb-Zr Alloys Produced by Rapid Solidification. <i>Materials Transactions</i> , 2003 , 44, 1167-1171	1.3	60
410	Consolidation of Fe-Co-Nd-Dy-B Glassy Powders by Spark-Plasma Sintering and Magnetic Properties of the Consolidated Alloys. <i>Materials Transactions</i> , 2003 , 44, 138-143	1.3	26
409	Microstructure and Mechanical Properties of Cr, Mo, Fe, Ta Modified Pd-Ni-Cu-P Glassy Alloys Prepared by Copper-Mold Casting. <i>Materials Transactions</i> , 2003 , 44, 188-196	1.3	6
408	High Strength Ni-Fe-W and Ni-Fe-W-P Alloys Produced by Electrodeposition. <i>Materials Transactions</i> , 2003 , 44, 1942-1947	1.3	20
407	Nanocrystalline structure and Mechanical Properties of Vapor Quenched Al-Zr-Fe Alloy Sheets Prepared by Electron-Beam Deposition. <i>Materials Transactions</i> , 2003 , 44, 1948-1954	1.3	9
406	Long-Period Hexagonal Structures in Melt-Spun Mg ₉₇ Ln ₂ Zn ₁ (Ln=Lanthanide Metal) Alloys. <i>Materials Transactions</i> , 2003 , 44, 2151-2156	1.3	90
405	Thermal Stability and Mechanical Properties of Cu-Based Bulk Glassy Alloys in Cu ₅₀ (Zr _{1-x} Hf _x) ₄₅ Al ₅ System. <i>Materials Transactions</i> , 2003 , 44, 2220-2223	1.3	17
404	Fabrication, Thermal Stability and Mechanical Properties of Porous Bulk Glassy Pd-Cu-Ni-P Alloys. <i>Materials Transactions</i> , 2003 , 44, 2228-2231	1.3	64
403	Amorphous Co-Ni-P Alloys with High Saturation Magnetization Produced by Electrodeposition. <i>Materials Transactions</i> , 2003 , 44, 911-916	1.3	5
402	Formation, Thermal Stability, Mechanical Properties and Corrosion Resistance of Cu-Zr-Ti-Ni-Nb Bulk Glassy Alloys. <i>Materials Transactions</i> , 2003 , 44, 1147-1152	1.3	19
401	Crystallization and Magnetic Properties of Fe ₄₀ Co ₄₀ Cu _{0.5} Al ₂ Zr ₉ Si ₄ B _{4.5} and Fe ₆₂ Co _{9.5} Gd _{3.5} Si ₁₀ B ₁₅ Amorphous Alloys. <i>Materials Transactions</i> , 2003 , 44, 1562-1565	1.3	6
400	Formation and High Mechanical Strength of Bulk Glassy Alloys in Zr-Al-Co-Cu System. <i>Materials Transactions</i> , 2003 , 44, 1839-1844	1.3	16

399	Hydrogen Permeation Characteristics of Melt-Spun Ni-Nb-Zr Amorphous Alloy Membranes. <i>Materials Transactions</i> , 2003 , 44, 1885-1890	1.3	91
398	Thermal Stability and Mechanical Properties of Cu-Hf-Al Base Bulk Glassy Alloys with a Large Supercooled Liquid Region of Over 100 K. <i>Materials Transactions</i> , 2003 , 44, 2346-2349	1.3	14
397	Corrosion Behavior of Cu-Zr-Ti-Nb Bulk Glassy Alloys. <i>Materials Transactions</i> , 2003 , 44, 749-753	1.3	51
396	Bulk Glassy Alloys with Low Liquidus Temperature in Pt-Cu-P System. <i>Materials Transactions</i> , 2003 , 44, 1143-1146	1.3	29
395	Nanoquasicrystallization in Metallic Glasses. <i>Materials Transactions</i> , 2003 , 44, 1971-1977	1.3	39
394	A New Soft Magnetic Bulk Metallic Glass with Dual Glass Phases. <i>Materials Transactions</i> , 2003 , 44, 2410-2413	1.3	2
393	Glass Transition Behavior and Mechanical Properties of Ni-Si-B-Based Glassy Alloys. <i>Materials Transactions</i> , 2003 , 44, 1425-1428	1.3	13
392	Origin of Low Coercivity of Fe-(Al, Ga)-(P, C, B, Si, Ge) Bulk Glassy Alloys. <i>Materials Transactions</i> , 2003 , 44, 2020-2024	1.3	76
391	Synthesis of Hard Magnet Materials by Uniaxial Hot-Pressing of Fe-Co-Nd-Dy-B Glassy Powders.. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2003 , 50, 50-57	0.2	
390	Formation and mechanical properties of Ni-based Ni ₄₀ Nb ₁₀ Ti ₁₀ B ₁₀ F bulk glassy alloys. <i>Scripta Materialia</i> , 2003 , 48, 641-645	5.6	80
389	Nanoparticles with icosahedral symmetry in Cu-based bulk glass former induced by Pd addition. <i>Scripta Materialia</i> , 2003 , 48, 1325-1329	5.6	50
388	Cobalt-based bulk glassy alloy with ultrahigh strength and soft magnetic properties. <i>Nature Materials</i> , 2003 , 2, 661-3	27	446
387	Structural and thermal investigations of a high-strength Cu-Zr-Ti-Co bulk metallic glass. <i>Philosophical Magazine Letters</i> , 2003 , 83, 191-201	1	41
386	Effect of Ni on stabilization of the supercooled liquid and devitrification of Cu ₄₀ Zr ₄₀ Ti ₂₀ bulk glassy alloys. <i>Journal of Non-Crystalline Solids</i> , 2003 , 325, 187-192	3.9	24
385	Nanocrystal reinforced Hf ₆₀ Ti ₁₅ Ni ₁₅ Cu ₁₀ metallic glass by melt-spinning. <i>Journal of Alloys and Compounds</i> , 2003 , 352, 265-269	5.7	9
384	Local structures around Zn and Y in the melt-quenched Mg ₉₇ Zn ₁ Y ₂ ribbon. <i>Journal of Alloys and Compounds</i> , 2003 , 353, 240-245	5.7	16
383	Discharge capacities of melt-spun Mg ₈₀ Ni ₁₀ Pd ₁₀ amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2003 , 358, 173-176	5.7	11
382	Formations of amorphous and quasicrystal phases in Ti ₄₀ Zr ₄₀ Ni ₂₀ Cu ₀ alloys. <i>Journal of Alloys and Compounds</i> , 2003 , 361, 234-240	5.7	28

- 381 Multistage devitrification of Mg-Ni-Mm and g-Ni-Y-Mm metallic glasses (Mm = misch metal). *Philosophical Magazine*, **2003**, 83, 203-216 1.6 21
- 380 Stability and Icosahedral Transformation of Supercooled Liquid in Metal-Metal type Bulk Glassy Alloys. *Materials Research Society Symposia Proceedings*, **2003**, 805, 188
- 379 Synthesis and mechanical characterisation of Fe-based bulk metallic glasses and mixed amorphous/crystalline phases. *Materials Research Society Symposia Proceedings*, **2003**, 791, 1
- 378 Fabrication of large-size Fe-based glassy cores with good soft magnetic properties by spark plasma sintering. *Journal of Materials Research*, **2003**, 18, 2115-2121 2.5 35
- 377 Heating and Structural Disordering Effects of the Nonlinear Viscous Flow in a Zr55Al10Ni5Cu30 Bulk Metallic Glass. *Materials Research Society Symposia Proceedings*, **2003**, 806, 344
- 376 Soft Magnetic Properties of Nanocrystalline Fe₇₀Co₁₀B₁₀Ni₁₀Cu Alloys in Ribbon and Bulk Forms. *Journal of Materials Research*, **2003**, 18, 2799-2806 2.5 38
- 375 Stability and Icosahedral Transformation of Supercooled Liquid in Metal-Metal type Bulk Glassy Alloys. *Materials Research Society Symposia Proceedings*, **2003**, 806, 161
- 374 Bulk metallic glasses for industrial products; New structural and functional applications. *Materials Research Society Symposia Proceedings*, **2003**, 806, 41 5
- 373 Bulk glassy Cu-based alloys with a large supercooled liquid region of 110 K. *Applied Physics Letters*, **2003**, 83, 2351-2353 3.4 21
- 372 Etude d'alliages formant des verres métalliques massifs, par rayonnement synchrotron de haute énergie. *Annales De Chimie: Science Des Matériaux*, **2002**, 27, 107-112 2.1 3
- 371 Dynamic response of a Pd40Ni40P20 bulk metallic glass in tension. *Scripta Materialia*, **2002**, 46, 43-47 5.6 173
- 370 Hot pressing of Fe₇₀Ni₁₀Dy₁₀B glassy powders in supercooled liquid state and hard magnetic properties of the consolidated alloys. *Scripta Materialia*, **2002**, 47, 231-235 5.6 24
- 369 Development of in-house fast X-ray diffraction apparatus and its application to the supercooled liquid Pd40Ni10Cu30P20 alloy. *Science and Technology of Advanced Materials*, **2002**, 3, 69-73 7.1 3
- 368 Factors influencing glass formation in rapidly solidified Si₃₅Ge₁₅Ni and Si₃₅Ge₁₅Ni₁₀D alloys. *Applied Physics Letters*, **2002**, 80, 1556-1558 3.4 9
- 367 Electrochemical and Thermal Properties of Hydrogen-absorbed Mg₆₇Ni₂₈Pd₅ Amorphous Alloy. *Journal of Materials Research*, **2002**, 17, 60-64 2.5 12
- 366 Investigation of Structure and Properties of the Al₇₅Ni₁₀Co₁₅Cu Metallic Glasses. *Journal of Materials Research*, **2002**, 17, 1014-1018 2.5 33
- 365 Bulk nanocomposite permanent magnets produced by crystallization of Fe_{66.5}Co₁₀Pr_{3.5}B₂₀ bulk glassy alloy. *Journal of Applied Physics*, **2002**, 91, 8834 2.5 43
- 364 Formation of ε Phase in Fe₆₀Nb₁₀B₃₀ Amorphous Alloy with a Large Supercooled Liquid Region. *Japanese Journal of Applied Physics*, **2002**, 41, 219-221 1.4 34

363	Magnetostriction and Coercivity of Soft Magnetic Fe-(Al, Ga)-(P, C, B, Si) Bulk Glassy Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 754, 1		1
362	Formation of Zr ₇₀ Ni ₂₃ Ti ₇ Glassy Alloy and Phase Transformation upon Annealing. <i>Journal of Materials Research</i> , 2002 , 17, 693-696	2.5	5
361	Formation of Bulk Glassy Fe ₇₅₋₈₀ Cr _x MoyC ₁₅ B ₁₀ Alloys and Their Corrosion Behavior. <i>Journal of Materials Research</i> , 2002 , 17, 701-704	2.5	69
360	Thermal Stability and Mechanical Strength of Bulk Glassy Ni-Nb-Ti-Zr Alloys. <i>Materials Transactions</i> , 2002 , 43, 1952-1956	1.3	116
359	Thermal Stability and Soft Magnetic Properties of (Fe, Co)-(Nd, Dy)-B Glassy Alloys with High Boron Concentrations. <i>Materials Transactions</i> , 2002 , 43, 1974-1978	1.3	9
358	Effects of Chromium on the Glass Formation and Corrosion Behavior of Bulk Glassy Fe-Cr-Mo-C-B Alloys. <i>Materials Transactions</i> , 2002 , 43, 2137-2142	1.3	51
357	Formation and Soft Magnetic Properties of Fe-B-Si-Zr Bulk Glassy Alloys with High Saturation Magnetization above 1.5 T. <i>Materials Transactions</i> , 2002 , 43, 2350-2353	1.3	27
356	Formation, Thermal Stability and Mechanical Properties of (Cu _{0.6} Zr _{0.3} Ti _{0.1}) _{100-x} M _x (M=Fe, Co, Ni) Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 3222-3226	1.3	39
355	Relationship Between the Liquidus Surface and Structures of Zr-Cu-Al Bulk Amorphous Alloys. <i>Materials Transactions</i> , 2002 , 43, 575-579	1.3	56
354	Novel Hexagonal Structure of Ultra-High Strength Magnesium-Based Alloys. <i>Materials Transactions</i> , 2002 , 43, 580-584	1.3	74
353	Structure and Magnetic Properties of Fe _{42.5} Co _{42.5} Nb ₇ B ₈ Nanocrystalline Alloy. <i>Materials Transactions</i> , 2002 , 43, 589-592	1.3	20
352	Formation and Mechanical Strength of Bulk Glassy Alloys in Zr-Al-Co-Cu System. <i>Materials Transactions</i> , 2002 , 43, 1250-1253	1.3	4
351	Thermal Stability and Mechanical Properties of Bulk Glassy Cu-Zr-Ti-(Nb, Ta) Alloys. <i>Materials Transactions</i> , 2002 , 43, 1367-1370	1.3	33
350	Mechanically Induced Solid-State Reaction for Synthesizing New Multicomponent Ta ₅₅ Zr ₁₀ Ni ₁₀ Al ₁₀ Cu ₁₅ Glassy Alloy Powders with Extremely Wide Supercooled Liquid Region. <i>Materials Transactions</i> , 2002 , 43, 1422-1425	1.3	6
349	Bulk Glassy Pd-Cu-Ni-Cr-P Alloys Containing Dispersed Nanoparticles Prepared by Copper-Mold Casting. <i>Materials Transactions</i> , 2002 , 43, 1737-1740	1.3	4
348	Preparation of Fe ₆₅ Co ₁₀ Ga ₅ P ₁₂ C ₄ B ₄ Bulk Glassy Alloy with Good Soft Magnetic Properties by Spark-Plasma Sintering of Glassy Powder. <i>Materials Transactions</i> , 2002 , 43, 1961-1965	1.3	26
347	Developments of Aluminum- and Magnesium-Based Nanophase High-Strength Alloys by Use of Melt Quenching-Induced Metastable Phase. <i>Materials Transactions</i> , 2002 , 43, 2006-2016	1.3	13
346	Calculations of Crystallization Temperature of Multicomponent Metallic Glasses. <i>Materials Transactions</i> , 2002 , 43, 2275-2284	1.3	6

345	Soft Magnetic Properties of Nanocrystalline Fe-Si-B-Nb-Cu Rod Alloys Obtained by Crystallization of Cast Amorphous Phase. <i>Materials Transactions</i> , 2002 , 43, 2337-2341	1.3	29
344	Fabrication of Bulk Glassy Hf50Cu30Ni10Al10 Alloy by Copper Mold Casting. <i>Materials Transactions</i> , 2002 , 43, 2357-2359	1.3	14
343	Formation and Thermal Stability of Ca-Mg-Ag-Cu Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 2578-2581	1.3	50
342	On The Characterization of Plastic Flow in Zr-based Metallic Glass Through Micro-indentation: an Atomic Force Microscopy Analysis. <i>Materials Transactions</i> , 2002 , 43, 2617-2621	1.3	17
341	Deformation and Fracture Behaviors of Pd-Cu-Ni-P Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 3266-3272	1.3	27
340	Formation, Thermal Stability and Mechanical Properties of Ca-Based Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 81-84	1.3	78
339	?????????????????. <i>Materia Japan</i> , 2002 , 41, 644-649	0.1	2
338	Formation of Bulk Glassy Ni-(Co-)Nb-Ti-Zr Alloys with High Corrosion Resistance. <i>Materials Transactions</i> , 2002 , 43, 1771-1773	1.3	37
337	Recent Progress in Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 1892-1906	1.3	254
336	Determination of Atomic Sites of Nb Dissolved in Metastable Fe ₂₃ B ₆ Phase. <i>Materials Transactions</i> , 2002 , 43, 1918-1920	1.3	16
335	Prediction of Glass-Forming Composition Ranges in Zr-Ni-Al Alloys. <i>Materials Transactions</i> , 2002 , 43, 2502-2508	1.3	23
334	Electron Beam Welding of Zr ₅₀ Cu ₃₀ Ni ₁₀ Al ₁₀ Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 2509-2515	1.3	19
333	New Glassy Zr-Al-Fe and Zr-Al-Co Alloys with a Large Supercooled Liquid Region. <i>Materials Transactions</i> , 2002 , 43, 267-270	1.3	38
332	Formation, Thermal Stability and Mechanical Properties of Cu-Zr-Al Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 2921-2925	1.3	217
331	New Bulk Glassy Ni-Based Alloys with High Strength of 3000 MPa. <i>Materials Transactions</i> , 2002 , 43, 708-714	1.3	162
330	Effects of Ti on the Thermal Stability and Glass-Forming Ability of Ni-Nb Glassy Alloy. <i>Materials Transactions</i> , 2002 , 43, 2342-2345	1.3	70
329	Soft Magnetic Bulk Glassy Fe-B-Si-Nb Alloys with High Saturation Magnetization above 1.5 T. <i>Materials Transactions</i> , 2002 , 43, 766-769	1.3	147
328	New V ₄₅ Zr ₂₀ Ni ₂₀ Cu ₁₀ Al _{2.5} Pd _{2.5} Glassy Alloy Powder with Wide Supercooled Liquid Region. <i>Materials Transactions</i> , 2002 , 43, 770-772	1.3	6

327	Bulk Glassy Fe-Ga-P-C-B-Si Alloys with High Glass-Forming Ability, High Saturation Magnetization and Good Soft Magnetic Properties. <i>Materials Transactions</i> , 2002 , 43, 1235-1239	1.3	62
326	Formation, Thermal Stability and Mechanical Properties in Zr-Al-Co Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 2843-2846	1.3	38
325	Formation and Soft Magnetic Properties of Co-Fe-Si-B-Nb Bulk Glassy Alloys. <i>Materials Transactions</i> , 2002 , 43, 1230-1234	1.3	24
324	Computer-Aided Development of Multicomponent Metallic Glasses. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 754, 1		
323	Observations of stress-induced structural disorder and fictive stress in bulk metallic glasses. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 754, 1		
322	Bulk nanocomposite permanent magnets produced by crystallization of (Fe,Co)(Nd,Dy)B bulk glassy alloy. <i>Applied Physics Letters</i> , 2002 , 80, 1610-1612	3.4	73
321	Cu-based bulk glassy alloys with high tensile strength of over 2000 MPa. <i>Journal of Non-Crystalline Solids</i> , 2002 , 304, 200-209	3.9	119
320	Precipitation of icosahedral quasicrystalline and crystalline approximant phases in ZrCu(Co, Rh or Ir) metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2002 , 306, 175-181	3.9	11
319	Stability and thermodynamics of primary precipitation in supercooled PdCuNiB melt. <i>Journal of Non-Crystalline Solids</i> , 2002 , 312-314, 575-580	3.9	3
318	Thermal stabilities and discharge capacities of melt-spun MgNi-based amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2002 , 339, 230-235	5.7	72
317	Microstructure and crystallization of melt-spun TiNiZr alloys. <i>Journal of Alloys and Compounds</i> , 2002 , 339, 216-220	5.7	14
316	Structure and transformation behaviour of rapidly solidified NiAlBf alloys. <i>Journal of Alloys and Compounds</i> , 2002 , 340, 151-156	5.7	4
315	Electrode properties of rapidly solidified Mg ₆₇ Ni ₂₃ Pd ₁₀ amorphous alloy. <i>Journal of Alloys and Compounds</i> , 2002 , 347, 239-243	5.7	25
314	Effect of strain rate on compressive behavior of a Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glass. <i>Intermetallics</i> , 2002 , 10, 1071-1077	3.5	260
313	Cast structure and mechanical properties of ZrCuNiAl bulk glassy alloys. <i>Intermetallics</i> , 2002 , 10, 1113-1124	3.5	82
312	Stability and nucleation behavior of glass-forming PdCuNiB alloy with a critical cooling rate of 0.067 K/s. <i>Intermetallics</i> , 2002 , 10, 1141-1147	3.5	38
311	Amorphous forming ability and mechanical properties of rapidly solidified AlZrLTM (LTM=Fe, Co, Ni and Cu) alloys. <i>Materials Letters</i> , 2002 , 52, 47-52	3.3	16
310	Influence of a supercooled liquid on crystallization behaviour of AlNiCo metallic glass. <i>Materials Letters</i> , 2002 , 54, 75-80	3.3	31

309	Charge state of rare earth ions and glass transition in the glassy Al ₈₅ Ni ₁₀ R ₅ alloys 2002 , 79-82		
308	Precipitation of Nano-Scale Icosahedral Quasicrystalline Phase in Amorphous Hf ₇₃ Pd ₂₇ Alloy. <i>Materials Transactions</i> , 2001 , 42, 176-178	1.3	11
307	Hydrogen Permeation Characteristics of Melt-Spun Ni-Nb-Zr Amorphous Alloy Membranes. <i>Materials Transactions</i> , 2001 , 42, 1885-1890	1.3	
306	Preparation and Magnetic Properties of Co-based Bulk Glassy Alloys. <i>Materials Transactions</i> , 2001 , 42, 2572-2575	1.3	27
305	Thermal and Mechanical Properties of Cu-Based Cu-Zr-Ti Bulk Glassy Alloys. <i>Materials Transactions</i> , 2001 , 42, 1149-1151	1.3	114
304	Hard Magnetic Properties and Nanocrystallized Structure of Fe _{66.5} Co ₁₀ Pr _{3.5} B ₂₀ Glassy Alloy. <i>Materials Transactions</i> , 2001 , 42, 1543-1546	1.3	8
303	In-house Anomalous X-ray Scattering Analysis for the Amorphous Zr ₆₀ Al ₁₅ Ni ₂₅ Alloy. <i>Materials Transactions</i> , 2001 , 42, 1977-1980	1.3	1
302	Formation of Ti-Zr(Hf)-Ni-Cu Amorphous Alloys and Quasicrystal Precipitation upon Annealing. <i>Materials Transactions</i> , 2001 , 42, 528-531	1.3	19
301	Preparation of Bulk Glassy Mg ₆₅ Y ₁₀ Cu ₁₅ Ag ₅ Pd ₅ Alloy of 12 mm in Diameter by Water Quenching. <i>Materials Transactions</i> , 2001 , 42, 543-545	1.3	48
300	Application of Zr-Based Bulk Glassy Alloys to Golf Clubs. <i>Materials Transactions</i> , 2001 , 42, 678-681	1.3	80
299	Superplastic Deformation of Supercooled Liquid in Zr-Based Bulk Glassy Alloys Containing Nano-Quasicrystalline Particles. <i>Materials Transactions</i> , 2001 , 42, 1517-1522	1.3	16
298	Nano Icosahedral Quasicrystalline Phase in Zr ₆₅ Al _{7.5} Ni ₁₀ Ag _{17.5} Quaternary Glassy Alloy. <i>Materials Transactions</i> , 2001 , 42, 1493-1496	1.3	7
297	The influence of rare earth metals on the structure of some rapidly solidified Ge- and Si-based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 505-509	5.3	4
296	Bulk amorphous and nanocrystalline alloys with high functional properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 1-10	5.3	270
295	Newtonian and non-Newtonian viscosity of supercooled liquid in metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 674-678	5.3	84
294	Ti-based amorphous alloys with a large supercooled liquid region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 771-774	5.3	109
293	Superplastic micro/nano-formability of La ₆₀ Al ₂₀ Ni ₁₀ Co ₅ Cu ₅ amorphous alloy in supercooled liquid state. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 716-720	5.3	63
292	Superplasticity in Fe-based metallic glass with wide supercooled liquid region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 735-739	5.3	31

291	Characteristic behavior of La ₅₅ Al ₂₅ Ni ₂₀ amorphous alloy under rapid heating. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 743-748	5.3	19
290	Structure and soft magnetic properties of bulk Fe-Al-Ga-P-C-B-Si glassy alloys prepared by consolidating amorphous powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 1019-1022	5.3	28
289	Crystallization processes from supercooled liquid of Cu ₄₀ Ti ₃₀ Ni ₁₅ Zr ₁₀ Sn ₅ and Zr ₆₀ Ni ₂₅ Al ₁₅ amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 380-384	5.3	8
288	Modeling of stress-strain curves for Pd ₄₀ Ni ₁₀ Cu ₃₀ P ₂₀ glass alloy under constant strain-rate deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 758-762	5.3	10
287	Behavior of electrical resistivity through glass transition in Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ metallic glass. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 304-306, 740-742	5.3	15
286	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	5.3	94
285	Nano icosahedral phase formation by crystallization of Zr-based ternary glassy alloys. <i>Scripta Materialia</i> , 2001 , 44, 1245-1249	5.6	10
284	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	5.6	2
283	In-situ observaton of the early stage of crystallization in undercooled Pd-Cu-Ni-P melt. <i>Scripta Materialia</i> , 2001 , 44, 1261-1267	5.6	7
282	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	5.6	81
281	Superplastic nanoforming of Pd-based amorphous alloy. <i>Scripta Materialia</i> , 2001 , 44, 1541-1545	5.6	171
280	Precipitation of icosahedral quasicrystalline phase in Hf _{69.5} Al _{7.5} Ni ₁₁ Cu ₁₂ metallic glass. <i>Journal of Materials Research</i> , 2001 , 16, 1190-1194	2.5	5
279	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	2.5	49
278	Novel hexagonal structure and ultrahigh strength of magnesium solid solution in the Mg ₇₂ Zn ₁₇ system. <i>Journal of Materials Research</i> , 2001 , 16, 1894-1900	2.5	299
277	Change in local atomic structure during formation of the icosahedral quasicrystalline phase in Zr ₇₀ Pd ₃₀ glassy alloy. <i>Journal of Materials Research</i> , 2001 , 16, 3046-3049	2.5	6
276	Initial crystallization processes of Zr-Cu-Rh metallic glasses. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, L803-L809	1.8	8
275	Precipitations of icosahedral quasicrystalline and crystalline approximant phases in Zr-Al-Ni-Cu-Ir metallic glasses. <i>Physical Review B</i> , 2001 , 63,	3.3	16
274	Strong influence of supercooled liquid on crystallization of the Al ₈₅ Ni ₅ Y ₄ Nd ₄ Co ₂ metallic glass. <i>Applied Physics Letters</i> , 2001 , 78, 3061-3063	3.4	35

273	Investigation of short-range order in nanocrystal-forming Zr ₆₀ Cu ₂₀ Pd ₁₀ Al ₁₀ metallic glass and the mechanism of nanocrystal formation. <i>Applied Physics Letters</i> , 2001 , 79, 1792-1794	3-4	21
272	Effects of Nb addition on icosahedral quasicrystalline phase formation and glass-forming ability of Zr ₆₀ Ni ₁₀ Cu ₁₀ Al ₂₀ metallic glasses. <i>Applied Physics Letters</i> , 2001 , 79, 1024-1026	3-4	26
271	Electronegativity of the constituent rare-earth metals as a factor stabilizing the supercooled liquid region in Al-based metallic glasses. <i>Applied Physics Letters</i> , 2001 , 79, 3410-3412	3-4	53
270	Direct observation of icosahedral cluster in Zr ₇₀ Pd ₃₀ binary glassy alloy. <i>Applied Physics Letters</i> , 2001 , 79, 412-414	3-4	108
269	Precipitation of icosahedral quasicrystalline phase in metallic Zr ₆₅ Al _{7.5} Ni ₅ Cu _{17.5} Re ₅ glass. <i>Materials Letters</i> , 2001 , 50, 318-321	3-3	12
268	Precipitation of nanoscale icosahedral quasicrystalline phase in Hf ₇₀ Ti ₃₀ amorphous alloy promoted by the addition of Ni. <i>Materials Letters</i> , 2001 , 51, 203-207	3-3	11
267	Fabrications and mechanical properties of bulk amorphous, nanocrystalline, nanoquasicrystalline alloys in aluminum-based system. <i>Journal of Light Metals</i> , 2001 , 1, 31-41		126
266	Effect of Zn addition on the crystallization process in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5} metallic glass. <i>Journal of Alloys and Compounds</i> , 2001 , 325, 230-235	5-7	13
265	Precipitation of nano-scale icosahedral quasicrystalline phase in amorphous Hf ₇₀ Ni ₁₀ Pd ₂₀ alloy. <i>Journal of Non-Crystalline Solids</i> , 2001 , 289, 163-167	3-9	2
264	Formation of nano icosahedral quasicrystalline phase in Zr-Ni-M (M=Pd, Au, Pt) ternary glassy alloys. <i>Ferroelectrics</i> , 2001 , 250, 285-288	0.6	
263	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	1.8	55
262	Formation and mechanical properties of Cu ₆₁ Bi ₁₁ Ni ₂₈ bulk glassy alloys [Article Retracted]. <i>Journal of Materials Research</i> , 2001 , 16, 2836-2844	2.5	67
261	Glass to Icosahedral Phase Transformation in Zr-based Glassy Metals. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 676, 3391		
260	Local Atomic Structures in Amorphous and Quasicrystalline Zr ₇₀ Ni ₁₀ Pt ₂₀ and Zr ₈₀ Pt ₂₀ Alloys by the Anomalous X-ray Scattering Method. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 111		2
259	Local Atomic Structures and Plastic Deformation Modes in the Supercooled Liquid State of La ₅₅ Al ₂₅ Ni ₂₀ . <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 1111		
258	Structure and Soft Magnetic Properties of Bulk Fe-Al-Ga-P-C-B-Si Glassy Alloys Prepared by Consolidating Glassy Powders. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 12131		
257	Production of Zr-based Amorphous Wires by Rotating Disk Casting Method. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 12241		
256	Glass-Forming Ability and Crystallization of High Purity Pd-Cu-Ni-P Alloy. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 311		1

255	Formation of Nano Icosahedral Quasicrystalline Phase in Zr-based Binary and Ternary Glassy Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 611		
254	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		1
253	Stabilization of metallic supercooled liquid and bulk amorphous alloys. <i>Acta Materialia</i> , 2000 , 48, 279-306.4	4701	
252	High-strength aluminum alloys containing nanoquasicrystalline particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 286, 1-10	5.3	130
251	High-strength aluminum- and zirconium-based alloys containing nanoquasicrystalline particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 294-296, 727-735	5.3	64
250	Effect of Sn addition on the glass-forming ability in (Cu ₄₀ Ti ₃₀ Ni ₁₅ Zr ₁₀)(100-x)/95Sn _x (x = 0, 2, 4, 6 and 8) alloys. <i>Scripta Materialia</i> , 2000 , 42, 923-927	5.6	10
249	Synthesis of ZrC/Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ metallic-glass matrix composite powders by high pressure gas atomization. <i>Scripta Materialia</i> , 2000 , 43, 1119-1124	5.6	9
248	Ferromagnetic bulk glassy alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 215-216, 246-252	2.8	82
247	A jelly-like ceramic fiber at 1193 K. <i>Materials Research Innovations</i> , 2000 , 3, 185-189	1.9	2
246	Newtonian viscosity of supercooled liquid in a Pd ₄₀ Ni ₄₀ P ₂₀ metallic glass. <i>Applied Physics Letters</i> , 2000 , 77, 1114-1116	3.4	90
245	Nano-icosahedral quasicrystalline phase formation from a supercooled liquid state in Zr ₄₀ Be ₄₀ Ni ₂₀ ternary metallic glass. <i>Applied Physics Letters</i> , 2000 , 76, 3037-3039	3.4	13
244	Precipitation of icosahedral quasicrystalline phase in Hf ₆₅ Al _{7.5} Ni ₁₀ Cu _{12.5} Pd ₅ metallic glass. <i>Applied Physics Letters</i> , 2000 , 77, 528-530	3.4	56
243	Crystallization and hard magnetic properties of Fe ₄₀ Co ₁₀ Ni ₁₀ Dy ₅ B amorphous alloys with glass transition. <i>Journal of Applied Physics</i> , 2000 , 87, 6122-6124	2.5	21
242	Ductility of bulk nanocrystalline composites and metallic glasses at room temperature. <i>Applied Physics Letters</i> , 2000 , 77, 46-48	3.4	172
241	AlBe-based bulk quasicrystalline alloys with high elevated temperature strength. <i>Journal of Materials Research</i> , 2000 , 15, 2737-2744	2.5	30
240	Crystallization process of Zr ₆₀ Ni ₂₅ Al ₁₅ amorphous alloy. <i>Materials Letters</i> , 2000 , 44, 80-86	3.3	26
239	Mechanical properties of Zr-based bulk glassy alloys containing nanoscale compound particles. <i>Intermetallics</i> , 2000 , 8, 455-468	3.5	35
238	Nanocrystal composites in Zr ₆₀ Ni ₂₅ Al ₁₅ metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2000 , 270, 28-33	3.9	45

237	Dynamic crystallization process in a supercooled liquid region of Cu ₄₀ Ti ₃₀ Ni ₁₅ Zr ₁₀ Sn ₅ amorphous alloy. <i>Journal of Non-Crystalline Solids</i> , 2000 , 261, 108-114	3.9	39
236	Deformation behavior of Zr-based bulk nanocrystalline amorphous alloys. <i>Physical Review B</i> , 2000 , 61, R3761-R3763	3.3	154
235	Nanoscale icosahedral quasicrystalline phase formation in a rapidly solidified Zr ₈₀ Pt ₂₀ binary alloy. <i>Applied Physics Letters</i> , 2000 , 77, 73-75	3.4	58
234	Thermal Stability and Mechanical Properties of Mg–Y–Cu–M (M = Ag, Pd) Bulk Amorphous Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 1460-1462		115
233	Ti-Containing Zr Based Bulk Amorphous/Nanocrystalline Composite Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 1467-1470		6
232	Thermal Stability and Magnetic Properties of Fe–Co–Pr–B Amorphous Alloys with a Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 2000 , 41, 1482-1485		5
231	Crystallization Behavior of Amorphous Fe _{90-x} Nb ₁₀ B _x (x=10 and 30) Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 1526-1529		98
230	Calculations of Mixing Enthalpy and Mismatch Entropy for Ternary Amorphous Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 1372-1378		533
229	Thermal Expansion and Specific Volume of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ Alloy in Various States. <i>Materials Transactions, JIM</i> , 2000 , 41, 1432-1434		36
228	A New Method for Producing Amorphous Alloy Wires. <i>Materials Transactions, JIM</i> , 2000 , 41, 1463-1466		13
227	Corrosion Behavior of Zr–(Nb–)Al–Ni–Cu Glassy Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 1490-1494		76
226	Growth of a Single Al ₆₄ Cu ₂₃ Fe ₁₃ Icosahedral Quasicrystal Using the Czochralski Method and Annealing Removal of Strains. <i>Materials Transactions, JIM</i> , 2000 , 41, 1583-1588		7
225	Formation and Magnetic Properties of Bulk Glassy Fe–Co–Nd–Dy–B Alloys with High Boron Concentrations. <i>Materials Transactions, JIM</i> , 2000 , 41, 1679-1682		24
224	Bulk Amorphous Fe–Ga–P–B–C Alloys with a Large Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 2000 , 41, 873-876		62
223	Thermal Stability and Soft Magnetic Properties of Co–Fe–M–B (M=Nb, Zr) Amorphous Alloys with Large Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 2000 , 41, 1256-1262		101
222	Effects of Thermal Treatment on Structure of Fe–Co–Ni–Zr–B Glassy Alloy with a Large Supercooled-Liquid Region Studied by Mössbauer Spectroscopy. <i>Materials Transactions, JIM</i> , 2000 , 41, 1392-1396		5
221	Increase in Thermal Stability of Mg ₆₂ Ni ₃₃ Ca ₅ Amorphous Alloy by Absorption of Hydrogen. <i>Materials Transactions, JIM</i> , 2000 , 41, 1486-1489		7
220	Formation of an Icosahedral Quasicrystalline Phase in Zr ₆₅ Al _{7.5} Ni ₁₀ M _{17.5} (M = Pd, Au or Pt) Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 362-365		68

219	Soft Magnetic Properties of Fe-Based Bulk Amorphous Alloys. <i>Materials Transactions, JIM</i> , 2000 , 41, 1471-1477	55
218	Bulk Amorphous Co–Ni-Based Alloys with a Large Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 2000 , 41, 539-542	55
217	Effect of Dy Addition on the Thermal Stability and Magnetic Properties of the Fe–Co–Nd–B Amorphous Alloys with Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 2000 , 41, 696-700	9
216	Enhancement of Strength and Ductility in Zr-Based Bulk Amorphous Alloys by Precipitation of Quasicrystalline Phase. <i>Materials Transactions, JIM</i> , 2000 , 41, 1511-1520	31
215	Synthesis and Viscoelasticity of Zr-based Bulk Glassy Alloy Containing ZrC Particles. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 644, 1191	
214	Multicomponent metastable phase formed by crystallization of TiNiCuSnZr amorphous alloy. <i>Journal of Materials Research</i> , 1999 , 14, 4426-4430	2.5 34
213	Nanocrystalline composites with high strength obtained in ZrTiNiCuAl bulk amorphous alloys. <i>Applied Physics Letters</i> , 1999 , 75, 340-342	3.4 89
212	Influence of the liquid states on the crystallization process of nanocrystal-forming ZrCuPdAl metallic glasses. <i>Applied Physics Letters</i> , 1999 , 75, 3644-3646	3.4 27
211	Chapter 14 Bulk amorphous alloys. <i>Pergamon Materials Series</i> , 1999 , 2, 375-415	30
210	Low core losses and soft magnetic properties of FeAlCoBSi glassy alloy ribbons with large thicknesses. <i>Journal of Applied Physics</i> , 1999 , 85, 4418-4420	2.5 17
209	New Fe-based amorphous alloys with large magnetostriction and wide supercooled liquid region before crystallization. <i>Journal of Applied Physics</i> , 1999 , 85, 4491-4493	2.5 27
208	Stabilization and high strain-rate superplasticity of metallic supercooled liquid. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 267, 171-183	5.3 105
207	The influence of cooling rate on the formation of an amorphous phase in Si-based multicomponent alloys and its thermal stability. <i>Materials Research Bulletin</i> , 1999 , 34, 1165-1172	5.1 8
206	The structure and phase transformation behavior of rapidly solidified alloys in the GeAlIn system. <i>Materials Research Bulletin</i> , 1999 , 34, 1991-2001	5.1 8
205	High-frequency permeability of (Fe, Co, Ni) ₆₂ Nb ₈ B ₃₀ amorphous alloys with a wide supercooled liquid region. <i>Applied Physics Letters</i> , 1999 , 74, 2510-2512	3.4 20
204	Ge-Al-Cr-La amorphous alloys containing crystalline-like zones. <i>Scripta Materialia</i> , 1999 , 11, 115-123	8
203	Hydrogen absorption and desorption behavior of Zr-based amorphous alloys with a large structurally relaxed amorphous region. <i>Journal of Alloys and Compounds</i> , 1999 , 292, 275-280	5.7 27
202	Formation of nanocrystalline nuclei in the amorphous phase of Ge ₅₅ Al ₃₀ Cr ₁₀ Y ₅ alloy. <i>Materials Letters</i> , 1999 , 39, 211-214	3.3 3

201	Stabilization of supercooled liquid and bulk glassy alloys in ferrous and non-ferrous systems. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 552-559	3.9	31
200	High-strength bulk nanocrystalline alloys in a Zr-based system containing compound and glassy phases. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 724-728	3.9	12
199	Change in electron transport property after glass transition in several Pd-based metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 1999 , 250-252, 781-785	3.9	26
198	High-strength bulk nanocrystalline alloys containing compound and amorphous phases. <i>Scripta Materialia</i> , 1999 , 12, 741-749		23
197	Production and high-strength properties of nonequilibrium bulk aluminum-based alloys.. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 1999 , 49, 214-221	0.3	3
196	Thermal Stability and Soft Magnetic Properties of Fe–Nb–B Amorphous Alloys with High Boron Concentrations. <i>Materials Transactions, JIM</i> , 1999 , 40, 643-647		32
195	Thermal and Magnetic Properties of Fe–Co–Ln–B (Ln=Nd, Sm, Tb or Dy) Amorphous Alloys with High Magnetostriction. <i>Materials Transactions, JIM</i> , 1999 , 40, 78-81		34
194	Production of Zr-Based Bulk Glassy Alloys with High Strength and High Toughness and Their Applications to Golf Clubs.. <i>Materia Japan</i> , 1999 , 38, 251-253	0.1	14
193	Nanocrystalline Zr-Based Bulk Glassy Alloys with High Flexural Strength. <i>Materials Transactions, JIM</i> , 1999 , 40, 1015-1018		22
192	Stress Overshoot in Stress-Strain Curves of Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅ Metallic Glass. <i>Materials Transactions, JIM</i> , 1999 , 40, 335-342		47
191	Preparation and Mechanical Properties of Zr-based Bulk Nanocrystalline Alloys Containing Compound and Amorphous Phases. <i>Materials Transactions, JIM</i> , 1999 , 40, 42-51		106
190	Bulk Amorphous FC20 (Fe–C–Si) Cast Iron with Small Addition of B. <i>Materials Transactions, JIM</i> , 1999 , 40, 634-642		8
189	High-Strain-Rate Superplasticity due to Newtonian Viscous Flow in La ₅₅ Al ₂₅ Ni ₂₀ Metallic Glass. <i>Materials Transactions, JIM</i> , 1999 , 40, 794-803		81
188	Formation of Icosahedral Quasicrystalline Phase in Zr–Al–Ni–Cu–M (M=Ag, Pd, Au or Pt) Systems. <i>Materials Transactions, JIM</i> , 1999 , 40, 1181-1184		171
187	Phase Transformation of Zr ₆₅ Cu _{27.5} Al _{7.5} Metallic Glass. <i>Materials Transactions, JIM</i> , 1999 , 40, 1117-1122		9
186	Shear Sliding-off Fracture of Bulk Amorphous Zr-Based Alloys Containing Nanoscale Compound Particles. <i>Materials Transactions, JIM</i> , 1999 , 40, 1376-1381		18
185	Bulk Amorphous Ni _{75-x} Nb _{5Mx} P _{20-y} By (M=Cr, Mo) Alloys with Large Supercooling and High Strength. <i>Materials Transactions, JIM</i> , 1999 , 40, 1130-1136		121
184	High Strength and Good Ductility of Bulk Quasicrystalline Base Alloys in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5-x} P _x System. <i>Materials Transactions, JIM</i> , 1999 , 40, 1137-1143		99

183	Structural Study of Pd-Based Amorphous Alloys with Wide Supercooled Liquid Region by Anomalous X-ray Scattering. <i>Materials Transactions, JIM, 1999, 40, 491-497</i>			65
182	Glass Transition Behavior and Viscous Flow Working of Pd40Cu30Ni10P20 Amorphous Alloy. <i>Materials Transactions, JIM, 1999, 40, 64-71</i>			94
181	Synthesis of Fe–Co–Nd–B Amorphous Alloys with Glass Transition and their Crystallization-Induced Hard Magnetic Properties. <i>Materials Transactions, JIM, 1999, 40, 1123-1129</i>			8
180	Mechanical Properties of Bulk Amorphous ZrAlCuNiAg Alloys Containing Nanoscale Quasicrystalline Particles. <i>Materials Transactions, JIM, 1999, 40, 1382-1389</i>			44
179	Preparation and Soft Magnetic Properties of Fe–P–B–Ge Amorphous Alloys. <i>Materials Transactions, JIM, 1999, 40, 1444-1449</i>			4
178	Preparation of Ti–Cu–Ni–Si–B Amorphous Alloys with a Large Supercooled Liquid Region. <i>Materials Transactions, JIM, 1999, 40, 301-306</i>			113
177	Rotating-Beam Fatigue Strength of Pd40Cu30Ni10P20 Bulk Amorphous Alloy. <i>Materials Transactions, JIM, 1999, 40, 696-699</i>			18
176	Superplasticity in Pd40Ni40P20 metallic glass. <i>Scripta Materialia, 1998, 39, 301-306</i>	5.6		113
175	Ferromagnetic bulk amorphous alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 1779-1793</i>	2.3		208
174	Amorphous, nanoquasicrystalline and nanocrystalline alloys in Al-based systems. <i>Progress in Materials Science, 1998, 43, 365-520</i>	42.2		738
173	Ferrous and Nonferrous Bulk Amorphous Alloys. <i>Materials Science Forum, 1998, 269-272, 855-864</i>	0.4		93
172	Ferromagnetic CoBeZrB amorphous alloys with glass transition and good high-frequency permeability. <i>Applied Physics Letters, 1998, 73, 744-746</i>	3.4		73
171	New bulk amorphous Fe(Co,Ni)MB (M=Zr,Hf,Nb,Ta,Mo,W) alloys with good soft magnetic properties. <i>Journal of Applied Physics, 1998, 83, 6326-6328</i>	2.5		126
170	Newtonian to non-Newtonian master flow curves of a bulk glass alloy Pd40Ni10Cu30P20. <i>Applied Physics Letters, 1998, 73, 3665-3667</i>	3.4		116
169	Structure and mechanical properties of Al-6.3mass%Fe-3.8mass%Cr-3.3mass%Ti P/M alloys containing quasicrystals.. <i>Keikin-zoku/Journal of Japan Institute of Light Metals, 1998, 48, 263-268</i>	0.3		13
168	Microstructure and elevated-temperature strength of P/M Al-(Cr or Mn)-Fe-(Ti or V) quaternary alloys containing quasicrystalline phase.. <i>Keikin-zoku/Journal of Japan Institute of Light Metals, 1998, 48, 494-500</i>	0.3		7
167	Soft Magnetic Properties of Co-Based Amorphous Alloys with Wide Supercooled Liquid Region. <i>Materials Transactions, JIM, 1998, 39, 762-768</i>			24
166	Density, Thermal Stability and Mechanical Properties of Zr–Ti–Al–Cu–Ni Bulk Amorphous Alloys with High Al Plus Ti Concentrations. <i>Materials Transactions, JIM, 1998, 39, 857-862</i>			47

165	Formation, Thermal Stability and Mechanical Properties of New Amorphous Al ₈₉ Fe ₁₀ Zr ₁ Alloy. <i>Materials Transactions, JIM</i> , 1998 , 39, 866-869		12
164	Thermal and Mechanical Properties of Ti–Ni–Cu–Sn Amorphous Alloys with a Wide Supercooled Liquid Region before Crystallization. <i>Materials Transactions, JIM</i> , 1998 , 39, 1001-1006		258
163	New Amorphous Alloys in Al–Ti Binary System. <i>Materials Transactions, JIM</i> , 1998 , 39, 773-777		7
162	Experimental Measurements of Nucleation Frequency and Crystal Growth Rate in Pd-Cu-Ni-P Metallic Glass. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 554, 125		6
161	High-Strength Bulk Nanostructure Alloys Consisting of Compound and Amorphous Phases. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 554, 143		1
160	High Dynamic Mechanical Strength of Zirconium-Based Bulk Amorphous Alloys. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 554, 361		2
159	Viscosity Measurements for La-Al-Ni liquid Alloys by an Oscillating Crucible Method. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 554, 63		13
158	Chapter 161 Amorphous, quasicrystalline and nanocrystalline alloys in Al- and Mg-based systems. <i>Fundamental Theories of Physics</i> , 1997 , 83-219	0.8	7
157	Structural Study of Amorphous Fe ₈₉ Nd ₇ B ₄ and Fe ₈₉ Zr ₇ B ₄ Alloys by X-ray Diffraction. <i>High Temperature Materials and Processes</i> , 1997 , 16, 57-64	0.9	3
156	Effect of B Addition on the Extension of Supercooled Liquid Region in Zr–Cu–Al Base Amorphous Alloys. <i>Materials Transactions, JIM</i> , 1997 , 38, 185-188		14
155	Improvement of Mechanical Properties by Precipitation of Nanoscale Compound Particles in Zr–Cu–Pd–Al Amorphous Alloys. <i>Materials Transactions, JIM</i> , 1997 , 38, 1040-1046		106
154	Flux Treated Pd–Cu–Ni–P Amorphous Alloy Having Low Critical Cooling Rate. <i>Materials Transactions, JIM</i> , 1997 , 38, 464-472		118
153	Thermal and Magnetic Properties of Fe ₅₆ Co ₇ Ni ₇ Zr ₁₀ –xNbxB ₂₀ Amorphous Alloys with Wide Supercooled Liquid Range. <i>Materials Transactions, JIM</i> , 1997 , 38, 577-582		55
152	New Fe–Co–Ni–Zr–B Amorphous Alloys with Wide Supercooled Liquid Regions and Good Soft Magnetic Properties. <i>Materials Transactions, JIM</i> , 1997 , 38, 359-362		176
151	Preparation and Thermal Stability of Bulk Amorphous Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ Alloy Cylinder of 72 mm in Diameter. <i>Materials Transactions, JIM</i> , 1997 , 38, 179-183		286
150	Thermal Stability and Magnetic Properties of Bulk Amorphous Fe–Al–Ga–P–C–B–Si Alloys. <i>Materials Transactions, JIM</i> , 1997 , 38, 189-196		63
149	Synthesis and Mechanical Properties of Bulk Amorphous Zr–Al–Ni–Cu Alloys Containing ZrC Particles. <i>Materials Transactions, JIM</i> , 1997 , 38, 793-800		130
148	Stress overshoot in stress-strain curves of Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅ metallic glass. <i>Applied Physics Letters</i> , 1997 , 71, 779-781	3.4	42

147	Improvement of soft magnetic properties of nanocrystalline Fe ₇₀ M ₂₀ B (M=Zr and Nb) alloys and their applications. <i>Scripta Materialia</i> , 1997 , 9, 403-412		20
146	High-strength Al-based nanostructure alloys. <i>Current Opinion in Solid State and Materials Science</i> , 1997 , 2, 305-310	12	21
145	Mechanical properties of rapidly solidified Al-Si-Ni-Ce P/M alloys. <i>Scripta Materialia</i> , 1997 , 36, 475-480	5.6	19
144	Superplastic deformation of Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅ metallic glass. <i>Scripta Materialia</i> , 1997 , 37, 431-436	5.6	163
143	Bulk amorphous alloys with high mechanical strength and good soft magnetic properties in Fe ₇₀ TM ₂₀ B (TM=IV-VIII group transition metal) system. <i>Applied Physics Letters</i> , 1997 , 71, 464-466	3.4	366
142	The relation between the bulk and ribbon Zr ₅₅ Ni ₂₅ Al ₂₀ metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 388-392	5.3	18
141	Bulk glassy Zr-based alloys prepared by consolidation of glassy alloy powders in supercooled liquid region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 458-462	5.3	14
140	Micro structure of nanocrystalline Fe-Nb-Pr-B alloys produced by crystallization of amorphous phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 520-525	5.3	12
139	Thermal stability and glass-forming ability of amorphous Nd-Al-TM (TM = Fe, Co, Ni or Cu) alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 393-396	5.3	41
138	Extremely low critical cooling rates of new Pd-Cu-P base amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 226-228, 401-405	5.3	70
137	Large-sized Amorphous Alloys. <i>Materia Japan</i> , 1997 , 36, 989-989	0.1	
136	Deformation behavior of Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅ glassy alloy with wide supercooled liquid region. <i>Applied Physics Letters</i> , 1996 , 69, 1208-1210	3.4	151
135	Effect of Additional Elements (M) on the Thermal Stability of Supercooled Liquid in Fe _{72-x} Al ₅ Ga ₂ P ₁₁ C ₆ B ₄ M _x Glassy Alloys. <i>Materials Transactions, JIM</i> , 1996 , 37, 32-38		80
134	Formation Range and Thermal Stability of Cu-rich Cu-Mg-Ln (Ln=La, Sm, Eu, Tb, Er or Lu) Amorphous Alloys Tinged with Gold Color. <i>Materials Transactions, JIM</i> , 1996 , 37, 1343-1349		4
133	Glass-Forming Ability of Bulk Pd ₄₀ Ni ₁₀ Cu ₃₀ P ₂₀ Alloy. <i>Materials Transactions, JIM</i> , 1996 , 37, 1531-1539		183
132	Impact Fracture Energy of Bulk Amorphous Zr ₅₅ Al ₁₀ Cu ₃₀ Ni ₅ Alloy. <i>Materials Transactions, JIM</i> , 1996 , 37, 1726-1729		45
131	High Tensile Strength Bulk Glassy Alloy Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅ Prepared by Extrusion of Atomized Glassy Powder. <i>Materials Transactions, JIM</i> , 1996 , 37, 70-77		46
130	Faceted Etch Pits Formed on Surfaces of an Icosahedral Al ₇₀ Pd ₂₀ Mn ₁₀ Quasicrystal. <i>Materials Transactions, JIM</i> , 1996 , 37, 115-120		2

129	High Mechanical Strength of Al‐(V, Cr, Mn)‐(Fe, Co, Ni) Quasicrystalline Alloys Prepared by Rapid Solidification. <i>Materials Transactions, JIM, 1996, 37, 1287-1292</i>		47
128	High Strength Al‐Ti‐Fe Alloys Consisting of Amorphous and fcc-Al Phases Prepared by Rapid Solidification. <i>Materials Transactions, JIM, 1996, 37, 1722-1725</i>		15
127	Preparation of Bulk Pr‐Fe‐Al Amorphous Alloys and Characterization of Their Hard Magnetic Properties. <i>Materials Transactions, JIM, 1996, 37, 1731-1740</i>		69
126	Fabrication of Bulk Glassy Zr55Al10Ni5Cu30 Alloy of 30 mm in Diameter by a Suction Casting Method. <i>Materials Transactions, JIM, 1996, 37, 185-187</i>		301
125	Hard Magnetic Bulk Amorphous Nd‐Fe‐Al Alloys of 12 mm in Diameter Made by Suction Casting. <i>Materials Transactions, JIM, 1996, 37, 636-640</i>		91
124	Bulk Nd‐Fe‐Al Amorphous Alloys with Hard Magnetic Properties. <i>Materials Transactions, JIM, 1996, 37, 99-108</i>		244
123	Preparation of Bulk Glassy Pd40Ni10Cu30P20 Alloy of 40 mm in Diameter by Water Quenching. <i>Materials Transactions, JIM, 1996, 37, 181-184</i>		359
122	Multicomponent Co-based Amorphous Alloys with Wide Supercooled Liquid Region. <i>Materials Transactions, JIM, 1996, 37, 1332-1336</i>		69
121	Soft Magnetic Properties and Wide Supercooled Liquid Region of Fe‐P‐B‐Si Base Amorphous Alloys. <i>Materials Transactions, JIM, 1996, 37, 1715-1721</i>		63
120	Soft magnetic properties of bulk nanocrystalline Fe?(Nb, Zr, Hf)?B alloys produced by extruding amorphous powders. <i>Journal of Magnetism and Magnetic Materials, 1996, 162, 95-102</i>	2.8	7
119	Effects of extrusion conditions on mechanical properties in ZrAlNiCu glassy powder compacts. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 219, 39-43</i>	5.3	21
118	High-Strength Al-Based Alloys Consisting Mainly of Nanoscale Quasicrystalline or Amorphous Particles. <i>Materials Science Forum, 1996, 235-238, 873-880</i>	0.4	19
117	High Strain Rate Superplasticity of Supercooled Liquid for Amorphous Alloys. <i>Materials Science Forum, 1996, 233-234, 147-154</i>	0.4	28
116	Full strength compacts by extrusion of glassy metal powder at the supercooled liquid state. <i>Applied Physics Letters, 1995, 67, 2008-2010</i>	3.4	156
115	Slowly-Cooled Bulk Amorphous Alloys. <i>Materials Science Forum, 1995, 179-181, 691-700</i>	0.4	131
114	Structural analysis of amorphous Zr?Y?Al?Ni alloy by anomalous X-ray scattering. <i>Journal of Non-Crystalline Solids, 1995, 192-193, 376-379</i>	3.9	6
113	Microstructure of Rapidly Solidified Al‐V‐Ce‐M (M=Fe, Co or Ni) High Strength Alloys Containing High Volume Fraction of Fine Icosahedral Precipitation. <i>Materials Transactions, JIM, 1995, 36, 1004-1011</i>		10
112	Consolidation and Their Mechanical Properties of Amorphous Mg87.5Cu5Y7.5 and Mg70Ca10Al20 Powders Produced by High Pressure Gas Atomization. <i>Materials Transactions, JIM, 1995, 36, 977-981</i>		9

111	Cu-Rich Colored Amorphous Alloys in Cu‐Mg‐Ce System. <i>Materials Transactions, JIM, 1995, 36, 1176-1179</i>	2
110	Fe-Based Ferromagnetic Glassy Alloys with Wide Supercooled Liquid Region. <i>Materials Transactions, JIM, 1995, 36, 1180-1183</i>	352
109	High Strength Al‐V‐M (M=Fe, Co or Ni) Alloys Containing High Volume Fraction of Nanoscale Amorphous Precipitates. <i>Materials Transactions, JIM, 1995, 36, 1219-1228</i>	23
108	Solidification Analyses of Bulky Zr60Al10Ni10Cu15Pd5 Glass Produced by Casting into Wedge-Shape Copper Mold. <i>Materials Transactions, JIM, 1995, 36, 1276-1281</i>	43
107	Multicomponent Fe-Based Glassy Alloys with Wide Supercooled Liquid Region before Crystallization. <i>Materials Transactions, JIM, 1995, 36, 1282-1285</i>	87
106	Thermal and Magnetic Properties of Bulk Fe-Based Glassy Alloys Prepared by Copper Mold Casting. <i>Materials Transactions, JIM, 1995, 36, 1427-1433</i>	398
105	Mechanisms of High Strain-Rate Superplasticity of Al-14 mass%Ni-14 mass%Mm (Misch Metal) Alloy Produced from Amorphous Powder. <i>Materials Transactions, JIM, 1995, 36, 1467-1475</i>	16
104	Hard Magnetic Properties of Nanocrystalline Fe‐Nd‐B Alloys Containing α -Fe and Intergranular Amorphous Phase. <i>Materials Transactions, JIM, 1995, 36, 676-685</i>	39
103	Continuous-Cooling-Transformation (CCT) Curves for Zr‐Al‐Ni‐Cu Supercooled Liquids to Amorphous or Crystalline Phase (Rapid Publication). <i>Materials Transactions, JIM, 1995, 36, 876-878</i>	22
102	Physical and Mechanical Properties of Zr-Based Metallic Glasses. <i>Materials Transactions, JIM, 1995, 36, 890-895</i>	34
101	Soft-Magnetic Properties of Nanocrystalline bcc Fe‐(Nb, Zr)‐B Bulk Alloys Consolidated by Warm Extrusion. <i>Materials Transactions, JIM, 1995, 36, 945-951</i>	9
100	Thermal Properties of Zr‐TM‐B and Zr‐TM‐Ga (TM=Co, Ni, Cu) Amorphous Alloys with Wide Range of Supercooling. <i>Materials Transactions, JIM, 1995, 36, 1411-1419</i>	12
99	Preparation of Bulky Amorphous Zr‐Al‐Co‐Ni‐Cu Alloys by Copper Mold Casting and Their Thermal and Mechanical Properties. <i>Materials Transactions, JIM, 1995, 36, 391-398</i>	176
98	High Strength Bulk Amorphous Alloys with Low Critical Cooling Rates (Overview). <i>Materials Transactions, JIM, 1995, 36, 866-875</i>	950
97	Solidification Condition of Bulk Glassy Zr60Al10Ni10Cu15Pd5 Alloy by Unidirectional Arc Melting. <i>Materials Transactions, JIM, 1995, 36, 1398-1402</i>	24
96	Effect of Additional Elements on Glass Transition Behavior and Glass Formation Tendency of Zr‐Al‐Cu‐Ni Alloys. <i>Materials Transactions, JIM, 1995, 36, 1420-1426</i>	179
95	Fabrication of Bulky Zr-Based Glassy Alloys by Suction Casting into Copper Mold. <i>Materials Transactions, JIM, 1995, 36, 1184-1187</i>	106
94	Mechanical Properties and Thermal Stability of Ti- and Al-Based Amorphous Wires Prepared by a Melt Extraction Method. <i>Materials Transactions, JIM, 1995, 36, 858-865</i>	29

93	Solidification Analyses for the Fabrication of Bulky Multicomponent Metallic Glasses and their Properties. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 400, 235		
92	Synthesis and Properties of Mg-based Amorphous Alloys 1994 , 87-92		
91	Magnetic properties and core losses of nanocrystalline Fe ₂ M ₂ B (M = Zr, Hf or Nb) alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 127-131	5.3	53
90	New Al-based amorphous alloys with high mechanical strength in the Al ₂ Ni ₂ M and Al ₂ Co ₂ M (M = Mn, Fe, Co, Ni) systems. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 596-599	5.3	22
89	The observation of mechanical relaxation in a quasicrystalline Al ₇₅ Cu ₁₅ V ₁₀ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 181-182, 781-784	5.3	6
88	Mechanical properties and deformation behaviour of large Al ₇₀ Pd ₂₀ Mn ₁₀ single quasi-crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 181-182, 850-855	5.3	31
87	Fabrication and novel properties of nanostructured Al base alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 57-61	5.3	89
86	Zr ₂ Y base amorphous alloys with two glass transitions and two supercooled liquid regions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 346-350	5.3	35
85	Microstructure of nanocrystalline b.c.c. Fe ₂ M ₂ B (M = Nb, Hf) soft magnetic alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 495-500	5.3	24
84	The role of boron in nanocrystalline Fe ₂ Zr ₂ B soft magnetic alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 179-180, 501-505	5.3	45
83	Consolidation mechanism of aluminum-based amorphous alloy powders during warm extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 181-182, 1174-1178	5.3	20
82	Amorphous and quasi-crystalline phases in rapidly solidified Mg ₂ Al ₂ Zn alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 181-182, 1387-1391	5.3	16
81	Amorphous (Ti, Zr, Hf) ₂ Ni ₂ Cu ternary alloys with a wide supercooled liquid region. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994 , 181-182, 1423-1426	5.3	135
80	Ti-based amorphous alloys with a wide supercooled liquid region. <i>Materials Letters</i> , 1994 , 19, 131-135	3.3	176
79	Light-metal base amorphous alloys containing lanthanide metal. <i>Journal of Alloys and Compounds</i> , 1994 , 207-208, 340-348	5.7	21
78	Preparation of Ultrafine Al-based Quasicrystalline Particles by Reaction between Nitrogen Plasma and Molten Alloys. <i>Materials Transactions, JIM</i> , 1994 , 35, 543-550		3
77	Microstructure and Properties of Bulky Al ₈₄ Ni ₁₀ Ce ₆ Alloys with Amorphous Surface Layer Prepared by High-Pressure Die Casting. <i>Materials Transactions, JIM</i> , 1994 , 35, 808-813		14
76	Preparation of Bulky Zr-Based Amorphous Alloys by a Zone Melting Method. <i>Materials Transactions, JIM</i> , 1994 , 35, 923-926		57

75	Interface stability, growth and morphology of quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 1993 , 153-154, 513-518	3.9	2
74	Crystallization mechanism and stabilization of supercooled liquid during heating in Zr ₇₀ Cu based metallic glasses. <i>Scripta Metallurgica Et Materialia</i> , 1993 , 29, 657-661		7
73	Low core losses of nanocrystalline Fe ₇₀ M ₃₀ (M=Zr, Hf, or Nb) alloys. <i>Journal of Applied Physics</i> , 1993 , 74, 3316-3322	2.5	173
72	Elastic and viscous behavior of an amorphous Zr ₃₃ Y ₂₇ Al ₁₅ Ni ₂₅ alloy with a two-stage glass transition. <i>Materials Letters</i> , 1993 , 16, 108-112	3.3	7
71	The effect of atomic size on the stability of supercooled liquid for amorphous (Ti, Zr, Hf) ₆₅ Ni ₂₅ Al ₁₀ and (Ti, Zr, Hf) ₆₅ Cu ₂₅ Al ₁₀ alloys. <i>Materials Letters</i> , 1993 , 15, 379-382	3.3	52
70	Crystallization on supercooled liquid in metallic Zr-Cu-Al glasses. <i>Applied Physics Letters</i> , 1993 , 62, 137-139	3.4	35
69	Mechanical Properties, Fracture Mode and Deformation Behavior of Al ₇₀ Pd ₂₀ Mn ₁₀ Single-Quasicrystal. <i>Materials Transactions, JIM</i> , 1993 , 34, 135-145		90
68	Production and Properties of Functionally Gradient Films Varying from Amorphous Al(Ti, N) to Hexagonal Al(Ti)N Phase. <i>Materials Transactions, JIM</i> , 1993 , 34, 548-555		3
67	Cu-Rich Cu–Al–Ln (Ln=Ce or Nd) Amorphous Alloys. <i>Materials Transactions, JIM</i> , 1993 , 34, 82-84		47
66	Quasicrystalline and Related Crystalline Phases in Al–Pd–Fe System. <i>Materials Transactions, JIM</i> , 1993 , 34, 155-161		13
65	Mg-based amorphous alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993 , 173, 1-8	5.3	150
64	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	4.3	15
63	The effect of transition metal (TM) on the supercooled liquid region for (Zr _{0.7} Cu _{0.3}) ₉₀ TM ₁₀ amorphous alloys. <i>Journal of Materials Science Letters</i> , 1993 , 12, 700-701		15
62	Glass-forming ability of alloys. <i>Journal of Non-Crystalline Solids</i> , 1993 , 156-158, 473-480	3.9	553
61	Synthesis of stable quasicrystalline particle-dispersed Al base composite alloys. <i>Journal of Materials Research</i> , 1993 , 8, 5-7	2.5	84
60	Nanocrystalline alloys produced by crystallization of amorphous alloys 1993 , 177-184		1
59	Light-metal based amorphous alloys 1993 , 159-166		2
58	Quasicrystalline Ga–Pd–M (M=Cr, Mn or Fe) Alloys Prepared by Rapid Solidification. <i>Materials Transactions, JIM</i> , 1992 , 33, 953-955		1

57	Amorphous (Zr‐Y)60Al15Ni25 Alloys with Two Supercooled Liquid Regions. <i>Materials Transactions, JIM, 1992, 33, 143-145</i>		18
56	A Large Tensile Elongation Induced by Crystallization in an Amorphous Al88Ni10Ce2 Alloy. <i>Materials Transactions, JIM, 1992, 33, 487-490</i>		49
55	Mechanical properties of Al88(Y1-xCex)2Ni9Fe1(x=0,0.5,1) amorphous alloys containing nanoscale fcc-Al particles.. <i>Keikinzo/Journal of Japan Institute of Light Metals, 1992, 42, 217-223</i>	0.3	25
54	Properties of Bulk Materials Produced by Extrusion of Amorphous Alloy Powders in Al-Ni-R(R=Y, Mn: misch metal) Systems.. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1991, 38, 953-956</i>	0.2	9
53	Low Core Loss of a bcc Fe86Zr7B6Cu1 Alloy with Nanoscale Grain Size. <i>Materials Transactions, JIM, 1991, 32, 551-556</i>		70
52	Formation Criteria and Growth Morphology of Quasicrystals in Al‐Pd‐TM (TM=Transition Metal) Alloys. <i>Materials Transactions, JIM, 1991, 32, 421-428</i>		30
51	Glass Transition and Viscoelastic Behaviors of La55Al25Ni20 and La55Al25Cu20 Amorphous Alloys. <i>Materials Transactions, JIM, 1991, 32, 593-598</i>		35
50	Increase in Mechanical Strength of Al‐Y‐Ni Amorphous Alloys by Dispersion of Nanoscale fcc-Al Particles. <i>Materials Transactions, JIM, 1991, 32, 331-338</i>		178
49	Amorphous Zr‐Al‐TM (TM=Co, Ni, Cu) Alloys with Significant Supercooled Liquid Region of Over 100 K. <i>Materials Transactions, JIM, 1991, 32, 1005-1010</i>		690
48	Production of Quasicrystalline Al‐Pd‐Mn Alloys with Large Single Domain Size. <i>Materials Transactions, JIM, 1991, 32, 1089-1097</i>		44
47	Ultrahigh Mechanical Strengths of Al88Y2Ni10−xMx (M=Mn, Fe or Co) Amorphous Alloys Containing Nanoscale fcc-Al Particles. <i>Materials Transactions, JIM, 1991, 32, 599-608</i>		134
46	Increase of Mechanical Strength of a Mg85Zn12Ce3 Amorphous Alloy by Dispersion of Ultrafine hcp-Mg Particles. <i>Materials Transactions, JIM, 1991, 32, 875-878</i>		43
45	Changes in Microstructure and Soft Magnetic Properties of an Fe86Zr7B6Cu1 Amorphous Alloy upon Crystallization. <i>Materials Transactions, JIM, 1991, 32, 961-968</i>		59
44	High mechanical strength of aluminum-based crystalline alloys produced by warm consolidation of amorphous powder. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1991, 134, 1212-1214</i>	5.3	29
43	Microstructure of a rapidly solidified 65Al-20Cu-15Fe (at. %) alloy. <i>Journal of Materials Science, 1991, 26, 963-969</i>	4.3	2
42	Soft Magnetic Properties of bcc Fe-M-B-Cu (M=Ti, Nb or Ta) Alloys with Nanoscale Grain Size. <i>Japanese Journal of Applied Physics, 1991, 30, L1729-L1732</i>	1.4	33
41	The formation of decagonal and icosahedral phases in Al75‐Pd25Cr _x (x . <i>Journal of Applied Physics, 1991, 69, 2728-2730</i>	2.5	8
40	Formation, microstructure, chemical long-range order, and stability of quasicrystals in Al‐Mn alloys. <i>Journal of Materials Research, 1991, 6, 2646-2652</i>	2.5	28

39	Structural relaxation of aluminum-lanthanide metal-transition metal amorphous alloys upon low temperature annealing. <i>Journal of Non-Crystalline Solids</i> , 1991 , 127, 233-241	3.9	10
38	Soft magnetic properties of nanocrystalline bcc Fe-Zr-B and Fe-M-B-Cu (M=transition metal) alloys with high saturation magnetization (invited). <i>Journal of Applied Physics</i> , 1991 , 70, 6232-6237	2.5	364
37	Production of Amorphous Cylinder and Sheet of La55Al25Ni20 Alloy by a Metallic Mold Casting Method. <i>Materials Transactions, JIM</i> , 1990 , 31, 425-428		309
36	Formation and stability of quasicrystals.. <i>Bulletin of the Japan Institute of Metals</i> , 1990 , 29, 782-788		11
35	High Mechanical Strengths of Mg–Ni–Y and Mg–Cu–Y Amorphous Alloys with Significant Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 1990 , 31, 929-934		212
34	Glass Transition Behavior of Fe–Al–B–Si Amorphous Alloys. <i>Materials Transactions, JIM</i> , 1990 , 31, 1021-1027		9
33	Ultrahigh Tensile Strengths of Al88Y2Ni9M1 (M=Mn or Fe) Amorphous Alloys Containing Finely Dispersed fcc-Al Particles. <i>Materials Transactions, JIM</i> , 1990 , 31, 747-749		287
32	Zr–Al–Ni Amorphous Alloys with High Glass Transition Temperature and Significant Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 1990 , 31, 177-183		818
31	Chemical order in an Al-Pd-Mn icosahedral quasicrystal. <i>Philosophical Magazine Letters</i> , 1990 , 62, 95-100	1	70
30	Glass transition behavior of Al- and Mg-based amorphous alloys. <i>Journal of Non-Crystalline Solids</i> , 1990 , 117-118, 712-715	3.9	32
29	Stable decagonal and icosahedral quasicrystals. <i>Journal of Non-Crystalline Solids</i> , 1990 , 117-118, 824-827	3.9	7
28	Icosahedral, Decagonal and Amorphous Phases in Al–Cu–M (M=Transition Metal) Systems. <i>Materials Transactions, JIM</i> , 1989 , 30, 666-676		52
27	Preparation of a new Al-Cu-Ru quasicrystal with large grain sizes by rapid solidification. <i>Journal of Materials Science Letters</i> , 1989 , 8, 253-256		8
26	A Stable Decagonal Quasicrystal in the Al–Cu–Co System. <i>Materials Transactions, JIM</i> , 1989 , 30, 300-304		80
25	Al–La–Ni Amorphous Alloys with a Wide Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 1989 , 30, 965-972		655
24	Aluminum-base Amorphous Powders with Flaky Morphology Prepared by a Two-Stage Quenching Technique. <i>Materials Transactions, JIM</i> , 1989 , 30, 1033-1043		5
23	Stable Decagonal Al–Co–Ni and Al–Co–Cu Quasicrystals. <i>Materials Transactions, JIM</i> , 1989 , 30, 463-473		177
22	Mg–Ni–La Amorphous Alloys with a Wide Supercooled Liquid Region. <i>Materials Transactions, JIM</i> , 1989 , 30, 378-381		169

21	Ductile Al-Ni-Zr amorphous alloys with high mechanical strength. <i>Journal of Materials Science Letters</i> , 1988 , 7, 805-807		70
20	Al-Y-Ni amorphous powders prepared by high-pressure gas atomization. <i>Journal of Materials Science Letters</i> , 1988 , 7, 1287-1290		40
19	Ductile Al-Cu-V amorphous alloys without metalloid. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1988 , 19, 391-393		31
18	Formation of metal-metal type aluminum-based amorphous alloys. <i>Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science</i> , 1988 , 19, 1369-1371		78
17	New Amorphous Alloys with Good Ductility in Al-Y-M and Al-La-M (M=Fe, Co, Ni or Cu) Systems. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L280-L282	1.4	247
16	Aluminum-Based Amorphous Alloys with Tensile Strength above 980 MPa (100 kg/mm ²). <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L479-L482	1.4	334
15	New Amorphous Mg-Ce-Ni Alloys with High Strength and Good Ductility. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L2248-L2251	1.4	459
14	New Amorphous Al-Y, Al-La and Al-Ce Alloys Prepared by Melt Spinning. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L736-L739	1.4	154
13	New Amorphous Alloys with Good Ductility in Al-Ce-M (M=Nb, Fe, Co, Ni or Cu) Systems. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L1796-L1799	1.4	100
12	New Amorphous Al-Ln (Ln=Pr, Nd, Sm or Gd) Alloys Prepared by Melt Spinning. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L1583-L1586	1.4	52
11	Glass Transition Behavior of Al-Y-Ni and Al-Ce-Ni Amorphous Alloys. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L1579-L1582	1.4	75
10	New Stable Icosahedral Al-Cu-Ru and Al-Cu-Os Alloys. <i>Japanese Journal of Applied Physics</i> , 1988 , 27, L1587-L1590	1.4	102
9	A Stable Quasicrystal in Al-Cu-Fe System. <i>Japanese Journal of Applied Physics</i> , 1987 , 26, L1505-L1507	1.4	707
8	Formation, thermal stability and electrical resistivity of quasicrystalline phase in rapidly quenched Al-Cr alloys. <i>Journal of Materials Science</i> , 1987 , 22, 1758-1768	4.3	83
7	High-Strength Alloys: Nanogranular Phases		1816-1825
6	Laser Butt Welding of Mg-Based Metallic Glass. <i>Ceramic Transactions</i> , 55-60		0.1
5	Low Temperature Bonding of Bulk Metallic Glass Using an Ultrasonic Process. <i>Ceramic Transactions</i> , 29-35		0.1
4	Formation of Bone-Like Hydroxyapatite on Surface-Modified Bulk Metallic Glass Using a Hydrothermal-Electrochemical Method. <i>Ceramic Transactions</i> , 23-28		0.1

- | | | |
|---|--|-----|
| 3 | Weldability and Mechanical Property of Ni ₅₃ Nb ₂₀ Ti ₁₀ Zr ₈ Co ₆ Cu ₃ Metallic Glass Foil by Laser Welding. <i>Ceramic Transactions</i> ,109-115 | 0.1 |
| 2 | Spark Plasma Sintering of Al ₂ O ₃ Particulate Dispersed Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ Metallic Glassy Matrix Composite. <i>Ceramic Transactions</i> ,39-44 | 0.1 |
| 1 | Properties of Metallic Glass Coatings on An Aluminum Alloy Substrate Produced Using A HVOF Spraying Process. <i>Ceramic Transactions</i> ,69-77 | 0.1 |