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2111	Through a glass, lightly. 1999 , 402, 132-133		22
2110	Glass Transition, Viscosity of the Supercooled Liquid and Crystallization Behaviour of Zr–Al–Cu–Ni–Fe Metallic Glasses. 2000 , 41, 1415-1422		10
2109	Preparation and Properties of Mg–Cu–Y–Al Bulk Amorphous Alloys. 2000 , 41, 1435-1442		30
2108	Enhancement of Strength and Ductility in Zr-Based Bulk Amorphous Alloys by Precipitation of Quasicrystalline Phase. 2000 , 41, 1511-1520		31
2107	Experimental Studies and Molecular Dynamics Simulations of the Sliding Contact of Metallic Glass. 2000 , 644, 181		1
2106	Glass Formation and Glass Forming Ability of Alloys Near Eutectic Composition. 2000 , 644, 341		1
2105	Critical Behaviour of the Fe ₃ Nd Cluster Glass Phase in Bulk Glassy Nd ₆₀ Fe ₃₀ Al ₁₀ Hard Magnets. 2000 , 644, 811		
2104	Influence of oxygen on the crystallization behavior of Zr ₆₅ Cu _{27.5} Al _{7.5} and Zr _{66.7} Cu _{33.3} metallic glasses. 2000 , 48, 3985-3996		151
2103	Icosahedral phase formation by the primary crystallization of a Zr–Cu–Pd metallic glass. 2000 , 43, 103-107		53
2102	Development of shear band structure during deformation of a Zr ₅₇ Ti ₅ Cu ₂₀ Ni ₈ Al ₁₀ bulk metallic glass. 2000 , 43, 1071-1075		110
2101	The thermophysical properties of bulk metallic glass-forming liquids. 2000 , 52, 39-42		131
2100	Microstructural transformation in a Zr ₄₁ Ti ₁₄ Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass under high pressure. 2000 , 62, 11292-11295		25
2099	Ductile quasicrystalline alloys. 2000 , 76, 967-969		72
2098	RETRACTED [Formation and properties of Zr-based bulk quasicrystalline alloys with high strength and good ductility. 2000 , 15, 2195-2208		95
2097	Crystallization of Bulk Zr ₄₈ Nb ₈ Cu ₁₄ Ni ₁₂ Be ₁₈ Metallic Glass. 2000 , 644, 521		
2096	Relaxation in glassforming liquids and amorphous solids. 2000 , 88, 3113-3157		1787
2095	Crystallization in Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass under pressure. 2000 , 77, 3553-3555		66

2094	Nanocrystallization in a Zr 57 Ti 5 Cu 20 Al 10 Ni 8 bulk metallic glass. 2001 , 81, 767-775	14
2093	Bulk metallic glasses. 2001 , 13, 7723-7736	27
2092	Metallic Glasses. 2001 , 5529-5537	1
2091	A thermodynamic approach for predicting the tendency of multicomponent metallic alloys for glass formation. 2001 , 9, 535-538	43
2090	In situ transmission electron microscopy studies of shear bands in a bulk metallic glass based composite. 2001 , 16, 2513-2518	173
2089	TEM Studies of Shear Bands in a Bulk Metallic Glass Based Composite. 2001 , 7, 1120-1121	
2088	Coexistence of Various Nd-Rich and Fe-Rich Fe-Nd Short Range Orderings In Bulk Glassy Nd60Fe30Al10 Hard Magnets. 2001 , 42, 1547-1551	3
2087	A Relationship between Glass-Forming Ability and Reduced Glass Transition Temperature near Eutectic Composition. 2001 , 42, 556-561	16
2086	Extended Plasticity in the Supercooled Liquid Region of Bulk Metallic Glasses. 2001 , 42, 613-618	19
2085	Bulk Metallic Glasses and Composites in Multicomponent Systems. 2001 , 42, 650-655	7
2084	Wear-resistant amorphous and nanocomposite steel coatings. 2001 , 32, 2615-2621	84
2083	Deformation behavior of Zr-based metallic glasses. 2001 , 117, 374-380	67
2082	On extending dislocation notions to the amorphous state of solids. 2001 , 309-310, 544-547	2
2081	Nanoquasicrystallization of Zr-based metallic glasses. 2001 , 312, 253-261	47
2080	Study of mechanical deformation in bulk metallic glass through instrumented indentation. 2001 , 49, 3781-3789	286
2079	Sliding behavior of metallic glass: Part I. Experimental investigations. 2001 , 250, 409-419	83
2078	Evolution from random-axis ising to Stoner-Wohlfarth type of hysteresis loops of the cluster glass Fe 3 Nd phase in bulk glassy Nd 60 Fe 30 Al 10 hard magnets. 2001 , 44, 1333-1336	18
2077	Preparation and mechanical properties of nanoquasicrystalline base bulk alloys. 2001 , 44, 1615-1619	34

2076	Redistribution behavior of constitutional elements at an initial crystallization stage in the Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5} glassy alloy. 2001 , 16, 28-31	14
2075	Investigation of the stability of glassy state in the Zr- and Hf-based glassy alloys correlated with their transformation behavior. 2001 , 16, 3389-3401	49
2074	Elastic properties of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ bulk glass in supercooled liquid region. 2001 , 78, 1985-1987	47
2073	Nanoscale phase separation and local icosahedral order in amorphous alloys of immiscible elements. 2001 , 64,	40
2072	Amorphous structures in the immiscible Ag-Ni system. 2001 , 86, 2826-9	92
2071	Crystallization in Pd ₄₀ Ni ₄₀ P ₂₀ glass. 2002 , 92, 3651-3656	32
2070	Glass-forming ability and soft magnetic properties of FeCoSiAlGaPCB amorphous alloys. 2002 , 92, 2073-2078	54
2069	Nanometre-scale defects in shear bands in a metallic glass. 2002 , 82, 2623-2630	159
2068	Pressure effect on crystallization kinetics in Zr _{46.8} Ti _{8.2} Cu _{7.5} Ni ₁₀ Be _{27.5} bulk glass. 2002 , 81, 4347-4349	17
2067	Shock wave response of a zirconium-based bulk metallic glass and its composite. 2002 , 80, 4522-4524	64
2066	Nonisothermal creep of bulk Zr _{52.5} Ti ₅ Cu _{17.9} Ni _{14.6} Al ₁₀ metallic glass. 2002 , 92, 5898-5903	19
2065	Enhanced plasticity in a Ti-based bulk metallic glass-forming alloy by in situ formation of a composite microstructure. 2002 , 17, 3015-3018	64
2064	Deformation and failure of Zr ₅₇ Ti ₅ Cu ₂₀ Ni ₈ Al ₁₀ bulk metallic glass under quasi-static and dynamic compression. 2002 , 17, 1441-1445	159
2063	Influence of chromium additions on corrosion resistance of Co ₇₅ Si ₁₃ B ₉ Nb ₃ Cu ₁ metallic glass in marine environment. 2002 , 37, 69-75	1
2062	Mechanically Alloyed Amorphous Ti ₅₀ (Cu _{0.45} Ni _{0.55}) ₄₄ Al _x Si ₄ B ₂ Alloys with Supercooled Liquid Region. 2002 , 17, 1743-1749	61
2061	Strain Localization in a Molecular-Dynamics Model of a Metallic Glass. 2002 , 754, 1	2
2060	Synthesis of Cu ₄₇ Ti ₃₄ Zr ₁₁ Ni ₈ Bulk Metallic Glass by Warm Extrusion of Gas Atomized Powders. 2002 , 17, 186-198	74
2059	Structure of Zr ₅₂ Ti ₅ Cu ₁₈ Ni ₁₅ Al ₁₀ Bulk Metallic Glass at Elevated Temperatures. 2002 , 43, 1947-1951	4

2058	Formation, Thermal Stability and Mechanical Properties of Cu-Zr-Al Bulk Glassy Alloys. 2002 , 43, 2921-2925	217
2057	Influence of Low Oxygen Contents and Alloy Refinement on the Glass Forming Ability of Zr _{52.5} Cu _{17.9} Ni _{14.6} Al ₁₀ Ti ₅ . 2002 , 43, 3206-3210	47
2056	Ductile Dendritic Phase Reinforced Ti-Base Bulk Metallic Glass-Forming Alloys. 2002 , 754, 1	
2055	Nanocrystallisation and Nanoquasicrystallisation in (Ti/Hf)-Zr-(Ni/Cu) Ternary Alloys. 2002 , 754, 1	
2054	Fragility of Metallic Glass Forming Liquids. 2002 , 754, 1	1
2053	Glass transition, crystallization kinetics and pressure effect on crystallization of ZrNbCuNiBe bulk metallic glass. 2002 , 91, 4956-4960	24
2052	Molecular dynamics simulation studies of atomic-level structures in rapidly quenched Ag-Cu nonequilibrium alloys. 2002 , 65,	41
2051	Structural evolution and property changes in Nd ₆₀ Al ₁₀ Fe ₂₀ Co ₁₀ bulk metallic glass during crystallization. 2002 , 81, 4371-4373	39
2050	High-temperature centrifugation: a tool for finding eutectic compositions in multicomponent alloys. 2002 , 81, 4159-4161	11
2049	Thermal stability of mechanically alloyed nitride/amorphous Zr ₆₅ Al _{7.5} Cu _{17.5} Ni ₁₀ alloy composites. 2002 , 297, 131-142	12
2048	Transformation in the initial crystallization stage of Zr ₄₀ Al ₁₀ Ni ₁₀ Cu glassy alloys made with low oxygen concentrations. 2002 , 312-314, 617-621	25
2047	Structural bulk metallic glasses with different length-scale of constituent phases. 2002 , 10, 1183-1190	84
2046	Mechanical properties of tungsten fiber reinforced ZrAlNiCuSi metallic glass matrix composite. 2002 , 10, 1283-1288	86
2045	Effect of strain rate on compressive behavior of a Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glass. 2002 , 10, 1071-1077	260
2044	Role of addition in formation and properties of Zr-based bulk metallic glasses. 2002 , 10, 1249-1257	77
2043	Nano icosahedral quasicrystals in Zr-based glassy alloys. 2002 , 10, 1089-1098	59
2042	Synthesis of La-based in-situ bulk metallic glass matrix composite. 2002 , 10, 1203-1205	50
2041	Thermodynamic lattice instability driving bulk amorphization in Eu ³⁺ -doped Al ₂ O ₃ mesoporous composites. 2002 , 53, 287-295	9

2040	Formation and thermal stability of cluster structure in Nd ₅₅ Cu ₁₅ Ni ₁₀ Co ₅ Al ₁₅ bulk amorphous alloy. 2002 , 53, 305-315	4
2039	Rapid Solidification Processing. 2002 , 1-10	0
2038	Thermal stability of mechanically alloyed Zr ₄₀ Ti ₄₀ Ni ₂₀ glass composites containing ZrC particles as a second phase. 2002 , 46, 31-35	24
2037	Dynamic response of a Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glass in tension. 2002 , 46, 43-47	173
2036	Bulk metallic glass formation in the Mg ₇₀ Cu ₂₀ Ni ₁₀ system. 2002 , 46, 699-703	103
2035	Mixing of partially fluorinated carboxylic acids with their hydrocarbon analogs at the air-water interface. 2002 , 249, 381-7	30
2034	Bulk amorphous metal: An emerging engineering material. 2002 , 54, 40-43	292
2033	Crystal nucleation in deeply undercooled melts of bulk metallic glass forming systems. 2002 , 50, 89-100	48
2032	Glass-forming ability and thermal stability of Nd ₇₀ Fe ₂₀ Al ₁₀ Y alloys. 2002 , 50, 3567-3578	17
2031	Behavior of 10-(perfluorohexyl)-decanol, a partially fluorinated analog of hexadecanol, at the air-water interface. 2002 , 117, 17-22	24
2030	Nanoscale microstructural analysis of metallic materials by atom probe field ion microscopy. 2002 , 47, 621-729	146
2029	Inhomogeneous deformation in metallic glasses. 2002 , 50, 1011-1027	187
2028	A new glass-forming ability criterion for bulk metallic glasses. 2002 , 50, 3501-3512	1018
2027	Bulk metallic glasses: A new class of engineering materials. 2003 , 28, 783-798	41
2026	Elasto-plastic load transfer in bulk metallic glass composites containing ductile particles. 2003 , 34, 1787-1797	26
2025	In-the-beam metallic glass formation monitored by high-energy synchrotron radiation. 2003 , 48, 809-812	5
2024	Improved mechanical behavior of Cu ₄₀ Ti ₄₀ -based bulk metallic glass by in situ formation of nanoscale precipitates. 2003 , 48, 653-658	151
2023	Comparative internal friction study of bulk and ribbon glassy Zr _{52.5} Ti ₅ Cu _{17.9} Ni _{14.6} Al ₁₀ . 2003 , 49, 255-260	25

2022	Mechanical behavior of bulk (ZrHf)TiCuNiAl amorphous alloys. 2003 , 49, 447-452	13
2021	Preparation of high aspect ratio surface microstructures out of a Zr-based bulk metallic glass. 2003 , 67-68, 405-409	24
2020	A theory of amorphous solids undergoing large deformations, with application to polymeric glasses. 2003 , 40, 1465-1487	184
2019	Glass forming ability and in-situ composite formation in Pd-based bulk metallic glasses. 2003 , 51, 561-572	69
2018	Difference in compressive and tensile fracture mechanisms of Zr ₅₉ Cu ₂₀ Al ₁₀ Ni ₈ Ti ₃ bulk metallic glass. 2003 , 51, 1167-1179	723
2017	Effect of Ta on glass formation, thermal stability and mechanical properties of a Zr _{52.25} Cu _{28.5} Ni _{4.75} Al _{9.5} Ta ₅ bulk metallic glass. 2003 , 51, 2383-2395	89
2016	Optimum glass formation at off-eutectic composition and its relation to skewed eutectic coupled zone in the La based LaAl(Cu,Ni) pseudo ternary system. 2003 , 51, 4551-4561	150
2015	Temperature dependences of the low-frequency internal friction and shear modulus in a bulk amorphous alloy. 2003 , 45, 2225	5
2014	Novel Ti-base nanostructure-dendrite composite with enhanced plasticity. 2003 , 2, 33-7	637
2013	Calorimetric glass transition in bulk metallic glass forming Zr-Ti-Cu-Ni-Be alloys as a free-volume-related kinetic phenomenon. 2003 , 67,	24
2012	A highly glass-forming alloy with low glass transition temperature. 2003 , 82, 4699-4701	113
2011	Effect of pressure on nucleation and growth in the Zr _{46.75} Ti _{8.25} Cu _{7.5} Ni ₁₀ Be _{27.5} bulk glass-forming alloy investigated using in situ x-ray diffraction. 2003 , 68,	28
2010	Crystallization behaviour in a new multicomponent Ti _{16.6} Zr _{16.6} Hf _{16.6} Ni ₂₀ Cu ₂₀ Al ₁₀ metallic glass developed by the equiatomic substitution technique. 2003 , 83, 2371-2381	30
2009	Metallic Glasses, Bulk. 2003 , 1-12	
2008	In situ formed TiCuNiSnTa nanostructure-dendrite composite with large plasticity. 2003 , 51, 5223-5234	114
2007	Microhardness and abrasive wear resistance of metallic glasses and nanostructured composite materials. 2003 , 316, 96-103	108
2006	Consolidation of gas atomized Cu ₄₇ Ti ₃₄ Zr ₁₁ Ni ₈ amorphous powders. 2003 , 317, 137-143	24
2005	Sliding and deformation of metallic glass: experiments and MD simulations. 2003 , 317, 206-214	41

2004	Relationship between the widths of supercooled liquid regions and bond parameters of Mg-based bulk metallic glasses. 2003 , 321, 120-125	222
2003	Salient shear bands and second-phase addition interactions of bulk metallic glass matrix composite. 2003 , 34, 1147-1152	6
2002	Connection of bulk amorphous alloy Zr55Al10Ni5Cu30 by high current density electropulsing. 2003 , 57, 2208-2211	7
2001	Low-frequency high-temperature internal friction of bulk metallic glasses. 2003 , 355, 42-46	21
2000	Bulk metallic glasses. 2003 , 11, 529-540	435
1999	Fracture mechanisms in bulk metallic glassy materials. 2003 , 91, 045505	293
1998	MICROSTRUCTURAL DEPENDENCE OF MECHANICAL PROPERTIES IN BULK METALLIC GLASSES AND THEIR COMPOSITES. 2003 , 199-210	1
1997	Isothermal creep of bulk glassy Zr52.5Ti5Cu17.9Ni14.6Al10 below T _g . 2003 , 83, 3463-3471	6
1996	Mechanical Relaxations in Metallic Glasses. 2003 , 89, 67-92	3
1995	Infiltration Processing of Tungsten-Reinforced Bulk-Amorphous Metal Matrix Composites. 2003 , 806, 350	
1994	Crystallization of Cu60Ti20Zr20 metallic glass with and without pressure. 2003 , 18, 895-898	31
1993	Pressure-dependent flow behavior of Zr41.2Ti13.8Cu12.5Ni10Be22.5 bulk metallic glass. 2003 , 18, 2039-2049	104
1992	A new Mg65Cu7.5Ni7.5Zn5Ag5Y10 bulk metallic glass with strong glass-forming ability. 2003 , 18, 2288-2291	67
1991	Viscous Flow of Glass-forming Liquids: A Cluster Approach. 2003 , 806, 250	
1990	Quenched-in Free Volume V _f , Deformation-induced Free Volume, the Glass Transition T _g and Thermal Expansion in glassy ZrNbCuNiAl measured by Time-resolved Diffraction in Transmission. 2003 , 806, 149	3
1989	Microstructure of Ti-Based, Dendrite/Nanostructured-Matrix Composites. 2003 , 806, 321	
1988	Characteristics of microstructure and glass transition of (Zr _{0.59} Ti _{0.06} Cu _{0.22} Ni _{0.13}) _{100-x} Al _x bulk metallic glasses. 2003 , 93, 759-761	5
1987	Bulk glassy Cu-based alloys with a large supercooled liquid region of 110 K. 2003 , 83, 2351-2353	21

1986	Responses of glassy structure and properties to pressure and devitrification. 2003 , 83, 2814-2816	17
1985	Magnetic properties and glass formability of Fe ₆₁ Co ₁₀ Zr ₅ W ₄ B ₂₀ bulk metallic glassy alloy. 2003 , 83, 2775-2777	72
1984	Nucleation and growth in bulk metallic glass under high pressure investigated using in situ x-ray diffraction. 2003 , 83, 5202-5204	17
1983	Tensile and fatigue fracture mechanisms of a Zr-based bulk metallic glass. 2003 , 18, 456-465	28
1982	In situ synchrotron study of phase transformation behaviors in bulk metallic glass by simultaneous diffraction and small angle scattering. 2003 , 91, 265501	80
1981	Viscosity of bulk and ribbon Zr-based glasses well below and in the vicinity of T _g : A comparative study. 2003 , 68,	37
1980	Glass-forming ability of Pr(Cu,Ni)Al alloys in eutectic system. 2003 , 18, 664-671	20
1979	Formation and mechanical properties of Cu ₄₁ Fe ₁₄ Al bulk glassy alloys with a large supercooled liquid region of over 90 K. 2003 , 18, 1435-1440	38
1978	Phase evolution and its effect on magnetic properties of Nd ₆₀ Al ₁₀ Fe ₂₀ Co ₁₀ bulk metallic glass. 2003 , 15, 3531-3537	13
1977	Deformation and Fracture Behavior of Zr-Based Bulk Amorphous Metal Under Quasi-Static Compression. 2003 , 17, 1311-1317	1
1976	Formation, properties, thermal characteristics, and crystallization of hard magnetic PrAlBeCu bulk metallic glasses. 2003 , 18, 2208-2213	9
1975	Microstructure and magnetic properties of Nd ₆₀ Al ₁₀ Fe ₂₀ Co ₁₀ glass-forming alloy. 2003 , 36, 775-778	20
1974	Low-temperature electrical resistivity of as-cast glassy, relaxed, and crystallized Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ alloys. 2003 , 15, 8713-8718	2
1973	Melting and crystallization of Nd ₆₀ Al ₁₀ Fe ₂₀ Co ₁₀ bulk metallic glass under high pressure. 2003 , 15, L749-L753 6	
1972	Formation and crystallization of CuZrHfTi bulk metallic glass under ambient and high pressures. 2003 , 15, 5923-5932	21
1971	Nanostructured Composites in Multicomponent Alloy Systems. 2003 , 44, 1999-2006	34
1970	Correlation between Glass Formation and Type of Eutectic Coupled Zone in Eutectic Alloys. 2003 , 44, 2007-2010	16
1969	Thermal Stability and Mechanical Properties of Cu-Hf-Al Base Bulk Glassy Alloys with a Large Supercooled Liquid Region of Over 100 K. 2003 , 44, 2346-2349	14

1968	Investigations on Glass Forming Ability of Hf-alloys by Mathematical Modeling and Optimizations. 2003 , 44, 1752-1759	1
1967	Formation, Nanostructure and Mechanical Properties of Cu-Based Nanocrystal-Dispersed Glassy Matrix Alloys. 2004 , 22, 11-20	1
1966	Serrated Plastic Flow in a Zr-based Bulk Metallic Glass During Nanoindentation. 2004 , 21, 1593-1595	19
1965	A paramagnetic Nd ₆₀ Cu ₂₀ Ni ₁₀ Al ₁₀ alloy with high glass-forming ability. 2004 , 37, 973-975	12
1964	High-pressure suppression of crystallization in the metallic supercooled liquid Zr ₄₁ Ti ₁₄ Cu _{12.5} Ni ₁₀ Be _{22.5} : Influence of viscosity. 2004 , 70,	11
1963	Simulation of Cu-Mg metallic glass: Thermodynamics and structure. 2004 , 69,	53
1962	Properties of Ce-based bulk metallic glass-forming alloys. 2004 , 70,	111
1961	Crystallization mechanism of Cu-based supercooled liquid under ambient and high pressure. 2004 , 69,	10
1960	Short-range structure of Zr ₄₁ Ti ₁₄ Cu _{12.5} Ni ₁₀ Be _{22.5} glass prepared by shock wave. 2004 , 84, 4998-5000	19
1959	Microstructural evolution during decomposition and crystallization of the Cu ₆₀ Zr ₂₀ Ti ₂₀ amorphous alloy. 2004 , 19, 505-512	33
1958	Local Order Changes in Amorphous Zr _{52.5} Hf ₂ Ti _{7.5} Cu ₂₀ Al ₁₀ Ni ₈ Alloy upon Crystallization. 2004 , 20-21, 499-504	1
1957	Glass Transition T _g and Quenched-In Free Volume in Bulk Metallic Glasses Measured by X-Ray Diffraction. 2004 , 20-21, 23-28	2
1956	Investigation of the structure and properties of hypereutectic Ti-based bulk alloys. 2004 , 842, 197	
1955	Non-equilibrium Ti-Fe bulk alloys with ultra-high strength and enhanced ductility. 2004 , 851, 304	1
1954	Highly Glass-Forming Alloys with Very Low Glass Transition Temperature and Controllable Microstructure. 2004 , 20-21, 13-22	
1953	Impact Fracture Behavior of Zr-Based Bulk Amorphous Metal. 2004 , 20-21, 95-102	
1952	High-performance bulk Ti-Cu-Ni-Sn-Ta nanocomposites based on a dendrite-eutectic microstructure. 2004 , 19, 2557-2566	34
1951	Mechanical Properties and Fracture Characteristics of Zr-Based Bulk Metallic Glass Composites Containing Carbon Nanotube Addition. 2004 , 19, 1068-1076	4

1950	Mechanically Alloyed Tungsten Particles/La55Al25Cu10 Ni5 Co5 Glassy Alloy Matrix Composites. 2004 , 20-21, 83-88	
1949	Mutual Influences of Oxidation and Crystallization in Zr-Based Metallic Glasses. 2004 , 20-21, 407-414	2
1948	Synchrotron Radiation and Instrumented Indentation Studies of Compressive Plastic Deformation in Zr-Based Bulk Metallic Glasses. 2004 , 20-21, 425-434	
1947	Short-Range Order in Pd42.5Cu30Ni7.5P20 Bulk and Ribbon Metallic Glasses. 2004 , 22, 65-70	
1946	Measuring strain distributions in amorphous materials. 2004 , 4, 33-36	181
1945	Formation of zirconium metallic glass. 2004 , 430, 332-5	41
1944	Stress relaxation in an Zr52.5Ti5Cu17.9Ni14.6Al10 bulk metallic glass. 2004 , 46, 470-473	7
1943	The influence of heat treatment on the ultrasonic velocity and elastic moduli of a Zr-Cu-Ni-Al-Ti bulk metallic glass. 2004 , 46, 1859-1862	7
1942	Stress relaxation and viscosity of a bulk Pd40Cu30Ni10P20 metallic glass under isochronous heating conditions. 2004 , 46, 1863-1867	4
1941	Influence of nanoprecipitation on strength of Cu60Zr30Ti10 glass containing Th-ZrC particle reinforcements. 2004 , 51, 577-581	44
1940	Thermal expansion and indentation-induced free volume in Zr-based metallic glasses measured by real-time diffraction using synchrotron radiation. 2004 , 51, 843-848	102
1939	Selective electrochemical dissolution in two-phase LaZrAlCuNi metallic glass. 2004 , 51, 961-965	35
1938	Crystallization behavior of the Zr61Al7.5Cu17.5Ni10Si4 amorphous alloy. 2004 , 88, 227-233	16
1937	Mechanically alloyed ZrCuAlNi glassy powders. 2004 , 375-377, 804-808	15
1936	The effect of boron on the thermal properties of the zirconium-based bulk amorphous alloys. 2004 , 375-377, 307-311	8
1935	Crystallization behavior of low temperature pre-annealed Zr46.8Ti8.2Ni10Cu7.5Be27.5Bulk glass. 2004 , 375-377, 355-358	10
1934	Synthesis of in situ bulk glass matrix composite in by Bridgman method. 2004 , 375-377, 407-410	7
1933	Thermodynamic properties and metastability of bulk metallic glasses. 2004 , 375-377, 2-8	40

1932	Electromechanical shaping, assembly and engraving of bulk metallic glasses. 2004 , 375-377, 227-234	14
1931	High aspect ratio micro mechanical structures made of bulk metallic glass. 2004 , 375-377, 327-331	10
1930	Atomistic simulations of MgCu metallic glasses: mechanical properties. 2004 , 387-389, 996-1000	16
1929	Mechanical alloying of La ₅₅ Al ₂₅ Cu ₁₀ Ni ₅ Co ₅ glass-forming alloy with refractory metals. 2004 , 381, 299-307	3
1928	Two-layered Zr-base amorphous alloy/metal surface composites fabricated by high-energy electron-beam irradiation. 2004 , 35, 3455-3460	8
1927	Fatigue and fracture behavior of bulk metallic glass. 2004 , 35, 3489-3498	81
1926	Bulk metallic glasses. 2004 , 44, 45-89	1949
1925	Design criteria for wear-resistant nanostructured and glassy-metal coatings. 2004 , 177-178, 317-324	327
1924	Internal friction and elastic modulus of bulk metallic glasses. 2004 , 370, 302-306	24
1923	Subsurface deformation during Vickers indentation of bulk metallic glasses. 2004 , 375-377, 1191-1195	77
1922	Bulk amorphous Mg-based alloys. 2004 , 375-377, 186-193	40
1921	Bulk metallic glasses: what are they good for?. 2004 , 375-377, 385-388	99
1920	Oxygen effects on glass formation of plasma arc sprayed Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ surface coatings. 2004 , 375-377, 625-629	9
1919	Deformation behavior and dilatometric measurements of NdFe based bulk metallic glass. 2004 , 375-377, 1161-1164	9
1918	Thermodynamics, enthalpy relaxation and fragility of the bulk metallic glass-forming liquid Pd ₄₃ Ni ₁₀ Cu ₂₇ P ₂₀ . 2004 , 52, 667-674	141
1917	Composition dependence of the microstructure and the mechanical properties of nano/ultrafine-structured TiCuNiSnNb alloys. 2004 , 52, 3035-3046	98
1916	Spherical indentation response of metallic glasses. 2004 , 52, 3335-3345	131
1915	Viscosity and specific volume of bulk metallic glass-forming alloys and their correlation with glass forming ability. 2004 , 52, 3689-3695	177

1914	Current knowledge on biosynthesis, biological activity, and chemical modification of the exopolysaccharide, pullulan. 2004 , 339, 447-60	206
1913	The relationship between kinetic and thermodynamic fragilities in metallic glass-forming liquids. 2004 , 84, 2471-2484	19
1912	Relaxation of metallic Zr _{46.75} Ti _{8.25} Cu _{7.5} Ni ₁₀ Be _{27.5} bulk glass-forming supercooled liquid. 2004 , 84, 2790-2792	69
1911	Kinetics of shear banding in a bulk metallic glass monitored by acoustic emission measurements. 2004 , 84, 2147-2166	43
1910	Binary Cu ₂ Zr Bulk Metallic Glasses. 2004 , 21, 901-903	240
1909	Soft bulk metallic glasses based on cerium. 2004 , 85, 61-63	106
1908	Noncontact measurement of crystallization behavior, specific volume, and viscosity of bulk glass-forming Zr-Al-Co-(Cu) alloys. 2004 , 70,	23
1907	Glass Transition. 2004 , 1-11	5
1906	High-strength binary Ti-Fe bulk alloys with enhanced ductility. 2004 , 19, 3600-3606	79
1905	Bulk metallic glass formation in the binary Cu ₂ Zr system. 2004 , 84, 4029-4031	414
1904	Glass forming ability and thermal stability of Cu _{68.5} Ni ₁₂ P _{19.5} and Cu ₆₆ Ni _{11.5} P _{22.5} melt spun ribbons. 2004 , 373, 115-121	5
1903	Isothermal annealing induced embrittlement of Zr _{41.25} Ti _{13.75} Ni ₁₀ Cu _{12.5} Be _{22.5} bulk metallic glass. 2004 , 381, 86-90	24
1902	High strength and ductile binary Ti ₂ Fe composite alloy. 2004 , 384, L1-L3	62
1901	Amorphization and thermal stability of Cu _{68.5} Ni ₁₂ P _{19.5} alloy. 2004 , 384, 175-180	1
1900	Influence of oxygen content in phase selection during quenching of Zr ₈₀ Pt ₂₀ melt spun ribbons. 2004 , 12, 1211-1217	25
1899	Decomposition and crystallization of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ and Zr _{46.8} Ti _{8.2} Cu _{7.5} Ni ₁₀ Be _{27.5} metallic glasses. 2004 , 12, 1251-1255	14
1898	Bulk glass forming and thermal stability in Fe _{67.0} Co _{9.5} Nd _{3.0} Dy _{0.5} B ₂₀ alloy. 2004 , 58, 1844-1852	7
1897	Mechanical behavior of Ni-based metallic glass matrix composites deformed by cold rolling. 2004 , 58, 3312-3315	6

1896	Isothermal stress relaxation of bulk and ribbon Zr-based metallic glass. 2004 , 342, 152-159	15
1895	Glass forming ability and thermal stability of Ni ₆₃ Cu ₉ Fe ₈ P ₂₀ melt spun ribbon. 2004 , 343, 150-153	4
1894	Glass-forming ability of melt-spun multicomponent (Ti, Zr, Hf)(Cu, Ni, Co)Al alloys with equiatomic substitution. 2004 , 347, 166-172	65
1893	Ductile bulk metallic glass. 2004 , 93, 255506	885
1892	Ab initio calculations of cohesive energies of Fe-based glass-forming alloys. 2004 , 70,	70
1891	Novel In Situ Nanostructure-Dendrite Composites in Zr-Base Multicomponent Alloy System. 2004 , 19, 423-437	9
1890	Cu-Based Bulk Glass Formation in the Cu-Zr-Ga Alloy System and Their Mechanical Properties. 2004 , 45, 532-535	14
1889	Composition Rules from Electron Concentration and Atomic Size Factors in Zr-Al-Cu-Ni Bulk Metallic Glasses. 2004 , 45, 1177-1179	29
1888	Formation, Thermal Stability and Mechanical Properties of Cu-Zr and Cu-Hf Binary Glassy Alloy Rods. 2004 , 45, 584-587	196
1887	Synthesis and Fundamental Properties of Cu-Based Bulk Glassy Alloys in Binary and Multi-component Systems. 2004 , 45, 1153-1162	36
1886	Glass Forming Ability and Mechanical Properties of Misch Metal-Based Bulk Metallic Glass Matrix Composite. 2004 , 45, 1395-1399	5
1885	Thermal Stability and Devitrification Behavior of Ternary Ni-Nb-Ti and Quaternary Glassy Alloys Containing Noble Metals. 2005 , 46, 675-680	19
1884	Residual stresses in a bulk metallic glass cylinder induced by thermal tempering. 2005 , 37, 201-212	38
1883	Dynamics of a bulk metallic glass Cu ₆₀ Zr ₂₀ Hf ₁₀ Ti ₁₀ . 2005 , 404, 301-304	6
1882	Glass formation and crystallization of Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ X ₁ (X=Fe, Si, Sn, Pb) alloys. 2005 , 392, 169-178	31
1881	Extrusion formability and deformation behavior of Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass in an undercooled liquid state after rapid heating. 2005 , 399, 238-243	36
1880	Fabrication and characterization of Coriolis mass flowmeter made from Ti-based glassy tubes. 2005 , 407, 201-206	16
1879	Shear fracture behavior of Ti ₃ Si ₂ induced by compression at temperatures below 1000°C. 2005 , 408, 64-71	28

1878	Fabrication of Zr- and Cu-base bulk metallic glass/Cu surface composites by high-energy electron-beam irradiation. 2005 , 408, 92-101	8
1877	Excess free volume in metallic glasses measured by X-ray diffraction. 2005 , 53, 1611-1619	313
1876	Mg-based bulk metallic glass composites with plasticity and gigapascal strength. 2005 , 53, 1857-1866	187
1875	Investigation of TiBeCo bulk alloys with high strength and enhanced ductility. 2005 , 53, 2009-2017	125
1874	CuHfTiAgTa bulk metallic glass composites and their properties. 2005 , 53, 2037-2048	83
1873	Microstructure control and ductility improvement of LaAl(Cu, Ni) composites by Bridgman solidification. 2005 , 53, 2607-2616	54
1872	Multiple maxima of GFA in three adjacent eutectics in ZrCuAl alloy system A metallographic way to pinpoint the best glass forming alloys. 2005 , 53, 2969-2979	202
1871	Glass formation, corrosion behavior and mechanical properties of bulk glassy CuHfTiNb alloys. 2005 , 53, 3903-3911	56
1870	Analysis of shear banding in metallic glasses under bending. 2005 , 53, 4087-4095	62
1869	Formation of a metastable eutectic during the solidification of the alloy Ti60Cu14Ni12Sn4Ta10. 2005 , 53, 5141-5149	18
1868	Time and amplitude dependences of the damping decrement and shear modulus upon irreversible structural relaxation in a Zr-Cu-Ni-Al-Ti bulk metallic glass. 2005 , 47, 411	1
1867	Crystallization and fracture behavior of the Zr65Al7.5Cu17.5Ni10Six bulk amorphous alloys. 2005 , 89, 122-129	18
1866	Behavior of multiple shear bands in Zr-based bulk metallic glass. 2005 , 93, 174-177	77
1865	Enhancement of plasticity in Ti-rich TiZrBeCuNi bulk metallic glasses. 2005 , 53, 1-6	96
1864	Ball indentation tests for a Zr-based bulk metallic glass. 2005 , 53, 1461-1465	24
1863	In situ composite formation in the Ni(Cu)TiZrBi system. 2005 , 53, 1467-1470	16
1862	Ultraviolet-circular dichroism spectroscopy and potentiometric study of the interaction between human serum albumin and sodium perfluorooctanoate. 2005 , 79, 300-9	25
1861	Microstructural and Nano-Mechanical Characterisation of Multicomponent Composites Nanocrystalline Matrix. 2005 , 7, 197-201	1

1860	Nanostructured Composite Materials with Improved Deformation Behavior. 2005 , 7, 587-596	27
1859	Elevated Temperature Deformation Behavior of Zr-Based Bulk Metallic Glasses. 2005 , 7, 833-841	12
1858	Formation, Thermal Stability and Deformation Behavior of High-Strength Cu-Based Bulk Glassy and Nanostructured Alloys. 2005 , 7, 960-965	6
1857	PMMA Gradient Materials and in situ Nanocoating via Self-Assembly of Semifluorinated Hyperbranched Amphiphiles. 2005 , 206, 135-141	11
1856	Exploration of a new method in determining the glass transition temperature of BMGs by electrical resistivity. 2005 , 135, 103-107	23
1855	Bulk metallic glasses: Eutectic coupled zone and amorphous formation. 2005 , 57, 60-63	44
1854	High copper content bulk glass formation in bimetallic Cu-Hf system. 2005 , 36, 455-458	68
1853	Mechanical behaviors of partially devitrified ti-based bulk metallic glass. 2005 , 40, 4999-5001	8
1852	Shear band formation and mechanical properties of cold-rolled bulk metallic glass and metallic glass matrix composite. 2005 , 40, 1937-1941	17
1851	Investigation of deformation behavior of Zr-Ti-Ni-Cu-Be bulk metallic glass containing nanocrystals. 2005 , 40, 4561-4569	10
1850	Development of Ni-Zr-Nb-Al-M(=Ta,Ti,Y) Metallic Glass. 2005 , 475-479, 3435-3438	2
1849	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. 2005 , 20, 303-306	4
1848	Vickers hardness and compressive properties of bulk metallic glasses and nanostructure-dendrite composites. 2005 , 20, 2632-2638	29
1847	Synthesis, Structure and Properties of Iron-Based Bulk Glass-Forming Metallic Alloys Prepared by Different Processing. 2005 , 494, 321-326	1
1846	Refractory MoBi-based glassy alloy designed for ultrahigh strength and thermal stability. 2005 , 20, 2910-2913	6
1845	Quasicrystal Formation in the System Zr _{75-x} Ti _x Cu _{25-y} Ni _y . 2005 , 475-479, 3563-3566	1
1844	Ti-Based Bulk Metallic Glass with High Cold Workability at Room Temperature. 2005 , 475-479, 3431-3434	2
1843	Effects of Glass-Forming Metallic Film on the Fatigue Behavior of C-2000 Ni-Based Alloy. 2005 , 903, 1	1

1842	Phase Equilibria Studies of Hf _{44.5} Ti ₅ Cu ₂₇ Ni _{13.5} Al ₁₀ and Hf _{44.5} Nb ₅ Cu ₂₇ Ni _{13.5} Al ₁₀ . 2005 , 903, 1	
1841	Impact Fracture Behavior of Zr-Based Bulk Metallic Glass Using Subsize Charpy Specimen. 2005 , 297-300, 1356-1364	1
1840	Pressure-temperature-time-transition diagram in a strong metallic supercooled liquid. 2005 , 71, 611-617	4
1839	Structural transformation and localization during simulated nanoindentation of a noncrystalline metal film. 2005 , 86, 011914	65
1838	Free-volume evolution and its temperature dependence during rolling of Cu ₆₀ Zr ₂₀ Ti ₂₀ bulk metallic glass. 2005 , 87, 101901	42
1837	Shear softening and structure in a simulated three-dimensional binary glass. 2005 , 122, 154508	40
1836	Topological criteria for amorphization based on a thermodynamic approach. 2005 , 97, 103502	43
1835	Noncontact measurement of high-temperature surface tension and viscosity of bulk metallic glass-forming alloys using the drop oscillation technique. 2005 , 86, 014104	46
1834	Amorphous metallic plastic. 2005 , 94, 205502	239
1833	Discovering inch-diameter metallic glasses in three-dimensional composition space. 2005 , 87, 181915	191
1832	Strain localization and percolation of stable structure in amorphous solids. 2005 , 95, 095502	227
1831	Amorphouslike diffraction pattern in solid metallic titanium. 2005 , 95, 155501	13
1830	Enhancement of room-temperature plasticity in a bulk metallic glass by finely dispersed porosity. 2005 , 86, 251907	141
1829	Mechanically driven phase separation and corresponding microhardness change in Cu ₆₀ Zr ₂₀ Ti ₂₀ bulk metallic glass. 2005 , 86, 081913	50
1828	Lattice distortion disordering and local amorphization in the dendrites of a Ti _{66.1} Cu ₈ Ni _{4.8} Sn _{7.2} Nb _{13.9} nanostructure dendrite composite during intersection of shear bands. 2005 , 86, 201909	28
1827	Atomic-scale simulations of strain localization in a single-component three-dimensional model amorphous solid. 2005 , 903, 1	
1826	Plastic deformation and mechanical softening of Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ bulk metallic glass during nanoindentation. 2005 , 20, 2719-2725	44
1825	Microstructure- and property-controllable NdAlNiCuFe alloys by varying Fe content. 2005 , 20, 314-319	8

1824	Bulk Scandium-based Metallic Glasses. 2005 , 20, 2243-2247	26
1823	Doubling the Critical Size for Bulk Metallic Glass Formation in the MgCuY Ternary System. 2005 , 20, 2252-2255	82
1822	PdBi Binary Bulk Metallic Glass Prepared at Low Cooling Rate. 2005 , 22, 1481-1483	42
1821	Impact of ion irradiation on the thermal, structural, and mechanical properties of metallic glasses. 2005 , 71,	46
1820	Structural characterization of CuTi-based bulk metallic glass by advanced electron microscopy. 2005 , 85, 125-133	10
1819	Adiabatic shear banding instability in bulk metallic glasses. 2005 , 87, 141916	61
1818	Shear and distensile fracture behaviour of Ti-based composites with ductile dendrites. 2005 , 85, 897-915	17
1817	Superplasticity and superplastic forming ability of a ZrTiNiCuBe bulk metallic glass in the supercooled liquid region. 2005 , 351, 209-217	67
1816	Synthesis and thermal stability of amorphous BeBx alloy coatings. 2005 , 351, 900-905	4
1815	Enhancement of glass forming ability and plasticity by addition of Nb in CuTiZrNiSi bulk metallic glasses. 2005 , 351, 1232-1238	93
1814	On the parameters to assess the glass forming ability of liquids. 2005 , 351, 1366-1371	125
1813	Characterization of Ni63Cu9Fe8P20 glass forming alloy. 2005 , 387, 179-182	2
1812	An unusual phase transformation during mechanical alloying of an Fe-based bulk metallic glass composition. 2005 , 389, 121-126	41
1811	Isothermal crystallization kinetics analysis of melt-spun Pd42.5Cu30Ni7.5P20 amorphous ribbons. 2005 , 392, 173-176	11
1810	Superplastic deformation behavior of Zr41.25Ti13.75Ni10Cu12.5Be22.5 bulk metallic glass in the supercooled liquid region. 2005 , 13, 79-85	36
1809	Effect of minor alloying additions on glass formation in bulk metallic glasses. 2005 , 13, 415-418	95
1808	On the criteria of bulk metallic glass formation in MgCu-based alloys. 2005 , 13, 638-641	21
1807	Crystallization behavior of the Zr63Al7.5Cu17.5Ni10B2 amorphous alloy during isothermal annealing. 2005 , 13, 907-911	24

1806	Strain rate-dependent compressive deformation behavior of Nd-based bulk metallic glass. 2005 , 13, 827-832	47
1805	Ni-based bulk glassy alloys with large supercooled liquid region exceeding 90K. 2005 , 13, 1166-1171	37
1804	Effect of relaxation and primary nanocrystallization on the mechanical properties of Cu ₆₀ Zr ₂₂ Ti ₁₈ bulk metallic glass. 2005 , 13, 1214-1219	54
1803	Excellent glass-forming ability in simple Cu ₅₀ Zr ₅₀ -based alloys. 2005 , 351, 1328-1332	167
1802	Elastic moduli and behaviors of metallic glasses. 2005 , 351, 1481-1485	133
1801	In situ crystallization and enhanced mechanical properties of the Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} alloy by cold rolling. 2005 , 351, 2142-2146	30
1800	Thermal stability of mechanically alloyed boride/Ti ₅₀ Cu ₁₈ Ni ₂₂ Al ₄ Sn ₆ glassy alloy composites. 2005 , 351, 2277-2286	13
1799	Bulk metallic superconductive La ₆₀ Cu ₂₀ Ni ₁₀ Al ₁₀ glass. 2005 , 351, 2572-2575	24
1798	A bulk metallic glass based on heavy rare earth gadolinium. 2005 , 351, 2568-2571	25
1797	Glass forming ability and thermal stability of ternary CaMgZn bulk metallic glasses. 2005 , 351, 3087-3094	79
1796	Initiation and propagation of shear bands in Zr-based bulk metallic glass under quasi-static and dynamic shear loadings. 2005 , 351, 3259-3270	93
1795	Fragility of metallic glass-forming liquids: A simple thermodynamic connection. 2005 , 351, 3879-3883	33
1794	Electrochemical behaviour of amorphous and nanoquasicrystalline ZrPd and ZrPt alloys in different environments. 2005 , 47, 2619-2635	21
1793	Influence of Kinetic and Thermodynamic Factors on the Glass-Forming Ability of Zirconium-Based Bulk Amorphous Alloys. 2005 , 94,	110
1792	Formation and crystallization of ZrCuTi metallic glasses. 2005 , 85, 3673-3682	12
1791	Unified tensile fracture criterion. 2005 , 94, 094301	192
1790	Molecular dynamics study of the binary Cu ₄₆ Zr ₅₄ metallic glass motivated by experiments: Glass formation and atomic-level structure. 2005 , 71,	199
1789	Dynamic evolution of nanoscale shear bands in a bulk-metallic glass. 2005 , 86, 141904	161

1788	Unusual room-temperature compressive plasticity in nanocrystal-toughened bulk copper-zirconium glass. 2005 , 85, 221-237	252
1787	Understanding the fundamentals of perfluorocarbons and perfluorocarbon emulsions relevant to in vivo oxygen delivery. 2005 , 33, 47-63	223
1786	Bulk metallic glass formation in ZrCuBeAl alloys. 2005 , 86, 241909	97
1785	Intrinsic plasticity or brittleness of metallic glasses. 2005 , 85, 77-87	927
1784	Thermal expansion of a glassy alloy studied using a real-space pair distribution function. 2006 , 88, 121926	21
1783	Influence of thermal conductivity on the glass-forming ability of Ni-based and Cu-based alloys. 2006 , 88, 251902	13
1782	Design of Cu ₈ Zr ₅ -based bulk metallic glasses. 2006 , 88, 241913	61
1781	Enhanced plasticity in Mg-based bulk metallic glass composite reinforced with ductile Nb particles. 2006 , 89, 261904	72
1780	Localized heating and fracture criterion for bulk metallic glasses. 2006 , 21, 915-922	95
1779	Correlations between elastic moduli and properties in bulk metallic glasses. 2006 , 99, 093506	340
1778	Optimization of Nanostructured Tribological Coatings. 2006 , 511-538	15
1777	Thermodynamic basis for cluster kinetics: Prediction of the fragility of marginal metallic glass-forming liquids. 2006 , 110, 21950-7	10
1776	Phase separating bulk metallic glass: a hierarchical composite. 2006 , 96, 245503	103
1775	An implicit finite element method for simulating inhomogeneous deformation and shear bands of amorphous alloys based on the free-volume model. 2006 , 14, 1329-1345	94
1774	Atomic-scale simulations of strain localization in three-dimensional model amorphous solids. 2006 , 73,	137
1773	Electrochemical behavior of multicomponent amorphous and nanocrystalline Zr-based alloys in different environments. 2006 , 48, 2212-2225	39
1772	Nanocrystal development in Cu ₄₇ Ti ₃₃ Zr ₁₁ Ni ₈ Si ₁ metallic glass powders. 2006 , 415, 162-169	9
1771	Superplastic formability of a ZrTiNiCuBe bulk metallic glass. 2006 , 415, 198-203	26

1770	Strong composition-dependence on glass-forming ability in Ni(Ti,Zr)Si pseudo-ternary alloys. 2006 , 422, 86-91	3
1769	Synthesis and mechanical properties of an amorphous ZrNiAlCu alloy. 2006 , 422, 218-222	15
1768	Enhanced plasticity in a Zr-based bulk metallic glass containing nanocrystalline precipitates. 2006 , 425, L1-L4	35
1767	Corrosion behavior of Zr-based bulk metallic glasses in different artificial body fluids. 2006 , 425, 268-273	58
1766	Synthesis of centimeter-size Ag-doped ZrCuAl metallic glasses with large plasticity. 2006 , 424, 176-178	48
1765	Centimeter-sized (La _{0.5} Ce _{0.5})-based bulk metallic glasses. 2006 , 424, 179-182	17
1764	Influences of additional alloying elements (V, Ni, Cu, Sn, B) on structure and mechanical properties of high-strength hypereutectic TiFeCo bulk alloys. 2006 , 14, 255-259	19
1763	Calculation of metastable free-energy diagrams and glass formation in the MgCuY alloy and its boundary binaries using the Miedema model. 2006 , 14, 297-307	31
1762	Cytotoxicity of Zr-based bulk metallic glasses. 2006 , 14, 729-734	97
1761	Thermal stability and crystallization of ZrAlCuNi based amorphous alloy added with boron and silicon. 2006 , 14, 951-956	22
1760	Fatigue and fracture behavior of (Zr ₅₈ Ni _{13.6} Cu ₁₈ Al _{10.4}) ₉₉ Nb ₁ bulk-amorphous alloy. 2006 , 14, 1043-1050	29
1759	Shear punch tests for a bulk metallic glass. 2006 , 14, 1411-1416	31
1758	Crystallization kinetics of the Zr ₆₁ Al _{7.5} Cu _{17.5} Ni ₁₀ Si ₄ alloy using isothermal DSC and TEM observation. 2006 , 352, 71-77	21
1757	Doping-induced formation of bulk nanocrystalline alloy from metallic glass with controllable microstructure and properties. 2006 , 352, 444-449	10
1756	The excess wing of bulk metallic glass forming liquids. 2006 , 352, 5103-5109	18
1755	Phonon dispersion in bulk metallic glass Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₁₅ . 2006 , 352, 3196-3199	2
1754	Bulk metallic glasses based on rare-earth elements in lanthanum series. 2006 , 352, 3942-3946	12
1753	Attempt to depict glass forming ability of bulk metallic glasses using the criterion of the total relaxation time at the glass transition. 2006 , 352, 3859-3863	12

1752	The influence of doping with tin on the structure of Cu _{0.70} Si _{0.30} eutectic melt. 2006 , 352, 4287-4291	5
1751	Mechanically alloyed multi-component Mo-based amorphous alloys with wide supercooled liquid region. 2006 , 352, 3985-3994	10
1750	Metallic plastics based on misch metals. 2006 , 352, 5687-5690	15
1749	Noncrystalline Solids. 2006 ,	
1748	Formation, Thermal Stability and Mechanical Properties of Zr-Nb-Cu-Ni-Al Bulk Metallic Glasses. 2006 , 47, 1294-1298	9
1747	Developments and Applications of Bulk Glassy Alloys in Late Transition Metal Base System. 2006 , 47, 1275-1285	102
1746	Materials science: a new order for metallic glasses. 2006 , 439, 405-6	131
1745	Temperature rise at shear bands in metallic glasses. 2006 , 5, 15-18	736
1744	Making metallic glasses plastic by control of residual stress. 2006 , 5, 857-60	427
1743	Competitive formation of ternary metallic glasses. 2006 , 54, 1927-1934	18
1742	Formation of cerium-based bulk metallic glasses. 2006 , 54, 3025-3032	103
1741	Effect of rolling deformation on the microstructure of bulk Cu ₆₀ Zr ₂₀ Ti ₂₀ metallic glass and its crystallization. 2006 , 54, 4373-4383	66
1740	Deformation and evolution of shear bands under compressive loading in bulk metallic glasses. 2006 , 54, 5271-5279	44
1739	Influence of the micro-addition of Mo on glass forming ability and corrosion resistance of Cu-based bulk metallic glasses. 2006 , 51, 3724-3730	30
1738	The effect of microalloying on thermal stability and corrosion resistance of Cu-based bulk metallic glasses. 2006 , 415, 286-290	40
1737	High-purity amorphous Zr _{52.5} Cu _{17.9} Ni _{14.6} Al ₁₀ Ti ₅ powders via mechanical amorphization of crystalline pre-alloys. 2006 , 418, 236-240	12
1736	Stabilization of Zr-base metallic glass studied by isochronal and isothermal annealing experiments. 2006 , 442, 287-291	8
1735	Fabrication, properties and applications of bulk glassy alloys in late transition metal-based systems. 2006 , 441, 18-25	54

1734	Bulk non-equilibrium alloys and porous glassy alloys with unique mechanical characteristics. 2006 , 442, 233-242	9
1733	Comparison of mechanical behavior between bulk and ribbon Cu-based metallic glasses. 2006 , 430, 350-354	50
1732	Consolidation and properties of ball-milled Ti ₅₀ Cu ₁₈ Ni ₂₂ Al ₄ Sn ₆ glassy alloy by equal channel angular extrusion. 2006 , 434, 280-288	59
1731	A study of the glass forming ability in ZrNiAl alloys. 2006 , 441, 106-111	26
1730	Fracture behavior of bulk metallic glass/metal laminate composites. 2006 , 417, 239-242	16
1729	Structural, thermodynamical, and transport properties of undercooled binary PdNi alloys. 2006 , 435-436, 736-744	9
1728	Phonon dispersion in ZrTiCuNiBe bulk metallic glasses. 2006 , 381, 239-245	3
1727	Mechanical and tribological properties of CrTiCu(B,N) glassy-metal coatings deposited by reactive magnetron sputtering. 2006 , 200, 4601-4611	10
1726	Hardness and wear resistance of Zr-based bulk metallic glass/Ti surface composites fabricated by high-energy electron beam irradiation. 2006 , 201, 1620-1628	15
1725	Glass forming ability of Gd ₅₅ Al ₁₅ Ni ₃₀ ternary alloy. 2006 , 41, 6112-6115	3
1724	Devitrification of HfPdNi glassy alloy on heating. 2006 , 509, 75-80	3
1723	Metal-semiconductor amorphous and nanoscale Ge-phase composites produced by rapid solidification and by devitrification of an amorphous matrix. 2006 , 35, 1986-1992	3
1722	Effects of tungsten fiber on failure mode of zr-based bulk metallic glassy composite. 2006 , 37, 2459-2469	29
1721	Erbium- and cerium-based bulk metallic glasses. 2006 , 54, 599-602	45
1720	Processing of bulk metallic glasses with high strength and large compressive plasticity in Cu ₅₀ Zr ₅₀ . 2006 , 54, 1145-1149	79
1719	On the origin of nanocrystals in the shear band in a quasicrystal forming bulk metallic glass Ti ₄₀ Zr ₂₉ Cu ₉ Ni ₈ Be ₁₄ . 2006 , 55, 509-512	19
1718	A novel Ni-free Zr-based bulk metallic glass with enhanced plasticity and good biocompatibility. 2006 , 55, 605-608	78
1717	New CuZr-based bulk metallic glasses with large diameters of up to 1.5cm. 2006 , 55, 711-713	111

1716	Fabrication of porous Zr ₄₀ Al ₁₀ Ni bulk metallic glass by spark plasma sintering process. 2006 , 55, 687-690	102
1715	Bulk metallic glass formation of Ti-based alloys from low purity elements. 2006 , 60, 1256-1260	20
1714	Fabrication and mechanical properties of glassy coil springs. 2006 , 60, 1851-1853	9
1713	Ductility of a Zr-based bulk-metallic glass with different specimen's geometries. 2006 , 60, 3537-3540	60
1712	Ni ₂₀ Si ₁₀ Sn/Cu metallic glass composites prepared by magnetic compaction. 2006 , 60, 3747-3751	2
1711	Fabrication of Binary Ni-Nb Bulk Metallic Glass with High Strength and Compressive Plasticity. 2006 , 8, 953-957	43
1710	Compressive Behavior of a Zr-Based Metallic Glass at Cryogenic Temperatures. 2006 , 18, 752-754	122
1709	Glass Formation Ability and Kinetics of the Gd 55 Al 20 Ni 25 Bulk Metallic Glass. 2006 , 23, 672-674	18
1708	Thermal Stability and Kinetics of Binary Cu 65 Hf 35 Bulk Metallic Glass. 2006 , 23, 3101-3104	4
1707	Effect of Structural Relaxation on Deformation Behaviour of Zr-Based Metallic Glass. 2006 , 23, 1868-1871	4
1706	A Process Classification Number for the Solidification of Crystallizing Materials. 2006 , 21, 521-526	2
1705	The glass forming ability of Cu-rich Cu ₅₀ Bi binary alloys. 2006 , 18, 3543-3548	46
1704	Determining the Role of W in Suppressing Crystallization of Electroless Ni ₄₀ W ₁₀ Films. 2006 , 153, J46	20
1703	Effect of Sn on microstructure and mechanical properties of (Ti ₄₀ Cu)-based bulk metallic glasses. 2006 , 86, 479-486	31
1702	Analysis of Impact Fracture Behavior in Bulk Amorphous Metals Using Instrumented Impact Testing Apparatus. 2006 , 326-328, 1665-1668	
1701	Search for High Damping Metallic Glasses. 2006 , 319, 151-156	3
1700	Isothermal Stress Relaxation of Bulk and Ribbon Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ Metallic Glass. 2006 , 115, 121-126	5
1699	Numerical Simulation of Temperature Field and Grain Structure in the Solidification of K4169 Superalloy Shell Casting. 2006 , 532-533, 957-960	

1698	Characterization of rate-dependent shear behavior of Zr-based bulk metallic glass using shear-punch testing. 2006 , 21, 153-160	17
1697	High glass-forming ability and good mechanical properties of new bulk glassy alloys in Cu ₄₀ Zr ₄₀ Ag ternary system. 2006 , 21, 234-241	79
1696	Surface oxides and their effect on the oxidation behavior of amorphous and nanoquasicrystalline Zr-Pd and Zr-Pt alloys. 2006 , 21, 639-646	7
1695	Strength asymmetry of ductile dendrites reinforced Zr- and Ti-based composites. 2006 , 21, 2331-2336	39
1694	Improving glass-forming ability of Mg ₆₀ Cu ₄₀ via substitutional alloying: Effects of Ag versus Ni. 2006 , 21, 2204-2214	24
1693	Evaluation of hardness σ yield strength relationships for bulk metallic glasses. 2006 , 86, 333-345	37
1692	Strong configurational dependence of elastic properties for a binary model metallic glass. 2006 , 89, 151901	48
1691	Atomistic simulation study of the shear-band deformation mechanism in Mg-Cu metallic glasses. 2006 , 73,	69
1690	Validity of temperature and time equivalence in metallic glasses during shear deformation. 2006 , 74,	21
1689	Relationship between the shear viscosity and heating rate of metallic glasses below T _g . 2006 , 73,	19
1688	Hard and fragile holmium-based bulk metallic glasses. 2006 , 88, 181909	32
1687	Superductile bulk metallic glass. 2006 , 88, 122106	244
1686	Structures and mechanical behaviors of Zr ₅₅ Cu ₃₅ Al ₁₀ bulk amorphous alloys at ambient and cryogenic temperatures. 2006 , 74,	32
1685	Mechanical behavior of bulk amorphous alloys reinforced by ductile particles at cryogenic temperatures. 2006 , 96, 145506	79
1684	Deformation and fracture behavior of tungsten fiber-reinforced bulk metallic glass composite subjected to transverse loading. 2006 , 21, 1375-1384	21
1683	Heterogeneity of a Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass. 2006 , 88, 051911	141
1682	Crystallization kinetics and glass-forming ability of bulk metallic glasses Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ and Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} from classical theory. 2006 , 74,	20
1681	Influence of Co addition on the magnetocaloric effect of FeCoSiAlGaPCB amorphous alloys. 2006 , 88, 132509	81

1680	Development of magnetic Fe-based metallic glasses without metalloids. 2006 , 99, 023908	21
1679	High strength hexagonal structured dendritic phase reinforced Zr ₅₀ Ni ₅₀ bulk alloy with enhanced ductility. 2006 , 88, 201920	24
1678	Binary Ni ₅₀ Nb ₅₀ bulk metallic glasses. 2006 , 99, 026103	146
1677	Binary eutectic clusters and glass formation in ideal glass-forming liquids. 2006 , 89, 071910	48
1676	Softening caused by profuse shear banding in a bulk metallic glass. 2006 , 96, 105503	346
1675	Effect of temperature on mechanical behavior of Zr-based bulk metallic glasses. 2006 , 89, 041921	36
1674	Shear viscosity of bulk and ribbon glassy Pd ₄₀ Cu ₃₀ Ni ₁₀ P ₂₀ well below and near the glass transition. 2006 , 100, 033518	34
1673	Thermodynamic modeling of glass formation in metallic glasses. 2006 , 88, 171905	80
1672	Crystallization behavior and magnetic properties of Cu-containing Fe _{100-x} Co _x P _{100-2x} alloys. 2006 , 100, 043515	9
1671	Thermophysical properties of a Cu ₄₆ Zr ₄₂ Al ₇ Y ₅ bulk metallic glass-forming liquid. 2006 , 88, 221909	21
1670	Rate dependence of shear banding and serrated flows in a bulk metallic glass. 2006 , 21, 2164-2167	54
1669	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. 2006 , 21, 1041-1047	29
1668	Recent progress in the area of bulk metallic glasses. 2006 , 97, 225-233	14
1667	Multiaxial deformation characteristic of a Zr-based bulk metallic glass: Variations of the plastic constraint factor underneath a spherical indenter. 2007 , 22, 2895-2901	1
1666	Critical Poisson ratio for room-temperature embrittlement of amorphous Mg ₈₅ Cu ₅ Y ₁₀ . 2007 , 87, 383-392	40
1665	Effects of partial crystallization on compression and fatigue behavior of Zr-based bulk metallic glasses. 2007 , 22, 493-500	11
1664	Transmission electron microscopy investigation of the structure of a welded Zr ₅₀ Cu ₃₀ Ni ₁₀ Al ₁₀ glassy alloy sample. 2007 , 87, 549-554	8
1663	Bulk Glassy and Quasicrystalline (Zr ₆₅ Al _{7.5} Cu _{27.5}) _{100-x} Ti _x Alloys and Their Mechanical Properties. 2007 , 48, 1789-1792	4

1662	Stabilization of metallic glass by isochronal and isothermal annealing treatments. 2007 , 19, 205147	4
1661	Second amorphous-to-crystalline phase transformation in Cu(60)Ti(20)Zr(20) bulk metallic glass. 2007 , 19, 246206	7
1660	Origin of the pre-peak in Zr70Cu29Pd1 metallic glass. 2007 , 19, 476217	8
1659	Bulk metallic glasses based on binary cerium and lanthanum elements. 2007 , 91, 041901	20
1658	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. 2007 , 101, 09N101	12
1657	Intrinsic correlation between fragility and bulk modulus in metallic glasses. 2007 , 76,	61
1656	Thermal and elastic properties of Cu _z IrBe bulk metallic glass forming alloys. 2007 , 90, 211901	26
1655	Nearest-neighbor coordination and chemical ordering in multicomponent bulk metallic glasses. 2007 , 90, 211908	34
1654	Avalanche size scaling in sheared three-dimensional amorphous solid. 2007 , 98, 095501	88
1653	Bulk metallic glasses: Smaller is softer. 2007 , 90, 081919	194
1652	Reversible atomic processes as basic mechanisms of the glass transition. 2007 , 104, 12962-5	19
1651	Local heating and viscosity drop during shear band evolution in bulk metallic glasses under quasistatic loading. 2007 , 102, 043519	26
1650	Electrical conductivity of a bulk metallic glass composite. 2007 , 91, 154101	16
1649	Mechanical crystallization of Fe-based amorphous alloys. 2007 , 102, 083544	34
1648	Atomic structure of glassy Mg ₆₀ Cu ₃₀ Y ₁₀ investigated with EXAFS, x-ray and neutron diffraction, and reverse Monte Carlo simulations. 2007 , 76,	30
1647	The effect of Ti, Nb, and Ta additions to ZrAlCu metallic glass on the crystallization and formation of the icosahedral phase. 2007 , 22, 1093-1097	9
1646	Effect of high pressure during the fabrication on the thermal and mechanical properties of amorphous Ni ₆₀ Nb ₄₀ particle-reinforced Al-based metal matrix composites. 2007 , 22, 1168-1173	5
1645	Influence of additional elements on the development of nanoscale heterogeneities in (TiCu)-based bulk metallic glasses with enhanced ductility. 2007 , 22, 2223-2229	3

1644	In situ thermographic observations on the compression behavior of a relaxed Zr-based bulk-metallic glass. 2007 , 22, 368-373	6
1643	Deformation behavior of Zr- and Ni-based bulk glassy alloys. 2007 , 22, 1087-1092	18
1642	Dynamic indentation response of ZrHf-based bulk metallic glasses. 2007 , 22, 478-485	16
1641	Glass Forming Ability and Thermal Properties of a Cu-Based Bulk Metallic Glass Microalloyed with Silicon. 2007 , 561-565, 1341-1344	2
1640	Structural and Mechanical Behaviors of Partially Devitrified Ti-Based Bulk Metallic Glass. 2007 , 26-28, 699-702	1
1639	Syntheses and Applications of Fe-, Co-, Ni- and Cu-Based Bulk Glassy Alloys. 2007 , 539-543, 92-99	1
1638	Microstructure and Wear Behavior of Thermally Sprayed Fe-Based Amorphous Coating. 2007 , 353-358, 848-851	3
1637	Microstructure and mechanical properties of electron beam weld joints of a Zr ₄₁ Ti ₁₄ Cu ₁₂ Ni ₁₀ Be ₂₃ bulk metallic glass with Zr. 2007 , 22, 437-444	7
1636	Mechanical behavior of a Zr-based bulk metallic glass and its composite at cryogenic temperatures. 2007 , 22, 445-452	9
1635	Effect of Zr addition on the glass-forming ability and mechanical properties of NiNb alloy. 2007 , 22, 453-459	13
1634	Nanocrystalline coating enhanced ductility in a Zr-based bulk metallic glass. 2007 , 22, 508-513	22
1633	Introduction. 2007 , 22, 255-257	12
1632	Plasticity of a TiCu-based bulk metallic glass: Effect of cooling rate. 2007 , 22, 3067-3074	70
1631	Influence of Al and Ag on the Devitrification Behavior of a Cu-Zr Glassy Alloy. 2007 , 48, 2128-2132	14
1630	Glass-Forming Ability and Mechanical Properties of the Ternary Cu-Zr-Al and Quaternary Cu-Zr-Al-Ag Bulk Metallic Glasses. 2007 , 48, 1626-1630	50
1629	Structural Relaxation and Crystallization of a Zr ₄₄ Ti ₁₁ Cu _{9.8} Ni _{10.2} Be ₂₅ Bulk Metallic Glass. 2007 , 48, 1722-1728	8
1628	Compression-Compression Fatigue and Fracture Behaviors of Zr ₅₀ Al ₁₀ Cu ₃₇ Pd ₃ Bulk-Metallic Glass. 2007 , 48, 1828-1833	17
1627	Influence of Size and Number of Nanocrystals on Shear Band Formation in Amorphous Alloys. 2007 , 48, 1001-1006	6

1626	Formation and Thermal Stability of Ni-Based Bulk Metallic Glasses in Ni-Zr-Nb-Al System. 2007 , 48, 2385-2389	14
1625	Unusual Plasticity of the Particulate-Reinforced Cu-Zr-Based Bulk Metallic Glass Composites. 2007 , 48, 2542-2544	12
1624	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. 2007 , 48, 1304-1312	8
1623	Improved Thermal Stability of Amorphous ZrAlCuNi Alloys with Si and B. 2007 , 48, 239-243	6
1622	Glass Forming Ability and Mechanical Properties of Quinary Zr-Based Bulk Metallic Glasses. 2007 , 48, 1322-1326	25
1621	Impact of Microstructural Inhomogenities on the Ductility of Bulk Metallic Glasses. 2007 , 48, 1806-1811	8
1620	Effect of Structural Relaxation on Mechanical Behavior of a Zr-Based Bulk-Metallic Glass. 2007 , 48, 1781-1784	13
1619	Temperature-Dependent Mechanical Property of Zr-Based Metallic Glasses. 2007 , 48, 1752-1754	4
1618	Temperature, Strain and Strain Rate Dependence of Serrated Flow in Bulk Metallic Glasses. 2007 , 48, 1774-1780	22
1617	High Specific Strength and Improved Ductility of Bulk $(Mg_{0.65}Cu_{0.25}Gd_{0.1})_{100-x}Ti_x$ Metallic Glass Composites. 2007 , 48, 3193-3196	9
1616	Formation and Biocompatibility of Ni-Free Zr ₆₀ Nb ₅ Cu ₂₀ Fe ₅ Al ₁₀ Bulk Metallic Glass. 2007 , 48, 1879-1882	4
1615	On the Serrated Behavior during Plastic Deformation of a Zr-Based Bulk Metallic Glass. 2007 , 48, 2919-2922	3
1614	Synthesis and Properties of Nanostructure Controlled Metallic Glasses. 2007 , 61, 1002-1006	1
1613	A new criterion for the glass-forming ability of liquids. 2007 , 353, 102-107	96
1612	Plasticity induced by nanoparticle dispersions in bulk metallic glasses. 2007 , 353, 327-331	70
1611	Load relaxation behavior of a Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass. 2007 , 353, 2515-2520	12
1610	On the pressure evolution of the melting temperature and the glass transition temperature. 2007 , 353, 3915-3923	31
1609	Strengthening of multicomponent glass-forming alloys by microstructure design. 2007 , 353, 3742-3749	8

1608	Effect of microstructures on the compressive deformation and fracture behaviors of Zr ₄₇ Cu ₄₆ Al ₇ bulk metallic glass composites. 2007 , 353, 4707-4717	29
1607	Studies of nanostructuring in cesium magnesium tungsten phosphate glass. 2007 , 353, 4681-4690	9
1606	Effect of microalloying on the glass-forming ability of Cu ₆₀ Zr ₃₀ Ti ₁₀ bulk metallic glass. 2007 , 353, 4218-4222	11
1605	Amorphization in mechanically alloyed (Ti, Zr, Nb) _{1-x} (Cu, Ni) _x Al equiatomic alloys. 2007 , 428, 157-163	60
1604	New crystalline phases formed in a slowly-cooled Zr-based metallic glass. 2007 , 433, 120-124	4
1603	Amorphous and nanostructured Al ₈₅ Ni ₅ Y ₆ Co ₂ Fe ₂ powder prepared by nitrogen gas-atomization. 2007 , 436, 118-123	27
1602	Fracture instability in brittle Mg-based bulk metallic glasses. 2007 , 438, 145-149	30
1601	Ductilization of BMGs by optimization of nanoparticle dispersion. 2007 , 434-435, 6-9	19
1600	In situ characterization of a crack trajectory and shear bands interaction in metallic glasses. 2007 , 434-435, 52-55	7
1599	Investigation of high strength metastable hypereutectic ternary Ti ₄₀ Be ₄₀ Co and quaternary Ti ₄₀ Be ₄₀ (V, Sn) alloys. 2007 , 434-435, 32-35	27
1598	Effects of Ce and Mn additions on the glass forming ability of Al ₈₅ Ni ₅ Bi metallic glass alloys. 2007 , 440, L8-L12	17
1597	Role of nanocrystals in ductile Ni ₄₀ P ₆₀ metallic glass. 2007 , 441, 131-134	7
1596	Ultrahigh strength binary Ni ₄₀ P ₆₀ bulk glassy alloy composite with good ductility. 2007 , 443, 105-108	18
1595	Ni-free Zr-based bulk metallic glasses with critical diameter above 20 mm. 2007 , 443, 191-194	37
1594	Deformation behavior of high strength metastable hypereutectic Ti ₄₀ Be ₄₀ Co alloys. 2007 , 15, 181-186	27
1593	Novel microstructure and properties of multicomponent CoCrCuFeNiTi _x alloys. 2007 , 15, 357-362	440
1592	Studying fatigue behavior and Poisson's ratio of bulk-metallic glasses. 2007 , 15, 663-667	21
1591	Formation and interesting thermal expansion behavior of novel Sm-based bulk metallic glasses. 2007 , 15, 929-933	10

1590	Crystallization of amorphous Zr60Al15Ni25 alloy. 2007 , 15, 1013-1019	18
1589	Binary bulk metallic glass Ni62Nb38 with high compressive strength of 3100MPa. 2007 , 15, 1046-1049	17
1588	Identifying bulk metallic glass-formers from multi-component eutectics. 2007 , 15, 1122-1126	13
1587	An in situ bulk Zr58Al9Ni9Cu14Nb10 quasicrystal-glass composite with superior room temperature mechanical properties. 2007 , 15, 1197-1201	16
1586	Tribological properties of graphite- and ZrC-reinforced bulk metallic glass composites. 2007 , 15, 1228-1236	27
1585	Mechanical properties of PdCuSi bulk metallic glass. 2007 , 15, 639-643	26
1584	Effect of crystallization on corrosion resistance of Cu52.5Ti30Zr11.5Ni6 bulk amorphous alloy. 2007 , 17, 751-754	1
1583	The Mechanics and Physics of Defect Nucleation. <i>MRS Bulletin</i> , 2007 , 32, 151-159	3.2 119
1582	Correlation of atomic cluster symmetry and glass-forming ability of metallic glass. 2007 , 99, 095501	125
1581	Use of computational thermodynamics to identify potential alloy compositions for metallic glass formation. 2007 , 35-53	2
1580	Glass formation and microstructure evolution in AlNiRE (RE = La, Ce, Pr, Nd and misch metal) ternary systems. 2007 , 87, 4211-4228	30
1579	Thermal activation in Au-based bulk metallic glass characterized by high-temperature nanoindentation. 2007 , 90, 061911	38
1578	Anomalous compression behavior in lanthanum/ceium-based metallic glass under high pressure. 2007 , 104, 13565-8	80
1577	Thermal conductivity of an alloy in relation to the observed cooling rate and glass-forming ability. 2007 , 87, 1845-1854	18
1576	Local temperature rises during mechanical testing of metallic glasses. 2007 , 22, 419-427	81
1575	Criterion for predicting the glass-forming ability of alloys. 2007 , 90, 111915	45
1574	Mechanical properties of bulk metallic glasses and composites. 2007 , 22, 285-301	341
1573	Effects of Addition of Al, Ti and Ag on Glass-Forming Ability of Cu50Zr50 Alloy. 2007 , 561-565, 1333-1336	2

1572	New Bulk Metallic Glasses for Applications as Magnetic-Sensing, Chemical, and Structural Materials. <i>MRS Bulletin</i> , 2007 , 32, 651-658	3.2	180
1571	An extended criterion for estimation of glass-forming ability of metals. 2007 , 22, 1378-1383		26
1570	Phase stability and consolidation of glassy/nanostructured Al ₈₅ Ni ₉ Nd ₄ Co ₂ alloys. 2007 , 22, 1145-1155		17
1569	Deformation kinetics in Zr-based bulk metallic glasses and its dependence on temperature and strain-rate sensitivity. 2007 , 87, 695-704		52
1568	Correlation between fragility and glass-forming ability/plasticity in metallic glass-forming alloys. 2007 , 91, 031907		86
1567	Compressive Deformation and Fracture of a Hollow Bulk-Metallic Glass. 2007 , 9, 147-150		7
1566	Processing Routes, Microstructure and Mechanical Properties of Metallic Glasses and their Composites. 2007 , 9, 443-453		39
1565	Inhomogeneous Deformation in Compression [Comparison of Two Bulk-Metallic Glasses]. 2007 , 9, 959-962		7
1564	Bulk Metallic Glass with Benchmark Thermoplastic Processability. 2007 , 19, 4272-4275		106
1563	Specific volume and elastic properties of glassy, icosahedral quasicrystalline and crystalline phases in Zr ₄₀ Ni ₄₀ Cu ₁₀ Al ₁₀ Pd alloy. 2007 , 55, 1009-1015		19
1562	XPS study on the surface films of a newly designed Ni-free Ti-based bulk metallic glass. 2007 , 55, 2057-2063		74
1561	Thermomechanical instability analysis of inhomogeneous deformation in amorphous alloys. 2007 , 55, 2319-2327		58
1560	Temperature, strain rate and reinforcement volume fraction dependence of plastic deformation in metallic glass matrix composites. 2007 , 55, 3059-3071		47
1559	Influence of similar atom substitution on glass formation in (La _{1-x} Ca _x)Al ₁₀₀ bulk metallic glasses. 2007 , 55, 3719-3726		149
1558	Stress-induced structural transformation and shear banding during simulated nanoindentation of a metallic glass. 2007 , 55, 4317-4324		124
1557	La-based bulk metallic glasses with critical diameter up to 30 mm. 2007 , 55, 4409-4418		106
1556	Identification of compositions with highest glass forming ability in multicomponent systems by thermodynamic and topological approaches. 2007 , 449-451, 211-214		17
1555	Mechanical properties and corrosion behavior of (Cu _{0.6} Hf _{0.25} Ti _{0.15}) ₉₀ Nb ₁₀ bulk metallic glass composites. 2007 , 449-451, 230-234		8

1554	The effect of high temperature plastic deformation on the thermal stability and microstructure of Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀ bulk metallic glass. 2007 , 449-451, 949-953	18
1553	Mechanical properties of Fe ₇₅ Ni ₁₀ Cr ₅ Si ₅ B bulk glassy alloy. 2007 , 449-451, 181-184	16
1552	Flow characteristics and formability of a bulk metallic glass with a wide undercooled liquid region. 2007 , 449-451, 941-944	14
1551	Parameters governing glass formation: A view from phase selection. 2007 , 449-451, 63-65	2
1550	Evidence for effect of hydrostatic pressure during casting on glass-forming ability in Zr ₆₅ Al _{7.5} Ni ₁₀ Cu _{17.5} Pd _x (x=0-7.5) alloys. 2007 , 449-451, 903-906	10
1549	Crystallization kinetics and thermal stability of the Zr ₆₀ Al _{7.5} Cu _{17.5} Ni ₁₀ Si ₄ B ₁ amorphous alloy studied by isothermal differential scanning calorimetry and transmission electron microscopy. 2007 , 449-451, 511-516	6
1548	Nanomechanical properties of embedded dendrite phase and its influence on inelastic deformation of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ glassy alloy. 2007 , 449-451, 945-948	4
1547	Fatigue-resistance enhancements by glass-forming metallic films. 2007 , 468-470, 246-252	34
1546	The effect of the addition of Ta on the structure, crystallization and mechanical properties of Zr ₅₀ Cu ₂₀ Ni ₁₀ Al ₁₀ Ta bulk metallic glasses. 2007 , 445-446, 697-706	30
1545	Processing of diamond-reinforced bulk metallic glass composites. 2007 , 447, 298-302	3
1544	Self-assembled bulk metallic glass composite prepared by electro discharge bonding technique. 2007 , 447, 319-323	3
1543	Effect of additional elements on mechanical properties of a specially constituted Zr-based alloy. 2007 , 447, 167-173	15
1542	Production of bulk glassy alloy foams by high pressure hydrogen. 2007 , 447, 254-260	4
1541	Improved mechanical properties of bulk glassy alloys containing spherical pores. 2007 , 471, 144-150	30
1540	A new way of designing bulk metallic glasses in Cu ₄₀ Ti ₂₀ Zr ₂₀ Ni system. 2007 , 448, 15-19	28
1539	Deformation-strengthening during rolling Cu ₆₀ Zr ₂₀ Ti ₂₀ bulk metallic glass. 2007 , 457, 94-99	22
1538	Effects of additional Ag on the thermal stability and glass-forming ability of Cu ₅₀ Zr binary glassy alloys. 2007 , 459, 330-336	49
1537	Tribological and mechanical properties of high power laser surface-treated metallic glasses. 2007 , 471, 155-164	65

1536	A study of glass-formation, formation of the supercooled liquid and devitrification behavior of Ni-based bulk glass-forming alloys. 2007 , 449-451, 198-202	5
1535	Mechanical properties and microstructure of commercial amorphous golf club heads made of ZrTiCuNiBe bulk metallic glass. 2007 , 449-451, 126-129	7
1534	Mechanical behavior and microstructure of Cu ₅₄ Zr ₂₂ Ti ₁₈ Ni ₆ bulk metallic glass at elevated temperatures. 2007 , 449-451, 122-125	4
1533	Influence of oxygen on the devitrification of ZrTiNbCuNiAl metallic glasses. 2007 , 449-451, 493-496	7
1532	Effect of relaxation on pressure sensitivity index in a Zr-based metallic glass. 2007 , 460-461, 58-62	28
1531	Stress distribution of bulk metallic glass/metal laminate composites during uni-axial fracture. 2007 , 460-461, 377-382	7
1530	Thermal expansion of an amorphous alloy. Reciprocal-space versus real-space distribution functions. 2007 , 388, 290-293	5
1529	The thermal stability and mechanical behaviors of ZrCuNiTiBe bulk metallic glasses. 2007 , 182, 257-261	5
1528	Effect of Aluminium Addition on Glass Forming Ability of Nd _{55-x} Al _{10+x} Fe ₁₅ Co ₂₀ (x = 0, 5, 10) Alloys. 2007 , 25, 619-623	2
1527	Materials science: metal turned to glass. 2007 , 448, 758-9	5
1526	Towards a theoretical picture of dense granular flows down inclines. 2007 , 6, 99-108	88
1525	Metallic glasses. The changing faces of disorder. 2007 , 6, 181-2	30
1524	Tensile ductility and necking of metallic glass. 2007 , 6, 735-9	453
1523	Vitrification of a monatomic metallic liquid. 2007 , 448, 787-90	178
1522	Synthesis and characterization of particulate reinforced Mg-based bulk metallic glass composites. 2007 , 61, 2217-2221	17
1521	Metallic glass/polymer composites by co-processing at similar viscosities. 2007 , 56, 289-292	21
1520	In situ formation of two glassy phases in the NdZrAlCo alloy system. 2007 , 56, 197-200	73
1519	Bulk metallic glass/graphite composites. 2007 , 56, 1079-1082	37

1518	Room-temperature nanoindentation measurements of La-based bulk metallic glass. 2007 , 57, 149-152	7
1517	Deformation-induced transformations in Ti60Fe20Co20 alloy. 2007 , 57, 445-448	29
1516	Blow molding of bulk metallic glass. 2007 , 57, 341-344	87
1515	In situ formation of dual amorphous phases with nanoscale fractal morphology by ion beam mixing in the ternary YNbCo system. 2007 , 57, 583-586	4
1514	Nanostructure-dendrite composites in the FeZr binary alloy system exhibiting high strength and plasticity. 2007 , 57, 1153-1156	100
1513	Correlation between local structure of melts and glass forming ability for Al-based alloys: A first-principles study. 2007 , 91, 081907	16
1512	Micro-forming characteristics of a Zr-based amorphous alloy with a gear-like mold. 2007 , 13, 433-437	13
1511	Cooling rate dependent as-cast microstructure and mechanical properties of Zr-based metallic glasses. 2007 , 42, 4233-4239	8
1510	Fracture of a Commercial Zr41.2Ti13.8Cu12.5Ni10.0Be22.5 Bulk-Metallic Glass. 2007 , 38, 2001-2005	5
1509	Microstructure and mechanical properties of bulk MgZnCa amorphous alloys and amorphous matrix composites. 2008 , 487, 301-308	43
1508	Synthesis and properties of bulk metallic glasses in the ternary NiNbZr alloy system. 2008 , 492, 221-229	31
1507	Structural investigation of NiNbTiZrCoCu glassy samples prepared by different welding techniques. 2008 , 148, 88-91	19
1506	Effects of Al and Ti additions on the thermal stability, glass-forming ability and mechanical properties of Ni60Nb20Zr20 glassy alloy. 2008 , 148, 114-118	11
1505	Solid-state amorphization of Cu + Zr multi-stacks by ARB and HPT techniques. 2008 , 43, 7457-7464	14
1504	Numerical study of pile-up in bulk metallic glass during spherical indentation. 2008 , 51, 379-386	3
1503	Physical aging in Zr46.75Ti8.25Cu7.5Ni10Be27.5 typical bulk metallic glass manifested as enthalpy relaxation. 2008 , 51, 356-364	3
1502	Pd-Si binary bulk metallic glass. 2008 , 51, 414-420	38
1501	Comparison of shear banding in BMGs due to thermal-softening and free volume creation. 2008 , 51, 1367-1379	5

1500	Zirconium based bulk metallic glass / tungsten fibre composite [Fabrication and characterization. 2008 , 61, 27-32	1
1499	Rate-Dependent Temperature Increases in Shear Bands of a Bulk-Metallic Glass. 2008 , 39, 1822-1830	25
1498	Development and Characterization of Low-Density Ca-Based Bulk Metallic Glasses: An Overview. 2008 , 39, 1888-1900	64
1497	Thermodynamic and Topological Modeling and Synthesis of Cu-Zr-Ti-NiBased Bulk Metallic Glasses by Mechanical Alloying. 2008 , 39, 1543-1551	22
1496	Structural Relaxation of La ₅₅ Al ₂₅ Ni ₁₀ Cu ₁₀ Bulk Metallic Glass. 2008 , 39, 1953-1957	26
1495	Rate-Dependent Deformation Behavior of Zr-Based Metallic-Glass Coatings Examined by Nanoindentation. 2008 , 39, 1862-1867	31
1494	Development of bulk metallic glasses based on the Dy-Al binary eutectic composition. 2008 , 26, 813-816	1
1493	Deformation behavior, corrosion resistance, and cytotoxicity of Ni-free Zr-based bulk metallic glasses. 2008 , 86, 160-9	53
1492	Size Effect on Shear Fracture and Fragmentation of a Fe _{57.6} Co _{14.4} B _{19.2} Si _{4.8} Nb ₄ Bulk Metallic Glass. 2008 , 10, 727-730	22
1491	Effects of Temperatures on Inhomogeneous Plastic Flows of a Bulk-Metallic Glass. 2008 , 10, 1016-1019	2
1490	Consecutive Nucleation Events During Divetrification of Zr _{52.5} Cu _{17.9} Ni _{14.6} Al ₁₀ Ti ₅ Bulk Metallic Glass. 2008 , 10, 1043-1047	4
1489	Investigations of the Factors that Affected Fatigue Behavior of Zr-Based Bulk-Metallic Glasses. 2008 , 10, 1030-1033	16
1488	Intrinsic and Extrinsic Factors Influencing the Glass-Forming Ability of Alloys. 2008 , 10, 1008-1015	30
1487	Glass formation and local structure evolution in rapidly cooled PdNi alloy melt under high pressure. 2008 , 372, 708-711	9
1486	Metal direct nanoimprinting for photonics. 2008 , 85, 419-424	44
1485	Stress-induced martensitic transformations in CuZrAl bulk metallic glass forming alloys. 2008 , 479, 31-36	18
1484	Structure and properties of high strength and ductile Ti ₄₀ Be ₁₀ Cu ₁₀ Nb ₃₀ alloys. 2008 , 497, 126-131	20
1483	Evolution of shear bands in bulk metallic glasses under dynamic loading. 2008 , 56, 2171-2187	36

1482	Identification of bulk metallic glass-forming compositions in La-based systems using ultrahigh gravitational acceleration. 2008 , 56, 651-658	2
1481	Shear deformation and plasticity of metallic glass under multiaxial loading. 2008 , 56, 894-904	27
1480	A computational analysis of the deformation mechanisms of a nanocrystalline metallic glass composite. 2008 , 56, 995-1000	46
1479	Zr(Cu,Ag)Al bulk metallic glasses. 2008 , 56, 1785-1796	209
1478	Mechanical properties and rolling behaviors of nano-grained copper with embedded nano-twin bundles. 2008 , 56, 2429-2440	180
1477	ZrTi-based Be-bearing glasses optimized for high thermal stability and thermoplastic formability. 2008 , 56, 2625-2630	44
1476	Interface structure and properties of a brass-reinforced Ni ₅₉ Zr ₂₀ Ti ₁₆ Si ₂ Sn ₃ bulk metallic glass composite. 2008 , 56, 3077-3087	25
1475	Hardness and shear band evolution in bulk metallic glasses after plastic deformation and annealing. 2008 , 56, 5202-5213	93
1474	Characteristic studies on the Zr-based metallic glass thin film fabricated by magnetron sputtering process. 2008 , 202, 5564-5566	24
1473	Surface characteristics of high corrosion resistant NiNbZrTiTa glassy alloys for nuclear fuel reprocessing applications. 2008 , 10, 1408-1410	13
1472	Metallic glass formation reactions and interfaces. 2008 , 148, 171-178	6
1471	Synthesis and properties of CuZrAgAl glassy alloys with high glass-forming ability. 2008 , 148, 92-96	68
1470	Basic mechanical behaviors and mechanics of shear banding in BMGs. 2008 , 35, 704-716	73
1469	Deformation and damage evolution of tungsten fiber reinforced metallic glass matrix composite induced by compression. 2008 , 483-484, 164-167	8
1468	Wear behavior of a series of Zr-based bulk metallic glasses. 2008 , 475, 124-127	27
1467	Formation and properties of new NiTa-based bulk glassy alloys with large supercooled liquid region. 2008 , 485, 690-694	8
1466	Fatigue behavior of Zr-based bulk-metallic glasses. 2008 , 494, 314-323	41
1465	Orientation effect of pre-introduced shear bands in a bulk-metallic glass on its work-ductilising. 2008 , 496, 285-290	47

1464	Glass-transition behavior of Ni: Calculation, prediction, and experiment. 2008 , 104, 123529	24
1463	Preparation and Thermal Stability of Zr-Al-Ni-Cu-Nb Bulk Amorphous Alloy Matrix Composites. 2008 , 37, 391-395	
1462	Designing metallic glass matrix composites with high toughness and tensile ductility. 2008 , 451, 1085-9	1155
1461	Compositional dependence of thermal, elastic, and mechanical properties in Cu ₅₀ Zr ₅₀ Ag bulk metallic glasses. 2008 , 58, 159-162	51
1460	Lightweight Ti-based bulk metallic glasses excluding late transition metals. 2008 , 58, 465-468	90
1459	Effect of Nb on the glass-forming ability of mechanically alloyed Fe ₅₀ Ni ₃₀ Zr ₁₀ B alloys. 2008 , 58, 508-511	44
1458	Free-volume-induced enhancement of plasticity in a monolithic bulk metallic glass at room temperature. 2008 , 59, 75-78	100
1457	Shear fracture of bulk metallic glasses with controlled applied normal stresses. 2008 , 59, 111-114	18
1456	Hot rolling of bulk metallic glass in its supercooled liquid region. 2008 , 59, 187-190	45
1455	Plastic deformation of a Co-based metallic glass composite with in situ precipitated dendritic phases. 2008 , 59, 603-606	8
1454	Preparation of a Zr-based bulk glassy alloy foam. 2008 , 59, 1071-1074	17
1453	Aluminum-rich bulk metallic glasses. 2008 , 59, 1159-1162	42
1452	Stress-induced softening and hardening in a bulk metallic glass. 2008 , 59, 1210-1213	37
1451	A modified embedded-atom method interatomic potential for the Cu ₅₀ Zr ₅₀ system. 2008 , 23, 1095-1104	35
1450	Glass forming ability and mechanical properties of Zr ₅₀ Cu ₄₂ Al ₈ bulk metallic glass. 2008 , 41, 225410	8
1449	Mechanical Behavior of Metallic Glasses: Microscopic Understanding of Strength and Ductility. 2008 , 38, 445-469	468
1448	Lattice contraction during amorphization by mechanical alloying. 2008 , 104, 103503	9
1447	Influence of thermodynamics and local geometry on glass formation in Zr based alloys. 2008 , 93, 061903	6

1446	Experimental characterization of shear transformation zones for plastic flow of bulk metallic glasses. 2008 , 105, 14769-72	419
1445	Temperature, frequency, and amplitude dependence of internal friction of metallic glass. 2008 , 354, 994-1000	11
1444	Formation and properties of RE ₅₅ Al ₂₅ Co ₂₀ (RE=Y, Ce, La, Pr, Nd, Gd, Tb, Dy, Ho and Er) bulk metallic glasses. 2008 , 354, 1080-1088	65
1443	Structural behavior of Cu _x Zr _{100-x} metallic glass (x=35-70). 2008 , 354, 1054-1060	164
1442	Stabilization of metallic glass studied by internal friction measurement. 2008 , 354, 1780-1785	10
1441	Effect of Ti addition on the crystallization behavior and glass-forming ability of Zr-Al-Cu alloys. 2008 , 354, 2054-2059	13
1440	Influence of TM and RE elements on glass formation of the ternary Al-M-RE systems. 2008 , 354, 3473-3479	32
1439	Glass formation ability and mechanical properties of Ti ₄₀ Cu ₄₀ Zr ₁₀ Ni ₁₀ alloy. 2008 , 354, 3653-3658	7
1438	Zr-based bulk metallic glass with super-plasticity under uniaxial compression at room temperature. 2008 , 354, 3742-3746	15
1437	Glass forming ability of the Al-Ce-Ni system. 2008 , 354, 4874-4877	34
1436	Effect of carbon on the microstructural evolution of Zr _{66.7} Ni _{33.3} C (x= 0, 1, 3) alloys during mechanical alloying. 2008 , 354, 3984-3989	15
1435	Properties characterization of the Cu _{68.5} Ni ₁₂ P _{19.5} alloy at elevated temperatures. 2008 , 354, 4019-4023	1
1434	Microstructure and stored energy evolutions during rolling of Cu ₆₀ Zr ₂₀ Ti ₂₀ bulk metallic glass. 2008 , 354, 5353-5362	8
1433	Shear bands evolution in bulk metallic glass with extended plasticity. 2008 , 354, 5570-5572	9
1432	The effect of Al substitution on thermal and mechanical properties of Fe-based bulk metallic glass. 2008 , 454, 370-373	4
1431	Corrosion properties of Co ₄₃ Fe ₂₀ Ta _{5.5} B _{31.5} bulk glassy alloy. 2008 , 460, L11-L13	5
1430	Glass-forming ability and crystallization behavior of some binary and ternary Ni-based glassy alloys. 2008 , 460, 409-413	10
1429	Pitting corrosion of Cu ₇₀ r metallic glasses in hydrochloric acid solutions. 2008 , 462, 60-67	70

1428	Formation of bulk metallic glasses in the FeM ₂ B (M = transition metal) system. 2008 , 460, 708-713	39
1427	Glass forming ability: Miedema approach to (Zr, Ti, Hf)(Cu, Ni) binary and ternary alloys. 2008 , 465, 163-172	81
1426	Real-space structural studies of CuZrTi glassy alloy. 2008 , 466, 106-110	22
1425	Amorphization and crystallization in AlNi ₃ during mechanical milling. 2008 , 466, 189-200	18
1424	An Er-based bulk metallic glass with high thermal stability and excellent magnetocaloric properties. 2008 , 16, 198-201	26
1423	Thermodynamic calculation and experimental investigation of glass formation in ZrNiTi alloy system. 2008 , 16, 262-266	8
1422	High strength ultrafine eutectic FeNiAl composites with enhanced plasticity. 2008 , 16, 642-650	89
1421	Analyses of shear band emission in a Mg-based bulk metallic glass deformed at different nanoindentation rates. 2008 , 16, 676-681	10
1420	Formation of Zr _{66.7} Al _{11.1} Ni _{22.2} noncrystalline alloys demonstrated by molecular dynamics simulations based on distorted plastic crystal model. 2008 , 16, 819-826	12
1419	Flow serration in a Zr-based bulk metallic glass in compression at low strain rates. 2008 , 16, 813-818	175
1418	Bypassing shear band nucleation and ductilization of an amorphous-crystalline nanolaminate in tension. 2008 , 16, 1156-1159	38
1417	Influence of topology on vibrational dynamics of Pd-based bulk metallic glasses. 2008 , 42, 619-624	1
1416	Glass formation and local structure evolution in rapidly cooled Pd ₅₅ Ni ₄₅ alloy melt: Molecular dynamics simulation. 2008 , 42, 713-716	10
1415	Cluster evolution in the rapid cooling process of CuAg melts under high pressure: Molecular-dynamics simulation. 2008 , 43, 732-735	25
1414	On the deformation and fracture behaviour of a Zr-based glassy alloy. 2008 , 88, 2979-2987	20
1413	Optimizing chemistry of bulk metallic glasses for improved thermal stability. 2008 , 16, 075010	19
1412	Glass Forming Ability of Metallic Glasses Evaluated by a New Criterion. 2008 , 25, 3459-3462	9
1411	Propagation of shear bands in a Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass. 2008 , 23, 6-12	31

1410	Fracture behavior of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass under quasi-static and dynamic compression. 2008 , 23, 1744-1750	26
1409	Thermal conductivity of metallic glassy alloys and its relationship to the glass forming ability and the observed cooling rates. 2008 , 23, 2283-2287	11
1408	Preparation of Zr ₆₀ Ni ₂₁ Al ₁₉ bulk metallic glass and compression behavior under high pressure. 2008 , 23, 2346-2349	5
1407	Influence of casting temperature on the thermal stability of Cu- and Zr-based metallic glasses: Theoretical analysis and experiments. 2008 , 23, 2714-2719	19
1406	Thermodynamic and kinetic fragilities of Mg-based bulk metallic glass-forming liquids. 2008 , 23, 2816-2820	9
1405	Temperature increases caused by shear banding in as-cast and relaxed Zr-based bulk metallic glasses under compression. 2008 , 23, 2967-2974	7
1404	Laser deposition of a Cu-based metallic glass powder on a Zr-based glass substrate. 2008 , 23, 2692-2703	49
1403	Correlation between plasticity and fragility in Mg-based bulk metallic glasses with modulated heterogeneity. 2008 , 104, 023520	34
1402	Inhomogeneous deformation in metallic glasses. 2008 , 24, 379-391	13
1401	Direct Comparisons of the Fatigue Behavior of Bulk-Metallic Glasses and Crystalline Alloys. 2008 , 378-379, 329-338	3
1400	Influence of cooling rate on the structure and properties of a Cu ₄₇ Ti ₃₃ Ag glassy alloy. 2008 , 23, 515-522	21
1399	Chemical characteristics of the passive surface films formed on newly developed Cu ₄₇ Ag ₄₁ Al bulk metallic glasses. 2008 , 23, 2091-2098	20
1398	Plasticity of bulk metallic glasses improved by controlling the solidification condition. 2008 , 23, 941-948	42
1397	Long-Term Thermal Stability of Binary Cu 50.3 Zr 49.7 Bulk Metallic Glass. 2008 , 25, 306-309	3
1396	Effect of excess electrons on hexagonal close-packed Mg and the model clusters for bulk metallic glasses. 2008 , 41, 155424	1
1395	A Modified Free Volume Model for Characterizing of Rate Effect in Bulk Metallic Glasses. 2008 , 25, 1052-1055	3
1394	Energy dissipation in fracture of bulk metallic glasses via inherent competition between local softening and quasi-cleavage. 2008 , 88, 407-426	165
1393	Achieving large macroscopic compressive plastic deformation and work-hardening-like behavior in a monolithic bulk metallic glass by tailoring stress distribution. 2008 , 92, 211905	35

1392	A kinetic model for liquids: Relaxation in liquids, origin of the Vogel–Tamman–Fulcher equation, and the essence of fragility. 2008 , 104, 113538	14
1391	Assessing plastic shear resistance of bulk metallic glasses under nanoindentation. 2008 , 92, 101925	16
1390	Atomic structure and glass forming ability of Cu ₄₆ Zr ₄₆ Al ₈ bulk metallic glass. 2008 , 104, 093519	46
1389	CaLi-based bulk metallic glasses with multiple superior properties. 2008 , 93, 171907	35
1388	Write and erase mechanisms for bulk metallic glass. 2008 , 92, 031901	64
1387	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. 2008 , 103, 044907	19
1386	High tensile strength reliability in a bulk metallic glass. 2008 , 92, 041905	36
1385	Effect of local chemistry, structure and length scale of heterogeneities on the mechanical properties of a Ti ₄₅ Cu ₄₀ Ni _{7.5} Zr ₅ Sn _{2.5} bulk metallic glass. 2008 , 88, 75-81	23
1384	New class of plastic bulk metallic glass. 2008 , 100, 075501	169
1383	Local organization and atomic clustering in multicomponent amorphous steels. 2008 , 78,	30
1382	Effect of carbon addition on the glass-forming ability of mechanically alloyed Fe-based alloys. 2008 , 103, 013504	18
1381	Enhancement of plasticity in Ti-rich Ti ₄₀ Zr ₃₀ Be ₁₀ Ni ₁₀ Al ₁₀ bulk glassy alloy via introducing the structural inhomogeneity. 2008 , 23, 2984-2989	22
1380	Glass Forming Ability and Mechanical Properties of New Ni-Based Bulk Metallic Glasses. 2008 , 49, 494-497	3
1379	Strain distribution in Zr _{64.13} Cu _{15.75} Ni _{10.12} Al ₁₀ bulk metallic glass investigated by in situ tensile tests under synchrotron radiation. 2008 , 104, 013522	53
1378	Effects of compression cycles on the atomic mobility in metallic glasses. 2009 , 79,	7
1377	Enhancing plasticity of Zr _{46.75} Ti _{8.25} Cu _{7.5} Ni ₁₀ Be _{27.5} bulk metallic glass by precompression. 2009 , 95, 071906	20
1376	Thermal conductivity and interface thermal conductance of amorphous and crystalline Zr ₄₇ Cu ₃₁ Al ₁₃ Ni ₉ alloys with a Y ₂ O ₃ coating. 2009 , 94, 081912	15
1375	Giant changes in atomic dynamics on microalloying metallic melt. 2009 , 95, 191907	24

1374	Homogeneous deformation of Au-based metallic glass micropillars in compression at elevated temperatures. 2009 , 94, 061911	20
1373	Thermodynamic origins of shear band formation and the universal scaling law of metallic glass strength. 2009 , 103, 065504	112
1372	Simulation of reduced glass transition temperature of Cu ₂ Zr alloys by molecular dynamics. 2009 , 105, 064913	5
1371	TEM INVESTIGATION ON CRYSTALLIZATION BEHAVIOR OF A Fe ₆₈ C _{10.5} Si _{4.4} B _{6.5} P _{8.6} Al ₂ BULK METALLIC GLASS. 2009 , 23, 1223-1228	
1370	MECHANICAL PROPERTIES OF BULK METALLIC GLASSES AT CRYOGENIC TEMPERATURES. 2009 , 23, 2703-2722	8
1369	Stationary crack tip fields in elastic-plastic solids: an overview of recent numerical simulations. 2009 , 42, 214005	13
1368	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF TI-BASED METALLIC GLASS MATRIX COMPOSITES. 2009 , 23, 1260-1264	
1367	CHARACTERIZATION OF SHEAR BANDS IN TWO BULK METALLIC GLASSES WITH DIFFERENT INHERENT PLASTICITY. 2009 , 23, 1217-1222	1
1366	MECHANICAL PROPERTY OF A NEW Zr-BASED BULK METALLIC GLASS WITH CERTAIN PLASTICITY AT LOW TEMPERATURE. 2009 , 23, 1331-1336	4
1365	DEVELOPMENT OF HIGH STRENGTH Mg-Cu-Zn ULTRAFINE EUTECTIC COMPOSITES WITH ENHANCED PLASTICITY. 2009 , 23, 947-952	1
1364	Mg ₈₀ (Ni,Gd,Nd) bulk metallic glasses with improved glass-forming ability and mechanical properties. 2009 , 24, 2130-2140	14
1363	Formation and properties of new Cu-based bulk glassy alloys with critical diameters up to 1.5 cm. 2009 , 24, 2935-2940	9
1362	Influence of casting temperature on microstructures and mechanical properties of Cu ₅₀ Zr _{45.5} Ti _{2.5} Y ₂ metallic glass prepared using copper mold casting. 2009 , 24, 3108-3115	14
1361	Enhanced Work Hardening of Cu-Based Bulk Metallic Glass Composites by In Situ Formed Nano-Scale Heterogeneities. 2009 , 633-634, 665-673	2
1360	Room-Temperature Mechanical Characterization of Bulk Glassy and Partially Crystallized Zr ₆₃ Al _{9.7} Ni _{9.7} Cu _{14.6} Nb ₃ Alloys. 2009 , 633-634, 675-683	
1359	Comparison of bulk metallic glass formation between Cu-Hf binary and Cu-Hf-Al ternary alloys. 2009 , 24, 96-106	23
1358	Improving Ductility in Nanostructured Materials and Metallic Glasses: "Three Laws" 2009 , 633-634, 657-663	8
1357	Effect of Ag addition on local structure of Cu ₂ Zr glassy alloy. 2009 , 24, 274-278	19

1356	Homogeneity of the superplastic Zr _{64.13} Cu _{15.75} Ni _{10.12} Al ₁₀ bulk metallic glass. 2009 , 24, 3116-3120	11
1355	GLASS FORMATION IN MECHANICALLY ALLOYED Fe-BASED SYSTEMS. 2009 , 02, 147-155	9
1354	Alloying effects of iridium on glass formation and glass-forming ability of the Zr-Cu-Al system. 2009 , 24, 1619-1623	5
1353	Indentation creep of a Ti-based metallic glass. 2009 , 24, 993-997	28
1352	Fracture toughness study of new Zr-based Be-bearing bulk metallic glasses. 2009 , 60, 80-83	42
1351	Are there two glass transitions in Fe ₅₀ M ₄₅ B (M=Mo, W, Nb) bulk metallic glasses?. 2009 , 60, 152-155	35
1350	Thermoplastic extrusion of bulk metallic glass. 2009 , 61, 28-31	66
1349	Electron irradiation-induced structural transformation in metallic glasses. 2009 , 61, 40-43	26
1348	Ni-free Zr ₆₀ Be ₁₀ Al ₁₀ Cu bulk metallic glasses with high glass-forming ability. 2009 , 61, 241-244	76
1347	Effects of Cu ion irradiation in Cu ₅₀ Zr ₄₅ Ti ₅ metallic glass. 2009 , 61, 265-268	46
1346	A novel structural gradient metallic glass composite with enhanced mechanical properties. 2009 , 61, 608-611	29
1345	New Au-based bulk glassy alloys with ultralow glass transition temperature. 2009 , 61, 744-747	56
1344	A three-parameter Weibull statistical analysis of the strength variation of bulk metallic glasses. 2009 , 61, 923-926	41
1343	Structural changes induced by microalloying in Cu ₄₆ Zr ₄₇ Al ₇ Gdx metallic glasses. 2009 , 61, 967-969	19
1342	Atomic configuration evaluation of Zr ₆₀ Ni ₂₁ Al ₁₉ bulk metallic glass under high pressure. 2009 , 113, 937-940	3
1341	Wetting of polycrystalline W by molten Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ alloy. 2009 , 115, 322-327	11
1340	Extrusion properties of a Zr-based bulk metallic glass. 2009 , 63, 1317-1319	5
1339	Dependence of Ductility on Free Volume in a Cu-Zr-Based Metallic Glass. 2009 , 11, 177-181	18

1338	Mechanical and Fatigue Behavior of Ca ₆₅ Mg ₁₅ Zn ₂₀ Bulk-Metallic Glass. 2009 , 11, 27-34	26
1337	The Coupling Effect of Small Nanocrystals and Free Volume on the Ductility of Cu ₄₆ Zr ₄₇ Al ₇ Bulk Metallic Glass Alloy. 2009 , 11, 374-379	16
1336	Designing Ductile Zr-Based Bulk Metallic Glasses with Phase Separated Microstructure. 2009 , 11, 387-391	22
1335	Transition of Failure Mode and Enhanced Plastic Deformation of Metallic Glass by Multiaxial Confinement. 2009 , 11, 898-901	10
1334	Tribological Studies of a Zr-Based Glass-Forming Alloy with Different States. 2009 , 11, 925-931	8
1333	Evolution of the primary crystals and the amorphous matrix following annealing of a bulk Zr _{56.6} Cu _{17.3} Ni _{12.5} Al _{9.6} Ti ₄ metallic glass. 2009 , 513-514, 8-12	4
1332	Crystallization kinetics of Zr ₆₅ Ag ₅ Cu _{12.5} Ni ₁₀ Al _{7.5} glassy powders produced by ball milling of pre-alloyed ingots. 2009 , 513-514, 279-285	20
1331	The effect of Al on the elastic properties of (Cu _{0.56} Zr _{0.44}) _{100-x} Al _x bulk metallic glasses. 2009 , 518, 16-18	5
1330	Ion irradiation induced nanocrystal formation in amorphous Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ alloy. 2009 , 267, 2827-2831	36
1329	Electrochemical and XPS studies of Ni-based metallic glasses in boiling nitric acid solutions. 2009 , 54, 1612-1617	24
1328	Effects of additional elements (M) on the thermal stability and structure of (Zr _{52.2} Cu _{39.1} Al _{8.7}) _{100-x} M _x (M = Ag, Be, Gd, x = 8, 7, 2) amorphous alloys. 2009 , 44, 3861-3866	16
1327	Quasi-static cyclic loadings induced inelastic deformation in a Zr-based bulk metallic glass under nanoindentation. 2009 , 44, 4930-4938	18
1326	Sliding Tribological Characteristics of a Zr-based Bulk Metallic Glass Near the Glass Transition Temperature. 2009 , 33, 205-210	12
1325	Bulk metallic glasses for biomedical applications. 2009 , 61, 21-29	232
1324	High-temperature nanoindentation: New developments and ongoing challenges. 2009 , 61, 32-36	54
1323	Processing and Behavior of Fe-Based Metallic Glass Components via Laser-Engineered Net Shaping. 2009 , 40, 1235-1245	73
1322	Influence of Casting Parameters on the Critical Casting Size of Bulk Metallic Glass. 2009 , 40, 2377-2387	47
1321	Numerical Calculation of the Cooling Rate in the J-Quenching Technique. 2009 , 40, 405-410	6

1320	Gas Atomization of Amorphous Aluminum: Part I. Thermal Behavior Calculations. 2009 , 40, 768-778	24
1319	Effect of additional Zn on plasticity of large-scale Mg-based nanostructure-dendrite composites. 2009 , 15, 175-178	8
1318	Role of yttrium in glass formation of Ti-based bulk metallic glasses. 2009 , 28, 68-71	10
1317	Thermodynamic modeling of Zr-Ti-Cu-Ni-Be bulk metallic glass. 2009 , 62, 413-416	9
1316	Nanomoulding with amorphous metals. 2009 , 457, 868-72	575
1315	MgZnCa glasses without clinically observable hydrogen evolution for biodegradable implants. 2009 , 8, 887-91	669
1314	HRTEM and TEM studies of amorphous structures in ZrNiTiCu base alloys obtained by rapid solidification or ball milling. 2009 , 40, 1-5	5
1313	Catching Fe-based bulk metallic glass with combination of high glass forming ability, ultrahigh strength and good plasticity in FeCoNiB system. 2009 , 517, 246-248	33
1312	Study of the characteristics and corrosion behavior for the Zr-based metallic glass thin film fabricated by pulse magnetron sputtering process. 2009 , 517, 4930-4933	31
1311	Carbon additive effects on the nanostructure and magnetic property of the CoBeZrB films. 2009 , 517, 4994-4997	
1310	Micro-scratch study of a magnetron-sputtered Zr-based metallic-glass film. 2009 , 203, 3480-3484	46
1309	Strain rate effects on the deformation behavior of (Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀) ₉₉ Y ₁ and Cu ₄₅ Zr _{47.5} Ag _{7.5} bulk metallic glasses. 2009 , 526, 69-73	2
1308	Coupling liquids acoustic velocity effects on elastic metallic bioglass properties. 2009 , 2, 1421-1424	1
1307	On the origin of shear banding instability in metallic glasses. 2009 , 57, 1267-1292	160
1306	Size-dependent shear fracture and global tensile plasticity of metallic glasses. 2009 , 57, 257-266	153
1305	Atomic structure of Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass alloy. 2009 , 57, 376-391	93
1304	ZrCuNiAl bulk metallic glasses with superhigh glass-forming ability. 2009 , 57, 1290-1299	102
1303	Mechanical properties of Al-based metal matrix composites reinforced with Zr-based glassy particles produced by powder metallurgy. 2009 , 57, 2029-2039	194

1302	Formation mechanism of lamellar chips during machining of bulk metallic glass. 2009 , 57, 2730-2738	64
1301	Embrittlement of Zr-based bulk metallic glasses. 2009 , 57, 3572-3583	164
1300	Internal friction of metallic glass measured as function of strain amplitude at various temperatures. 2009 , 521-522, 228-231	4
1299	Proposed long-range empirical potential to study the metallic glasses in the Ni-Nb-Ta system. 2009 , 113, 7282-90	17
1298	Smaller Deborah number inducing more serrated plastic flow of metallic glass. 2009 , 46, 767-771	6
1297	Viscous flow and microforming of a Zr-base bulk metallic glass. 2009 , 17, 200-204	20
1296	Fabrication of CuZr(Al) bulk metallic glasses by high pressure torsion. 2009 , 17, 256-261	32
1295	Kinetics of crystallization process for Pd-based bulk metallic glasses. 2009 , 17, 241-245	16
1294	Nanocrystallization of Zr ₆₁ Al _{7.5} Cu _{17.5} Ni ₁₀ Si ₄ metallic glass. 2009 , 17, 56-64	14
1293	Glass forming ability and stability: Ternary Cu bearing Ti, Zr, Hf alloys. 2009 , 17, 128-135	15
1292	Analysis of plastic strain and deformation mode of a Zr-based two-phase bulk metallic glass in compression. 2009 , 17, 330-335	16
1291	Deformation and fracture behaviors of Co-based metallic glass and its composite with dendrites. 2009 , 17, 445-452	22
1290	Clustered crystalline structures as glassy phase approximants. 2009 , 17, 477-480	18
1289	Progress in studying the fatigue behavior of Zr-based bulk-metallic glasses and their composites. 2009 , 17, 579-590	63
1288	Phase-separated microstructures and shear-banding behavior in a designed Zr-based glass-forming alloy. 2009 , 17, 607-613	44
1287	Atomistic simulation of local rearrangements in Ni ₅₀ Zr ₅₀ metallic glasses subjected to compression cycles. 2009 , 17, 688-695	8
1286	Controlled normal/shear loading and shear fracture in bulk metallic glasses. 2009 , 17, 802-810	8
1285	Effect of microalloying of Nb on corrosion resistance and thermal stability of ZrCu-based bulk metallic glasses. 2009 , 355, 203-207	25

1284	A critical analysis of the glass-forming ability of alloys. 2009 , 355, 355-360	89
1283	Effects of metalloid elements on the glass-forming ability of Fe-based alloys. 2009 , 467, 187-190	34
1282	Effect of silicon addition on the glass-forming ability of a ZrCu-based alloy. 2009 , 468, 187-190	21
1281	Effect of strain rate on compressive behavior of Ti-based bulk metallic glass at room temperature. 2009 , 472, 214-218	52
1280	Effect of B addition to hypereutectic Ti-based alloys. 2009 , 474, 131-133	9
1279	A new criterion for predicting the glass-forming ability of bulk metallic glasses. 2009 , 475, 207-219	96
1278	Effect of titanium addition on crystallization kinetics of lithium borosilicate glass. 2009 , 475, 712-717	13
1277	Glass-formation and hardness of CuMg alloys. 2009 , 483, 50-53	10
1276	Consolidation and mechanical properties of ball milled Zr50Cu50 glassy ribbons. 2009 , 483, 227-230	12
1275	Formation and thermal stability of new ZrCu-based bulk glassy alloys with unusual glass-forming ability. 2009 , 483, 112-115	11
1274	Microwave-induced heating and sintering of metallic glasses. 2009 , 483, 78-81	23
1273	Binding and dispersion behavior of amorphous powders in diamond particles. 2009 , 483, 363-365	2
1272	On the amorphous and nanocrystalline ZrCu and ZrTi co-sputtered thin films. 2009 , 483, 337-340	54
1271	Structure and crystallization kinetics of a Cu50Zr45Ti5 glassy alloy. 2009 , 483, 24-27	19
1270	Effect of similar elements on improving glass-forming ability of LaCe-based alloys. 2009 , 483, 60-63	53
1269	Effects of loading modes on the fatigue behavior of Zr-based bulk-metallic glasses. 2009 , 483, 143-145	22
1268	Designing bulk metallic glass and glass matrix composites in martensitic alloys. 2009 , 483, 97-101	43
1267	Synthesis and characterization of amorphous Zr-based alloys with Ta and W additions. 2009 , 483, 120-124	4

1266	Crystallization kinetics and consolidation of mechanically alloyed Al70Y16Ni10Co4 glassy powders. 2009 , 477, 171-177	40
1265	Thermal and mechanical properties of the Zr53Cu30Ni9Al8 based bulk metallic glass microalloyed with silicon. 2009 , 478, 215-219	38
1264	Fracture surface morphology of Mg-based bulk metallic glass and composite during quasi-static and dynamic compressive deformation. 2009 , 478, 827-830	11
1263	Fractal morphologies of dual amorphous phases observed in YTi(Nb)Co ternary systems upon ion beam mixing. 2009 , 478, L28-L32	2
1262	Nanoindentation study of Ti-based metallic glasses. 2009 , 479, 121-128	35
1261	Fracture behavior of laminated Zr-based bulk metallic glass under bending. 2009 , 479, 242-245	6
1260	Microstructure identification of devitrified CuTiZrNi bulk amorphous alloy. 2009 , 480, 329-333	7
1259	Effects of the partial substitutional alloying elements on the crystallization behavior of Mg65Cu25Gd10 metallic glass: Ag versus Ni. 2009 , 481, 407-410	6
1258	Ti microalloying effect on corrosion resistance and thermal stability of CuZr-based bulk metallic glasses. 2009 , 481, 498-502	25
1257	Synthesis of copper-based bulk metallic glasses in the ternary CuMgCa system. 2009 , 486, L27-L29	15
1256	Molecular dynamics simulation of diffusion in supercooled CuZr alloys. 2009 , 89, 109-126	58
1255	Atomic structure of ZrCu glassy alloys and detection of deviations from ideal solution behavior with Al addition by x-ray diffraction using synchrotron light in transmission. 2009 , 94, 1919-12	50
1254	TENSILE AND COMPRESSIVE MECHANICAL BEHAVIOR OF A CoCrCuFeNiAl0.5 HIGH ENTROPY ALLOY. 2009 , 23, 1254-1259	69
1253	Localized deformation of a Cu46.25Zr45.25Al7.5Er1 bulk metallic glass. 2009 , 42, 065401	6
1252	Glass-forming ability and differences in the crystallization behavior of ribbons and rods of Cu36Zr48Al8Ag8 bulk glass-forming alloy. 2009 , 24, 1886-1895	25
1251	High-strength and ductile glassy-crystal NiCuZrTi composite exhibiting stress-induced martensitic transformation. 2009 , 89, 2887-2901	41
1250	Glass forming abilities of binary Cu100Zrx (34, 35.5, and 38.2 at. %) metallic glasses: A LAMMPS study. 2009 , 105, 043521	39
1249	Atomic-scale heterogeneity of a multicomponent bulk metallic glass with excellent glass forming ability. 2009 , 103, 075502	164

1248	Design Environments and Systems. 2009 , 291-402	1
1247	Microwave-induced heating of a single glassy phase and a two-phase material consisting of a metallic glass and Fe powder. 2009 , 89, 86-94	6
1246	Formation and bioactivation of Zr-Al-Co bulk metallic glasses. 2009 , 24, 2941-2948	89
1245	Evaluation of the local environment for nanoscale quasicrystal formation in Zr(80)Pt(20) glassy alloy using Voronoi analysis. 2009 , 21, 375104	19
1244	Effect of melt temperature on the mechanical properties of bulk metallic glasses. 2009 , 24, 2353-2360	32
1243	Cooling rate, structure, thermal stability and crystallization behaviour of Cu-based bulk glass-forming alloys. 2009 , 144, 012047	3
1242	Enhanced Tensile Strength and Plasticity of Zr-Cu-Al Bulk Glassy Alloys at Cryogenic Temperatures. 2009 , 50, 2685-2690	24
1241	Formation, Thermal Stability, and Mechanical Properties of Glassy Zr60Al10Ni10Cu20 Alloy Rods with Diameters of 18 and 20 mm. 2009 , 50, 2021-2027	10
1240	High-Pressure Torsion of Machining Chips and Bulk Discs of Amorphous Zr50Cu30Al10Ni10. 2010 , 51, 23-26	46
1239	Formation of Metastable Phases and Their Effect on the Glass-Forming Ability of Cu-Hf Binary Alloys. 2010 , 51, 68-71	9
1238	Structural Flexibility of a Pd40Ni40Si5P15 Bulk Metallic Glass. 2010 , 51, 553-556	2
1237	Glassy Formability and Structural Variation of Zr50-xCu50Alx (x=0~25) Alloys with Respect to Icosahedral Short-Range Ordering. 2010 , 51, 1178-1182	5
1236	Enhancement of Plasticity of Highly Density-Fluctuated Cu-Zr Amorphous Alloy. 2010 , 51, 1504-1509	1
1235	Synthesis and Mechanical Properties of New Cu-Based Cu-Zr-Al Glassy Alloys with Critical Diameters up to Centimeter Order. 2010 , 51, 826-829	30
1234	Microstructure and Compressive Properties of In-Situ Martensite CuZr Phase Reinforced ZrCuNiAl Metallic Glass Matrix Composite. 2010 , 51, 1033-1037	15
1233	Interdependence between glass stability and phase formation sequence during crystallization of Zr46.8Ti8.2Cu7.5Ni10Be27.5 bulk glass. 2010 , 101, 601-610	1
1232	Local structural order and single-particle dynamics in metallic glass. 2010 , 74, 640-643	15
1231	Shock compression response of a Zr-based bulk metallic glass up to 110 GPa. 2010 , 108, 083537	17

1230	Elucidation of the crystallization kinetics for sodium-alumino-silicate glasses containing different amounts of manganese oxide. 2010 , 83, 1096-1113	4
1229	Glass forming ability, mechanical and magnetic properties in Fe ₇₀ W ₃ B alloys. 2010 , 527, 1952-1956	26
1228	Structure-property relations in bulk metallic Cu ₇₀ Zr ₃₀ Al alloys. 2010 , 527, 5867-5872	26
1227	Effect of Si addition on glass-forming ability and mechanical properties of Cu ₇₀ Zr ₃₀ Al bulk metallic glass. 2010 , 527, 7192-7196	24
1226	Dynamic mechanical properties of a dual-phase Zr ₂₈ Y ₂₈ Al ₂₂ Co ₂₂ metallic glass. 2010 , 16, 517-522	13
1225	Preparation and thermal stability of Pd _{40.5} Ni _{40.5} Si _x P _{19-x} bulk metallic glasses. 2010 , 17, 204-207	3
1224	Effects of crystallization fractions on mechanical properties of Zr-based metallic glass matrix composites. 2010 , 53, 424-429	13
1223	Effects of cooling rates on the mechanical properties of a Ti-based bulk metallic glass. 2010 , 53, 394-398	30
1222	Glassy metallic plastics. 2010 , 53, 409-414	12
1221	Crystallization and thermal fatigue of ZrTiCuNiBe bulk amorphous alloys heated by laser pulses. 2010 , 53, 419-423	7
1220	Electrochemical corrosion and oxidation resistances of Zr ₆₀ Ni ₂₁ Al ₁₉ bulk amorphous alloys. 2010 , 53, 2223-2226	4
1219	Mechanical response of metallic glasses: Insights from in-situ high energy X-ray diffraction. 2010 , 62, 76-82	16
1218	The fracture toughness of bulk metallic glasses. 2010 , 62, 10-18	121
1217	Bending-fatigue behavior of bulk metallic glasses and their composites. 2010 , 62, 25-33	9
1216	Fatigue and Fracture Behavior of a Ca-Based Bulk-Metallic Glass. 2010 , 41, 1775-1779	5
1215	Formation, Structure, and Crystallization Behavior of Cu-Based Bulk Glass-Forming Alloys. 2010 , 41, 1664-1669	25
1214	Mapping Residual Stress Distributions at the Micron Scale in Amorphous Materials. 2010 , 41, 1743-1751	34
1213	Microstructural Analysis of a Laser-Processed Zr-Based Bulk Metallic Glass. 2010 , 41, 1752-1757	52

1212	Effect of Nb Concentration on Thermal Stability and Glass-Forming Ability of Soft Magnetic (Fe,Co)-Gd-Nb-B Glassy Alloys. 2010 , 41, 1685-1690	3
1211	Roles of In-Situ Forming Hard Particles in a Zr-Based Bulk-Metallic Glass during Monotonic and Cyclic Loading. 2010 , 41, 1799-1804	
1210	Fatigue Softening of (Zr ₅₈ Ni _{13.6} Cu ₁₈ Al _{10.4}) ₉₉ Nb ₁ Bulk Metallic Glass. 2010 , 41, 1787-1791	3
1209	Prediction of Glass-Forming Compositions in Metallic Systems: Copper-Based Bulk Metallic Glasses in the Cu-Mg-Ca System. 2010 , 41, 1699-1705	23
1208	The potential of Zr-based bulk metallic glasses as biomaterials. 2010 , 4, 34-44	27
1207	Glass forming ability of Fe ₇₀ Zr ₁₀ Ni ₁₀ B alloys and bulk permanent magnets derived from amorphous precursor. 2010 , 45, 5543-5546	4
1206	Effect of sample geometry on the deformation behavior of Zr-based bulk metallic glass. 2010 , 45, 6170-6173	6
1205	Effects of gaseous hydrogenation on crystallization behavior of melt-spun Mg ₆₃ Pr ₁₅ Ni ₂₂ amorphous ribbons. 2010 , 99, 191-195	3
1204	Development of novel metallic glass/polymer composite materials by microwave heating in a separated H-field. 2010 , 64, 235-238	8
1203	Improved thermal stability and ductility of flux-treated Pd ₄₀ Ni ₄₀ Si ₄ P ₁₆ BMG. 2010 , 62, 17-20	26
1202	Ta-particulate reinforced Zr-based bulk metallic glass matrix composite with tensile plasticity. 2010 , 62, 278-281	108
1201	Enhanced plastic deformation of Zr _{41.2} Ti _{13.8} Cu _{12.5} Ni ₁₀ Be _{22.5} bulk metallic glass by the optimization of frictional boundary restraints. 2010 , 62, 750-753	21
1200	Processing of bulk metallic glass. 2010 , 22, 1566-97	687
1199	Bulk metallic glass composites with transformation-mediated work-hardening and ductility. 2010 , 22, 2770-3	369
1198	Microstructure and mechanical properties of friction stir welded joint of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass with pure copper. 2010 , 527, 3427-3432	37
1197	Indentation size effect of hardness of metallic glasses. 2010 , 31, 1563-1566	37
1196	Mechanical properties of bulk metallic glasses. 2010 , 55, 759-839	621
1195	Effect of Nb on glass forming ability and plasticity of (TiCu)-based bulk metallic glasses. 2010 , 527, 2486-2491	19

1194	Microstructure and tribological behavior of spark plasma sintered iron-based amorphous coatings. 2010 , 527, 5000-5007	29
1193	Microstructure in a Ni60Pd20P17B3 bulk metallic glass compressively fractured at cryogenic temperature. 2010 , 528, 391-396	4
1192	Ar-ion-milling-induced structural changes of Cu50Zr45Ti5 metallic glass. 2010 , 268, 545-549	18
1191	Laser processing of Fe-based bulk amorphous alloy. 2010 , 205, 2661-2667	70
1190	Effects of drawing on the tensile fracture strength and its reliability of small-sized metallic glasses. 2010 , 58, 2564-2576	32
1189	Shear band evolution and hardness change in cold-rolled bulk metallic glasses. 2010 , 58, 4827-4840	78
1188	Thermal behaviors of Al-based amorphous alloys bearing nanocrystalline In particles. 2010 , 58, 6267-6275	7
1187	Crystallization mechanism of CeAlFeCo bulk metallic glasses. 2010 , 28, 158-160	2
1186	Mechanical properties of cold-rolled Zr60Ti5Ag5Cu12.5Ni10Al7.5 metallic glass. 2010 , 207, 1118-1121	20
1185	Mechanical relaxation in supercooled liquids of bulk metallic glasses. 2010 , 207, 2693-2703	20
1184	Thermal and Mechanical Properties of the (Cu36Zr48Al8Ag8)100-xSix (x = 0-10) Amorphous Alloys. 2010 , 638-642, 1627-1631	2
1183	Crystallization Behavior and Thermal Stability of Two-Glassy Phase ZR-Based Bulk Metallic Glasses. 2010 , 89-91, 562-567	
1182	In situ spherical B2 CuZr phase reinforced ZrCuNiAlNb bulk metallic glass matrix composite. 2010 , 25, 1159-1163	28
1181	Formability and Thermal Stability of Ce 62 Al 15 Fe 8 Co 15 Bulk Metallic Glass. 2010 , 27, 026105	1
1180	Investigation of a ductile and corrosion-resistant Pd79Au1.5Ag3Si16.5 bulk metallic glass. 2010 , 25, 1943-1949	
1179	Interatomic potential to predict the binary metallic glass formation. 2010 , 25, 976-981	4
1178	Identification of Bulk Metallic Forming Compositions through Thermodynamic and Topological Models. 2010 , 649, 67-73	11
1177	Shear band multiplication aided by free volume under three-point bending. 2010 , 25, 283-291	25

1176	Correlation between fracture surface morphology and toughness in Zr-based bulk metallic glasses. 2010 , 25, 982-990	48
1175	Formation of the NiZrAl Ternary Metallic Glasses Investigated by Interatomic Potential through Molecular Dynamic Simulation. 2010 , 79, 064607	7
1174	Experimental Study on the Effect of Normal Stress on the Shear Banding in a Zr-Based Bulk Metallic Glasses. 2010 , 146-147, 424-428	
1173	Magnesium Alloys. 2010 , 39-85	2
1172	A new approach for measuring the pressure sensitivity index of Zr-based metallic glasses using indentation tests. 2010 , 90, 393-401	1
1171	Tensile fracture morphologies of bulk metallic glass. 2010 , 108, 063509	50
1170	Atomically smooth surfaces through thermoplastic forming of metallic glass. 2010 , 97, 101907	49
1169	Effect of Fe on the glass-forming ability, structure and devitrification behavior of ZrCuAl bulk glass-forming alloys. 2010 , 90, 1955-1968	38
1168	Fatigue initiation and propagation behavior in bulk-metallic glasses under a bending load. 2010 , 108, 113512	24
1167	EFFECT OF MINOR Al ADDITION ON GLASS-FORMING ABILITY AND THERMAL STABILITY OF ZrCu BINARY ALLOY. 2010 , 24, 2143-2150	4
1166	Application of the Confusion principle to Sn-based materials as negative electrode materials for Li-ion batteries. 2010 , 88, 131-135	2
1165	The Role of Casting Temperature in Preparation of Bulk Metallic Glasses. 2010 , 638-642, 1671-1676	
1164	Shear band evolution during large plastic deformation of brittle and ductile metallic glasses. 2010 , 90, 573-579	7
1163	Medium range ordering and its effect on plasticity of FeMnB ₂ Nb bulk metallic glass. 2010 , 90, 2619-2633	25
1162	Processing, Characterization and Properties of Specially Constituted Zr-Based Bulk Amorphous Alloys. 2010 , 442, 41-51	2
1161	Role of Alloying Additions in Glass Formation and Properties of Bulk Metallic Glasses. 2010 , 3, 5320-5339	42
1160	Effects of minor addition on glass forming ability: Thermal versus elastic criteria. 2010 , 107, 053515	7
1159	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. 2010 , 107, 09A319	13

1158	Proposed truncated Cu ₄₁ Zr ₅₉ tight-binding potential to study the crystal-to-amorphous phase transition. 2010 , 108, 063510	6
1157	Devitrification Behavior and Crystal-Glassy Mixed-Phase Structures Observed in Partially Crystallized Cu-Based Glassy Alloys. 2010 , 1-8	
1156	Evidence for a simple monatomic ideal glass former: the thermodynamic glass transition from a stable liquid phase. 2010 , 133, 174502	15
1155	On the atomic structure of Zr ₅₀ Ni ₅₀ and Zr ₅₀ Ni ₄₀ Al ₁₀ metallic glasses. 2010 , 108, 023514	24
1154	Mechanical Properties and Structures of High Entropy Alloys and Bulk Metallic Glasses Composites. 2010 , 654-656, 1058-1061	19
1153	Materials science. Shape memory bulk metallic glass composites. 2010 , 329, 1294-5	173
1152	Glass formation in the Pd ₄₀ Si ₆₀ -based alloys. 2010 , 90, 771-779	3
1151	Comparative analysis of glass-formation in binary, ternary, and multicomponent alloys. 2010 , 108, 103511	36
1150	Production, Kinetic Study and Properties of Fe-Based Glass and Its Composites. 2010 , 25, 592-597	17
1149	Thermal and mechanical characterizations of a Zr-based bulk metallic glass composite toughened by in-situ precipitated Ta-rich particles. 2010 , 18, 560-564	30
1148	Single and multi-step phase transformation in CuZr nanowire under compressive/tensile loading. 2010 , 18, 679-687	39
1147	Microstructure and mechanical properties of crystalline particulates dispersed Ni-based metallic glassy composites fabricated by spark plasma sintering. 2010 , 18, 851-858	24
1146	Correlation between thermodynamics and glass forming ability in the Al ₇₀ Ce ₁₀ Ni ₂₀ system. 2010 , 18, 900-906	22
1145	Structural relaxation and self-repair behavior in nano-scaled Zr ₅₀ Ti ₅₀ metallic glass under cyclic loading: Molecular dynamics simulations. 2010 , 18, 954-960	31
1144	Mechanical performance of metallic glasses during nanoscratch tests. 2010 , 18, 1056-1061	35
1143	Tailoring of in situ Ti-based bulk glassy matrix composites with high mechanical performance. 2010 , 18, 1908-1911	19
1142	Strain burst speeds in metallic glass micropillars. 2010 , 18, 1893-1897	3
1141	Multi-phase Al-based ultrafine composite with multi-scale microstructure. 2010 , 18, 1829-1833	45

1140	Thermal stability and corrosion behavior of Cu ₂₀ Zr ₈₀ bulk metallic glass. 2010 , 18, 1954-1957	11
1139	Structural behaviors of single and multiple amorphous alloys deformed by forced cold rolling. 2010 , 18, 1920-1924	9
1138	Effects of residual stress in elastic regime on the surface formability of a Zr-based metallic glass. 2010 , 18, 1916-1919	2
1137	In situ phase separation and flow behavior in the glass transition region. 2010 , 18, 1235-1239	22
1136	Flow serration and shear-band propagation in porous Mo particles reinforced Mg-based bulk metallic glass composites. 2010 , 18, 1240-1243	7
1135	The influence of spark plasma sintering temperature on the mechanical properties and corrosion resistance of Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅ metallic glass powder. 2010 , 18, 2005-2008	10
1134	Formation and mechanical properties of Zr ₅₀ Ni ₅₀ glassy alloys with high glass-forming ability. 2010 , 18, 1851-1855	27
1133	Unusual solidification behavior of a Zr ₅₀ Ni ₅₀ bulk glassy alloy made from low-purity Zr. 2010 , 18, 1531-1536	18
1132	Flow serrations and fracture morphologies of Cu-based bulk metallic glasses in energy release perspective. 2010 , 18, 1648-1652	12
1131	Investigation of mechanical, corrosion and optical properties of an 18 carat Au ₂₀ Cu ₂₀ Si ₂₀ Ag ₂₀ Bd bulk metallic glass. 2010 , 18, 2289-2291	20
1130	Evolution of atomic ordering in metallic glasses. 2010 , 18, 2333-2337	8
1129	Inhomogeneous structure and glass-forming ability in Zr-based bulk metallic glasses. 2010 , 356, 39-45	12
1128	Cooling rate effect of nanomechanical response for a Ti-based bulk metallic glass. 2010 , 356, 966-970	6
1127	The structure of liquid Mg ₅₀ Cu ₅₀ binary alloys. 2010 , 356, 1587-1592	12
1126	Decolorization of azo dye solution by Fe ₄₀ Mo ₁₀ Si ₅₀ B ₁₅ amorphous alloy. 2010 , 356, 1703-1706	88
1125	Zinc-based bulk metallic glasses. 2010 , 356, 1867-1870	27
1124	Mechanical behavior under nanoindentation of a new Ni-based glassy alloy produced by melt-spinning and copper mold casting. 2010 , 356, 2251-2257	11
1123	From atomic and electronic structures of molten multicomponent alloys to their glass-forming ability: First-principles simulations. 2010 , 356, 2807-2812	

1122	Phase separation in NiNb ₅ metallic glasses. 2010 , 495, 299-304	30
1121	Glass formation of alloys selected by lambda and electronegativity criteria in the TiZrBeCo system. 2010 , 495, 316-318	8
1120	Formation and mechanical properties of minor-Sb alloyed Ni ₈ Nb ₅ bulk metallic glasses. 2010 , 491, 513-516	5
1119	Fabrication of ZrAlNiCu bulk metallic glass composites containing pure copper particles by high-pressure torsion. 2010 , 492, 149-152	15
1118	Magnetocaloric effect in rare earth-based bulk metallic glasses. 2010 , 495, 209-216	96
1117	Serrated flow and shear band evolution in a Zr-based bulk metallic glass after plastic deformation and annealing. 2010 , 504, S65-S68	5
1116	Effect of substituting elements on glass-forming ability of the new Zr ₄₈ Cu ₃₆ Al ₈ Ag ₈ bulk metallic glass-forming alloy. 2010 , 504, S18-S21	12
1115	The effect of microalloying on mechanical properties in CuZrAl bulk metallic glass. 2010 , 504, S74-S77	31
1114	Effect of Nb on microstructure and mechanical properties of ultrafine eutectic FeNiBSi composites. 2010 , 504, S487-S490	2
1113	Glass formation in the NbSi binary system. 2010 , 504, S14-S17	3
1112	Corrosion resistance and XPS studies of Ni-rich NiPdBB bulk glassy alloys. 2010 , 504, S172-S175	9
1111	TEM study of the cooling rate dependent crystallization behavior of (Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅) ₉₈ Nb ₂ metallic glass. 2010 , 504, S234-S238	4
1110	Deformation behaviors of a TiZrNiCuBe bulk metallic glass under shock loading. 2010 , 505, 501-504	14
1109	Design induced plastic deformation in Zr-based bulk metallic glass. 2010 , 507, 414-418	12
1108	Effects of pores on shear bands in metallic glasses: A molecular dynamics study. 2010 , 50, 211-217	35
1107	Deformation kinetics of Zr-based bulk metallic glasses—temperature and strain rate influences on shear banding. 2010 , 495, 341-344	5
1106	Superelongation and atomic chain formation in nanosized metallic glass. 2010 , 104, 215503	76
1105	Bulk Metallic Glasses: Formation and Applications. 2010 , 1-6	0

1104	Double-stage glass transition in a metallic glass. 2010 , 81,	33
1103	On the deposition mechanisms and the formation of glassy Cu ₂ Zr thin films. 2010 , 107, 084313	20
1102	Tensile deformation behaviour of Zr-based glassy alloys. 2010 , 90, 139-148	22
1101	Phase Behavior of Athabasca Bitumen. 2011 , 56, 3242-3253	37
1100	Mechanical properties of Nb based multiphase alloy studied by nanoindentation and atomic force microscopy. 2011 , 27, 1770-1776	1
1099	Prediction of favored and optimized compositions for Cu-Zr-Ni metallic glasses by interatomic potential. 2011 , 115, 4703-8	9
1098	A Fe-Based Amorphous Composite Coating on Al Plate by Electrothermal Explosion Spraying. 2011 , 688, 389-394	1
1097	Transformation of precipitated phases in Zr ₅₀ Fe ₃₄ Ni ₄ Al ₁₁ Ag _x alloy master ingots with adding Ag. 2011 , 27, 1632-1638	
1096	. 2011 , 20, 28-36	63
1095	Computer simulation of the matrix-inclusion interphase in bulk metallic glass based nanocomposites. 2011 , 23, 425403	9
1094	Introduction. 2011 , 1-5	1
1093	Modeling the mechanics of amorphous solids at different length scale and time scale. 2011 , 19, 083001	212
1092	Thermal stability and magnetic properties of partially Co-substituted (Fe _{71.2} B ₂₄ Y _{4.8}) ₉₆ Nb ₄ bulk metallic glasses. 2011 , 109, 054901	19
1091	Importance of solute-solute interactions on glass formability. 2011 , 91, 2186-2199	5
1090	The effect of oxidation on the corrosion resistance and mechanical properties of a Zr-based metallic glass. 2011 , 53, 3557-3565	38
1089	Micromirror with large-tilting angle using Fe-based metallic glass. 2011 , 36, 3464-6	8
1088	In situ tensile deformation of Fe-rich metallic glass at elevated temperatures using hard X-ray diffraction. 2011 , 509, S92-S94	1
1087	Predicting glass-forming compositions in the Al _{100-x} and Al _{100-x} Ni systems. 2011 , 509, S170-S174	6

1086	Silver mushroom induced by oxidation in Cu ₄₂ Zr ₄₂ Al ₈ Ag ₈ metallic glasses. 2011 , 509, S219-S222	9
1085	Formation and mechanical properties of Ni-free Zr-based bulk metallic glasses. 2011 , 509, S175-S178	18
1084	Thermodynamics and structural relaxation in Ce-based bulk metallic glass-forming liquids. 2011 , 509, 4569-4573	22
1083	Nitrogen-doping effect on glass formation and primary phase selection in Cu ₄₇ Zr ₄₇ Al ₅ alloys. 2011 , 509, 5033-5037	24
1082	A Ni-free Zr-based bulk metallic glass with remarkable plasticity. 2011 , 509, S109-S114	23
1081	Formation of porous metallic glass compacts by electro-discharge sintering. 2011 , 509, S184-S187	8
1080	Enhanced glass forming ability and refrigerant capacity of a Gd ₅₅ Ni ₂₂ Mn ₃ Al ₂₀ bulk metallic glass. 2011 , 509, 6640-6643	29
1079	Effect of solubility on strengthening of Ag ₁₀ Cu ultrafine eutectic composites. 2011 , 509, 9015-9018	7
1078	Homogeneous deformation of Ti _{41.5} Cu _{37.5} Ni _{7.5} Zr _{2.5} Hf ₅ Sn ₅ Si ₁ bulk metallic glass in the supercooled liquid region. 2011 , 19, 48-53	24
1077	Atomistic structural evolution with cooling rates during the solidification of liquid nickel. 2011 , 19, 630-635	11
1076	Structural relaxation and related viscous flow of Zr ₄₇ Cu ₄₇ Al ₅ -based bulk glasses produced from the melts with different glass-forming ability. 2011 , 19, 1298-1305	14
1075	Significant tensile ductility induced by cold rolling in Cu _{47.5} Zr _{47.5} Al ₅ bulk metallic glass. 2011 , 19, 1394-1398	75
1074	Spherulitic crystallization behavior of a metallic glass at high heating rates. 2011 , 19, 1538-1545	12
1073	Direct measurements of shear band propagation in metallic glasses [An overview]. 2011 , 19, 1968-1977	69
1072	Dissoluble and degradable CaLi-based metallic glasses. 2011 , 357, 236-239	3
1071	Isochronal crystallization kinetics of Cu ₆₀ Zr ₂₀ Ti ₂₀ bulk metallic glass. 2011 , 357, 1182-1187	21
1070	Bulk metallic glasses based on ytterbium and calcium. 2011 , 357, 1232-1234	15
1069	Enhanced plasticity of a Zr ₅₀ Cu ₄₈ Al ₂ bulk metallic glass. 2011 , 357, 1469-1472	4

1068	Microstructural evolution of slowly solidified Cu-Ti-Zr-Ni amorphous alloy. 2011 , 357, 1516-1521	9
1067	New MgLi based MgLiCu(Y, Gd) BMGs: Preparation, glass forming ability and mechanical properties. 2011 , 357, 2182-2186	7
1066	The correlation between the pressure sensitivity and the fragility/glass transition temperature in bulk metallic glasses. 2011 , 357, 3033-3035	3
1065	Improved plasticity of iron-based high-strength bulk metallic glasses by copper-induced nanocrystallization. 2011 , 357, 3002-3005	14
1064	Tensile properties of ZrCu-based bulk metallic glasses at ambient and cryogenic temperatures. 2011 , 357, 3088-3093	17
1063	Coring micron- and milli-scale holes in metallic glasses. 2011 , 357, 3190-3194	15
1062	Formation of metallic glass coatings via laser deposition. 2011 ,	
1061	Mechanical properties and thermal stability of a Cu-based bulk metallic glass microalloyed with silicon. 2011 , 34, 917-923	5
1060	High glass forming ability and good mechanical properties of CuZrAl bulk metallic glasses. 2011 , 15, 310-314	5
1059	Noncrystalline Solids. 2011 ,	
1058	Enhancement of glass-forming ability and corrosion resistance of Zr-based Zr-Ni-Al bulk metallic glasses with minor addition of Nb. 2011 , 110, 023513	13
1057	Synthesis and Properties of Carbon Short Fiber Reinforced ZrCuNiAl Metallic Glass Matrix Composite. 2011 , 52, 412-415	7
1056	Metallic glass electronic structure peculiarities revealed by UHV STM/STS. 2011 , 94, 58-62	10
1055	Enhanced magnetocaloric effect of a partially crystalline Gd ₅₅ Al ₂₀ Ni ₂₅ bulk metallic glass. 2011 , 13, 2086-2089	6
1054	He ion irradiation induced nanocrystallization in Cu ₅₀ Zr ₄₅ Ti ₅ glassy alloy. 2011 , 206, 829-833	21
1053	Hypervelocity impact on Zr ₅₁ Ti ₅ Ni ₁₀ Cu ₂₅ Al ₉ bulk metallic glass. 2011 , 529, 352-360	7
1052	Fluorous materials in microbubble engineering science and technology Design and development of new bubble preparation and sizing technologies. 2011 , 132, 1102-1109	14
1051	Enhancement of plasticity and toughness in monolithic Zr-based bulk metallic glass by heterogeneous microstructure. 2011 , 64, 609-612	16

1050	Realization of high tensile ductility in a bulk metallic glass composite by the utilization of deformation-induced martensitic transformation. 2011 , 65, 304-307	71
1049	Unusual brittle behavior of Pd-based bulk metallic glass. 2011 , 65, 585-587	56
1048	Plasticity enhancement in Zr based bulk metallic glass by sand blasting. 2011 , 126, 207-211	8
1047	Study on continuous casting of bulk metallic glass. 2011 , 65, 2257-2260	15
1046	Effect of TRT process on GFA, mechanical properties and microstructure of Zr-based bulk metallic glass. 2011 , 21, 53-58	2
1045	Phase stability in high entropy alloys: Formation of solid-solution phase or amorphous phase. 2011 , 21, 433-446	984
1044	Beating crystallization in glass-forming metals by millisecond heating and processing. 2011 , 332, 828-33	170
1043	Softening and dilatation in a single shear band. 2011 , 59, 5146-5158	152
1042	Formation and properties of Au-based nanograined metallic glasses. 2011 , 59, 6433-6440	119
1041	Atomic packing symmetry in the metallic liquid and glass states. 2011 , 59, 6480-6488	35
1040	Strategy for pinpointing the formation of B2 CuZr in metastable CuZr-based shape memory alloys. 2011 , 59, 6620-6630	114
1039	Quasi phase transition model of shear bands in metallic glasses. 2011 , 59, 7416-7424	32
1038	Microstructure and tensile properties of high-strength high-ductility Ti-based amorphous matrix composites containing ductile dendrites. 2011 , 59, 7277-7286	109
1037	Influence of melt temperature on the compressive plasticity of a $Zr_{40}Cu_{20}Ni_{10}Al_{10}Nb$ bulk metallic glass. 2011 , 46, 951-956	7
1036	Glass-forming ability and thermoplastic formability of a Pd ₄₀ Ni ₄₀ Si ₄ P ₁₆ glassy alloy. 2011 , 46, 2091-2096	31
1035	Designing copper/zirconium based nanowires for improving yield strength and plasticity by configuring surface atoms. 2011 , 13, 6907-6918	6
1034	Encapsulated Zr-based bulk metallic glass with large plasticity. 2011 , 528, 2988-2994	43
1033	Synthesis, characterization and mechanical properties of nano alumina particulate reinforced magnesium based bulk metallic glass composites. 2011 , 528, 6045-6050	19

1032	Study of mechanical deformation of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass through instrumented indentation. 2011 , 528, 6630-6635	6
1031	Influence of strain-rate on compressive-deformation behavior of a Zr ₄₀ Cu ₂₀ Ni ₁₀ Al bulk metallic glass at cryogenic temperature. 2011 , 528, 6855-6859	19
1030	Shear stability of metallic glasses. 2011 , 27, 560-575	74
1029	Formation of Cu ₄₀ Zr ₆₀ Al bulk metallic glass composites with improved tensile properties. 2011 , 59, 2928-2936	257
1028	A first-principle study of the structural and electronic properties of amorphous Cu-Zr alloys. 2011 , 54, 249-255	10
1027	How does the initial free volume distribution affect shear band formation in metallic glass?. 2011 , 54, 1488-1494	25
1026	Correlation between supercooled liquid region and crystallization behavior with alloy composition of La-Al-Cu metallic glasses. 2011 , 54, 1608-1611	2
1025	Rapid reductive degradation of azo dyes by a unique structure of amorphous alloys. 2011 , 56, 3988-3992	46
1024	Microwave-Induced Sintering of Cu-Based Metallic Glass Matrix Composites in a Single-Mode 915-MHz Applicator. 2011 , 42, 1463-1467	3
1023	Deformation and Fracture Behavior of Metallic Glassy Alloys and Glassy-Crystal Composites. 2011 , 42, 1504-1510	18
1022	Ductile Ti-Based Bulk Metallic Glasses with High Specific Strength. 2011 , 42, 1456-1462	32
1021	Effect of Au Content on Thermal Stability and Mechanical Properties of Au-Cu-Ag-Si Bulk Metallic Glasses. 2011 , 42, 1486-1490	14
1020	Influence of Strain Rate on Compressive Deformation Behavior of a Zr-Cu-Ni-Al Bulk Metallic Glass at Room Temperature. 2011 , 42, 1491-1498	32
1019	The Influence of Deformation-Induced Martensitic Transformations on the Mechanical Properties of Nanocomposite Cu-Zr-(Al) Systems. 2011 , 13, 57-63	16
1018	Periodically Laser Patterned Fe ₇₀ B ₁₀ Si ₂₀ Amorphous Ribbons: Phase Evolution and Mechanical Behavior. 2011 , 13, 955-960	10
1017	Nanolaminates Utilizing Size-Dependent Homogeneous Plasticity of Metallic Glasses. 2011 , 21, 4550-4554	129
1016	Bulk metallic glass: the smaller the better. 2011 , 23, 461-76	356
1015	Variations in atomic structural features of a supercooled Pd ₄₀ Ni ₄₀ Cu ₂₀ glass forming liquid during in situ vitrification. 2011 , 59, 708-716	42

1014	Recent development and application products of bulk glassy alloys?. 2011 , 59, 2243-2267	874
1013	Shear transformation zone volume determining ductileBrittle transition of bulk metallic glasses. 2011 , 59, 2057-2068	89
1012	Elastic and viscoelastic properties of glassy, quasicrystalline and crystalline phases in Zr ₆₅ Cu ₅ Ni ₁₀ Al _{7.5} Pd _{12.5} alloys. 2011 , 59, 2797-2806	39
1011	Responses of bone-forming cells on pre-immersed Zr-based bulk metallic glasses: Effects of composition and roughness. 2011 , 7, 395-405	93
1010	Fabrication of tungsten-based metallic glasses by low purity industrial raw materials. 2011 , 528, 2912-2916	16
1009	Ultra-high strength MgLi based bulk metallic glasses: Preparation and performance research. 2011 , 528, 7156-7160	7
1008	Tension behavior of metallic glass coating on Cu foil. 2011 , 528, 7317-7322	15
1007	Atomistic theory for predicting the binary metallic glass formation. 2011 , 72, 1-28	74
1006	Effect of Al and Ag addition on phase formation, thermal stability, and mechanical properties of CuZr-based bulk metallic glasses. 2011 , 26, 1702-1710	8
1005	Co-based ternary bulk metallic glasses with ultrahigh strength and plasticity. 2011 , 26, 2072-2079	119
1004	Size effects on the fatigue behavior of bulk metallic glasses. 2011 , 110, 113507	21
1003	Design of high T _g Zr-based metallic glasses using atomistic simulation and experiment. 2011 , 91, 3393-3405	2
1002	Inelastic neutron scattering study of the hydrogenated (Zr ₅₅ Cu ₃₀ Ni ₅ Al ₁₀) ₉₉ Y ₁ bulk metallic glass. 2011 , 83,	8
1001	Glass-forming ability and atomic-level structure of the ternary AgNiZr metallic glasses studied by molecular dynamics simulations. 2011 , 109, 053505	6
1000	73 mm-diameter bulk metallic glass rod by copper mould casting. 2011 , 99, 051910	80
999	Size Effect on the Micro-Extrusion Forming of Zr-Based Amorphous Alloys. 2011 , 228-229, 586-591	1
998	Crystallization Kinetics of the Cu _{47.5} Zr _{47.5} Al ₅ Bulk Metallic Glass under Continuous and Iso-Thermal Heating. 2011 , 99-100, 1052-1058	3
997	Effect of processing on Charpy impact toughness of metallic glass matrix composites. 2011 , 26, 1260-1268	13

996	TiCu-Based Bulk Metallic Glasses Exhibiting Large Compressive Plastic Strain . 2011 , 138-139, 624-629	0
995	Bulk nanocrystalline and nanocomposite alloys produced from amorphous phase. 2011 , 152-177	3
994	Formation and Compression Behavior of Two-Phase Bulk Metallic Glasses with a Minor Addition of Aluminum. 2011 , 28, 036103	5
993	Mapping Residual-Stress Distributions in a Laser-Peened Vit-105 Bulk-Metallic Glass Using the Focused-Ion-Beam Micro-Slitting Method. 2011 , 1300, 1	3
992	Binary Ni-Ta Bulk Metallic Glasses Designed by Using a Cluster-Plus-Glue-Atom Model. 2011 , 688, 395-399	1
991	The influence of in situ formed precipitates on the plasticity of Fe-Nb-B-Cu bulk metallic glasses. 2011 , 26, 2080-2086	11
990	Investigation on Dynamic Mechanical Properties of Tungsten Fiber Reinforced Metallic Glass Composite. 2011 , 338, 38-41	
989	Glass-forming ability and mechanical properties of Zr ₇₅ Ni ₂₅ Al _x bulk glassy alloys. 2011 , 26, 533-538	11
988	Ni- and Cu-free Zr ₄₀ Al ₁₀ Ag bulk metallic glasses with superior glass-forming ability. 2011 , 26, 539-546	60
987	Thermophysical properties of undercooled alloys: an overview of the molecular simulation approaches. 2011 , 12, 278-316	19
986	Failure criterion for metallic glasses. 2011 , 91, 4536-4554	40
985	Effects of the Cooling Rate on the Plasticity of Pd 40.5 Ni 40.5 P 19 Bulk Metallic Glasses. 2011 , 28, 116104	9
984	Weibull analysis of fracture strength for Zr ₅₅ Ti ₂ Co ₂₈ Al ₁₅ bulk metallic glass: Tension-Compression asymmetry and porosity effect. 2011 , 26, 2087-2097	20
983	. 2011 ,	1
982	Glass formation, chemical properties and surface analysis of Cu-based bulk metallic glasses. 2011 , 12, 2275-93	10
981	The Effect of Purity of Zirconium Material on Mechanical Properties and Microstructure of Zr-Based Bulk Metallic Glass. 2011 , 189-193, 2897-2902	
980	Plasticity enhancement in centrally confined Zr-based bulk metallic glass. 2012 , 103, 620-623	5
979	Magnetic and Electric Properties of AmorphousCo ₄₀ Fe ₄₀ B ₂₀ Thin Films. 2012 , 2012, 1-5	14

978	Structural and Mechanical Characterization of ZrTiCuNiAl Bulk Metallic Glass. 2011 , 5, 1-11	8
977	Correlation between glass-forming ability, thermal stability, and crystallization kinetics of Cu-Zr-Ag metallic glasses. 2012 , 112, 063503	33
976	Effect of sand blasting on structural, thermal, and mechanical properties of Zr _{58.3} Cu _{18.8} Al _{14.6} Ni _{8.3} bulk metallic glass. 2012 , 103, 870-874	
975	Surface Modification and Characterization of Bulk Amorphous Materials. 2012 , 510-511, 43-50	1
974	Nanosize icosahedral quasicrystal in Mg ₉₀ Ca ₁₀ glass: an ab initio molecular dynamics study. 2012 , 137, 034503	4
973	Local atomic structure in equilibrium and supercooled liquid Zr(75.5)Pd(24.5). 2012 , 137, 044501	22
972	Correlating the supercooled liquid region width with the fragility parameter in bulk metallic glasses. 2012 , 100, 021906	8
971	Ductilizing bulk metallic glass composite by tailoring stacking fault energy. 2012 , 109, 245506	73
970	A Universal Criterion for metallic glass formation. 2012 , 100, 261913	36
969	Machinability of BMG. 2012 , 521, 225-253	2
968	Pronounced ductility in CuZrAl ternary bulk metallic glass composites with optimized microstructure through melt adjustment. 2012 , 2, 032176	31
967	The Effect of Co Addition on Glassy Forming Ability and Soft Magnetic Properties of Fe-Si-B-P Bulk Metallic Glass. 2012 , 508, 112-116	3
966	Super elastic strain limit in metallic glass films. 2012 , 2, 852	59
965	Specific Heat in a Typical Metallic Glass Former. 2012 , 29, 046402	7
964	Enhancement of glass-forming ability of Fe-based bulk metallic glasses with high saturation magnetic flux density. 2012 , 2, 022169	15
963	Microscopic Structural and Dynamical Properties of Amorphous Metallic Alloy Ni ₃₃ Zr ₆₇ at the Temperature T=300K. 2012 , 394, 012012	1
962	Synthesis of single-component metallic glasses by thermal spray of nanodroplets on amorphous substrates. 2012 , 100, 041909	17
961	Characterization of hydrogen-induced structural changes in Zr-based bulk metallic glasses using positron annihilation spectroscopy. 2012 , 27, 2587-2592	3

- 960 Formation and microstructure of Ni_{62-x}Nb₃₈Ti_x (x = 3, 6, 10 at.%) bulk metallic glasses. **2012**, 103, 1096-1101 5
- 959 Direct visualization of Ni-Nb bulk metallic glasses surface: From initial nucleation to full crystallization. **2012**, 101, 181601 9
- 958 Laser-Based Growth of Nanostructured Thin Films. **2012**, 59-83
- 957 Dry sliding tribological behavior of Zr-based bulk metallic glass. **2012**, 22, 585-589 22
- 956 Ab initio molecular dynamics simulation of binary Ni_{62.5}Nb_{37.5} bulk metallic glass: validation of the cluster-plus-glass-atom model. **2012**, 47, 7628-7634 22
- 955 Formation of Cu₇₀Zr₁₀Al₁₀Er bulk metallic glass composites with enhanced deformability. **2012**, 30, 132-138 32
- 954 The effects of annealing temperature and sputtering power on the structure and magnetic properties of the Co-Fe-Zr-B thin films. **2012**, 30, 127-131 6
- 953 Numerical and experimental studies on the shear band intervention in zirconium based bulk metallic glass composites Zr₅₃Cu₂₂Ni₉Al₈Ta₈. **2012**, 30, 111-116 5
- 952 Interface characterization and mechanical properties of BMG/Cu composites prepared by coextrusion. **2012**, 30, 57-64 4
- 951 Theoretical approach to local and effective properties of BMG based matrix-inclusion nanocomposites. **2012**, 30, 40-47 7
- 950 Interpreting temperature evolution of a bulk-metallic glass during cyclic loading through spatial-temporal modeling. **2012**, 29, 1-13 4
- 949 Tensile behavior of amorphous/nanocrystalline ZrCu/Cu multilayered films with graded interfaces. **2012**, 31, 191-195 10
- 948 Saffman-Taylor fingering in nanosecond pulse laser ablating bulk metallic glass in water. **2012**, 31, 325-329 23
- 947 Bending behavior of TiZrNiCuBe bulk metallic glass. **2012**, 541, 359-364 10
- 946 Ideal elasto-plastic behavior in torsional deformation of Zr₄₄Ti₁₁Cu₁₀Ni₁₀Be₂₅ bulk metallic glass. **2012**, 542, 85-89 11
- 945 Development of ultrafine Ti-Fe-Sn in-situ composite with enhanced plasticity. **2012**, 27, 012025 12
- 944 Excellent capability in degrading azo dyes by MgZn-based metallic glass powders. **2012**, 2, 418 99
- 943 Enhanced plasticity of Fe₆₀Nb₃₀(Ni, Cu) bulk metallic glasses by controlling the heterogeneity and elastic constants. **2012**, 536, S70-S73 9

942	Relating Dynamic Properties to Atomic Structure in Metallic Glasses. 2012 , 64, 856-881	89
941	Mechanical behaviours of workhardening and worksoftening bulk metallic glasses. 2012 , 28, 249-255	4
940	Significant plasticity enhancement of ZrCu-based bulk metallic glass composite dispersed by in situ and ex situ Ta particles. 2012 , 551, 249-254	26
939	Effect of B to P concentration ratio on glass-forming ability and soft-magnetic properties in [(Fe _{0.5} Ni _{0.5}) _{0.78} B _{0.22} P _x] ₉₇ Nb ₃ glassy alloys. 2012 , 20, 93-97	22
938	Atomic structure changes and phase transformation behavior in PdBi bulk glass-forming alloy. 2012 , 20, 135-140	13
937	SiC dispersed Fe-based glassy composite cores produced by spark plasma sintering and their high frequency magnetic properties. 2012 , 20, 76-81	20
936	A deep eutectic point in quaternary ZrTiNiCu system and bulk metallic glass formation near the eutectic point. 2012 , 21, 67-74	19
935	The precision replication of a microchannel mould by hot-embossing a Zr-based bulk metallic glass. 2012 , 21, 50-55	31
934	A unified approach to phase and microstructural stability for Fe-ETM alloys through Miedema's model. 2012 , 23, 148-157	16
933	Structural relaxation and crystallization processes in Cu ₅₅ Hf ₂₅ Ti ₁₅ Pd ₅ metallic glassy alloy. 2012 , 23, 177-181	9
932	Hierarchical ultrafine-grained/nanocrystalline Al-based bulk alloy with high strength and large plasticity. 2012 , 23, 199-203	12
931	Evolution of shear bands and fatigue striations in a bulk metallic glass during fatigue. 2012 , 23, 96-100	13
930	Effects of environment on the sliding tribological behaviors of Zr-based bulk metallic glass. 2012 , 25, 115-125	38
929	Induced multiple heterogeneities and related plastic improvement by laser surface treatment in CuZr-based bulk metallic glass. 2012 , 24, 50-55	43
928	Enhanced glass forming ability in Zr-based bulk metallic glasses with Hf Addition. 2012 , 24, 115-119	10
927	Processing of a bulk metallic glass forming alloy based on industrial grade Zr. 2012 , 25, 1-4	37
926	Calculation of glass forming ranges in the ternary YCuAl system and its sub-binaries based on geometric and Miedema's models. 2012 , 26, 72-77	19
925	Microstructure evolution of Zr ₆₅ Al _{7.5} Cu _{12.5} Ni ₁₀ Ag ₅ bulk metallic glass due to rolling and its influence on the thermal stability. 2012 , 513, 75-79	3

924	Comparison of the behavior of Zr(41.2%)Ti(13.8%)Cu(12.5%)Ni(10%)Be(22.5%) amorphous and crystallized mirrors under deuterium ion bombardment. 2012 , 514, 189-194	4
923	Size-dependent flowing characteristics of a Zr-based bulk metallic glass in the supercooled liquid region. 2012 , 523, 146-150	9
922	Plasticity enhancement of Zr-based bulk metallic glasses by direct current electropulsing. 2012 , 525, 68-72	17
921	The effect of Sn addition on the crystallization and thermal stability of Cu ₄₇ Zr _{47.5} Al ₅ metallic glasses. 2012 , 537, 275-279	4
920	On the decolorization property of Fe ₄₀ Mo ₁₀ Si ₁₀ B alloys with different structures. 2012 , 358, 61-64	48
919	Nano-crystallization behavior of Zr _{47.5} Ti _{47.5} Al ₅ bulk glass-forming alloy. 2012 , 358, 145-149	9
918	First-principles study of the binary Ni ₆₀ Ta ₄₀ metallic glass: The atomic structure and elastic properties. 2012 , 358, 1730-1734	8
917	Atomic structure of bulk metallic glasses and their supercooled liquid states probed by high-energy synchrotron light. 2012 , 13, 218-226	2
916	Microstructure and Magnetic Properties of FeNiCuMnTiSn _x High Entropy Alloys. 2012 , 14, 919-922	17
915	Effect of surface roughness on plasticity of Zr _{52.5} Cu _{17.9} Ni _{14.6} Al ₁₀ Ti ₅ bulk metallic glass. 2012 , 22, 1407-1411	4
914	Triple yielding and deformation mechanisms in metastable Cu _{47.5} Zr _{47.5} Al ₅ composites. 2012 , 60, 6000-6012	113
913	First-principles calculations and thermodynamic re-modeling of the Hf ₄₀ W system. 2012 , 38, 92-99	15
912	Ab initio modeling of metallic Pd ₈₀ Si ₂₀ glass. 2012 , 65, 44-47	24
911	Ni- and Be-free Zr-based bulk metallic glasses with high glass-forming ability and unusual plasticity. 2012 , 13, 166-73	18
910	Evaluating Mohr-Coulomb yield criterion for plastic flow in model metallic glasses. 2012 , 358, 3488-3494	18
909	Bulk metallic glass formation: The positive effect of hydrogen. 2012 , 358, 2606-2611	16
908	Relation between ideal and real strengths of metallic glasses. 2012 , 358, 3119-3123	2
907	Undercooling behavior of Zr _{47.5} Ti _{47.5} Al ₅ bulk metallic glasses investigated by in situ synchrotron high energy X-ray diffraction. 2012 , 555, 36-43	7

906	Analysis of dynamic segregation and crystallisation in Mg ₆₅ Cu ₂₅ Y ₁₀ bulk metallic glass using atom probe tomography. 2012 , 556, 558-566	10
905	Correlation of microstructure and tensile properties of Ti-based amorphous matrix composites modified from conventional titanium alloys. 2012 , 558, 558-565	21
904	Nanostructural and Microstructural Aspects of Shear Localization at High-Strain Rates for Materials. 2012 , 111-171	1
903	Influence of tool speeds on dissimilar friction stir spot welding characteristics of bulk metallic glass/Mg alloy. 2012 , 18, 685-689	16
902	Shear Banding in Bulk Metallic Glasses. 2012 , 311-361	4
901	Influence of the Crystalline Phase on Strain-Rate Sensitivity of a Zr-Cu-Ni-Al Bulk Metallic Glass at Room Temperature. 2012 , 43, 5202-5208	2
900	Effects of Dendrite Size on Tensile Deformation Behavior in Zr-Based Amorphous Matrix Composites Containing Ductile Dendrites. 2012 , 43, 3663-3674	14
899	In-Situ Fracture Observation and Fracture Toughness Analysis of Zr-Based Amorphous Alloys Containing Ductile Dendrites. 2012 , 43, 3675-3686	3
898	Effects of Cu, Fe and Co addition on the glass-forming ability and mechanical properties of Zr-Al-Ni bulk metallic glasses. 2012 , 55, 2367-2371	13
897	Formation and mechanical properties of Zr-based bulk metallic glass composites with high oxygen levels. 2012 , 57, 3931-3936	4
896	Interatomic potential to predict the favored and optimized compositions for ternary Cu-Zr-Hf metallic glasses. 2012 , 112, 103518	4
895	Predicted Optimum Composition for the Glass-Forming Ability of Bulk Amorphous Alloys: Application to Cu-Zr-Al. 2012 , 3, 3143-8	29
894	Glass-forming ability and corrosion resistance of Zr-based Zr ₅₀ Ni ₁₀ Al bulk metallic glasses. 2012 , 536, S117-S121	31
893	Glass formability and the Al ₂₀ Au system. 2012 , 92, 655-665	19
892	Influences of Sample Preparation on Nanoindentation Behavior of a Zr-Based Bulk Metallic Glass. 2012 , 5, 1033-1039	19
891	Stability of an amorphous alloy of the Mm-Al-Ni-Cu system. 2012 , 15, 757-762	2
890	The deformation units in metallic glasses revealed by stress-induced localized glass transition. 2012 , 111, 113522	28
889	Ni-free Zr-Cu-Al-Nb-Pd bulk metallic glasses with different Zr/Cu ratios for biomedical applications. 2012 , 100, 1472-82	28

888	Cu ₂ Zr ₂ Al ₂ Ti Bulk Metallic Glass with Enhanced Glass-Forming Ability, Mechanical Properties, Corrosion Resistance and Biocompatibility. 2012 , 14, 195-199	10
887	Densification Behavior and Wear Response of Spark Plasma Sintered Iron-Based Bulk Amorphous Alloys. 2012 , 14, 400-407	18
886	Rapid Degradation of Azo Dye by Fe-Based Metallic Glass Powder. 2012 , 22, 2567-2570	214
885	Suppression of Catastrophic Failure in Metallic Glass/Polyisoprene Nanolaminate Containing Nanopillars. 2012 , 22, 1972-1980	41
884	Designing Zr-Cu-Co-Al Bulk Metallic Glasses with Phase Separation Mediated Plasticity. 2012 , 43, 2598-2603	29
883	Structural Relaxation, Glass Transition, Viscous Formability, and Crystallization of Zr-Cu Based Bulk Metallic Glasses on Heating. 2012 , 43, 2642-2648	11
882	Shear-band arrest and stress overshoots during inhomogeneous flow in a metallic glass. 2012 , 100, 071904	49
881	Synthesis of metallic glasses and metallic glass based composites in the Cu-Mo-Hf system by ion beam mixing. 2012 , 55, 1353-1358	
880	Effect of Ag addition on the thermal stability and glass-forming ability of Zr ₃₅ Ti ₃₀ Cu _{7.5} Be _{27.5} bulk metallic glass. 2012 , 57, 1219-1222	5
879	Formation and biocorrosion behavior of Zr-Al-Co-Nb bulk metallic glasses. 2012 , 57, 1723-1727	10
878	Interface Constraints on Shear Band Patterns in Bonded Metallic Glass Films Under Microindentation. 2012 , 43, 2729-2741	19
877	Mapping the Strain Distributions in Deformed Bulk Metallic Glasses Using Hard X-Ray Diffraction. 2012 , 43, 1558-1563	10
876	Introducing a strain-hardening capability to improve the ductility of bulk metallic glasses via severe plastic deformation. 2012 , 60, 253-260	61
875	Submicron-scale depth profiling of residual stress in amorphous materials by incremental focused ion beam slotting. 2012 , 60, 2337-2349	23
874	Serrated flow and stick-slip deformation dynamics in the presence of shear-band interactions for a Zr-based metallic glass. 2012 , 60, 4160-4171	169
873	Palladium nanostructures from multi-component metallic glass. 2012 , 74, 145-150	41
872	Novel TiCuNiCo composites with high fracture strength and plasticity. 2012 , 33, 226-230	29
871	Deformation and fracture mechanism of materials under the punch loading. 2012 , 74, 232-235	3

870	Cryogenic Charpy impact testing of metallic glass matrix composites. 2012 , 66, 284-287	29
869	Characterization of shear bands/cracks induced by fatigue experiment in a ZrCuAl bulk metallic glass. 2012 , 66, 443-446	7
868	Macroscopic tensile plasticity of bulk metallic glass through designed artificial defects. 2012 , 534, 365-373	75
867	Effect of temperature on the plastic zone size and the shear band density in a bulk metallic glass. 2012 , 535, 48-52	23
866	The effects of changes in test temperature and loading conditions on fracture toughness of a toughened Zr-based bulk metallic glass composite. 2012 , 540, 97-101	7
865	Laser welding of Ti ₄₀ Zr ₂₅ Ni ₃ Cu ₁₂ Be ₂₀ bulk metallic glass. 2012 , 541, 33-37	64
864	Phase stability, microstructure and mechanical properties of Li containing Mg-based bulk metallic glass composites. 2012 , 546, 103-110	4
863	Micro indentation study on Cu ₆₀ Zr ₂₀ Ti ₂₀ metallic glass. 2012 , 550, 160-166	15
862	Phase transformations in Zr-based bulk metallic glass cyclically loaded before plastic yielding. 2012 , 550, 358-362	21
861	Kinetic of glass transition of Zr _{57.2} Al _{21.4} Ni _{21.4} bulk metallic glass. 2012 , 532, 92-95	9
860	Formation of FeNb _x (X=Zr, Ti) amorphous alloys from pure metal elements by mechanical alloying. 2012 , 407, 258-262	15
859	Strasbourg's SOFFT teamSoft functional systems self-assembled from perfluoroalkylated molecular components. 2012 , 134, 90-102	8
858	Thermodynamic behavior of glass-forming metallic supercooled liquids. 2013 , 426, 1-5	1
857	Effects of Sn addition on phase formation and mechanical properties of TiCu-based bulk metallic glass composites. 2013 , 42, 68-76	33
856	Why does pitting preferentially occur on shear bands in bulk metallic glasses?. 2013 , 42, 107-111	12
855	Effects of cryogenic temperatures on mechanical behavior of a Zr ₆₀ Ni ₂₅ Al ₁₅ bulk metallic glass. 2013 , 584, 7-13	18
854	Phase formation in rapid solidified Ag ₃₀ alloys. 2013 , 113, 104308	2
853	Effect of TaW particles on the microstructure and mechanical properties of metastable Cu _{47.5} Zr _{47.5} Al ₅ alloys. 2013 , 587, 372-380	6

852	Dendrite size and tensile ductility in Ti-based amorphous alloys containing ductile dendrites. 2013 , 587, 143-149	5
851	Internal friction in a NiTi-based glassy-crystal alloy. 2013 , 579, 633-637	9
850	Effects of Phosphorus and Carbon Contents on Amorphous Forming Ability in Fe-based Amorphous Alloys Used for Thermal Spray Coatings. 2013 , 44, 2573-2580	7
849	Primary Transformation Kinetics in Zr-Al-Ni-Cu-Pd Bulk Metallic Glass Correlated with Relaxation State. 2013 , 44, 1998-2003	1
848	Zirconium based bulk metallic glass Better resistance to slurry erosion compared to hydroturbine steel. 2013 , 307, 28-34	25
847	Thermal Stability and Transformation-mediated Deformability of CuZrAlNi Bulk Metallic Glass Composite. 2013 , 29, 868-872	3
846	Study of the reversible intermetallic phase: B2-type CuZr. 2013 , 36, 21-24	19
845	Heterogeneous duplex structured TiBnMo alloys with high strength and large plastic deformability. 2013 , 574, 546-551	12
844	Fabrication of amorphous Zr ₄₈ Cu ₃₆ Al ₈ Ag ₈ thin films by ion beam sputtering and their corrosion behavior in SBF for bio implants. 2013 , 572, 163-169	8
843	Tensile behaviors of amorphous-ZrCu/nanocrystalline-Cu multilayered thin film on polyimide substrate. 2013 , 529, 177-180	14
842	Multi-layer laminated Pd-based metallic glass with enhanced plasticity. 2013 , 587, 240-243	14
841	Structure and mechanical properties of Ni-Cu-Ti-Zr composite materials with amorphous phase. 2013 , 114, 773-778	10
840	Comparative analysis of the structure of palladium-based bulk metallic glasses prepared by treatment of melts with flux. 2013 , 55, 1985-1990	5
839	Serrated flow model for metallic glasses under compressive loading. 2013 , 26, 503-508	3
838	Wettability of nanotextured metallic glass surfaces. 2013 , 69, 732-735	28
837	A universal power law for metallic glasses. 2013 , 69, 760-763	7
836	(Liquid+liquid) equilibria of perfluorocarbons with fluorinated ionic liquids. 2013 , 64, 71-79	17
835	Temperature dependence of the short-range order of Cu ₆₅ Zr ₃₅ metallic glass. 2013 , 32, 51-56	22

834	High density of shear bands and enhanced free volume induced in Zr ₇₀ Cu ₂₀ Ni ₁₀ metallic glass by high-energy ball milling. 2013 , 548, 77-81	39
833	Miedema model based methodology to predict amorphous-forming-composition range in binary and ternary systems. 2013 , 550, 483-495	31
832	Cluster-cluster structure transition in Cu ₄₀ Ge melts. 2013 , 51, 44-54	
831	Crystallization characteristics of the Mg-rich metallic glasses in the CaMgZn system. 2013 , 552, 88-97	18
830	Tribological studies of a Zr-based bulk metallic glass. 2013 , 35, 25-32	34
829	A thermoplastic forming map of a Zr-based bulk metallic glass. 2013 , 61, 1921-1931	78
828	Phase competition of Cu ₆₄ Zr ₃₆ and its effect on glass forming ability of the alloy. 2013 , 48, 11-15	14
827	Processing metallic glasses by selective laser melting. 2013 , 16, 37-41	258
826	Size Effect of Thermal Stability of Zr ₄₇ Ti _{12.9} Cu ₁₁ Ni _{9.6} -Be _{16.7} Nb _{2.8} Metallic Glass. 2013 , 42, 2217-2221	4
825	Cavitation instabilities in bulk metallic glasses. 2013 , 50, 1364-1372	17
824	Effect of hydrostatic pressure on shear banding behaviors in bulk metallic glasses. 2013 , 93, 289-292	8
823	Novel low Cu content and Ni-free Zr-based bulk metallic glasses for biomedical applications. 2013 , 363, 1-5	23
822	Investigation of transparent magnetic material formed by selective oxidation of a metallic glass. 2013 , 531, 471-475	10
821	Effect of Al Addition on the Mechanical Properties and Microstructure of Zr ₃₅ Ti ₃₀ Cu _{7.5} Be _{27.5} Bulk Metallic Glass. 2013 , 42, 470-473	
820	On deformation behavior of a Ni-based bulk metallic glass produced by flux treatment. 2013 , 561, 241-246	13
819	Effect of residual stresses on nanoindentation creep behavior of Zr-based bulk metallic glasses. 2013 , 41, 58-62	22
818	Isochronal and isothermal phase transformation of Cu ₄₅ Zr ₄₅ Ag ₇ Al ₃ bulk metallic glass. 2013 , 411, 149-153	13
817	Tensile deformation behaviors and damping properties of small-sized Cu ₄₇ Al metallic glasses. 2013 , 555, 357-361	14

816	Hydrogen absorption/desorption behavior of Mg ₅₀ La ₂₀ Ni ₃₀ bulk metallic glass. 2013 , 38, 4670-4674	5
815	A Ti _{36.2} Zr _{30.3} Cu _{8.3} Fe ₄ Be _{21.2} bulk metallic glass with exceptional glass forming ability and remarkable compressive plasticity. 2013 , 562, 205-210	21
814	Atomic-scale mechanisms of tension-compression asymmetry in a metallic glass. 2013 , 61, 1843-1850	25
813	Investigating Amorphous Metal Composite Architectures as Spacecraft Shielding. 2013 , 15, 27-33	29
812	Crystalline to amorphous transformation in Zr ₄₀ Ti ₄₀ Al alloys induced by high pressure torsion. 2013 , 37, 52-58	19
811	Smoothing metallic glasses without introducing crystallization by gas cluster ion beam. 2013 , 102, 101604	8
810	Thermal stability, crystallization behavior, Vickers hardness and magnetic properties of Fe ₄₀ Ni ₁₀ Cr ₁₀ Mo ₁₀ B ₁₀ bulk metallic glasses. 2013 , 23, 148-155	23
809	Critical fictive temperature for plasticity in metallic glasses. 2013 , 4, 1536	124
808	Glass transition by gelation in a phase separating binary alloy. 2013 , 110, 145502	25
807	Structural evolution in bulk metallic glass under high-temperature tension. 2013 , 102, 051909	5
806	Strength softening at shear bands in metallic glasses. 2013 , 93, 221-230	7
805	Phase separation and sample size independence of fracture strength for (Mg _{0.585} Cu _{0.305} Y _{0.11}) ₉₅ Be ₅ bulk metallic glass. 2013 , 370, 1-5	5
804	Origin of intermittent plastic flow and instability of shear band sliding in bulk metallic glasses. 2013 , 110, 225501	64
803	Shear bands in metallic glasses. 2013 , 74, 71-132	1018
802	Tunable Hierarchical Metallic-Glass Nanostructures. 2013 , 23, 2708-2713	44
801	Bulk Metallic Glasses: Formation, Structure, Properties, and Applications. 2013 , 21, 131-171	28
800	Influence of mechanically milled powder and high pressure on spark plasma sintering of Mg ₄₀ Ti ₄₀ bulk metallic glasses. 2013 , 61, 4414-4428	46
799	In situ visualization of Ni ₄₀ bulk metallic glasses phase transition. 2013 , 61, 5216-5222	28

798	Compressible multi-scale magnetic constructs: decorating the outer surface of self-assembled microbubbles with iron oxide nanoparticles. 2013 , 3, 7743	15
797	A Ni-free ZrCuFeAlAg bulk metallic glass with potential for biomedical applications. 2013 , 9, 7043-53	70
796	Phase separation in metallic glasses. 2013 , 58, 1103-1172	167
795	More than entropy in high-entropy alloys: Forming solid solutions or amorphous phase. 2013 , 41, 96-103	363
794	Superior glass-forming ability and its correlation with density in CeCu ternary bulk metallic glasses. 2013 , 32, 1-5	19
793	TiCuNi shape memory bulk metallic glass composites. 2013 , 61, 151-162	71
792	Towards more uniform deformation in metallic glasses: The role of Poisson's ratio. 2013 , 560, 510-517	24
791	Effect of the metallic glass volume fraction on the mechanical properties of Zr-based metallic glass reinforced with porous W composite. 2013 , 561, 152-158	5
790	Effects of V on phase formation and plasticity improvement in CuZrAl glassy alloys. 2013 , 561, 245-251	24
789	Shear punching of a Ti-based bulk metallic glass. 2013 , 561, 220-225	20
788	Structural evolutions and mechanical behaviours of carbides in NbTiC alloys. 2013 , 29, 733-741	1
787	Collective evolution dynamics of multiple shear bands in bulk metallic glasses. 2013 , 50, 18-36	56
786	Iron-based bulk metallic glasses. 2013 , 58, 131-166	372
785	Structural investigation and mechanical properties of a representative of a new class of materials: nanograined metallic glasses. 2013 , 24, 045610	41
784	Anelasticity-induced increase of the Al-centered local symmetry in the metallic glass La ₅₀ Ni ₁₅ Al ₃₅ . 2013 , 25, 165701	8
783	Facilitation and correlation of flow in metallic supercooled liquid. 2013 , 139, 164508	14
782	The Effect of Cooling Rate on Microstructure and Mechanical Properties of Zr-Based Bulk Metallic Glasses. 2013 , 2013, 1-6	6
781	Shear Band Feature in Two Bulk Metallic Glasses with Different Inherent Plasticity. 2013 , 703, 20-23	

- 780 Glass-Forming Ability and Mechanical Properties of Zr-Ni-Al Bulk Metallic Glasses with High Zr Content. **2013**, 750, 306-310
- 779 Characterization of Shear Bands in Zr₆₄.13Cu₁₅.75Ni₁₀.12Al₁₀ and Zr₆₅Cu₁₅Ni₁₀Al₁₀ BMGs. **2013**, 703, 24-28
- 778 Cu-Zr-Nb Crystalline-Amorphous Composites Investigated by Thermodynamic Calculation and Ion Beam Mixing Experiments. **2013**, 745-746, 793-798
- 777 Production of customized hybrid porous structures by powder metallurgy of Ni₅₉Zr₂₀Ti₁₆Si₂Sn₃ glassy powders. **2013**, 28, 2490-2498 3
- 776 Effect of operating parameters on the drilling behavior of Zr_{57.5}Cu_{11.2}Ni_{13.8}Al_{17.5} bulk metallic glass. **2013**, 28, 3288-3296 5
- 775 Unusually high erosion resistance of zirconium-based bulk metallic glass. **2013**, 28, 3185-3189 3
- 774 Ferromagnetic Characteristics of Bulk Fe₆₃Co₇Nb₄Zr₆B₁₉Si₁ Metallic Glass. **2013**, 873, 63-66
- 773 Prediction of Glass-Forming Ability and Atomic-Level Structure of the Al₇₀Fe₁₀Si₂₀ Metallic Glasses by Molecular Dynamics Simulations. **2013**, 82, 124006 1
- 772 Effects of Re microalloying on glass formation and mechanical properties of Zr₆₀Ti₂₀Al₂₀ alloys. **2013**, 93, 847-857 2
- 771 Correlation between the microstructures and the deformation mechanisms of CuZr-based bulk metallic glass composites. **2013**, 3, 012116 46
- 770 Ti Particles Dispersed Ti-Based Metallic Glass Matrix Composite Prepared by Spark Plasma Sintering. **2013**, 54, 1335-1338 9
- 769 Recent Progress in Ti-Based Metallic Glasses for Application as Biomaterials. **2013**, 54, 1314-1323 30
- 768 Structure of non-polymeric glasses. 1-39
- 767 Bulk Metallic Glass Composites Fabricated within the Supercooled Liquid Region. **2013**, 3221-3228
- 766 Mechanical Properties and Deformation Behavior of Bulk Metallic Glasses. **2013**, 3, 1-22 45
- 765 Glass Formation in Ni-Zr-(Al) Alloy Systems. **2013**, 2013, 1-5 1
- 764 Experimental and Theoretical Advances in Amorphous Alloys. **2014**, 2014, 1-2 4
- 763 Predicting Composition Dependence of Glass Forming Ability in Ternary Al-Cu-Y System by Thermodynamic Calculation. **2014**, 4, 519-529 3

762	Buckling of CuZr-based metallic glasses nanowires: molecular dynamics study of surface effects. 2014 , 49, 8051-8056	5
761	Effective temperature dynamics of shear bands in metallic glasses. 2014 , 90, 062405	17
760	Cyclic Nanoindentation and Finite Element Analysis of Ti/TiN and CrN Nanocoatings on Zr-Based Metallic Glasses Mechanical Performance. 2014 , 23, 4259-4270	9
759	Enhancement of glass-forming ability and plasticity of Cu-rich Cu-Zr-Al bulk metallic glasses by minor addition of Dy. 2014 , 29, 1362-1368	4
758	Effects of a Zr-Based Bulk Metallic Glass on the In Vitro Culture and Differentiation of Human Bone Marrow-Derived Mesenchymal Cells. 2014 , 1053, 431-437	
757	Glass Forming Ability and Crystallization Kinetics of Al-Mg-Ni-La Metallic Glasses. 2014 , 960-961, 161-164	2
756	Plastic deformation studies of Zr-based bulk metallic glassy samples with a low aspect ratio. 2014 , 616, 288-296	22
755	Investigation of Mechanical Properties and Plastic Deformation Behavior of (Ti ₄₅ Cu ₄₀ Zr ₁₀ Ni ₅) _{100-x} Al _x Metallic Glasses by Nanoindentation. 2014 , 2014, 1-5	1
754	Selection of the Composition with High Glass Forming Ability in Zr-Cu-Ni-Al Bulk Metallic Glasses. 2014 , 2014, 1-6	
753	Materials by design: An experimental and computational investigation on the microanatomy arrangement of porous metallic glasses. 2014 , 77, 411-422	32
752	Cooling-rate-dependent microstructure and mechanical properties of a CuZrAlAg alloy. 2014 , 94, 716-723	
751	Formation and Mechanical Properties of Pd-Si Binary Bulk Metallic Glasses. 2014 , 2014, 1-5	
750	Cryogenic-temperature-induced transition from shear to dilatational failure in metallic glasses. 2014 , 77, 248-257	38
749	Effect of Nb on formation, mechanical and corrosion properties of (Zr _{0.55} Al _{0.1} Ni _{0.05} Cu _{0.3}) _{100-x} Nb _x bulk metallic glasses. 2014 , 18, S4-761-S4-765	
748	Thermal behaviors of liquid La-based bulk metallic glasses. 2014 , 116, 224903	4
747	In-situ probing of metallic glass formation and crystallization upon heating and cooling via fast differential scanning calorimetry. 2014 , 104, 251908	58
746	Characterization of bulk metallic glasses via fast differential scanning calorimetry. 2014 , 590, 84-90	25
745	Effects of Nb Addition on Glass-Forming Ability, Thermal Stability and Mechanical Properties of Ti-Based Bulk Metallic Glasses. 2014 , 43, 1835-1838	7

744	New Methods for Developing and Manufacturing Compliant Mechanisms Utilizing Bulk Metallic Glass. 2014 , 16, 850-856	27
743	Finite element simulation of laser shock peening on bulk metallic glass. 2014 ,	
742	Synthesis of high strength aluminum alloys in the AlNiTi system. 2014 , 29, 708-717	5
741	Mg-Based Bulk Amorphous Alloy Composites Fabricated by Spark Plasma Sintering. 2014 , 783-786, 1931-1936	4
740	The Relaxation in metallic glasses. 2014 , 1, 429-461	160
739	Wettability of Electrochemically Nano-textured Metallic Glasses. 2014 , 1649, 1	
738	Cu Particulates Dispersed Bulk Metallic Glass Composites with High Strength and High Electrical Conductivity Fabricated by Spark Plasma Sintering. 2014 , 783-786, 1961-1966	2
737	Wavelike fracture pattern in a metallic glass: a Kelvin-Helmholtz flow instability. 2014 , 94, 669-677	2
736	Designing Bulk Metallic Glass Composites with Enhanced Formability and Plasticity. 2014 , 30, 566-575	40
735	Microstructure and mechanical properties of a phase-separating Mg-based bulk metallic glass. 2014 , 612, 5-9	8
734	Predicted atomic arrangement of Mg ₆₇ Zn ₂₈ Ca ₅ and Ca ₅₀ Zn ₃₀ Mg ₂₀ bulk metallic glasses by atomic simulation. 2014 , 388, 23-31	16
733	The Effect of Er Addition on the Air-Oxidation of a Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ -Based Bulk Metallic Glass. 2014 , 81, 453-465	4
732	Microscopic collective dynamics of atoms in the amorphous metallic alloy Ni ₃₃ Zr ₆₇ . 2014 , 8, 84-92	9
731	Low beryllium content Zr-based bulk metallic glass composite with plasticity and work hardenability. 2014 , 115, 043519	4
730	Antimicrobial properties of Zr ₄₀ Al ₁₀ Ag thin film metallic glass. 2014 , 561, 98-101	37
729	Influence of ball milling on atomic structure and magnetic properties of Co ₄₀ Fe ₂₂ Ta ₈ B ₃₀ glassy alloy. 2014 , 92, 96-105	3
728	Combinatorial development of bulk metallic glasses. 2014 , 13, 494-500	158
727	Micro-deformation mechanism of Zr-based metallic glass/porous tungsten composite by in-situ high-energy X-ray diffraction and finite element modeling. 2014 , 598, 407-412	5

726	Early stage crystallization kinetics in metallic glass-forming alloys. 2014 , 586, 216-219	13
725	Effects of B2 precipitate size on transformation-induced plasticity of Cu ₅₀ Zr ₅₀ Al glassy alloys. 2014 , 590, 453-458	19
724	Evidence of the existence of two deformation stages in bulk metallic glasses. 2014 , 396-397, 20-24	29
723	Liquid fragility calculations from thermal analyses for metallic glasses. 2014 , 386, 46-50	5
722	Zr-based bulk metallic glass composite with in situ precipitated nanocrystals. 2014 , 586, 155-158	13
721	Thermal and mechanical properties of Cu ₆₀ Zr ₂₅ Ti ₁₅ Ni _x bulk metallic glasses with x=0, 1, 3, 5, 7, 9 and 11 at.%. 2014 , 20, 1-5	17
720	Atomic structural evolution during glass formation of a Cu ₅₀ Zr binary metallic glass. 2014 , 85, 147-153	51
719	Cryogenic treatment induced hardening of Cu ₄₅ Zr ₄₅ Ag ₇ Al ₃ bulk metallic glass. 2014 , 433, 84-88	9
718	Diffusion bonding of a Zr-based metallic glass in its supercooled liquid region. 2014 , 46, 236-242	18
717	Comparison of mechanical response in CuZrAl ₁₀ and CuZrAl ₂₀ bulk metallic glass composites. 2014 , 586, S14-S19	20
716	Phase-separation-enhanced plasticity in a Cu _{47.2} Zr _{46.5} Al _{5.5} Nb _{0.8} bulk metallic glass. 2014 , 72-73, 47-50	32
715	Hypervelocity Impact Phenomenon in Bulk Metallic Glasses and Composites**. 2014 , 16, 85-93	20
714	Fe-based bulk metallic glasses: Brittle or ductile?. 2014 , 105, 161901	96
713	Influence of cyclic loading on the onset of failure in a Zr-based bulk metallic glass. 2014 , 49, 6716-6721	11
712	Interatomic potential to predict the glass-forming ability of Ni ₅₀ Nb ₅₀ Mo ternary alloys. 2014 , 49, 7263-7272	4
711	Hollow magnetic microspheres obtained by nanoparticle adsorption on surfactant stabilized microbubbles. 2014 , 10, 5147-56	16
710	Microscale three-dimensional hemispherical shell resonators fabricated from metallic glass. 2014 ,	7
709	Effect of solute atoms on glass-forming ability for Fe ₇₀ B alloy: An ab initio molecular dynamics study. 2014 , 77, 96-110	21

708	Metallic glass nanostructures: fabrication, properties, and applications. 2014 , 6, 2027-36	35
707	Effect of cast process and microalloying on the fracture toughness of Zr-based bulk amorphous alloys. 2014 , 614, 87-93	10
706	Dual-phase glassy/nanoscale icosahedral phase materials in Cu ₄₀ Zr ₄₀ Ti ₁₀ Pd ₁₀ system alloys. 2014 , 96, 6-12	4
705	Design of cost-effective Fe-based amorphous coating alloys having high amorphous forming ability by thermodynamic calculation. 2014 , 20, 577-583	9
704	Phase behavior of Safaniya vacuum residue. 2014 , 380, 28-38	4
703	Compositional landscape for glass formation in metal alloys. 2014 , 111, 9031-6	61
702	Metallic Glasses. 2014 , 305-385	20
701	Nanocrystallization in Ni ₆₀ Ta ₄₀ and Ni ₆₀ Nb ₄₀ metallic glasses below calorimetric glass transition. 2014 , 49, 6007-6011	4
700	Investigation and simulation of crystallization of bulk zirconium-based metallic glasses. 2014 , 55, 31-36	4
699	Non-localized deformation in metallic alloys with amorphous structure. 2014 , 68, 32-41	54
698	Full icosahedra dominate local order in Cu ₆₄ Zr ₃₄ metallic glass and supercooled liquid. 2014 , 69, 343-354	197
697	Combinatorial Influence of Bimodal Size of B ₂ TiCu Compounds on Plasticity of Ti-Cu-Ni-Zr-Sn-Si Bulk Metallic Glass Composites. 2014 , 45, 2376-2381	24
696	Structural Relaxation and Nanocrystallization-Induced Laser Surface Hardening of Fe-Based Bulk Amorphous Alloys. 2014 , 66, 1080-1087	13
695	Atomic modeling to design favored compositions for the ternary Ni ₅₀ Nb ₂₀ Zr ₃₀ metallic glass formation. 2014 , 76, 482-492	9
694	Atom-Probe Field Ion Microscopy. 2014 , 1453-1589	1
693	Formation and properties of P-free Pd-based metallic glasses with high glass-forming ability. 2014 , 617, 310-313	9
692	Large-sized CuZr-based Bulk Metallic Glass Composite with Enhanced Mechanical Properties. 2014 , 30, 590-594	20
691	Mechanical properties and corrosion resistance of a new Zr ₅₆ Ni ₂₀ Al ₁₅ Nb ₄ Cu ₅ bulk metallic glass with a diameter up to 25mm. 2014 , 615, S71-S74	24

690	Influence of the irradiation temperature on the surface structure and physical/chemical properties of Ar ion-irradiated bulk metallic glasses. 2014 , 610, 118-125	12
689	Development and applications of Fe- and Co-based bulk glassy alloys and their prospects. 2014 , 615, S2-S8	70
688	Flaw tolerance vs. performance: A tradeoff in metallic glass cellular structures. 2014 , 73, 259-274	46
687	Effect of ball milling on structure and thermal stability of Al ₈₄ Gd ₆ Ni ₇ Co ₃ glassy powders. 2014 , 46, 97-102	20
686	Laminar Fe-based amorphous composite coatings with enhanced bonding strength and impact resistance. 2014 , 72, 239-251	58
685	Ultrahigh-strength submicron-sized metallic glass wires. 2014 , 84-85, 27-30	14
684	Glass formability of W-based alloys through thermodynamic modeling: W ₈₀ Fe ₁₀ Pd ₁₀ and W ₈₀ Fe ₁₀ Ti ₁₀ . 2014 , 48, 79-85	6
683	Hierarchical ultrafine-grained network mediated high strength and large plasticity in an Al-based alloy. 2014 , 124, 28-31	10
682	The effect of cooling rates on hereditary characteristics of icosahedral clusters in rapid solidification of liquid Cu ₅₆ Zr ₄₄ alloys. 2014 , 388, 75-85	13
681	Fluxing of Pd ₅₁ Ti bulk metallic glass and the role of cooling rate and purification. 2014 , 71, 145-152	32
680	Phase separation in Zr _{56-x} Gd _x Co ₂₈ Al ₁₆ metallic glasses (0 ≤ x ≤ 20). 2014 , 66, 262-272	29
679	Effects of ion irradiation on Zr _{52.5} Cu _{17.9} Ni _{14.6} Al ₁₀ Ti ₅ (BAM-11) bulk metallic glass. 2014 , 53, 62-66	29
678	A review of bioactive glasses: Their structure, properties, fabrication and apatite formation. 2014 , 102, 254-74	327
677	Vitrification and devitrification processes in metallic glasses. 2014 , 586, S2-S8	30
676	Annealing effect on beta-relaxation in a La-based bulk metallic glass. 2014 , 383, 97-101	14
675	Indenter Geometry Affecting Indentation Behaviors of the Zr-Based Bulk Metallic Glass. 2014 , 55, 1400-1404	6
674	Mechanical Alloying for Advanced Materials. 2014 , 169-178	1
673	Electrochemical and XPS studies of a Nb-containing Ti-based glass-forming alloy system in H ₂ SO ₄ solution. 2015 , 60, 139-143	12

672	Bulk Glassy Alloys: Historical Development and Current Research. 2015 , 1, 185-191	43
671	Microgravity metal processing: from undercooled liquids to bulk metallic glasses. 2015 , 1, 15003	15
670	Atomistic Design of Favored Compositions for Synthesizing the Al-Ni-Y Metallic Glasses. 2015 , 5, 16218	5
669	Sub-second thermoplastic forming of bulk metallic glasses by ultrasonic beating. 2015 , 5, 17844	27
668	Beyond packing of hard spheres: The effects of core softness, non-additivity, intermediate-range repulsion, and many-body interactions on the glass-forming ability of bulk metallic glasses. 2015 , 143, 184502	15
667	Potential Prospective Application of Zr-Based Bulk Metallic Glasses in Dental Implant. 2015 , 56, 1925-1929	2
666	A study of cooling process in bulk metallic glasses fabrication. 2015 , 5, 117111	10
665	Effect of Cooling Rate, Tungsten Fiber Addition and Annealing on Deformation and Mechanical Properties of Zr-Based Bulk Metallic Glasses Under a Nanoindenter. 2015 , 1120-1121, 68-72	
664	First dust study in JET with the ITER-like wall: sampling, analysis and classification. 2015 , 55, 113033	43
663	Crystallization Behavior and Thermal Analysis of CoFeB Thin Films. 2015 , 2015, 1-6	4
662	Oxygen-Loaded Nanodroplets Effectively Abrogate Hypoxia Dysregulating Effects on Secretion of MMP-9 and TIMP-1 by Human Monocytes. 2015 , 2015, 964838	13
661	Anisotropy of tensile strength and fracture mode of perfect face-centered-cubic crystals. 2015 , 117, 214906	2
660	Nano-indentation Study and Photo-Induced Effects in Amorphous As ₂ Se ₃ :SnX Chalcogenides. 2015 , 371-379	
659	Stability of a metastable B2 phase embedded in a metallic glass matrix at liquid-nitrogen temperature. 2015 , 634, 99-102	14
658	Introduction. 2015 , 1-12	5
657	Effect of casting vacuum on thermodynamic and corrosion properties of Fe-based glassy alloy. 2015 , 25, 844-849	5
656	Direct synchrotron x-ray measurements of local strain fields in elastically and plastically bent metallic glasses. 2015 , 67, 132-137	5
655	Glass-Like Slow Dynamics in a Colloidal Solid with Multiple Ground States. 2015 , 119, 10902-10	8

654	Critical Crystallization for Embrittlement in Metallic Glasses. 2015 , 115, 265502	43
653	Local structural evolution of Fe ₅₄ C ₁₈ Cr ₁₆ Mo ₁₂ bulk metallic glass during tensile deformation and a temperature elevation process: a molecular dynamics study. 2015 , 5, 103925-103935	3
652	Studies of the structure and mechanical properties of Ti _{43.2} Zr _{7.8} Cu _{40.8} Ni _{7.2} Co ₁ alloy containing amorphous and crystalline phases. 2015 , 116, 684-689	4
651	Influence of heat treatment on the mechanical properties, corrosion behavior, and biocompatibility of Zr ₅₆ Al ₁₆ Co ₂₈ bulk metallic glass. 2015 , 411, 45-52	15
650	Roles of minor rare-earth elements addition in formation and properties of Cu ₇₀ Zr ₃₀ Al bulk metallic glasses. 2015 , 632, 429-434	47
649	Structural evolution during fragile-to-strong transition in CuZr(Al) glass-forming liquids. 2015 , 142, 064508	36
648	The detrimental effect of flux-induced boron alloying in Pd ₅₁ Si ₁₀ Cu bulk metallic glasses. 2015 , 106, 011902	12
647	Evolution of shear bands, free volume, and structure in room temperature rolled Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glass. 2015 , 623, 145-152	20
646	Bulk Metallic Glass in Micro to Nano Length Scale Applications. 2015 , 159-188	1
645	Functionalization of metallic glasses through hierarchical patterning. 2015 , 15, 963-8	81
644	Probing the structure of a liquid metal during vitrification. 2015 , 87, 174-186	29
643	Microstructure Evolution of a Ti-Based Bulk Metallic Glass Composite During Deformation. 2015 , 24, 748-753	9
642	Fabrication of Fe-based bulk metallic glasses from low-purity industrial raw materials. 2015 , 629, 1-4	18
641	Effects of Effective Dendrite Size on Tensile Deformation Behavior in Ti-Based Dendrite-Containing Amorphous Matrix Composites Modified from Ti-6Al-4V Alloy. 2015 , 46, 235-250	12
640	Enhanced plasticity in Zr ₅₀ Ti ₂₀ Ag ₁₀ Al ₁₀ Be bulk metallic glasses. 2015 , 412, 35-44	12
639	The ductile to brittle transition behavior in a Zr-based bulk metallic glass. 2015 , 625, 393-402	23
638	Structural relaxation driven increase in elastic modulus for a bulk metallic glass. 2015 , 117, 014902	15
637	Experimental research on the long rod penetration of tungsten-fiber/Zr-based metallic glass matrix composite into Q235 steel target. 2015 , 79, 102-116	24

636	Microcapsules for Enhanced Cargo Retention and Diversity. 2015 , 11, 2903-9	33
635	Surface Modification of Metallic Glass Composites Through Severe Plastic Deformation. 2015 , 46, 1030-1034	1
634	Development of an Automatic Fabrication System for Cast Glassy Alloys. 2015 , 46, 893-905	6
633	Micro-mechanical behavior of porous tungsten/Zr-based metallic glass composite under cyclic compression. 2015 , 643, 55-63	3
632	Atomic structure of shear bands in Cu ₆₄ Zr ₃₆ metallic glasses studied by molecular dynamics simulations. 2015 , 95, 236-243	77
631	Critical obstacle size to deflect shear banding in Zr-based bulk metallic glass composites. 2015 , 64, 102-105	10
630	Nanoindentation response of Cu ₄₀ Ti ₆₀ based metallic glasses: Comparison between as-cast, relaxed and devitrified states. 2015 , 425, 103-109	31
629	Hierarchical amorphous structures in a Zr ₅₀ Cu ₄₂ Al ₈ bulk metallic glass. 2015 , 639, 75-79	4
628	Effect of Ti addition on the glass forming ability, crystallization, and plasticity of (Zr _{64.13} Cu _{15.75} Ni _{10.12} Al ₁₀) _{100-x} Ti _x bulk metallic glasses. 2015 , 639, 345-349	9
627	FEM analysis on the self-sharpening behavior of tungsten fiber/metallic glass matrix composite long rod. 2015 , 86, 67-83	27
626	Size effects on tensile and compressive strengths in metallic glass nanowires. 2015 , 84, 130-144	48
625	The hydrogen permeability of Cu ₄₀ Zr ₆₀ binary amorphous metallic membranes and the importance of thermal stability. 2015 , 489, 264-269	12
624	Structural changes in liquid Fe and Fe ₈₀ B ₂₀ alloy on cooling. 2015 , 209, 233-238	9
623	Tribological behaviors of Zr-based bulk metallic glass versus Zr-based bulk metallic glass under relative heavy loads. 2015 , 65, 88-93	16
622	New centimeter-sized quaternary Ti ₄₀ Zr ₃₀ Be ₁₀ Cu ₂₀ bulk metallic glasses with large glass forming ability. 2015 , 647, 533-538	14
621	Dynamic strength behavior of a Zr-based bulk metallic glass under shock loading. 2015 , 24, 066201	3
620	Investigation of the mechanical properties and local structural evolution of Ti ₆₀ Zr ₁₀ Ta ₁₅ Si ₁₅ bulk metallic glass during tensile deformation: a molecular dynamics study. 2015 , 5, 55383-55395	12
619	Reprint of: Characterization of bulk metallic glasses via fast differential scanning calorimetry. 2015 , 603, 46-52	5

618	Thermodynamic predicting and atomistic modeling the favored compositions for Mg ₅₀ Ni ₅₀ metallic glasses. 2015 , 5, 60220-60229	3
617	Origin of anomalous inverse notch effect in bulk metallic glasses. 2015 , 84, 85-94	56
616	Bulk metallic glassy surface native oxide: Its atomic structure, growth rate and electrical properties. 2015 , 97, 282-290	36
615	Amorphous Alloys/Bulk Metallic Glasses (BMG). 2015 , 59-83	
614	Deformation Behavior of the Zr _{53.5} Cu _{26.5} Ni ₅ Al ₁₂ Ag ₃ Bulk Metallic Glass Over a Wide Range of Strain Rate and Temperatures. 2015 , 31, 941-945	13
613	Corrosion behavior of ZrTiCuNiBe bulk metallic glass subjected to friction stir processing. 2015 , 425, 124-129	8
612	Effect of Sample Size upon Quasi-Static Compressive Loading of Ti ₄₈ Zr ₂₀ Cu ₅ Nb ₁₂ Be ₁₅ Amorphous Composites. 2015 , 816, 96-101	1
611	Compressive plastic metallic glasses with exceptional glass forming ability in the Ti ₄₈ Zr ₂₀ Cu ₅ Nb ₁₂ Be ₁₅ alloy system. 2015 , 638, 349-355	22
610	Designing porous metallic glass compact enclosed with surface iron oxides. 2015 , 635, 233-237	5
609	Direct in situ observation of metallic glass deformation by real-time nano-scale indentation. 2015 , 5, 9122	10
608	Fabrication and characterization of Fe-based amorphous coatings prepared by high-velocity arc spraying. 2015 , 78, 118-124	32
607	An empirical criterion for predicting the glass-forming ability of amorphous alloys based on electrical transport properties. 2015 , 419, 51-57	7
606	Enhancement of oxidation and wear resistance of Fe-based amorphous coatings by surface modification of feedstock powders. 2015 , 73, 35-41	46
605	Fabrication and properties of soft magnetic Fe ₇₀ Co ₁₀ Ni ₁₀ P ₁₀ B bulk metallic glasses with high glass-forming ability. 2015 , 421, 24-29	6
604	Improving the plasticity and strength of Fe ₇₀ Nb ₁₀ B ultrafine eutectic composite. 2015 , 76, 190-195	22
603	Hydrogen microalloying as a viable strategy for enhancing the glass-forming ability of Zr-based bulk metallic glasses. 2015 , 103, 53-56	16
602	Explosive boiling of a metallic glass superheated by nanosecond pulse laser ablation. 2015 , 106, 021904	37
601	Glass-transition process in an Au-based metallic glass. 2015 , 419, 12-15	17

600	Fatigue behavior of a Zr-based bulk metallic glass under uniaxial tension and three-point bending loading mode. 2015 , 60, 86-91	26
599	Nanostructured Zr-Pd metallic glass thin film for biochemical applications. 2015 , 5, 7799	43
598	Crystallization behavior and magnetic properties in High Fe content FeBCSiCu alloy system. 2015 , 385, 277-281	30
597	In vitro and in vivo biocompatibility of an Ag-bearing Zr-based bulk metallic glass for potential medical use. 2015 , 419, 82-91	28
596	High plastic Zr-Cu-B-Nb bulk metallic glasses for biomedical applications. 2015 , 22, 648-653	4
595	Magneto-caloric effect of a Gd ₅₀ Co ₅₀ amorphous alloy near the freezing point of water. 2015 , 5, 097122	25
594	Achieving the best glass former in a binary Gd-Co alloy system. 2015 , 85, 715-718	9
593	Computational Nanocharacterization for Combinatorially Developed Bulk Metallic Glass. 2015 , 24, 1520012	
592	Difference in charge transport properties of Ni-Nb thin films with native and artificial oxide. 2015 , 117, 125704	18
591	Low reflectance of nano-patterned Pt-Cu-Ni-P bulk metallic glass. 2015 , 107, 021903	18
590	Innovative Aluminum Based Metallic Glass Particle Reinforced MMCs Produced by Gas Pressure Infiltration. 2015 , 825-826, 101-108	4
589	Nanoscale size effects in crystallization of metallic glass nanorods. 2015 , 6, 8157	50
588	Effectiveness of hydrogen microalloying in bulk metallic glass design. 2015 , 99, 415-421	19
587	Effect of W volume fraction on dynamic mechanical behaviors of W fiber/Zr-based bulk metallic glass composites. 2015 , 639, 417-424	13
586	Correlation of the heredity of icosahedral clusters with the glass forming ability of rapidly solidified Cu _x Zr _{100-x} alloys. 2015 , 427, 199-207	17
585	Mechanical behavior of carbon nanotube-reinforced Mg-Cu-Co-Ag bulk metallic glasses. 2015 , 641, 116-122	17
584	Dynamic mechanical behavior of a Zr-based bulk metallic glass composite. 2015 , 88, 69-74	14
583	Factors Influencing Oxidation Behavior of Metallic Glasses. 2015 , 68, 1151-1154	

582	Evolution of shear bands into cracks in metallic glasses. 2015 , 621, 238-243	19
581	Role of different factors in the glass-forming ability of binary alloys. 2015 , 50, 1783-1793	21
580	A centimeter-size Zr ₄₀ Hf ₁₀ Ti ₄ Y ₁ Al ₁₀ Cu ₂₅ Ni ₇ Co ₂ Fe ₁ bulk metallic glass with high mixing entropy designed by multi-substitution. 2015 , 410, 39-42	24
579	Elastic strain effects on catalysis of a PdCuSi metallic glass thin film. 2015 , 17, 1746-54	24
578	Low-Density High-Strength Bulk Metallic Glasses and Their Composites: A Review. 2015 , 17, 761-780	59
577	Atomic approach to the optimized compositions of NiNbTi glassy alloys with large glass-forming ability. 2015 , 5, 3054-3062	9
576	Strong work-hardening behavior induced by the solid solution strengthening of dendrites in TiZr-based bulk metallic glass matrix composites. 2015 , 624, 9-16	28
575	Sub-Tg relaxation and multi-stage glass transition behavior for bulk glassy alloys. 2015 , 643, S11-S16	7
574	Joining of bulk metallic glass to brass by thick-walled cylinder explosion. 2015 , 97, 17-20	21
573	Crystal growth limitation as a critical factor for formation of Fe-based bulk metallic glasses. 2015 , 82, 396-402	24
572	Remarkable effect of Ce base element purity upon glass forming ability in Ce ₁₀ Al ₁₀ Cu bulk metallic glasses. 2015 , 56, 56-62	11
571	Tensile Strength Reliability Analysis of Cu ₄₈ Zr ₄₈ Al ₄ Amorphous Microwires. 2016 , 6, 296	7
570	Bulk Metallic Glasses: Formation and Applications. 2016 ,	2
569	Three Strategies for the Design of Advanced High-Entropy Alloys. 2016 , 18, 252	40
568	Structural Origin of the Enhanced Glass-Forming Ability Induced by Microalloying Y in the ZrCuAl Alloy. 2016 , 6, 67	4
567	Surface morphology study of Zr-based amorphous alloys after immersion in boiling nitric acid medium. 2016 ,	1
566	Macroscopic tensile plasticity of Zr-based bulk metallic glass with surface screw thread shaped structure. 2016 , 673, 417-422	
565	Centimeter-Sized Quaternary Ti-Based Bulk Metallic Glasses with High Ti Content of 50 at%. 2016 , 18, 231-235	9

564	Influence of ejection temperature on structure and glass transition behavior for Zr-based rapidly quenched disordered alloys. 2016 , 116, 370-381	12
563	Bulk Metallic Glasses as Structural Materials: A Review. 2016 , 18, 1308-1331	139
562	Designing a stronger interface through graded structures in amorphous/nanocrystalline ZrCu/Cu multilayered films. 2016 , 27, 225701	6
561	Castable Bulk Metallic Glass Strain Wave Gears: Towards Decreasing the Cost of High-Performance Robotics. 2016 , 6, 37773	34
560	Robustness of Dynamical Cluster Analysis in a Glass-Forming Metallic Liquid using an Unsupervised Machine Learning Algorithm. 2016 , 1, 1929-1934	
559	The structural properties of Zr-based bulk metallic glasses subjected to high pressure torsion at different temperatures. 2016 ,	4
558	A room-temperature magnetic semiconductor from a ferromagnetic metallic glass. 2016 , 7, 13497	48
557	The Critical Criterion on Runaway Shear Banding in Metallic Glasses. 2016 , 6, 21388	17
556	Amorphous Fe ₇₈ Si ₉ B ₁₃ alloy: An efficient and reusable photo-enhanced Fenton-like catalyst in degradation of cibacron brilliant red 3B-A dye under UV _A is light. 2016 , 192, 46-56	133
555	Dependence of room-temperature nanoindentation creep behavior and shear transformation zone on the glass transition temperature in bulk metallic glasses. 2016 , 445-446, 19-29	17
554	Role of niobium and oxygen concentration on glass forming ability and crystallization behavior of Zr-Ni-Al-Cu-Nb bulk metallic glasses with low copper concentration. 2016 , 445-446, 88-94	10
553	Preparation of Ni-based bulk metallic glasses with high corrosion resistance. 2016 , 443, 91-96	8
552	Thermo-mechanical study of bulk glass forming Zr-Cu-Ni-Al alloys. 2016 , 443, 103-107	
551	Tuning the performance of bulk metallic glasses by milling artificial holes. 2016 , 668, 50-54	4
550	Metallic Glasses. 2016 , 9-14	
549	Shape-Controlled Metal-Metal and Metal-Polymer Janus Structures by Thermoplastic Embossing. 2016 , 8, 11084-90	9
548	Strain-energy transport during fracture of metallic glasses. 2016 , 680, 43-53	15
547	On the origin of bulk glass forming ability in Cu-Hf, Zr alloys. 2016 , 114, 17006	9

546	Understanding of micro-alloying on plasticity in Cu ₄₆ Zr ₄₇ Al ₇ Dy _x (0 ≤ x ≤ 8) bulk metallic glasses under compression: Based on mechanical relaxations and theoretical analysis. 2016 , 82, 62-75	128
545	Effect of Nb substitution for Cu on glass formation and corrosion behavior of Zr-Cu-Ag-Al-Be bulk metallic glass. 2016 , 683, 22-31	11
544	Tuning the mechanical performance of Cu ₄₂ Zr ₄₂ Ag ₁₀ Ti ₆ bulk metallic glass upon ceramic rolling. 2016 , 688, 903-909	1
543	Glass forming ability, thermal stability and elastic properties of Zr-Ti-Cu-Be-(Fe) bulk metallic glasses. 2016 , 6, 1157-1160	10
542	Microstructure and tensile behavior of small scale resistance spot welded sandwich bulk metallic glasses. 2016 , 447, 300-306	3
541	A study of the nanoscale and atomic-scale wear resistance of metallic glasses. 2016 , 185, 54-58	20
540	On the competition in phase formation during the crystallisation of Al-Ni-Y metallic glasses. 2016 , 117, 170-187	17
539	Physical Properties of ((As) ₂ (Se) ₃) _{1-x} (Sn) _x and ((As) ₄ (S) ₃ (Se) ₃) _{1-x} (Sn) _x Glasses. 2016 , 127-140	
538	Microstructural Control via Copious Nucleation Manipulated by In Situ Formed Nucleants: Large-Sized and Ductile Metallic Glass Composites. 2016 , 28, 8156-8161	46
537	On crystallization behavior and thermal stability of Cu ₆₄ Zr ₃₆ metallic glass by controlling the melt temperature. 2016 , 452, 336-341	12
536	Spectral descriptors for bulk metallic glasses based on the thermodynamics of competing crystalline phases. 2016 , 7, 12315	80
535	Two-phase quasi-equilibrium in E-type Ti-based bulk metallic glass composites. 2016 , 6, 19235	34
534	Macroscopic tensile plasticity by scalarizing stress distribution in bulk metallic glass. 2016 , 6, 21929	24
533	Combinatorial development of antibacterial Zr-Cu-Al-Ag thin film metallic glasses. 2016 , 6, 26950	43
532	A cohesive granular material with tunable elasticity. 2016 , 6, 35650	26
531	Stabilisation of Ce-Cu-Fe amorphous alloys by addition of Al. 2016 , 96, 3143-3158	
530	A highly efficient degradation mechanism of methyl orange using Fe-based metallic glass powders. 2016 , 6, 21947	98
529	Quantifying the origin of metallic glass formation. 2016 , 7, 10313	95

528	Considerations on elliptical failure envelope associated to Mohr-Coulomb criterion. 2016 , 145, 042006	0
527	Room-temperature dynamic quasi-elastic mechanical behavior of a ZrCuBeAl bulk metallic glass. 2016 , 213, 450-456	6
526	Bulk metallic glasses: Fabrication, structure, and structural changes under heating. 2016 , 57, 25-32	7
525	Formation of AlCu metallic glasses investigated by atomistic approach. 2016 , 51, 6600-6606	1
524	Formation and mechanical properties of Zr-Nb-Cu-Ni-Al-Lu bulk glassy alloys with superior glass-forming ability. 2016 , 31, 186-190	1
523	Development of Mo-Ni-Si-B metallic glass with high thermal stability and H versus E ratios. 2016 , 98, 31-40	6
522	Structure-induced microalloying effect in multicomponent alloys. 2016 , 103, 308-314	5
521	Influence of the Substrate on the Formation of Metallic Glass Coatings by Cold Gas Spraying. 2016 , 25, 992-1008	19
520	High strain rate thermoplastic demolding of metallic glasses. 2016 , 123, 140-143	21
519	Finite element simulation on Cu/CuZr crystalline/amorphous laminate under three point bending test with a stationary notch. 2016 , 51, 4509-4519	2
518	The shells of atomic structure in metallic glasses. 2016 , 24, 025004	3
517	Mechanical properties and microstructural of biomedical Ti-based bulk metallic glass with Sn addition. 2016 , 117, 584-589	4
516	Remarkable improving plasticity of a brittle Zr-based bulk metallic glass by a high rheological rate forming method in centesimal seconds. 2016 , 164, 348-352	12
515	Molecular dynamics study of structural formation in Cu ₅₀ Zr ₅₀ bulk metallic glass. 2016 , 432, 334-341	19
514	FEM analysis on the deformation and failure of fiber reinforced metallic glass matrix composite. 2016 , 652, 145-166	16
513	Flaw tolerance of metallic glasses. 2016 , 107, 220-228	55
512	Onset of Cooperative Dynamics in an Equilibrium Glass-Forming Metallic Liquid. 2016 , 120, 1142-8	22
511	Designing in situ and ex situ bulk metallic glass composites via spark plasma sintering in the super cooled liquid state. 2016 , 93, 26-38	27

510	Colloquium: Water- β controversial glass transitions. 2016 , 88,	116
509	Bulk Metallic Glasses and Glassy/Crystalline Materials. 2016 , 397-440	4
508	Formation Theory and Formation Range of Electroless Amorphous Alloys. 2016 , 629-691	1
507	Understanding the relationship between microstructure and mechanical properties of AlCuSi ultrafine eutectic composites. 2016 , 92, 1038-1045	37
506	Direct observation of shear-induced nanocrystal attachment and coalescence in CuZr-based metallic glasses: TEM investigation. 2016 , 665, 339-344	4
505	Effects of quenching rate on crack propagation in NiAl alloy using molecular dynamics. 2016 , 114, 13-17	3
504	Thermodynamics of equilibrium and partitionless solidifications in glass forming binary eutectic alloys. 2016 , 71, 18-23	6
503	The development of TiNi-based negative Poisson's ratio structure using selective laser melting. 2016 , 105, 75-83	162
502	Linking the thermal characteristics and mechanical properties of Fe-based bulk metallic glasses. 2016 , 663, 867-871	32
501	Structural investigation upon the high glass-forming ability in Fe-doped ZrCuAl multicomponent alloys. 2016 , 71, 24-30	3
500	Thermodynamics and kinetics of laser induced transformation in zirconium based bulk metallic glass. 2016 , 432, 237-245	6
499	Crystallization kinetics of MgCuNbCaAg metallic glasses. 2016 , 111, 75-80	11
498	Effect of counterpart material on the tribological properties of Zr-based bulk metallic glass under relatively heavy loads. 2016 , 346-347, 22-28	16
497	Effects of heat treatment on crystallization behavior, microstructure and the resulting microhardness of a (Fe _{0.9} Ni _{0.1}) ₇₇ Mo ₅ P ₉ C _{7.5} B _{1.5} bulk metallic glass composite. 2016 , 432, 313-318	8
496	Microstructure, mechanical properties, and crystallization behavior of Zr-based bulk metallic glasses prepared under a low vacuum. 2016 , 654, 87-94	17
495	Martensitic transformation induced plasticity in ZrCuAl metallic glass composites: Precipitate size and volume effects. 2016 , 68, 1-4	15
494	Amorphous Coatings and Surfaces on Structural Materials. 2016 , 41, 1-46	57
493	Melt undercooling and nucleation kinetics. 2016 , 20, 3-12	31

492	Effect of Aspect Ratio on the Evolution of Shear Bands in Zr _{61.7} Al ₈ Ni ₁₃ Cu ₁₇ Sn _{0.3} Bulk Metallic Glass. 2017 , 33, 99-104	12
491	Decoding flow unit evolution upon annealing from fracture morphology in metallic glasses. 2017 , 686, 65-72	5
490	Optimizing electrochemical micromachining parameters for Zr-based bulk metallic glass. 2017 , 25, 227-234	25
489	Influence of Nb on microstructure and mechanical properties of Ti-Sn ultrafine eutectic alloy. 2017 , 23, 20-25	9
488	Glass formation and structural properties of Zr ₅₀ Cu _{50-x} Al _x bulk metallic glasses investigated by molecular dynamics simulations. 2017 , 84, 62-73	24
487	Bulk Metallic Glasses for Healthcare: State of the Art and Prospects for the Future. 2017 , 261-299	1
486	Mechanism and kinetics of treatment of acid orange II by aged Fe-Si-B metallic glass powders. 2017 , 33, 1147-1152	18
485	Microstructure and mechanical properties of Zr-Ti-Cu-Nd metallic glass composites. 2017 , 702, 318-326	14
484	The Potential of Glasses/Ceramics as Bioactive Materials. 2017 , 99-143	
483	Pressure effects on structure and dynamics of metallic glass-forming liquid. 2017 , 146, 024507	37
482	Preparation, microstructure and properties of magnesium-Mg ₁₇ Al ₁₂ complex metallic alloy in situ composites. 2017 , 702, 626-635	7
481	On room-temperature quasi-elastic mechanical behaviour of bulk metallic glasses. 2017 , 129, 343-351	32
480	LaGa-based bulk metallic glasses. 2017 , 26, 018106	2
479	Tailoring microstructure, mechanical and tribological properties of NiTi thin films by controlling in-situ annealing temperature. 2017 , 628, 13-21	7
478	Improving plasticity and work-hardening capability of β -type bulk metallic glass composites by destabilizing β phases. 2017 , 689, 404-410	30
477	Micropatterning kinetics of different glass-forming systems investigated by thermoplastic net-shaping. 2017 , 137, 127-131	10
476	The effect of pressure on the crystallization of rapidly supercooled zirconium melts. 2017 , 19, 12310-12320	19
475	Role of late transition metals on pitting resistance of Zr-Ti-(Cu, Ni, Co)-Al bulk metallic glasses in 0.6 M NaCl aqueous solution. 2017 , 33, 1278-1288	12

474	Effects of B addition on glass forming ability and thermal behavior of FePC-based bulk metallic glasses. 2017 , 24, 442-447	2
473	Increasing fracture strength in bulk metallic glasses using ultrasonic nanocrystal surface modification. 2017 , 718, 246-253	14
472	Computational modeling sheds light on structural evolution in metallic glasses and supercooled liquids. 2017 , 3,	51
471	Serrated plastic flow behavior and microstructure in a Zr-based bulk metallic glass processed by surface mechanical attrition treatment. 2017 , 24, 475-482	9
470	Strong, ductile, and thermally stable Cu-based metal-intermetallic nanostructured composites. 2017 , 7, 40409	4
469	Peculiarities and usefulness of multicomponent bulk metallic alloys. 2017 , 707, 12-19	21
468	Cavitation bubble dynamics during pulsed laser ablation of a metallic glass in water. 2017 , 11, 24-29	10
467	Stress-induced mechanical heterogeneity in metallic glasses revealed by spatial nano-indentation. 2017 , 471, 91-94	1
466	Enhancement of tensile properties by the solid solution strengthening of nitrogen in Zr-based metallic glass composites. 2017 , 696, 461-465	11
465	Unusual plasticization for structural relaxed bulk metallic glass. 2017 , 699, 81-87	18
464	Plastic deformation behaviours of CuZr amorphous/crystalline nanolaminate: a molecular dynamics study. 2017 , 43, 1116-1124	12
463	Oxide-derived nanostructured metallic-glass electrodes for efficient electrochemical hydrogen generation. 2017 , 7, 27058-27064	12
462	Brazing method to join a novel Cu ₅₄ Ni ₆ Zr ₂₂ Ti ₁₈ bulk metallic glass to carbon steel. 2017 , 22, 714-718	8
461	Improvements in Microstructure and Wear Resistance of Plasma-Sprayed Fe-Based Amorphous Coating by Laser-Remelting. 2017 , 26, 778-786	7
460	Atomic clusters triggering nucleation and solidification of the metallic glass melt. 2017 , 121, 115902	
459	Influence of heat treatment on the properties of AlSi10Mg-based metal matrix composites reinforced with metallic glass flakes processed by gas pressure infiltration. 2017 , 51, 4165-4175	7
458	Metallic glass-strengthened thermoplastic elastomer composites. 2017 , 90, 37-41	4
457	Properties of bulk metallic glasses. 2017 , 58, 80-92	13

456	Hierarchical surface patterning of Ni- and Be-free Ti- and Zr-based bulk metallic glasses by thermoplastic net-shaping. 2017 , 73, 398-405	14
455	Evolution of the atomic structure of a supercooled Zr ₅₅ Cu ₃₅ Al ₁₀ liquid. 2017 , 82, 53-58	7
454	Plastic deformation mechanisms and size effect of Cu ₅₀ Zr ₅₀ /Cu amorphous/crystalline nanolaminate: A molecular dynamics study. 2017 , 129, 137-146	26
453	3D printing of large, complex metallic glass structures. 2017 , 117, 213-222	74
452	Crystallization and phase transformation behavior of TiCu-based bulk metallic glass composite with B ₂ particles. 2017 , 707, 87-91	9
451	Effects of hydrogen on the nanomechanical properties of a bulk metallic glass during nanoindentation. 2017 , 42, 25436-25445	13
450	Effect of yttrium addition on flow behavior of Cu-Zr-Al bulk metallic glass in the supercooled liquid region. 2017 , 35, 1035-1041	8
449	Electrochemical Behavior of HVOF-Sprayed Amorphous and Nanocrystalline Fe-Based Fe _{73.13} Si _{11.12} B _{10.79} Cr _{2.24} C _{2.72} Composite Coatings. 2017 , 26, 5538-5552	12
448	Correlation between local structure and glass forming ability enhanced by similar element substitution in (La-Ce)-Co-Al bulk metallic glasses. 2017 , 122, 085103	3
447	Kinetics, Thermodynamics, and Structure of Bulk Metallic Glass Forming Liquids. 2017 , 69, 2178-2186	17
446	Processing a glass-forming Zr-based alloy by selective laser melting. 2017 , 135, 133-141	69
445	Nanocrystals generated under tensile stress in metallic glasses with phase selectivity. 2017 , 9, 15542-15549	3
444	Micro/nano ductile-phases reinforced Fe-based bulk metallic glass matrix composite with large plasticity. 2017 , 707, 44-50	12
443	How Many Bulk Metallic Glasses Are There?. 2017 , 19, 687-693	29
442	Flexible strain sensors with high performance based on metallic glass thin film. 2017 , 111, 121906	50
441	Si-centered capped trigonal prism ordering in liquid Pd ₈₂ Si ₁₈ alloy study by first-principles calculations. 2017 , 7, 18093-18098	7
440	Elastocapillary bundling of high aspect-ratio metallic glass nanowires. 2017 , 111, 023107	5
439	Enhancement on GFA and mechanical properties of Ni-based bulk metallic glasses through Fe addition. 2017 , 90, 58-62	12

438	Modeling and simulation of microstructural evolution in Zr based Bulk Metallic Glass Matrix Composites during solidification. 2017 , 2, 3591-3606	6
437	Stability of shear banding process in bulk metallic glasses and composites. 2017 , 32, 2560-2569	8
436	Engineering Applications. 2017 , 683-737	1
435	Hierarchical heterogeneity and an elastic microstructure observed in a metallic glass alloy. 2017 , 139, 11-20	32
434	Effect of the cooling rate on the mechanical properties of Ti-Ni-Cu-Zr-based crystal/glassy alloys. 2017 , 704, 147-153	10
433	Analysis of the fragility of the Zr ₇₇ Ni ₂₃ metallic glass based on low-temperature heat capacity measurements. 2017 , 96,	3
432	Enhanced tensile plasticity of Zr based bulk metallic glasses by a stress induced large scale flow. 2017 , 727, 297-303	8
431	Spray Forming of Novel Materials. 2017 , 521-561	1
430	Tailoring crystallization phases in metallic glass nanorods via nucleus starvation. 2017 , 8, 1980	27
429	Structural responses of metallic glasses under neutron irradiation. 2017 , 7, 16739	20
428	Significantly enhanced memory effect in metallic glass by multistep training. 2017 , 96,	4
427	Criticality in Bulk Metallic Glass Constituent Elements. 2017 , 69, 2156-2163	4
426	Laser sintering of metallic medical materials—review. 2017 , 93, 2723-2752	9
425	Investigation of the deposition conditions on the microstructure of TiZrCuPd nano-glass thin films. 2017 , 131, 140-147	17
424	Hydrogen-induced amorphization of Zr-Cu-Ni-Al alloy. 2017 , 14, 145-150	
423	Kinetics and thermal stability of the Ni ₆₂ Nb _{38-x} Ta _x (x=5, 10, 15, 20 and 25) bulk metallic glasses. 2017 , 60, 1	3
422	Martensitic transformation in a B2-containing CuZr-based BMG composite revealed by in situ neutron diffraction. 2017 , 723, 714-721	15
421	Al-based amorphous alloys: Glass-forming ability, crystallization behavior and effects of minor alloying additions. 2017 , 707, 3-11	58

420	Fabrication and mechanical properties of bulk metallic glass matrix composites by in-situ dealloying method. 2017 , 707, 332-336	14
419	Effect of hydrogen addition on the mechanical properties of a bulk metallic glass. 2017 , 695, 3183-3190	17
418	A new class of non-crystalline materials: Nanogranular metallic glasses. 2017 , 707, 371-378	22
417	Glass-forming ability and thermoplastic formability of ferromagnetic (Fe, Co, Ni) 75 P 10 C 10 B 5 metallic glasses. 2017 , 707, 57-62	18
416	Advanced irradiation-resistant materials for Generation IV nuclear reactors. 2017 , 569-594	7
415	New soft magnetic Fe ₂₅ Co ₂₅ Ni ₂₅ (P, C, B) ₂₅ high entropy bulk metallic glasses with large supercooled liquid region. 2017 , 693, 25-31	47
414	Particle rearrangement and softening contributions to the nonlinear mechanical response of glasses. 2017 , 96, 032602	9
413	Effects of Pre-deformation Annealing on Mechanical Properties of Ti-Based Amorphous Alloys. 2017 , 46, 2366-2370	3
412	Effect of MoSi ₂ Content on Dry Sliding Tribological Properties of Zr-Based Bulk Metallic Glass Composites. 2017 , 26, 6219-6225	1
411	Formation of crystalline phase in the glass matrix of Zr-Co-Al glass-matrix composites and its effect on their mechanical properties. 2017 , 23, 1216-1222	12
410	Simulation of the Continuous Casting and Cooling Behavior of Metallic Glasses. 2017 , 10,	3
409	Reduced Fracture Toughness of Metallic Glass at Cryogenic Temperature. 2017 , 7, 151	5
408	On the Fragility of Bulk Metallic Glass Forming Liquids. 2017 , 19, 483	17
407	Glass Transition ?. 2017 ,	1
406	Free Volume Contributing to the Different Yield Behaviors between Tension and Compression Deformations in Metallic Glasses. 2017 , 7, 444	5
405	The Development of Structure Model in Metallic Glasses. 2017 , 20, 326-338	8
404	Microstructure and mechanical properties of Ti ₄₈ Zr ₁₈ V ₁₂ Cu ₅ Be ₁₇ bulk metallic glass composite. 2018 , 741, 1212-1221	7
403	Oxidation of amorphous alloys. 2018 , 34, 1977-2005	20

402	Effect of compressive deformation on thermal and corrosive properties of Zr _{61.7} Al ₈ Ni ₁₃ Cu ₁₇ Sn _{0.3} bulk metallic glass. 2018 , 32, 1850077	
401	Effect of Zr and Cu on Mechanical Properties, Glass Forming Ability and Thermal Stability of Zr _{63.68} Cu _{16.2} Ni _{10.12} Al ₁₀ Amorphous Alloy. 2018 , 225-238	1
400	On Temperature Rise Within the Shear Bands in Bulk Metallic Glasses. 2018 , 24, 481-488	5
399	Rapid Amorphization in Metastable CoSeO ₂ HO Nanosheets for Ultrafast Lithiation Kinetics. 2018 , 12, 5011-5020	40
398	Local structural mechanism for frozen-in dynamics in metallic glasses. 2018 , 97,	5
397	High strain rate sensitivity of hardness in Ti-Zr-Hf-Be-(Cu/Ni) high entropy bulk metallic glasses. 2018 , 742, 312-317	14
396	Modulating mechanical properties of Ti-based bulk metallic glass composites by tailoring dendrite composition with Sn addition. 2018 , 745, 16-25	12
395	Microstructure and crystallization mechanism of Ti-based bulk metallic glass by electron beam welding. 2018 , 32, 93-99	11
394	Electric-field control of ferromagnetism in a Co-Fe-Ta-B amorphous alloy. 2018 , 143, 65-71	5
393	Microstructural evolutions and fractal characteristics in medium range level in Al _x Ni _{100-x} alloys during rapid solidification process. 2018 , 744, 750-758	10
392	Deformation of Ti-Based Bulk Metallic Glass Under a Cutting Tip. 2018 , 66, 1	7
391	Liquid ejection temperature dependence of structure and glass transition behavior for rapidly solidified Zr-Al-M (M=Ni, Cu or Co) ternary glassy alloys. 2018 , 739, 1104-1114	5
390	Microstructural investigations of bulk metallic glass using small-angle neutron scattering techniques. 2018 , 551, 29-32	1
389	Electronic structure and glass forming ability in early and late transition metal alloys. 2018 , 98, 693-709	9
388	A CuZr-based bulk metallic glass composite with excellent mechanical properties by optimizing microstructure. 2018 , 483, 94-98	36
387	3D printing of Zr-based bulk metallic glasses with complex geometries and enhanced catalytic properties. 2018 , 94, 22-28	51
386	The effect of void defects on the shear band nucleation of metallic glasses. 2018 , 94, 114-118	15
385	Bulk metallic glass casting investigated using high-speed infrared monitoring and complementary fast scanning calorimetry. 2018 , 151, 416-423	13

384	Radiation-induced structural evolution in Zr ₂ Cu metallic glass. 2018 , 53, 10979-10986	10
383	Decoupling the effects of surface texture and chemistry on the wetting of metallic glasses. 2018 , 447, 355-362	10
382	Monotropic polymorphism in a glass-forming metallic alloy. 2018 , 30, 234002	7
381	Glass forming ability and bending plasticity evolutions in Zr-Co-Al bulk metallic glasses and their structural origin. 2018 , 488, 52-62	8
380	In-situ tensile testing of ZrCu-based metallic glass composites. 2018 , 8, 4651	24
379	Non-isothermal Crystallization Kinetics and Isothermal Crystallization Kinetics in Supercooled Liquid Region of Cu ₄₇ Zr ₄₅ Al ₈ Bulk Metallic Glass. 2018 , 31, 290-298	9
378	Exceptionally high nanoscale wear resistance of a Cu ₄₇ Zr ₄₅ Al ₈ metallic glass with native and artificially grown oxide. 2018 , 93, 312-317	24
377	New insights into melt hydrogenation effects on glass-forming ability in a Zr-based bulk metallic glass. 2018 , 481, 170-175	3
376	Formation of Zr-based bulk metallic glass with large amount of yttrium addition. 2018 , 92, 55-61	30
375	Adhesion of metallic glass and epoxy in composite-metal bonding. 2018 , 134, 186-192	17
374	Development and application of Fe-based soft magnetic bulk metallic glassy inductors. 2018 , 731, 1303-1309	28
373	Glass formation adjacent to the intermetallic compounds in Cu-Zr binary system. 2018 , 34, 605-612	16
372	Mechanical properties of Zr _{41.2} Ti _{13.8} Ni ₁₀ Cu _{12.5} Be _{22.5} bulk metallic glass with different geometric confinements. 2018 , 8, 1-6	
371	Enhanced mechanical properties of additively manufactured bulk metallic glasses produced through laser foil printing from continuous sheetmetal feedstock. 2018 , 19, 95-103	21
370	Fabrication and Properties of Micro- and Nanoscale Metallic Glassy Wires: A Review. 2018 , 20, 1700875	6
369	Thermal stability of the Ti-Zr-Cu-Pd nano-glassy thin films. 2018 , 735, 2197-2204	13
368	Evolution of crystalline phase during laser processing of Zr-based metallic glass. 2018 , 481, 299-305	18
367	Microgrinding characteristics of Zr-based bulk metallic glasses. 2018 , 94, 2401-2417	10

366	Deformation Behavior of a Co ₆₉ Fe ₄ Cr ₄ Si ₁₂ B ₁₁ Amorphous Wire for Different Types of Loading. 2018 , 2018, 954-960	3
365	Phonon Modes and Elastic Properties of Zr-Based Bulk Metallic Glasses: A Pseudopotential Approach. 2018 ,	
364	Molecular dynamics study of size and cooling rate effects on physical properties of Niobium nanoclusters. 2018 , 56, 2710-2717	3
363	Mechanical Properties of Nanostructured Metals: Molecular Dynamics Studies. 2018 , 1-23	1
362	Atomic imprinting into metallic glasses. 2018 , 1,	19
361	Near-Net Forming Complex Shaped Zr-Based Bulk Metallic Glasses by High Pressure Die Casting. 2018 , 11,	20
360	Continuously variable atomic structure in monatomic metallic glasses through active icosahedral dynamics below glass transition temperature. 2018 , 124, 125101	5
359	Prediction of Glass Forming Ability Through High Throughput Calculation. 2018 , 39, 562-570	4
358	Graded structure of laser direct manufacturing bulk metallic glass. 2018 , 103, 67-71	18
357	Evaluation of casting fluidity and filling capacity of Zr-based amorphous metal melts. 2018 , 25, 1163-1171	3
356	Crystallization Kinetics and Consolidation of Al ₈₂ La ₁₀ Fe ₄ Ni ₄ Glassy Alloy Powder by Spark Plasma Sintering. 2018 , 8, 812	2
355	Atomistic simulation study of favored compositions of Ni-Nb-Al metallic glasses. 2018 , 61, 1829-1838	3
354	Solid state amorphization in the Ni-Nb-Y system by mechanical alloying. 2018 , 502, 1-8	8
353	Applicability of χ Parameter on Glass Forming Ability of Zr-,Ti-,Hf-(Cu/Ni)-based Metallic Glasses. 2018 , 71, 2839-2843	
352	High-Intensity Pulsed Ion Beam Irradiation for Structural Stability of Metallic Glass Ni ₆₂ Ta ₃₈ . 2018 , 46, 2800-2804	1
351	Structural investigations of Fe-Ga alloys by high-energy x-ray diffraction. 2018 , 763, 223-227	14
350	Order in metallic glass: Maximum uniformity distribution of cluster electrochemical potential. 2018 , 215, 305-309	
349	Glass Forming Ability in Systems with Competing Orderings. 2018 , 8,	29

348	Effect of boron addition on thermal and mechanical properties of Co-Cr-Mo-C-(B) glass-forming alloys. 2018 , 99, 1-7	15
347	Kinetics of isochronal crystallization in a Fe-based amorphous alloy. 2018 , 753, 679-687	16
346	Microstructure and mechanical properties of a Cu-Zr based bulk metallic glass containing atomic scale chemical heterogeneities. 2018 , 729, 433-438	18
345	Effects of casting current on structure and properties of a nanostructured Zr ₄₀ Ti ₁₀ Be ₂₀ Al bulk metallic glass. 2018 , 25, 630-636	1
344	Fatigue and fracture behavior of bulk metallic glasses and their composites. 2018 , 98, 168-248	52
343	Zirconium Alloys for Orthopaedic and Dental Applications. 2018 , 20, 1800207	35
342	Microstructural evolution and tensile properties of an in-situ TiZr-based bulk metallic glass matrix composite after hot-pressing deformation in its supercooled liquid region. 2018 , 768, 415-424	4
341	Effect of Er on properties of Zr-based bulk metallic glasses. 2018 , 34, 1887-1892	2
340	Nanotribological properties of bulk metallic glasses. 2018 , 458, 344-349	4
339	3D printing metals like thermoplastics: Fused filament fabrication of metallic glasses. 2018 , 21, 697-702	73
338	Structure and dynamical properties of liquid NiZr and NiHf alloys: an ab initio molecular dynamics study. 2018 , 30, 365401	1
337	Effect of samarium doping on the nucleation of fcc-aluminum in undercooled liquids. 2018 , 154, 202-206	3
336	Deformation and fracture of a Zr-Al-Cu metallic glass ribbon under tension near glass transition temperature. 2018 , 15, 216-221	3
335	The design and mechanical behaviors of in-situ formed ductile dendrite Ti-based bulk metallic glass composites with tailored composition and mechanisms. 2018 , 732, 148-156	12
334	Atomistic Simulations to Predict Favored Glass-Formation Composition and Ion-Beam-Mixing of Nano-Multiple-Metal-Layers to Produce Ternary Amorphous Films. 2018 , 8, 129	1
333	Tensile Creep Characterization and Prediction of Zr-Based Metallic Glass at High Temperatures. 2018 , 8, 457	5
332	Stress-induced elastic modulus evolution in metallic glasses. 2018 , 5, 076505	
331	Local atomic order of a metallic glass made visible by scanning tunneling microscopy. 2018 , 30, 245702	5

330	Ultrasonic assisted micro-shear punching of amorphous alloy. 2018 , 6, 545-551	25
329	A machine learning approach for engineering bulk metallic glass alloys. 2018 , 159, 102-111	97
328	Influence of oxygen on the glass formation of MoD binary alloys. 2018 , 500, 210-216	5
327	Study of Glass Forming on Cu60.0Zr32.5Ti7.5 Alloy by Molecular Dynamics Simulation. 2018 , 21,	1
326	High pressure high temperature devitrification of Fe78B13Si9 metallic glass with simultaneous x-ray structural characterization. 2018 , 123, 215901	
325	Size-dependent mechanical responses of metallic glasses. 2019 , 64, 163-180	20
324	Research on high-Al Cu-Zr-Al-Y bulk metallic glass and its composites. 2019 , 770, 1029-1037	6
323	A macro-and microscopic model characterizing unstable shear banding in metallic glass. 2019 , 6, 106580	1
322	In situ study of the shear band features of a CuZr-based bulk metallic glass composite. 2019 , 112, 106523	13
321	Applications of Amorphous Alloy/Metallic Glass for Environmental and Energy Engineering, Electronics Engineering, and Biomedical Engineering Fields. 2019 , 23-59	
320	Work-hardenable Zr-based bulk metallic glass composites reinforced with ex-situ TiNi fibers. 2019 , 806, 1497-1508	5
319	Development of Bulk Metallic Glass Matrix Composites (BMGMC) by Additive Manufacturing: Modelling and Simulation [A Review: Part B. 2019 , 1154, 40-79	0
318	Development of Bulk Metallic Glass Matrix Composites (BMGMC) by Additive Manufacturing: Modelling and Simulation [A Review: Part A. 2019 , 1154, 1-39	1
317	Metallic glasses for biodegradable implants. 2019 , 176, 297-305	14
316	Metallic Glasses for Biomedical Applications. 2019 , 421-433	1
315	Combinatorial Development and In Vitro Characterization of the Quaternary ZrTiX ₂ Y (X,Y = CuAg/CoNi) Metallic Glass for Prospective Bioimplants. 2019 , 21, 1900726	6
314	Optimizing the magnetic properties of Fe-based amorphous powder by adjusting atomic structures from vitrification at different temperatures. 2019 , 126, 165109	1
313	Manufacturing Techniques of Bulk Metallic Glasses. 2019 , 137-148	2

312	Multicomponent bulk metallic glasses with elevated-temperature resistance. <i>MRS Bulletin</i> , 2019 , 44, 867-872	3.2	7
311	Automated Computation of Materials Properties. 2019 , 181-222		1
310	Electrochemical Behavior of Cu ₆₀ Zr ₂₅ Ti ₁₅ Bulk Metallic Glass with the Addition of Nb and Mo. 2019 , 28, 6874-6884		6
309	Collective dynamics of Zr-based bulk metallic glasses. 2019 , 62, 284-295		5
308	Amorphous magnetic semiconductors with Curie temperatures above room temperature. 2019 , 40, 081510		5
307	. 2019 , 107, 2065-2083		35
306	Development of Bulk Metallic Glasses and their Composites by Additive Manufacturing [Evolution, Challenges and a Proposed Novel Solution. 2019 , 1155, 1-28		1
305	Al-Based Amorphous Metallic Plastics. 2019 , 21, 1800930		7
304	Impact of free volume on shear band multiplication and bending plasticity. 2019 , 747, 136-143		1
303	Structural origin of the high glass-forming ability of CeGaCu alloys. 2019 , 21, 4209-4214		2
302	Impurity-enhanced solid-state amorphization: the Ni ₅ Bi thin film reaction altered by nitrogen. 2019 , 52, 145301		5
301	On the effect of hydrostatic stress on plastic deformation in metallic glasses. 2019 , 521, 119485		10
300	A review of catalytic performance of metallic glasses in wastewater treatment: Recent progress and prospects. 2019 , 105, 100576		130
299	Severe Plastic Deformation of Amorphous Alloys. 2019 , 60, 1283-1293		21
298	Direct measurement of nanostructural change during in situ deformation of a bulk metallic glass. 2019 , 10, 2445		30
297	Crystallization kinetics of Si ₂₀ Te _{80-x} Bix (0 ≤ x ≤ 10) chalcogenide glasses. 2019 , 246, 34-41		8
296	Low-cost Zr-based bulk metallic glasses for biomedical devices applications. 2019 , 520, 119442		8
295	Property optimization of Zr-Ti-X (X = Ag, Al) metallic glass via combinatorial development aimed at prospective biomedical application. 2019 , 372, 278-287		14

294	Effect of loading rate on creep behavior and shear transformation zone in amorphous alloy thin films, and its correlation with deformation mode transition. 2019 , 681, 23-31	8
293	Shear Bands Behavior in Notched Cu ₆₀ Zr ₃₀ Ti ₁₀ Metallic Glass. 2019 , 195-203	
292	Flash DSC determination of the delay time for primary crystallization and minor alloying effect in marginal Al-based metallic glasses. 2019 , 677, 91-98	6
291	Investigation of shear transformation zone and ductility of Zr-based bulk metallic glass after plasma-assisted hydrogenation. 2019 , 759, 105-111	13
290	Investigations in nanosecond laser micromachining on the Zr _{52.8} Cu _{17.6} Ni _{14.8} Al _{9.9} Ti _{4.9} bulk metallic glass: experimental and theoretical study. 2019 , 273, 116232	10
289	Effect of pre-existing nuclei on crystallization during laser welding of Zr-based metallic glass. 2019 , 513, 55-63	9
288	Ordered nanocrystal formation in Cu ₅₀ Zr ₄₅ Ti ₅ metallic glass. 2019 , 448, 57-60	
287	Amorphous FeZr metal for multi-functional sensor in electronic skin. 2019 , 3,	8
286	Tuning the glass forming ability and mechanical properties of Ti-based bulk metallic glasses by Ga additions. 2019 , 793, 552-563	10
285	Optimization of mechanical and corrosion properties of plasma sprayed low-chromium containing Fe-based amorphous/nanocrystalline composite coating. 2019 , 370, 255-268	30
284	Microstructure and corrosion behavior of Fe-based amorphous composite coatings developed by atmospheric plasma spraying. 2019 , 796, 47-54	19
283	High-temperature bulk metallic glasses developed by combinatorial methods. 2019 , 569, 99-103	98
282	The effect of atomic concentration on the structural evolution of Zr _{100-x} Cox alloys during rapid solidification process. 2019 , 513, 84-96	7
281	Structural heterogeneities and mechanical behavior of amorphous alloys. 2019 , 104, 250-329	248
280	A novel approach to achieving a low Young's modulus in titanium-based metallic glasses. 2019 , 8, 22-28	10
279	Fine tuning the microstructure and mechanical properties of a Zr-based bulk metallic glass using electropulsing treatment. 2019 , 789, 704-711	5
278	Metallic Glassy Thin Films: Perspective on Mechanical, Magnetic, Biomedical, and Optical Properties. 2019 , 21, 1900046	1
277	Programmable super elastic kirigami metallic glasses. 2019 , 169, 107687	13

276	The embrittlement and toughening of metallic glasses from nano-crystallization. 2019 , 125, 145101	9
275	Preparation of bulk metallic glasses by modifying local structure of icosahedral quasicrystals. 2019 , 109, 97-104	5
274	Functional Applications of Metallic Glasses in Electrocatalysis. 2019 , 11, 2401-2414	32
273	Novel electrical transport properties of native Fe-Nb oxide layers leading to unilateral conductivity of a refractory metallic glass. 2019 , 5, e01424	3
272	Mechanical behavior of CuZr dual-phase nanocrystal-metallic glass composites. 2019 , 163, 290-300	11
271	Phase separation process preventing thermal embrittlement of a Zr-Cu-Fe-Al bulk metallic glass. 2019 , 167, 31-36	18
270	Structural behavior of Tantalum monatomic metallic glass. 2019 , 510, 81-92	16
269	Similar atom substitution effect on the glass forming ability in (La Ce) Al-(Ni Co) bulk metallic glasses using electron structure guiding. 2019 , 786, 250-256	6
268	Short-range structural origins of serration events in metallic glasses. 2019 , 787, 840-850	4
267	Investigation of glass forming ability in the Zr-rich part of the Zr-Fe-Al ternary system. 2019 , 125, 065101	4
266	Static and Dynamic Thermal Properties of a Pd ₄₀ Ni ₄₀ Si ₂₀ Glassy Alloy. 2019 , 9, 1157	
265	Fast surface dynamics enabled cold joining of metallic glasses. 2019 , 5, eaax7256	44
264	Particle pinning suppresses spinodal criticality in the shear-banding instability. 2019 , 100, 052110	0
263	A Multiple Twin-Roller Casting Technique for Producing Metallic Glass and Metallic Glass Composite Strips. 2019 , 12,	3
262	Amorphous/nanocrystalline alloys: fabrication, properties, and applications. 2019 , 4, 100027	39
261	Anomalous self-diffusion, structural and energy relaxations and temporal scaling laws in pure tantalum and pure vanadium metallic glasses. 2019 , 126, 215110	1
260	A transferable machine-learning framework linking interstice distribution and plastic heterogeneity in metallic glasses. 2019 , 10, 5537	31
259	Corrosion behaviors and mechanisms of in-situ Ti-based MGMCs in chloride-containing and chloride-free solutions. 2019 , 105, 179-186	8

258	Influence of Ag replacement on the formation and heating-induced phase decomposition of Zr ₆₅ Al _{7.5} Co _{27.5-x} Ag _x (x=5 to 20 at%) glassy alloys. 2019 , 783, 545-554	5
257	Porous Ti-based bulk metallic glass with excellent mechanical properties and good biocompatibility. 2019 , 105, 153-162	20
256	Serration dynamics in the presence of chemical heterogeneities for a Cu-Zr based bulk metallic glass. 2019 , 775, 298-303	11
255	In-situ visualizing atomic structural evolution during crystallization in ternary Zr Cu Al bulk metallic glasses. 2019 , 105, 173-178	7
254	Origin of serrated flow in bulk metallic glasses. 2019 , 124, 634-642	26
253	3D surface condensation of large atomic shear strain in nanoscale metallic glasses under low uniaxial stress. 2019 , 31, 025401	1
252	Co-Cr-Mo-C-B metallic glasses with wide supercooled liquid region obtained by systematic adjustment of the metalloid ratio. 2019 , 505, 310-319	4
251	Improving plasticity of metallic glass by electropulsing-assisted surface severe plastic deformation. 2019 , 165, 107581	20
250	Microstructures in the joint of zirconium-based bulk metallic glass and copper. 2019 , 6, 026511	1
249	Nanoshaping of glass forming metallic liquids by stretching: evading lithography. 2019 , 30, 075302	8
248	Design novel Ti-based metallic glass matrix composites with excellent dynamic plasticity. 2019 , 773, 844-852	8
247	Rejuvenated metallic glass strips produced via twin-roll casting. 2020 , 38, 73-79	16
246	Reentrant glass transition leading to ultrastable metallic glass. 2020 , 34, 66-77	21
245	Review of structural models for the compositional interpretation of metallic glasses. 2020 , 65, 286-296	15
244	Effect of Different Cooling Rates in High Rheological Rate Forming Process on Mechanical Properties of Zr ₅₇ Cu ₂₀ Al ₁₀ Ni ₈ Ag ₅ Bulk Metallic Glass. 2020 , 26, 1415-1419	3
243	Revealing hidden supercooled liquid states in Al-based metallic glasses by ultrafast scanning calorimetry: Approaching theoretical ceiling of liquid fragility. 2020 , 63, 157-164	4
242	Microstructural evolution in amorphous-nanocrystalline ZrCu alloy under neutron irradiation. 2020 , 182, 18-28	11
241	Effect of the fictive temperature on the modulus, hardness, yield strength, dynamic mechanical and creep response of Zr ₄₄ Ti ₁₁ Cu ₁₀ Ni ₁₀ Be ₂₅ metallic glasses. 2020 , 819, 152979	8

240	Stochastic deformation and shear transformation zones of the glassy matrix in CuZr-based metallic-glass composites. 2020 , 125, 52-62	34
239	Prediction of good glass forming ability in amorphous soft magnetic alloys by thermocalc simulation with experimental validation. 2020 , 814, 152294	8
238	Annealing effect on elastic and structural behavior of Tantalum monatomic metallic glass. 2020 , 243, 122636	8
237	Simultaneously enhancing strength and toughness of Zr-based bulk metallic glasses via minor Hf addition. 2020 , 118, 106685	5
236	Joining mechanism of bulk metallic glasses in their supercooled liquid region. 2020 , 279, 116583	5
235	Rare-earth and precious-metal free Cu-based metallic glasses with superior glass-forming ability and processability. 2020 , 116, 011901	9
234	Revisiting the effect of aspect ratio on shear band evolution by hydrostatic-stress embedded free-volume theory. 2020 , 531, 119861	
233	Dynamic mechanical behaviors of a metastable E-type bulk metallic glass composite. 2020 , 819, 153040	6
232	Formation, structure and properties of pseudo-high entropy clustered bulk metallic glasses. 2020 , 820, 153164	4
231	Notch Effect on Plastic Deformation of Metallic Glass: A Numerical Study by Revised Free-Volume Theory. 2020 , 2020, 1-13	
230	Towards additively manufacturing excavating tools for future robotic space exploration. 2020 , 2, e12219	4
229	Dynamic mechanical relaxation in Zr ₆₅ Ni ₇ Cu ₁₈ Al ₁₀ metallic glass. 2020 , 546, 120266	5
228	Effect of chemical composition on the fracture toughness of bulk metallic glasses. 2020 , 12, 100828	10
227	Changes in short- and medium-range order in metallic liquids during undercooling. <i>MRS Bulletin</i> , 2020 , 45, 943-950	3.2 8
226	A new perspective to thermodynamical designing of high entropy bulk metallic glasses (HE-BMGs). 2020 , 595, 412350	6
225	Tailored hardening of ZrCuAl bulk metallic glass induced by 2D gradient rejuvenation. 2020 , 12,	10
224	Icosahedral and dodecahedral quasicrystal plus glass alloys with plastic deformability. 2020 , 199, 1-8	3
223	Structural rejuvenation and toughening of bulk metallic glass via ultrasound excitation technique. 2020 , 63, 2395-2402	0

222	Effect of infiltrating time on interfacial reaction and properties of tungsten particles reinforced Zr-based bulk metallic glass composites. 2020 , 17, 253-259	1
221	Viscous Flow of Supercooled Liquid in a Zr-Based Bulk Metallic Glass Synthesized by Additive Manufacturing. 2020 , 13,	8
220	Different Thermal Responses of Local Structures in Pd ₄₃ Cu ₂₇ Ni ₁₀ P ₂₀ Alloy from Glass to Liquid. 2020 , 124, 19817-19828	2
219	Improved Mechanical Properties and Corrosion Resistance of Mg-Based Bulk Metallic Glass Composite by Coating with Zr-Based Metallic Glass Thin Film. 2020 , 10, 1212	1
218	The dissolution characteristics and wire electrochemical micromachining of metallic glass Ni ₈₂ Cr ₇ Si ₅ Fe ₃ B ₃ . 2020 , 58, 884-893	4
217	Physical origin of glass formation from multicomponent systems. 2020 , 6,	15
216	Mg-Based Materials with Quasiamorphous Phase Produced by Vertical Twin-Roll Casting Process. 2020 , 10, 452	3
215	Coordinate transformation methodology for simulating quasistatic elastoplastic solids. 2020 , 101, 053304	1
214	Correlation Between Dynamic Compressive Strength and Fracture Behaviors of Bulk Metallic Glasses. 2020 , 33, 1407-1415	1
213	Formation of two glass phases in binary Cu-Ag liquid. 2020 , 195, 274-281	15
212	Novel phase decomposition, good soft-magnetic and mechanical properties for high-entropy (Fe _{0.25} Co _{0.25} Ni _{0.25} Cr _{0.125} Mn _{0.125}) _{100-x} B _x (x = 9-3) amorphous alloys. 2020 , 843, 155917	11
211	Introduction. 2020 , 1-11	1
210	Machine learning bridges local static structure with multiple properties in metallic glasses. 2020 , 40, 48-62	19
209	Investigation of glass forming ability of Al-based metallic glasses by measuring vaporization enthalpy. 2020 , 10, 4162	0
208	Forming of metallic glasses: mechanisms and processes. 2020 , 7, 100077	14
207	Effect of Strain Rate on Compressive Behavior of a Zr-Based Metallic Glass under a Wide Range of Strain Rates. 2020 , 13,	1
206	Ternary Co-W-B bulk metallic glasses with ultrahigh strength. 2020 , 544, 120194	7
205	Inverted core-shell potential energy landscape of icosahedral clusters in deeply undercooled metallic liquids and glasses and its effect on the glass forming ability of bcc and fcc metals. 2020 , 32, 405402	3

204	Effect of alloying elements on the microstructure and corrosion behavior of TiZr-based bulk metallic glasses. 2020 , 177, 108854	13
203	Structural evolution and energy landscape of Zr ₅₅ Cu ₃₅ Al ₁₀ ternary alloy during glass transition. 2020 , 825, 154109	
202	Experimental analysis on the quality aspects of micro-channels in mechanical micro milling of Zr-based bulk metallic glass. 2020 , 158, 107622	3
201	A high-strength CoFeTaB metallic-glass phase enabled tensile plasticity in CoFeTaB oxide glass matrix nanocomposites. 2020 , 116, 081903	4
200	Crystallization and growth kinetics of Zr ₆₅ Cu ₂₅ Ni ₅ Ag _{2.5} Al _{2.5} glass. 2020 , 2, e137	
199	Numerical study on deformation behavior of bulk metallic glass composites via modified free-volume theory. 2020 , 119, 106717	2
198	Preparation of Fe-Co-B-Si-Nb bulk metallic glasses by laser powder bed fusion: Microstructure and properties. 2020 , 162, 110206	18
197	Shear Softening in a Metallic Glass: First-Principles Local-Stress Analysis. 2020 , 124, 085503	9
196	Robust and reproducible fabrication of large area aluminum (Al) micro/nanorods arrays by superplastic nanomolding at room temperature. 2020 , 13, 036503	5
195	Two-way tuning of structural order in metallic glasses. 2020 , 11, 314	17
194	Numerical Study on the Fatigue Limit of Metallic Glasses under Cyclic Tension-Compression Loading. 2020 , 13,	1
193	Achieving work hardening by forming boundaries on the nanoscale in a Ti-based metallic glass matrix composite. 2020 , 50, 192-203	7
192	Ballistic Resistance of Novel Amorphous-Alloy-Reinforced Perforated Armor. 2021 , 34, 12-26	1
191	Dynamic fracture behavior of Zr ₆₃ Cu ₁₂ Ni ₁₂ Al ₁₀ Nb ₃ metallic glass under high strain-rate loading. 2021 , 853, 157110	6
190	Controlling microstructure of FeCrMoBC amorphous metal matrix composites via laser directed energy deposition. 2021 , 857, 157537	4
189	Defects activation in CoFe-based metallic glasses during creep deformation. 2021 , 69, 42-47	5
188	Effect of time on the isothermal viscosity of metallic glass supercooled liquids. 2021 , 863, 158067	2
187	Microstructural evolution in ZrCu metallic glass under neutron irradiation. 2021 , 188, 110183	2

186	Investigating Thermophysical Properties Under Microgravity: A Review. 2021 , 23, 2001223	5
185	Ultrastability of metallic supercooled liquid induced by vibration. 2021 , 194, 113606	4
184	Highly efficient and robust catalysts for the hydrogen evolution reaction by surface nano engineering of metallic glass. 2021 , 9, 5415-5424	9
183	Nanoscale viscosity of triboreactive interfaces. 2021 , 79, 105447	3
182	Cytocompatibility, stability and osteogenic activity of powder metallurgy Ta-xZr alloys as dental implant materials. 2021 , 35, 790-798	2
181	Shear bands of as-cast and semi-solid Ti ₄₈ Zr ₂₇ Cu ₆ Nb ₅ Be ₁₄ bulk metallic glass matrix composites. 2021 , 18, 75-82	
180	The Influence of Shear on the Liquid-Liquid Transition and Crystallization of Undercooled Zr 41.2Ti 13.8Cu 12.5Ni 10.0Be 22.5 Bulk Metallic Glass Forming Alloy.	
179	Solidification. 2021 , 45-96	
178	Numerical Determination of Critical Configuration for Mechanical Properties of Metallic Glasses with Notches. 2021 , 13, 235-244	
177	Experimental and molecular dynamics studies of phase transformations during cryogenic thermal cycling in complex TiNi-based crystalline/amorphous alloys. 2021 , 854, 155379	3
176	Bulk Metallic Glasses. 2021 , 919-936	1
175	Combinatorial measurement of critical cooling rates in aluminum-base metallic glass forming alloys. 2021 , 11, 3903	2
174	Free volume evolution dominated by glass forming ability determining mechanical performance in Zr Ti ₆₅ -Be _{27.5} Cu _{7.5} metallic glasses. 2021 , 804, 140764	6
173	Critical cooling rates for amorphous-to-ordered complexion transitions in Cu-rich nanocrystalline alloys. 2021 , 206, 116650	8
172	Perforated Plate for Ballistic Protection A Review. 2021 , 11, 526	2
171	Temperature-dependent deformation behavior of a CuZr-based bulk metallic glass composite. 2021 , 858, 158368	3
170	Synthesis of Bulk Zr ₄₈ Cu ₃₆ Al ₈ Ag ₈ Metallic Glass by Hot Pressing of Amorphous Powders. 2021 , 5, 23	2
169	Unveiling correlation between α relaxation and yielding behavior in metallic glasses. 2021 , 103,	0

168	Widely tunable optical properties via oxygen manipulation in an amorphous alloy. 2021 , 64, 2305-2312	2
167	Order and Disorder in Amorphous and High-Entropy Materials. 2021 , 52, 2111-2122	5
166	Development of Bulk Metallic Glasses and their Composites by Additive Manufacturing - Evolution, Challenges and a Proposed Novel Solution. 1163, 1-26	2
165	Dependence of ductile-brittle transition related with serrated flow on viscosity dominated by glass forming ability in $Zr_xTi_{65-x}Be_{27.5}Cu_{7.5}$ metallic glasses. 2021 , 811, 141057	3
164	Effect of the initial temperature on the shock response of Cu ₅₀ Zr ₅₀ bulk metallic glass by molecular dynamics simulation. 2021 , 129, 165103	5
163	Soldering Zr metallic glass to Ti alloy using pre-cladding ultrasonic processes. 2021 , 65, 1225-1234	1
162	Semiconductor Thin Films for Information Technology. 2021 , 257-284	
161	Microstructure and mechanical properties of Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ amorphous alloy with high-energy states produced by strip casting. 2021 , 861, 158542	3
160	Cytocompatibility of Ti-xZr alloys as dental implant materials. 2021 , 32, 50	5
159	Atomistic understanding of creep and relaxation mechanisms of Cu ₆₄ Zr ₃₆ metallic glass at different temperatures and stress levels. 2021 , 559, 120676	7
158	Nanoglass and Nanocrystallization Reactions in Metallic Glasses. 2021 , 8,	0
157	Mechanism of nanocrystallization temperature shifting during ion irradiation of metallic glasses. 2021 , 497, 28-33	
156	Ab initio molecular dynamics study on local structure and dynamic properties of liquid Ni ₆₂ Nb ₃₈ alloy. 2021 , 27, 102207	
155	Hafnium based metallic glasses with high density and high glass-forming ability. 2021 , 882, 160896	4
154	Atomic dynamics of metallic glass melts La ₅₀ Ni ₁₅ Al ₃₅ and Ce ₇₀ Cu ₁₉ Al ₁₁ studied by quasielastic neutron scattering. 2021 , 103,	1
153	Effect of sulfur on the glass-forming ability, phase transformation, and thermal stability of Cu-Zr-Al bulk metallic glass. 2021 , 212, 116923	3
152	Icosahedral clusters in Cu _{100-x} Zr _x (x=32,34,36,38.2,40 at.%) metallic glasses near the peak of glass-forming ability (x=36): A balance between population and encaging strength. 2021 , 154, 110076	1
151	Biocompatibility of a micro-arc oxidized ZrCuAlAg bulk metallic glass. 2021 , 13, 486-497	1

150	3D printing of bulk metallic glasses. 2021 , 145, 100625	24
149	Rational design of chemically complex metallic glasses by hybrid modeling guided machine learning. 2021 , 7,	4
148	Dynamical and structural properties of metallic liquid and glass Zr ₄₈ Cu ₃₆ Ag ₈ Al ₈ alloy studied by molecular dynamics simulation. 2021 , 566, 120890	3
147	The potential of chemical bonding to design crystallization and vitrification kinetics. 2021 , 12, 4978	16
146	Composition and size dependent torsion fracture of metallic glasses. 2021 , 82, 153-160	1
145	Role of a fractal shape of the inclusions on acoustic attenuation in a nanocomposite. 2021 , 9, 081109	0
144	Effect on microstructure and plastic deformation behavior of a Zr-based amorphous alloy by cooling rate control. 2021 , 82, 1-9	5
143	Analysis of Nucleation and Glass Formation by Chip Calorimetry. 2021 , 11, 7652	
142	CuZr-based bulk metallic glass and glass matrix composites fabricated by selective laser melting. 2021 , 81, 139-150	7
141	Cu-based amorphous alloy plates fabricated via twin-roll strip casting. 2021 , 828, 142123	1
140	Pronounced Relaxation in plastic FeNi-based bulk metallic glasses and its structural origin. 2021 , 136, 107234	3
139	Anisotropic Mechanical Response and Strain Localization of a Metallic Glassy-Fiber-Reinforced Polyethylene Terephthalate Fabric. 2021 , 14,	0
138	The effect of shear on the liquid-liquid transition and crystallization of the undercooled ZrTiCuNiBe(Vit1) bulk metallic glass forming alloy. 2021 , 33,	
137	Effects of oxygen on local atomic order and diffusion properties in Al-Ni glass-forming liquids. 2021 , 881, 160521	2
136	Intrinsic and extrinsic effects on the fracture toughness of ductile metallic glasses. 2021 , 162, 104066	2
135	Micro-alloying effects of Co on structural and dynamic properties of CeAlCu glass-forming melts by ab initio molecular dynamics simulations. 2021 , 572, 121109	1
134	Isothermal crystallization kinetics of an industrial-grade Zr-based bulk metallic glass. 2021 , 573, 121145	4
133	Manipulating internal flow units toward favorable plasticity in Zr-based bulk-metallic glasses by hydrogenation. 2022 , 102, 36-45	3

132	Mechanical properties and corrosion resistance of powder metallurgical Mg-Zn-Ca/Fe bulk metal glass composites for biomedical application. 2022 , 103, 73-83	2
131	Molecular dynamics simulation of the effect of temperature and size on the mechanical behavior of Cu ₅₀ Zr ₅₀ metallic glass. 2021 , 44, 2112-2115	
130	Interface design enabled manufacture of giant metallic glasses. 2021 , 64, 964-972	10
129	The Structure of the Welded Zone and Phase Transformation Behavior of Ni-Based Bulk-Glass Forming Alloy. 1-8	1
128	Development and Applications of Late Transition Metal Bulk Metallic Glasses. 2008 , 1-25	7
127	Evaluation Of Glass-Forming Ability. 2008 , 87-115	5
126	Wear Behaviors of a Cu-Based Bulk Metallic Glass under Various Gas Atmosphere. 2009 , 270-272	1
125	Mechanical Properties of Nanostructured Metals: Molecular Dynamics Studies. 2019 , 591-613	1
124	Formation of micro/nano pits with high catalytic activity on Fe ₈₀ B ₂₀ amorphous alloy. 2018 , 141, 109-116	7
123	On the mechanical properties of particle reinforced metallic glass matrix composites. 2018 , 737, 271-294	11
122	Probabilistic Assessment of Glass Forming Ability Rules for Metallic Glasses Aided by Automated Analysis of Phase Diagrams. 2019 , 9, 357	14
121	Déformation élastique induite par nanoindentation cyclique de verres métalliques à base de Zirconium. 2011 , 99, 471-481	1
120	Modeling of Top Burr Formation in Micro-End Milling of Zr-Based Bulk Metallic Glass. 2019 , 7,	2
119	Fatigue of Metallic Glasses. 2020 , 72,	9
118	Local Structural Features of Metallic Alloys: Ni ₃₃ Zr ₆₇ and Ni ₅₀ Zr ₅₀ . 2016 , 129, 293-296	1
117	Endformnahe Mikrobauteile durch superplastische Umformung von metallischem Massivglas. 2006 , 43, 215-223	3
116	Corrosion of Amorphous Metals. 2005 , 476-489	3
115	Formation of Nano-oxides on Porous Metallic Glass Compacts using Hydrothermal Synthesis. 2015 , 22, 229-233	1

114	Effect of Precipitation on the Hardness of Ternary Metallic Glass. 2017 , 07, 255-262	3
113	Simulation of Solidification Parameters during Zr Based Bulk Metallic Glass Matrix Composite (BMGMCs) Additive Manufacturing. 2018 , 10, 85-108	2
112	Modelling and Simulation of Solidification Phenomena during Additive Manufacturing of Bulk Metallic Glass Matrix Composites (BMGMC) A Brief Review and Introduction of Technique. 2018 , 08, 67-116	4
111	Melt Infiltration Casting Of Zr ₅₇ Al ₁₀ Nb ₅ Cu _{15.4} Ni _{12.9} Amorphous Matrix Composite. 2004 , 03, 91-98	
110	Thermal Stability, Mechanical Properties and Magnetic Properties of Fe-based Amorphous Ribbons with the Addition of Mo and Nb. 2013 , 18, 395-399	4
109	Effects of the Addition of Co or Ni Atoms on Structure and Magnetism of FeB Amorphous Alloy: Ab Initio Molecular Dynamics Simulation. 2021 , 14,	0
108	Palladium-Based Metallic Glass with High Thrombogenic Resistance for Blood-Contacting Medical Devices. 2108256	1
107	Effect of Strain Rate and Extrinsic SIZE Effect on Micro-Mechanical Properties of Zr-Based Bulk Metallic Glass. 2021 , 11, 1611	0
106	Formation of photo-reactive heterostructure from a multicomponent amorphous alloy with atomically random distribution. 2021 , 109, 245-245	0
105	Rapid Solidification and Bulk Metallic Glasses [Processing and Properties. 2007 , 17-1-17-44	
104	Crystallization of Amorphous Material. 2007 , 6-1-6-27	1
103	Formation and Mechanical Properties of Bulk Glassy and Quasicrystalline Alloys in Zr-Al-Cu-Ti System. 2008 , 235-244	
102	A Model of Non-Cooperative Dynamic Game to Conflict Resolution Among Common Natural Resource Operators. 2009 , 9, 2156-2161	2
101	Formation of Bone-Like Hydroxyapatite on Surface-Modified Bulk Metallic Glass Using a Hydrothermal-Electrochemical Method. 23-28	
100	Introduction. 2011 , 1-5	
99	Introduction. 2011 , 1-5	
98	Plastic behavior of Zr ₅₁ Ti ₅ Ni ₁₀ Cu ₂₅ Al ₉ metallic glass under planar shock loading. 2012 , 61, 196202	
97	Bulk Metallic Glass Composites Fabricated within the Supercooled Liquid Region. 2013 , 3221-3228	

96	General Introduction. 2015 , 1-16	
95	Nanoindentation Investigations of (As ₂ Se ₃) _{1-x} :Sn _x and (As ₄ S ₃ Se ₃) _{1-x} :Sn _x Glasses. 2015 , 161-175	
94	Bulk Metallic Glass: A Superior Erosion and Cavitation Resistant Material. 2015 , 669-677	
93	Hydrogenated versus Fluorinated Surfactants. 3107-3119	1
92	Characterization of nanoscale structural heterogeneity in an amorphous alloy by synchrotron small angle X-ray scattering. 2017 , 66, 176109	1
91	Research progress in U-based amorphous alloys. 2017 , 66, 176104	2
90	Metastable Glasses. 2017 , 49-83	
89	A brief introduction to bulk metallic glasses. 2019 , 1-13	
88	A brief introduction to bulk metallic glasses. 2019 , 1-13	
87	A brief introduction to bulk metallic glasses. 2019 , 1-13	
86	Bulk intrinsic heterogeneity of metallic glasses probed by Meissner effect. 2020 , 119, 106721	0
85	Crystallographic Considerations. 2020 , 1-56	
84	Significant room-temperature plasticity in a high Zr-containing bulk glassy alloy. 2020 , 35, 1590-1597	1
83	Microstructural evolution and mechanical properties in Zr ₄₀ Al ₁₀ Ni ₁₀ B bulk metallic glass composites prepared by laser metal deposition. 2022 , 140, 107393	0
82	Phase Transformations from Nanocrystalline to Amorphous (ZrNiAl)W (x; 0, 2, 10, 20, 35 at. %) and Subsequent Consolidation. 2021 , 11,	0
81	Data-driven discovery of a universal indicator for metallic glass forming ability. 2021 ,	6
80	Microstructure [Magnetic Properties Relationship in Nano-Clustered Glassy Magnets. 2005 , 437-446	
79	A Novel Ni-Free Zr-Based Bulk Metallic Glass with High Glass Forming Ability, Corrosion Resistance and Thermal Stability. 2020 , 33,	3

78	Role of effective strain on the deformability of brittle HF-based bulk metallic glass. 2021,	
77	Effect of Stress Triaxiality on Plastic Deformation of Metallic Glasses.	
76	Roles of liquid structural ordering in glass transition, crystallization, and water's anomalies. 2022, 13, 100076	3
75	Air impact induced densest amorphous granular materials: Formation, dynamics, and mechanisms. 2022, 105,	1
74	Influence of Defects to Zr ₆₅ Cu ₁₈ Ni ₇ Al ₁₀ Bulk Metallic Glass Properties Under Dynamic Compression. 2022, 8,	1
73	Study the Effect of Nitrogen Content on the Friction and Wear Properties of Zr-Cu-Ni-Al Bulk Metallic Glasses. 2022, 144,	0
72	Critical structural invariant during high-pressure solidification of copper. 2022, 12, 45	0
71	Efficient glassy alloy screening.. 2022, 21, 133-134	
70	Atomic structure of Cu ₆₀ Ti ₂₀ Zr ₂₀ metallic glass under high pressures. 2022, 143, 107493	1
69	Production, Mechanical Properties and Biomedical Characterization of ZrTi-Based Bulk Metallic Glasses in Comparison with 316L Stainless Steel and Ti6Al4V Alloy.. 2021, 15,	0
68	Chemistry Dependence of Corrosion Mechanisms in Model Binary Metallic Glasses and Correlation with Electron Work Function.	
67	Atomic structure evolution related to the Invar effect in Fe-based bulk metallic glasses.. 2022, 13, 1082	0
66	Designing High Entropy Bulk Metallic Glass (HE-BMG) by Similar Element Substitution/Addition.. 2022, 15,	0
65	Mechanisms of the Fatigue Failure of Band Amorphous Metal Alloys in Tensile and Bending Tests. 2022, 16, 63-67	
64	Review of Thermoplastic Drawing with Bulk Metallic Glasses. 2022, 12, 518	1
63	Work hardening in Ti ₄₈ Zr ₂₉ Ni ₆ Ta ₁ Be ₁₆ metallic glass matrix composites at cryogenic temperature. 2022, 131, 135103	0
62	The effect of minor alloying on the glass forming ability and crystallization reaction of Ti _{32.8} Zr _{30.2} Cu ₉ M _{5.3} Be _{22.7} (M=Fe, Co, and Ni) bulk metallic glass. 2022,	0
61	The shock forming process of Cu ₅₀ Zr ₅₀ metallic glasses studied via molecular dynamics simulation. 2022, 584, 121518	0

- 60 Plastic Zr-Al-Ni-Cu-Ag bulk glassy alloys containing quasicrystalline or β Zr plus β Zr phases. **2022**, 229, 117812 1
- 59 Thermoplasticity of metallic glasses: Processing and applications. **2022**, 127, 100941 0
- 58 Effect of Al composition tuning on properties and structure in Zr-Co-Al metallic glass. **2022**, 907, 164534
- 57 High-Density Nanowells Formation in Ultrafast Laser-Irradiated Thin Film Metallic Glass.. **2022**, 14, 103 0
- 56 Effects of microalloying on the isothermal and non-isothermal crystallization behaviors of TiZrSi-based metallic glasses. **2022**, 57, 7980
- 55 In situ study on medium-range order evolution during the polyamorphous phase transition in a Pd-Ni-P nanostructured glass. **2022**, 0
- 54 Composition origin of Cu-Zr bulk metallic glasses understood via a dual-cluster model of binary eutectics. **2022**, 588, 121635 1
- 53 Effect of Ag substitution for Ti on the deformation behaviors of in-situ Ti-based bulk metallic glass composites. **2022**, 0
- 52 The atomic structure of an FeCrMoCoBY metallic glass revealed by high energy x-ray diffraction.. **2022**,
- 51 Optimizing mechanical and electrical properties of Cu-coated Cu₄₀Zr₆₀Al bulk metallic glass composites by adjusting glassy powder size. **2022**, 146, 107570 0
- 50 An indirect approach to measure glass transition temperature in metallic glasses. **2022**, 97, 388-394
- 49 Endformnahe Mikrobauteile durch superplastische Umformung von metallischem Massivglas. **2022**, 43, 215-223 1
- 48 Recent progress in the area of bulk metallic glasses. **2022**, 97, 225-233
- 47 Composition dependence in glass-forming ability of Cu-Ag binary alloys. **2022**, 118059
- 46 A novel method for fabricating micro-dimple arrays with good surface quality on metallic glass substrate by combining laser irradiation and mechanical polishing under wax sealing. **2022**, 79, 911-923 0
- 45 Investigating the fracture behaviors of bulk metallic glasses under different dynamic loading rates using phase-field model. **2022**, 31, 103763
- 44 Quantification of free volume in Zr-based metallic glass under hydrogenation. **2022**, 165852
- 43 Laser powder bed fusion of FeCoBSiNb-Cu bulk metallic glass composites: Processing, microstructure and mechanical properties. **2022**, 849, 143405 1

42	Effect of stress triaxiality on plastic deformation of metallic glasses. 2022 , 919, 165867	
41	Recent development in the application of bulk metallic glasses. 2022 , 131, 115-121	1
40	Pressure-induced local structural crossover in a high-entropy metallic glass. 2022 , 105,	0
39	Nanoengineering of Metallic Glasses. 2200659	1
38	Hydrogen-induced enhancement of thermal stability in VZr(H) metallic glasses. 2022 , 101496	0
37	Transition from softening to hardening related with strain rate in Zr-based metallic glasses. 2022 , 593, 121792	0
36	Ultrathin, sputter-deposited, amorphous alloy films of ruthenium and molybdenum. 2022 , 128729	0
35	Corrosion mechanisms in model binary metallic glass coatings on mild steel and correlation with electron work function. 2022 , 207, 110578	3
34	Annealing effect on mechanical properties and strain localization of a Zr-based metallic glass under shear. 2022 , 151, 107714	0
33	The Status of Bulk Metallic Glass and High Entropy Alloys Research. 2022 , 233-278	0
32	Corrosion and Mechanical Properties of Novel Fe-Based Bulk Amorphous Alloys.	0
31	Interface characterization in tungsten fiber/Zr-based bulk metallic glass matrix composite. 2021 , 31,	0
30	Shear Band Control for Improved Strength-Ductility Synergy in Metallic Glasses. 2022 , 74,	0
29	Structural Changes in Metallic Glass-Forming Liquids on Cooling and Subsequent Vitrification in Relationship with Their Properties. 2022 , 15, 7285	3
28	Nickel-molybdenum-niobium metallic glass for efficient hydrogen oxidation in hydroxide exchange membrane fuel cells.	2
27	Strong absorption in ultra-wide band by surface nano engineering of metallic glass. 2022 ,	0
26	Machine Learning-Guided Exploration of Glass-Forming Ability in Multicomponent Alloys.	0
25	Laser-Based Additive Manufacturing and Characterization of an Open-Porous Ni-Based Metallic Glass Lattice Structure (Ni ₆₀ Nb ₂₀ Ta ₂₀).	0

24	Tuning material properties via disorder: from crystalline alloy to metallic glass. 2022 , 100893	0
23	Machine Learning versus Human Learning in Predicting Glass-Forming Ability of Metallic Glasses. 2022 , 118497	0
22	Progress in non-traditional machining of amorphous alloys. 2022 ,	1
21	Unexpected enhanced catalytic performance via highly dense interfaces in ultra-fine amorphous-nanocrystalline biphasic structure. 2022 , 29, 101689	1
20	Effective self-healing behavior of nanocrystalline-amorphous laminated alloy under irradiation. 2022 , 132, 225105	0
19	Interatomic potential controlled glass forming processes of binary CuZr melts. 2022 , 100150	0
18	Homogenization of diffusion in multicomponent liquids. 2022 , 157, 244503	0
17	Effect of casting temperature on the solidification process and (micro)structure of Zr-based metallic glasses. 2022 ,	0
16	Fundamental links between shear transformation, α -relaxation, and string-like motion in metallic glasses. 2023 , 246, 118701	1
15	Atomic Mechanisms of Crystallization in Nano-Sized Metallic Glasses. 2023 , 13, 32	0
14	Metallic glasses. 2023 , 13-59	0
13	A generative deep learning framework for inverse design of compositionally complex bulk metallic glasses. 2023 , 9,	0
12	An element-wise machine learning strategy to predict glass-forming range of ternary alloys enabled by comprehensive data. 2023 , 229, 115347	0
11	Positron annihilation studies for $\text{Ce}_{70}\text{Ga}_8\text{Cu}_{22}$ bulk metallic glasses with different solvent purity. 2023 , 9, 011105-011105	0
10	A Molecular Dynamics Study on the Local Structure of $\text{Al}_{90}\text{Sm}_{10}$ Marginal Metallic Glass and Liquid.	0
9	OsCo-based high-temperature bulk metallic glasses with robust mechanical properties. 2023 , 228, 115336	0
8	Study on corrosion and wear behavior mechanism of Zr-based bulk amorphous. 2023 , 35, 105787	0
7	Exploring a general convolutional neural network-based prediction model for critical casting diameter of metallic glasses. 2023 , 947, 169479	0

- 6 Structural peculiarities of Pd-Cu-Ni-P and Pt-Cu-Ni-P metallic glasses as a reason for their significantly different room-temperature plasticity. **2023**, 231, 115468
- 5 Maximizing vitrification and density of a Zr-based glass-forming alloy processed by laser powder bed fusion. **2023**, 940, 168946
- 4 Introduction. **2022**, 1-16
- 3 Introduction of Materials Genome Technology and Its Applications in the Field of Biomedical Materials. **2023**, 16, 1906
- 2 Glass forming ability of Zr-based ZrCuNiAl(Ag) alloys.
- 1 Structural mechanisms of enhanced mechanical properties in amorphous/nanocrystalline ZrCu alloys under irradiation. **2023**, 58, 5061-5071