Akira Takeuchi

List of Publications by Year
in descending order

142	10,067	36	98
papers	citations	h-index	g-index
		101384	34900

145	145	145	4689
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Classification of Bulk Metallic Glasses by Atomic Size Difference, Heat of Mixing and Period of Constituent Elements and Its Application to Characterization of the Main Alloying Element. Materials Transactions, 2005, 46, 2817-2829.	0.4	3,222
2	Recent development and application products of bulk glassy alloys. Acta Materialia, 2011, 59, 2243-2267.	3.8	1,049
3	Calculations of Mixing Enthalpy and Mismatch Entropy for Ternary Amorphous Alloys. Materials Transactions, JIM, 2000, 41, 1372-1378.	0.9	662
4	Bulk amorphous alloys with high mechanical strength and good soft magnetic properties in Feâ€“TMâ€“B (TM=IVâ€“VIII group transition metal) system. Applied Physics Letters, 1997, 71, 464-466.	1.5	386
5	Recent Progress in Bulk Glassy Alloys. Materials Transactions, 2002, 43, 1892-1906.	0.4	291
6	High-Entropy Alloys with a Hexagonal Close-Packed Structure Designed by Equi-Atomic Alloy Strategy and Binary Phase Diagrams. Jom, 2014, 66, 1984-1992.	0.9	275
7	Quantitative evaluation of critical cooling rate for metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 446-451.	2.6	260
8	Bulk Nd–Fe–Al Amorphous Alloys with Hard Magnetic Properties. Materials Transactions, JIM, 1996, 37, 99-108.	0.9	255
9	Recent progress in bulk glassy, nanoquasicrystalline and nanocrystalline alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 16-30.	2.6	236
10	Ferromagnetic bulk amorphous alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 1779-1793.	1.1	223
11	Pd20Pt20Cu20Ni20P20 high-entropy alloy as a bulk metallic glass in the centimeter. Intermetallics, 2011, 19, 1546-1554.	1.8	198
12	New Fe–Co–Ni–Zr–B Amorphous Alloys with Wide Supercooled Liquid Regions and Good Soft Magnetic Properties. Materials Transactions, JIM, 1997, 38, 359-362.	0.9	184
13	Mixing enthalpy of liquid phase calculated by miedemaâ€™s scheme and approximated with sub-regular solution model for assessing forming ability of amorphous and glassy alloys. Intermetallics, 2010, 18, 1779-1789.	1.8	184
14	Preparation and Mechanical Properties of Zr-based Bulk Nanocrystalline Alloys Containing Compound and Amorphous Phases. Materials Transactions, JIM, 1999, 40, 42-51.	0.9	117
15	Developments and Applications of Bulk Glassy Alloys in Late Transition Metal Base System. Materials Transactions, 2006, 47, 1275-1285.	0.4	114
16	Ferrous and Nonferrous Bulk Amorphous Alloys. Materials Science Forum, 1998, 269-272, 855-864.	0.3	103
17	Entropies in Alloy Design for High-Entropy and Bulk Glassy Alloys. Entropy, 2013, 15, 3810-3821.	1.1	100
18	Hard Magnetic Bulk Amorphous Nd–Fe–Al Alloys of 12 mm in Diameter Made by Suction Casting. Materials Transactions, JIM, 1996, 37, 636-640.	0.9	96

#	Article	IF	Citations
19	Formation and Functional Properties of Fe-Based Bulk Glassy Alloys. Materials Transactions, 2001, 42, 970-978.	0.4	86
20	Calculations of Amorphous-Forming Composition Range for Ternary Alloy Systems and Analyses of Stabilization of Amorphous Phase and Amorphous-Forming Ability. Materials Transactions, 2001, 42, 1435-1444.	0.4	84
21	Soft magnetic Fe25Co25Ni25(B, Si)25 high entropy bulk metallic glasses. Intermetallics, 2015, 66, 8-12.	1.8	83
22	Soft magnetic properties of bulk Fe-based amorphous alloys prepared by copper mold casting. IEEE Transactions on Magnetics, 1996, 32, 4866-4871.	1.2	81
23	Hard magnetic properties of Fe-Nd-B alloys containing intergranular amorphous phase. IEEE Transactions on Magnetics, 1995, 31, 3626-3628.	1.2	75
24	Preparation of Bulk Pr–Fe–Al Amorphous Alloys and Characterization of Their Hard Magnetic Properties. Materials Transactions, JIM, 1996, 37, 1731-1740.	0.9	71
25	Thermal Stability and Magnetic Properties of Bulk Amorphous Fe–Al–Ga–P–C–B–Si Alloys. Materials Transactions, JIM, 1997, 38, 189-196.	0.9	71
26	Enhance the thermal stability and glass forming ability of Al-based metallic glass by Ca minor-alloying. Intermetallics, 2012, 29, 35-40.	1.8	71
27	Artificially produced rare-earth free cosmic magnet. Scientific Reports, 2015, 5, 16627.	1.6	67
28	Beating Thermal Coarsening in Nanoporous Materials via Highâ€Entropy Design. Advanced Materials, 2020, 32, e1906160.	11.1	61
29	Fabrication, properties and applications of bulk glassy alloys in late transition metal-based systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 441, 18-25.	2.6	59
30	A novel Ti-based nanoglass composite with submicronâ€“nanometer-sized hierarchical structures to modulate osteoblast behaviors. Journal of Materials Chemistry B, 2013, 1, 2568.	2.9	59
31	Vogelâ€“Fulcherâ€“Tammann plot for viscosity scaled with temperature interval between actual and ideal glass transitions for metallic glasses in liquid and supercooled liquid states. Intermetallics, 2010, 18, 406-411.	1.8	52
32	Hard Magnetic Properties of Nanocrystalline Fe-Rich Fe–Nd–B Alloys Prepared by Partial Crystallization of Amorphous Phase. Materials Transactions, JIM, 1995, 36, 962-971.	0.9	49
33	Gdâ€“Coâ€“Al and Gdâ€“Niâ€“Al bulk metallic glasses with high glass forming ability and good mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 457, 226-230.	2.6	48
34	Dual HCP structures formed in senary ScYLaTiZrHf multi-principal-element alloy. Intermetallics, 2016, 69, 103-109.	1.8	46
35	Recent Development and Applications of Bulk Glassy Alloys. International Journal of Applied Glass Science, 2010, 1, 273-295.	1.0	44
36	Hard Magnetic Properties of Nanocrystalline Fe–Nd–B Alloys Containing α-Fe and Intergranular Amorphous Phase. Materials Transactions, JIM, 1995, 36, 676-685.	0.9	42

#	Article	IF	Citations
37	Hard magnetic bulk amorphous alloys. IEEE Transactions on Magnetics, 1997, 33, 3814-3816.	1.2	37
38	Al_{0.5}TiZrPdCuNi High-Entropy (H-E) Alloy Developed through Ti₂₀Zr₂₀Pd₂₀Cu₂₀Ni<sub>20</su H-E Glassy Alloy Comprising Inter-Transition Metals. Materials Transactions, 2013, 54, 776-782.	0.4	32
39	High-Entropy Alloys with Hexagonal Close-Packed Structure in Ir₂₆Mo₂₀Rh_{22.5}Ru₂₀W<sub>11.5 and Ir_{25.5}Mo₂₀Rh₂₀Ru₂₅W<sub>9.5&l Alloys Designed by Sandwich Strategy for the Valence Electron Concentration of Constituent Elements in the Periodic Chart. Materials Transactions, 2019, 60, 1666-1673.	0.4	32
40	Septenary Zrâ€“Hfâ€“Tiâ€“Alâ€“Coâ€“Niâ€“Cu high-entropy bulk metallic glasses with centimeter-scale glass-forming ability. Materialia, 2019, 7, 100372.	1.3	32
41	Alloy Designs of High-Entropy Crystalline and Bulk Glassy Alloys by Evaluating Mixing Enthalpy and Delta Parameter for Quinary to Decimal Equi-Atomic Alloys. Materials Transactions, 2014, 55, 165-170.	0.4	31
42	Solid Solutions with bcc, hcp, and fcc Structures Formed in a Composition Line in Multicomponent Irâ€“Rhâ€“Ruâ€“Wâ€“Mo System. Materials Transactions, 2019, 60, 2267-2276.	0.4	31
43	MnFeNiCuPt and MnFeNiCuCo high-entropy alloys designed based on L1 0 structure in Pettifor map for binary compounds. Intermetallics, 2017, 82, 107-115.	1.8	30
44	High Strength Ni-Fe-W and Ni-Fe-W-P Alloys Produced by Electrodeposition. Materials Transactions, 2003, 44, 1942-1947.	0.4	27
45	Evolution of fcc Cu clusters and their structure changes in the soft magnetic Fe85.2Si1B9P4Cu0.8 (NANOMET) and FINEMET alloys observed by X-ray absorption fine structure. Journal of Applied Physics, 2015, 117, .	1.1	27
46	Solid state amorphization of metastable Al0.5TiZrPdCuNi high entropy alloy investigated by high voltage electron microscopy. Materials Chemistry and Physics, 2018, 210, 291-300.	2.0	23
47	Investigation on the crystallization mechanism difference between FINEMETÂ® and NANOMETÂ® type Fe-based soft magnetic amorphous alloys. Journal of Applied Physics, 2016, 120, 145102.	1.1	22
48	Size dependence of soft to hard magnetic transition in (Nd, Pr)â€“Feâ€“Al bulk amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 1140-1144.	2.6	21
49	Calculations of dominant factors of glass-forming ability for metallic glasses from viscosity. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 449-454.	2.6	21
50	Effect of Si addition on the corrosion properties of amorphous Fe-based soft magnetic alloys. Journal of Non-Crystalline Solids, 2014, 402, 36-43.	1.5	21
51	Thermal stability and magnetic properties of Gdâ€“Feâ€“Al bulk amorphous alloys. Journal of Alloys and Compounds, 2007, 440, 199-203.	2.8	19
52	Alloy Design for High-Entropy Bulk Glassy Alloys. Procedia Engineering, 2012, 36, 226-234.	1.2	18
53	Synthesis of High Strength Bulk Nanocrystalline Alloys Containing Remaining Amorphous Phase. Materials Science Forum, 1999, 307, 1-8.	0.3	17
54	Noncrystalline atomic arrangements computationally created from crystalline compound by treating groups of atoms as hypothetical clusters. Intermetallics, 2008, 16, 283-292.	1.8	17

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55	Nano-crystallization and magnetic mechanisms of Fe85Si2B8P4Cu1 amorphous alloy by <i>ab initio</i> molecular dynamics simulation. Journal of Applied Physics, 2014, 115, .	1.1	17
56	Alloy design for high-entropy alloys based on Pettifor map for binary compounds with 1:1 stoichiometry. Intermetallics, 2015, 66, 56-66.	1.8	17
57	Evaluation of Glass-Forming Ability for Metallic Glasses from Time-Reduced Temperature-Transformation Diagram. Materials Transactions, 2001, 42, 2374-2381.	0.4	16
58	Effect of Sodium Hypophosphite on the Structure and Properties of Electrodeposited Ni-W-P Alloys. Materials Transactions, 2003, 44, 705-708.	0.4	16
59	Evaluation of glass-forming ability of binary metallic glasses with liquidus temperature, crystallographic data from binary phase diagrams and molecular dynamics simulations. Journal of Alloys and Compounds, 2009, 483, 102-106.	2.8	16
60	Computer simulations of the phase decomposition on Cu-Co binary alloys based on the non-linear diffusion equation. Journal of Materials Science, 1992, 27, 2444-2448.	1.7	14
61	Amorphous Nd–Fe–Si Thick Ribbons and Their Hard Magnetic Properties. Materials Transactions, JIM, 1997, 38, 1027-1030.	0.9	14
62	Structure and crystallization behavior of Al-free Ge-based amorphous alloys produced by rapid solidification of the melt. Journal of Non-Crystalline Solids, 2001, 289, 196-203.	1.5	14
63	Effect of cobalt microalloying on the glass forming ability of Tiâ€"Cuâ€"Pdâ€"Zr metallic glass. Journal of Non-Crystalline Solids, 2013, 379, 155-160.	1.5	14
64	Effect of substitution of Cu by Au and Ag on nanocrystallization behavior of Fe83.3Si4B8P4Cu0.7 soft magnetic alloy. Journal of Alloys and Compounds, 2016, 683, 263-270.	2.8	14
65	Calculation of Supercooled Liquid Range and Estimation of Glass-Forming Ability of Metallic Glasses using the Vogel-Fulcher-Tammann Equation. Materials Transactions, 2002, 43, 1205-1213.	0.4	13
66	Phase transition from fcc to bcc structure of the Cu-clusters during nanocrystallization of Fe85.2Si1B9P4Cu0.8 soft magnetic alloy. AIP Advances, 2014, 4, .	0.6	13
67	High-strength bulk nanocrystalline alloys in a Zr-based system containing compound and glassy phases. Journal of Non-Crystalline Solids, 1999, 250-252, 724-728.	1.5	12
68	Gdâ€"Niâ€"Al bulk glasses with great glass-forming ability and better mechanical properties. Journal of Materials Science, 2007, 42, 8662-8666.	1.7	12
69	Noncrystalline structure created through ensemble of clusters in metastable cubic Zr2Ni structure by their random rotations and subsequent annealing. Intermetallics, 2008, 16, 774-778.	1.8	12
70	Formation of Zr66.7Al11.1Ni22.2 noncrystalline alloys demonstrated by molecular dynamics simulations based on distorted plastic crystal model. Intermetallics, 2008, 16, 819-826.	1.8	12
71	Mixing Entropy of Exact Equiatomic High-Entropy Alloys Formed into a Single Phase. Materials Transactions, 2020, 61, 1717-1726.	0.4	12
72	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. Materials Transactions, 2007, 48, 1304-1312.	0.4	11

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73	Golden Mean analysis of bulk metallic glasses with critical diameter over half-inch for their mole fractions of compositions. Intermetallics, 2009, 17, 696-703.	1.8	11
74	Critically Percolated States in High-Entropy Alloys with Exact Equi-Atomicity. Materials Transactions, 2019, 60, 330-337.	0.4	11
75	New Amorphous Alloys in Al–Si–Fe–Ni and Al–Si–Fe–Co Systems and Their Crystallization Behaviour. Materials Transactions, JIM, 1997, 38, 595-598.	0.9	10
76	Title is missing!. Journal of Materials Science Letters, 1998, 17, 1439-1442.	0.5	10
77	Computer Simulation of Phase Decomposition in the Regular Solid Solution based upon the Cahn-Hilliard’s Non-Linear Diffusion Equation. Materials Transactions, JIM, 1991, 32, 915-920.	0.9	9
78	Investigations on the Magnetic Properties of High-Coercivity (Nd_{1âˆ’x}Fe_x)₉₀Al₁₀ Bulk Amorphous Alloys. Materials Research Society Symposia Proceedings, 2001, 674, 1.	0.1	9
79	Calculations of Crystallization Temperature of Multicomponent Metallic Glasses. Materials Transactions, 2002, 43, 2275-2284.	0.4	8
80	Molecular dynamics simulations of critically percolated, cluster-packed structure in Zrâ€“Alâ€“Ni bulk metallic glass. Journal of Materials Science, 2010, 45, 4898-4905.	1.7	8
81	Thermodynamic Assessment of Fe-B-P-Cu Nanocrystalline Soft Magnetic Alloys for Their Crystallizations from Amorphous Phase. Materials Transactions, 2014, 55, 1852-1858.	0.4	8
82	First-principle simulation on the crystallization tendency and enhanced magnetization of Fe₇₆B₁₉P₅ amorphous alloy. Materials Research Express, 2015, 2, 016506.	0.8	8
83	Phase stability of Cu2Mg and CuMg2 compounds against noncrystallizations analyzed with a plastic crystal model. Intermetallics, 2008, 16, 1273-1278.	1.8	7
84	Dynamic Observation of FeSiBPCu Alloys for Crystallization via MeV Electron Irradiation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2014, 78, 364-368.	0.2	7
85	Alloy Designs for High-Entropy Alloys, Bulk Metallic Glasses and High-Entropy Bulk Metallic Glasses. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 157-168.	0.2	7
86	Atomic packing and diffusion in Fe85Si2B9P4 amorphous alloy analyzed by <i>ab initio</i> molecular dynamics simulation. Journal of Applied Physics, 2015, 117, .	1.1	7
87	High-Entropy Alloys Including 3d, 4d and 5d Transition Metals from the Same Group in the Periodic Table. Materials Transactions, 2016, 57, 1197-1201.	0.4	7
88	Partially-devitrified icosahedral quasicrystalline phase in Ti33.33Zr33.33Hf13.33Ni20 and Zr30Hf30Ni15Cu10Ti15 amorphous alloys with near equi-atomic compositions. Materials Chemistry and Physics, 2018, 210, 245-250.	2.0	7
89	Nanocrystallization of Ge-Al-Cr-Ce-Sm alloy. Journal of Materials Science, 2000, 35, 5537-5543.	1.7	6
90	Bulk Amorphous and Partially Crystallized Alloys in Nd-Fe-(Al, B) System with Hard Magnetic Properties Prepared by Arc Melting. Materials Transactions, 2002, 43, 1985-1991.	0.4	6

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91	Thermodynamic analysis of binary Fe85B15 to quinary Fe85Si2B8P4Cu1 alloys for primary crystallizations of Î±-Fe in nanocrystalline soft magnetic alloys. Journal of Applied Physics, 2015, 117, 17B737.	1.1	6
92	Recent Progress in Alloy Designs for High-Entropy Crystalline and Glassy Alloys. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 209-216.	0.1	6
93	Amorphous Co-Ni-P Alloys with High Saturation Magnetization Produced by Electrodeposition. Materials Transactions, 2003, 44, 911-916.	0.4	5
94	Thermal stability and mechanical properties of Gd-Co-Al bulk glass alloys. Transactions of Nonferrous Metals Society of China, 2007, 17, 1220-1224.	1.7	5
95	Cluster packed structures in bulk metallic glasses created from BCC derivative compounds. Journal of Physics: Conference Series, 2009, 144, 012045.	0.3	5
96	High entropy state of orientationally-disordered clusters in Zr-based bulk metallic glass. Progress in Natural Science: Materials International, 2010, 20, 87-96.	1.8	5
97	High-Entropy Metallic Glasses. , 2016, , 445-468.		5
98	Improvement of hard magnetic properties of Fe90Nd7B3 alloys by two-stage crystallization treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 226-228, 636-640.	2.6	4
99	Thermal Stability and Magnetic Properties of Fe–Nd–Al Amorphous Alloys. Materials Transactions, 2005, 46, 2844-2847.	0.4	4
100	Development of Metallic Glasses by Semi-Empirical Calculation Method. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 283-286.	0.1	4
101	A representative of a new class of materials: Nanograined metallic glasses showing unique properties. , 2013, , .		4
102	Computer Simulation of Phase Decomposition of Al-Zn Alloy Based upon Non-Linear Diffusion Equation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1992, 56, 1242-1247.	0.2	4
103	Computer Simulation of Phase Decomposition of Al-Zn and Fe-Mo Alloys Based upon the Non-Linear Diffusion Equation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1993, 57, 492-500.	0.2	4
104	Critically-Percolated, Cluster-Packed Structure in Cu–Zr Binary Bulk Metallic Glass Demonstrated by Molecular Dynamics Simulations Based on Plastic Crystal Model. Materials Transactions, 2012, 53, 1113-1118.	0.4	4
105	Structural Study of Amorphous Fe89Nd7B4 and Fe89Zr7B4 Alloys by X-ray Diffraction. High Temperature Materials and Processes, 1997, 16, 57-64.	0.6	3
106	Structural and Magnetic Behaviour of the Rapidly Quenched Nd-Fe-Si Alloys. Materials Science Forum, 2000, 343-346, 91-96.	0.3	3
107	The Effects of Fe₂P and Fe₃P Intermediate Equilibrium Phases on Glass-Forming Ability of Fe₇₆Si₉B₁₀P₅ Bulk Metallic Glass. Materials Transactions, 2014, 55, 1575-1581.	0.4	3
108	Analysis of strontium in soil and plant samples contaminated during the 2011 Fukushima Daiichi Nuclear Power Plant accident. International Journal of PIXE, 2018, 28, 21-27.	0.4	3

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109	Adsorption of Cs⁺ Ion into Di- and Tri-Octahedral Vermiculites as Demonstrated by Classical Molecular Dynamics Simulation. Materials Transactions, 2021, 62, 469-478.	0.4	3
110	Os-Free Fe₁₂Ir₂₀Re₂₀Rh₂₀Ru<sub>28</su High-Entropy Alloy with Single hcp Structure Including Fe from Late Transition Metals. Materials Transactions, 2022, 63, 7-15.	0.4	3
111	Ultra-High Mixing Entropy Alloys with Single bcc, hcp, or fcc Structure in Coâ€"Crâ€"Vâ€"Feâ€"X (X = Al, Ru,) Tj ETQq1 1 0.784314 rg Binary Equiatomic Alloys. Materials Transactions, 2022, 63, 835-844.	0.4	3
112	Ultrafine AlN and Cr₂N Composite Particles Prepared by Reaction between Nitrogen Plasma and Molten Al–Cr Alloys. Materials Transactions, JIM, 1994, 35, 722-729.	0.9	2
113	é‡'å±žã‚¬ãƒ©ã‚¹ã®ã‚¢ãƒ¢ãƒ«ãƒ•ã‚¡ã‚¹å•é‡'ã®å½¢æˆèƒ½ã®ç†±åŠ›å¦çš„è©•ä¾¡. Materia Japan, 2003, 42, 413-421.	0.4	2
114	Stress-Enhanced Transformations from Hypothetical B2 to Stable L1₀ and Amorphous to fcc Phases in Fe₅₀Ni₅₀ Binary Alloy by Molecular Dynamic Simulations. Materials Transactions, 2017, 58, 646-654.	0.4	2
115	Adsorption behavior of Cs+ ions to vermiculite demonstrated by molecular dynamics simulations. International Journal of PIXE, 2018, 28, 1-5.	0.4	2
116	Nanoporous Materials: Beating Thermal Coarsening in Nanoporous Materials via Highâ€Entropy Design (Adv. Mater. 6/2020). Advanced Materials, 2020, 32, 2070044.	11.1	2
117	Compositions, Structure and Glass-Forming Ability of Bulk Glassy Alloys. Materials Science Forum, 2002, 403, 1-11.	0.3	1
118	Mechanical Properties of Metastable Alloys with Novel Atomic Configurations Obtained by Use of Stabilization of Supercooled Liquid. Materials Science Forum, 2003, 426-432, 3-10.	0.3	1
119	Nanoclustersâ€"critical thicknessâ€"magnetic properties relationship in Nd90âˆ'Fe Al10 amorphous ribbons. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1137-E1139.	1.0	1
120	Syntheses and Applications of Fe-, Co-, Ni- and Cu-Based Bulk Glassy Alloys. Materials Science Forum, 2007, 539-543, 92-99.	0.3	1
121	Analyses of glass transition phenomena by solving differential equation with delay effect. Journal of Alloys and Compounds, 2007, 434-435, 131-134.	2.8	1
122	Analyses of glass-transition behavior of Pd-based metallic glass with linear solution to non-linear differential equation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 594-598.	2.6	1
123	Bulk Metallic Glasses: Formation and Applications. , 2010, , 1-6.		1
124	Compositional features of bulk metallic glasses analyzed with a tetrahedral composition diagram from s-, p-, d- and f-blocks. International Journal of Materials Research, 2012, 103, 1102-1107.	0.1	1
125	Effects of metalloids in Fe-rich soft magnetic amorphous alloys on magnetization. , 2015, , .		1
126	Magnetic Influence of Alloying Elements in Fe-Rich Amorphous Alloys Studied by <italic>Ab Initio</italic> Molecular Dynamics Simulations. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	1

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127	Computer Simulation of Phase Decomposition in the Regular Solid Solution based upon the Non-Linear Diffusion Equation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1990, 54, 1177-1182.	0.2	1
128	Preparation of Composite AlN and Metallic Particles in Al–Cr–M–N (M=Fe, Co or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 35, 663-672.	0.9	0
129	Computer-Aided Development of Multicomponent Metallic Glasses. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	0
130	Bulk Nonequilibrium Alloys by Stabilization of Supercooled Liquid: Fabrication and Functional Properties. AIP Conference Proceedings, 2004, , .	0.3	0
131	Analysis of Optimal Compositions of Ternary Bulk Metallic Glasses with Thermodynamic Quantities. Materials Science Forum, 2007, 539-543, 1988-1993.	0.3	0
132	Local Atomic Arrangements of Pd-Based Bulk Metallic Glasses of the Metal-Metalloid Type Demonstrated by Molecular Dynamics Simulations. Materials Science Forum, 2010, 654-656, 1038-1041.	0.3	0
133	Zr60Al15(Ni,Cu)25 noncrystalline alloys created by referring to ionic arrangements of a garnet structure with molecular dynamics simulations based on a plastic crystal model. Intermetallics, 2010, 18, 330-341.	1.8	0
134	Al-Fe-Pr. Landolt-Bâˆšâˆ,rnstein - Group III Condensed Matter, 2011, , 222-223.	0.0	0
135	Molecular Dynamics Simulations Based on Plastic Crystal Model with Introducing United Atom Scheme Demonstrated for Zr₂Ni Metallic Glass. Materials Science Forum, 0, 706-709, 1337-1342.	0.3	0
136	3aA_MI-1Nuclei of BCC Phase in AlTi0.5ZrCuNiPd High Entropy Alloy. Microscopy (Oxford, England), 2018, 67, i25-i25.	0.7	0
137	SYNTHESIS AND SOFT MAGNETIC PROPERTIES OF FE-BASED BULK AMORPHOUS ALLOYS. , 2000, , 335-358.		0
138	Ge-La-Ni. Landolt-Bâˆšâˆ,rnstein - Group III Condensed Matter, 2011, , 253-253.	0.0	0
139	Cu-Hf-Ti. Landolt-Bâˆšâˆ,rnstein - Group III Condensed Matter, 2011, , 79-82.	0.0	0
140	Ca-Ge-Li. Landolt-Bâˆšâˆ,rnstein - Group III Condensed Matter, 2011, , 412-412.	0.0	0
141	Al-Fe-Nd. Landolt-Bâˆšâˆ,rnstein - Group III Condensed Matter, 2011, , 211-216.	0.0	0
142	Direct Imaging of Cu Nano-Cluster in an Fe₈₅Si₂B₈P₄Cu₁ Nanocrystalline Soft Magnetic Alloy by Spherical Aberration Corrected STEM. Materia Japan, 2016, 55, 598-598.	0.1	0