Takeshi Nagase

List of Publications by Year
in descending order

182	3,922	156536	182931
papers	citations	32 h-index	54 g-index

185	185	185	3362
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and development of (Ti, Zr, Hf)-Al based medium entropy alloys and high entropy alloys. Materials Chemistry and Physics, 2022, 276, 125409.	2.0	9
2	Development of TiNbTaZrMo bio-high entropy alloy (BioHEA) super-solid solution by selective laser melting, and its improved mechanical property and biocompatibility. Scripta Materialia, 2021, 194, 113658.	2.6	95
3	Deformation behavior of HfNbTaTiZr high entropy alloy singe crystals and polycrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 809, 140983.	2.6	30
4	Design and development of Tiâ€“Zrâ€“Hfâ€“Nbâ€“Taâ€“Mo high-entropy alloys for metallic biomaterials. Materials and Design, 2021, 202, 109548.	3.3	67
5	Fabrication of the Casting Products in Cuâ€“Znâ€“Mnâ€“Ni Medium-Entropy Brasses. Materials Transactions, 2021, 62, 856-863.	0.4	3
6	Design and fabrication of Tiâ€“Zr-Hf-Cr-Mo and Tiâ€“Zr-Hf-Co-Cr-Mo high-entropy alloys as metallic biomaterials. Materials Science and Engineering C, 2020, 107, 110322.	3.8	105
7	Alloy Design, Thermodynamics, and Electron Microscopy of Ternary Ti-Ag-Nb Alloy with Liquid Phase Separation. Materials, 2020, 13, 5268.	1.3	2
8	Development of Tiâ€“Zrâ€“Hfâ€“Yâ€“La high-entropy alloys with dual hexagonal-close-packed structure. Scripta Materialia, 2020, 186, 242-246.	2.6	28
9	Alloy Design and Fabrication of Ingots of Alâ€“Mgâ€“Liâ€“Ca Light-Weight Medium Entropy Alloys. Materials Transactions, 2020, 61, 1369-1380.	0.4	15
10	Liquid Phase Separation in Ag-Co-Cr-Fe-Mn-Ni, Co Cr-Cu-Fe-Mn-Ni and Co-Cr-Cu-Fe-Mn-Ni-B High Entropy Alloys for Biomedical Application. Crystals, 2020, 10, 527.	1.0	14
11	Development of Coâ€“Crâ€“Moâ€“Feâ€“Mnâ€“W and Coâ€“Crâ€“Moâ€“Feâ€“Mnâ€“Wâ€“Ag High-Entropy Alloys Based on Coâ€“Crâ€“Mo Alloys. Materials Transactions, 2020, 61, 567-576.	0.4	13
12	Solidification Microstructure and Magnetic Properties of Ag-Rich Agâ€“Cuâ€“Laâ€“Fe Immiscible Alloys. Materials Transactions, 2020, 61, 311-317.	0.4	5
13	Development and Perspectives of High Entropy alloys composed by light metal elements and that for metallic biomaterials with BCC. Keikinzoku/Journal of Japan Institute of Light Metals, 2020, 70, 14-23.	0.1	1
14	Development of Feâ€“Pâ€“Câ€“Cu Immiscible Amorphous Alloys with Liquid Phase Separation. ISIJ International, 2020, 60, 2615-2624.	0.6	3
15	Electron Microscopy on Cu Element Distribution in Spheroidal Graphite Cast Iron. Materials Transactions, 2020, 61, 1853-1861.	0.4	2
16	Development of non-equiatomic Ti-Nb-Ta-Zr-Mo high-entropy alloys for metallic biomaterials. Scripta Materialia, 2019, 172, 83-87.	2.6	124
17	Development of Fe-Co-Cr-Mn-Ni-C high entropy cast iron (HE cast iron) available for casting in air atmosphere. Materials and Design, 2019, 184, 108172.	3.3	23
18	Microstructure and Magnetic Properties of Cuâ€“Agâ€“Laâ€“Fe Immiscible Alloys with an Amorphous Phase. Materials Transactions, 2019, 60, 554-560.	0.4	9

#	Article	IF	Citations
19	Alloy design and fabrication of ingots in Cu-Zn-Mn-Ni-Sn high-entropy and Cu-Zn-Mn-Ni medium-entropy brasses. Materials and Design, 2019, 181, 107900.	3.3	34
20	Solidification Microstructures of the Ingots Obtained by Arc Melting and Cold Crucible Levitation Melting in TiNbTaZr Medium-Entropy Alloy and TiNbTaZrX (X = V, Mo, W) High-Entropy Alloys. Entropy, 2019, 21, 483.	1.1	57
21	Additive manufacturing of dense components in betaâ€'titanium alloys with crystallographic texture from a mixture of pure metallic element powders. Materials and Design, 2019, 173, 107771.	3.3	93
22	Solidification Microstructure of High Entropy Alloys Composed With 4 Group (Ti, Zr, Hf), 5 Group (V,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.1	6
23	Solidification Microstructure and Magnetic Properties of Ag-rich Ag-Cu-La-Fe Immiscible Alloys. Zairyo/Journal of the Society of Materials Science, Japan, 2019, 68, 205-211.	0.1	4
24	Scanning Transmission Electron Microscopy (STEM) Observation of the Nuclei in Spheroidal Graphite Cast Iron. Materia Japan, 2019, 58, 86-86.	0.1	1
25	Microstructure of equiatomic and non-equiatomic Ti-Nb-Ta-Zr-Mo high-entropy alloys for metallic biomaterials. Journal of Alloys and Compounds, 2018, 753, 412-421.	2.8	112
26	Oxidation of Benzyl Alcohol over Nanoporous Auâ€"CeO₂ Catalysts Prepared from Amorphous Alloys and Effect of Alloying Au with Amorphous Alloys. Industrial & Engineering Chemistry Research, 2018, 57, 5599-5605.	1.8	30
27	Microstructure of Ti-Ag immiscible alloys with liquid phase separation. Journal of Alloys and Compounds, 2018, 738, 440-447.	2.8	33
28	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
29	3aA_MI-1Nuclei of BCC Phase in AlTi0.5ZrCuNiPd High Entropy Alloy. Microscopy (Oxford, England), 2018, 67, i25-i25.	0.7	0
30	Microstructure and Magnetic Properties of Cu-Ag-La-Fe Immiscible Alloys with an Amorphous Phase. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 45-51.	0.1	4
31	Microstructure of Co-Cr-Fe-Mn-Ni-Cu and Co-Cr-Fe-Mn-Ni-Ag High Entropy Alloys with Liquid Phase Separation. Materials Science Forum, 2018, 941, 1238-1241.	0.3	8
32	Solidification Microstructure of AlCoCrFeNi_{2.1} Eutectic High Entropy Alloy Ingots. Materials Transactions, 2018, 59, 255-264.	0.4	56
33	Grain refinement of non-equiatomic Cr-rich CoCrFeMnNi high-entropy alloys through combination of cold rolling and precipitation of Ïƒ phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 735, 191-200.	2.6	49
34	In situ atomic-level observation of the formation of platinum silicide at platinum-silicon oxide interfaces under electron irradiation. AIP Advances, 2018, 8, 055110.	0.6	1
35	Contributions of a Higher Triplet Excited State to the Emission Properties of a Thermally Activated Delayed-Fluorescence Emitter. Physical Review Applied, 2017, 7, .	1.5	45
36	Formation of ultrafine-grained microstructure in Al 0.3 CoCrFeNi high entropy alloys with grain boundary precipitates. Materials Letters, 2017, 199, 120-123.	1.3	84

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37	Design and microstructure analysis of globules in Al-Co-La-Pb immiscible alloys with an amorphous phase. Materials and Design, 2017, 117, 338-345.	3.3	22
38	Novel TiNbTaZrMo high-entropy alloys for metallic biomaterials. Scripta Materialia, 2017, 129, 65-68.	2.6	262
39	PM-09Microstructure of Ti-Nb-Ag Immiscible Alloys with Liquid Phase Separation. Microscopy (Oxford,) Tj ETQq1 1 0.784314 rgBT /Ov	0.7	4
40	The Formation of a Glass. Zairyo/Journal of the Society of Materials Science, Japan, 2017, 66, 251-252.	0.1	0
41	Skeletal Ni Catalysts Prepared from Amorphous Niâ€“Zr Alloys: Enhanced Catalytic Performance for Hydrogen Generation from Ammonia Borane. ChemPhysChem, 2016, 17, 412-417.	1.0	15
42	Formation of Various Types of Globules in Co–Cu–Si–B Immiscible Alloy with Amorphous Phase. Materials Transactions, 2016, 57, 156-162.	0.4	5
43	Electron-irradiation-induced crystallization at metallic amorphous/silicon oxide interfaces caused by electronic excitation. Journal of Applied Physics, 2016, 119, .	1.1	4
44	Determination of deep trapping lifetime in organic semiconductors using impedance spectroscopy. Applied Physics Letters, 2016, 108, 053305.	1.5	16
45	Skeletal Au prepared from Auâ€“Zr amorphous alloys with controlled atomic compositions and arrangement for active oxidation of benzyl alcohol. Journal of Materials Chemistry A, 2016, 4, 8458-8465.	5.2	12
46	Temperature Dependence of Field-Effect Mobility in Organic Thin-Film Transistors: Similarity to Inorganic Transistors. Journal of Nanoscience and Nanotechnology, 2016, 16, 3219-3222.	0.9	3
47	Microstructure of nanocrystalline globules embedded in an amorphous matrix of Feâ€“Cuâ€based immiscible alloys. Surface and Interface Analysis, 2016, 48, 1252-1255.	0.8	5
48	An Amorphous Phase Formation in Co-Cu-Zr-Ti-B Alloy System. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 217-222.	0.1	2
49	PM-01Electron-Irradiation-Induced Structural Changes at Pt/SiO_xInterfaces at 773 K. Microscopy (Oxford, England), 2016, 65, i32.1-i32.	0.7	1
50	In situ transmission-electron-microscopy observation of solid-state amorphization behavior in Ti50Ni44Fe6 alloy by high-voltage electron microscopy. Acta Materialia, 2016, 104, 201-209.	3.8	3
51	Hydrogenation of 1-octene over skeletal Pd catalysts prepared from Pdâ€“Zr amorphous alloys and the effect of Ni addition. Catalysis Today, 2016, 265, 138-143.	2.2	7
52	Irradiation-induced ordering in Pt-Cu alloy focusing on Pt7Cu. Materials Research Society Symposia Proceedings, 2015, 1760, 114.	0.1	0
53	Phase transition of sigma-CrFe under fast electron irradiation. Materials Research Society Symposia Proceedings, 2015, 1743, 64.	0.1	0
54	Histone methylationâ€mediated silencing of miRâ€139 enhances invasion of nonâ€smallâ€cell lung cancer. Cancer Medicine, 2015, 4, 1573-1582.	1.3	41

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55	Solution-processed dinaphtho[2,3-b:2â€²,3â€²-f]thieno[3,2-b]thiophene transistor memory based on phosphorus-doped silicon nanoparticles as a nano-floating gate. Applied Physics Express, 2015, 8, 101601.	1.1	8
56	An amorphous phase formation at palladium / silicon oxide (Pd/SiOx) interface through electron irradiation - electronic excitation process. AIP Advances, 2015, 5, 117145.	0.6	2
57	Impact of dopants and silicon structure dimensions on {113}-defect formation during 2 MeV electron irradiation in an UHVEM. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1160-1165.	0.8	1
58	In situ UHVEM irradiation study of intrinsic point defect behavior in Si nanowire structures. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 275-281.	0.8	1
59	Microstructure of Rapidly Solidified Fe-M-Si-B (M=Cu, Ag, Sn) Immiscible Alloys. Zairyo/Journal of the Society of Materials Science, Japan, 2015, 64, 175-182.	0.1	9
60	In-situ TEM observation of structural changes in nano-crystalline CoCrCuFeNi multicomponent high-entropy alloy (HEA) under fast electron irradiation by high voltage electron microscopy (HVEM). Intermetallics, 2015, 59, 32-42.	1.8	161
61	Amorphous phase formation in Coâ€“Cuâ€“Zrâ€“B-based immiscible alloys. Journal of Alloys and Compounds, 2015, 649, 1174-1181.	2.8	16
62	Pseudomonas aeruginosa quorum-sensing signaling molecule N-3-oxododecanoyl homoserine lactone induces matrix metalloproteinase 9 expression via the AP1 pathway in rat fibroblasts. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1719-1724.	0.6	6
63	Dynamic strain aging of Al 0.3 CoCrFeNi high entropy alloy single crystals. Scripta Materialia, 2015, 108, 80-83.	2.6	119
64	Formation of amorphous phase with crystalline globules in Feâ€“Cuâ€“Siâ€“B and Feâ€“Cuâ€“Zrâ€“B immiscible alloys. Intermetallics, 2015, 61, 56-65.	1.8	32
65	Synthesis of metal silicide at metal/silicon oxide interface by electronic excitation. Journal of Applied Physics, 2015, 117, .	1.1	13
66	Prediction of improvement in left atrial function index after catheter ablation for atrial fibrillation. Journal of Interventional Cardiac Electrophysiology, 2015, 44, 151-160.	0.6	7
67	Hippo and TGF-Î² interplay in the lung field. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L756-L767.	1.3	74
68	Microstructure of rapidly solidified Coâ€“Cuâ€“Siâ€“B immiscible alloys with an amorphous phase. Journal of Alloys and Compounds, 2015, 650, 342-350.	2.8	8
69	Characteristics and Catheter Ablation of Focal Atrial Tachycardia Originating From the Interatrial Septum. Heart Lung and Circulation, 2015, 24, 988-995.	0.2	5
70	Formation of nanoglobules with coreâ€“shell structure by liquid phase separation in Feâ€“Cuâ€“Zrâ€“B immiscible alloy. Journal of Alloys and Compounds, 2015, 619, 332-337.	2.8	20
71	Formation of amorphous phase with crystalline globules in Feâ€“Cuâ€“Nbâ€“B immiscible alloys. Journal of Alloys and Compounds, 2015, 619, 267-274.	2.8	37
72	Amorphous phase formation in Feâ€“Ag-based immiscible alloys. Journal of Alloys and Compounds, 2015, 619, 311-318.	2.8	23

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73	Interleukin-17A and Toll-Like Receptor 3 Ligand Poly(I:C) Synergistically Induced Neutrophil Chemoattractant Production by Bronchial Epithelial Cells. PLoS ONE, 2015, 10, e0141746.	1.1	14
74	Stability of oxide particles under electron irradiation in a 9Cr ODS steel at 400 Â°C. Journal of Nuclear Materials, 2014, 455, 724-727.	1.3	16
75	Mechanism of instability of carbides in Feâ€“TaC alloy under high energy electron irradiation at 673 K. Journal of Nuclear Materials, 2014, 455, 695-699.	1.3	10
76	Ultra High Voltage Electron Microscopy Study of {113}-Defect Generation in Si Nanowires. Materials Research Society Symposia Proceedings, 2014, 1713, 1.	0.1	1
77	Phase stability of Ïƒ-CrFe intermetallic compound under fast electron irradiation. Acta Materialia, 2014, 71, 195-205.	3.8	12
78	Effect of two-stage deformation on magnetic properties of hot-deformed Ndâ€“Feâ€“B permanent magnets. Scripta Materialia, 2014, 78-79, 37-40.	2.6	20
79	Irradiation Resistance of Multicomponent Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 180-183.	1.1	155
80	Irradiation damage in multicomponent equimolar alloys and high entropy alloys (HEAs). Microscopy (Oxford, England), 2014, 63, i22.2-i22.	0.7	1
81	Synthesis of refractory conductive niobium carbide nanowires within the inner space of carbon nanotube templates. Applied Physics Express, 2014, 7, 015101.	1.1	5
82	Temperature dependence of photoluminescence properties in a thermally activated delayed fluorescence emitter. Applied Physics Letters, 2014, 104, .	1.5	48
83	Entangled Duplex Structure and Polycrystalline Globule Formation through Multistep Liquid-Phase Separation in Cu–Fe–Zr–B Alloys. Materials Transactions, 2014, 55, 304-310.	0.4	6
84	<i>In Situ</i> TEM Observation of Structural Changes in Rapidly Solidified bcc Solid-Solution Phase in Ti–Cr Alloy Focusing on Spontaneous Vitrification (SV). Materials Transactions, 2014, 55, 451-457.	0.4	0
85	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
86	New Approach to <i>In Situ</i> Observation Experiments under Irradiation in High Voltage Electron Microscopes. Materials Transactions, 2014, 55, 423-427.	0.4	10
87	Ti- and Zr-based metal-air batteries. Journal of Power Sources, 2013, 242, 400-404.	4.0	12
88	MeV electron-irradiation-induced structural change in the bcc phase of Zrâ€“Hfâ€“Nb alloy with an approximately equiatomic ratio. Intermetallics, 2013, 38, 70-79.	1.8	57
89	Electron-irradiation-induced phase transition in Cr2M (M = Ti and Al) intermetallic compounds. Journal of Alloys and Compounds, 2013, 579, 646-653.	2.8	9
90	Solid-state amorphization in a Ti2Pd intermetallic compound under fast-electron irradiation. Journal of Alloys and Compounds, 2013, 581, 324-329.	2.8	3

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91	Advanced Materials Design by Irradiation of High Energy Particles. , 2013, , 137-153.		5
92	MeV Electron Irradiation Induced Solid-State Amorphization (SSA) in B2 Intermetallic Compounds. Zairyo/Journal of the Society of Materials Science, Japan, 2013, 62, 185-190.	0.1	2
93	Electron-irradiation-induced structural change in Zrâ€“Hfâ€“Nb alloy. Intermetallics, 2012, 26, 122-130.	1.8	63
94	MeV electron irradiation induced crystallization in metallic glasses: Atomic structure, crystallization mechanism and stability of an amorphous phase under the irradiation. Journal of Non-Crystalline Solids, 2012, 358, 502-518.	1.5	35
95	Formation of macroscopically phase separated Cu-colored melt-spun ribbon in (Fe0.5Cu0.5)100âˆ'B (x= 0,) Tj ETQq1 1 0.784314 rgBT /O	2.8	18
96	Microstructure observation using MeV-electron-irradiation-induced amorphization. Journal of Alloys and Compounds, 2011, 509, S202-S205.	2.8	4
97	Electron-irradiation-induced solid-state amorphization in supersaturated Niâ€“Zr solid solutions. Intermetallics, 2011, 19, 511-517.	1.8	10
98	Stability of B2 phase in Tiâ€“Niâ€“Fe alloys against MeV electron-irradiation-induced solid-state amorphization and martensite transformation. Intermetallics, 2011, 19, 1313-1318.	1.8	19
99	Effect of Ni-addition on the crystallization behavior and the oxidation resistance of Zr-based metallic glasses below the crystallization temperature. Journal of Non-Crystalline Solids, 2011, 357, 1136-1140.	1.5	9
100	Tensile deformation behavior of Ndâ€“Feâ€“B alloys. Scripta Materialia, 2011, 65, 743-746.	2.6	12
101	Control of Nano-crystalline Structure in Fe-Nd-B Metallic Glass by MeV Electron Irradiation Induced Crystallization. Materia Japan, 2010, 49, 323-324.	0.1	0
102	Structure and Mechanical Properties of Melt-Extracted Beta-Ti-Type Ti-Nb-Ta-Zr (TNTZ) Wire with High Bending Ductility. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2010, 74, 515-519.	0.2	0
103	Fabrication of Beta-Ti-Type Ti-Nb-Ta-Zr (TNTZ) Wire with High-Ductility by Arc-Melt-Type Melt-Extraction Method. Materials Transactions, 2010, 51, 377-380.	0.4	0
104	In situ TEM observation of the glass-to-liquid transition of metallic glass in Feâ€“Zrâ€“Bâ€“Cu alloy. Scripta Materialia, 2010, 63, 1020-1023.	2.6	20
105	Lowâ€Temperature Processable Organicâ€Inorganic Hybrid Gate Dielectrics for Solutionâ€Based Organic Fieldâ€Effect Transistors. Advanced Materials, 2010, 22, 4706-4710.	11.1	39
106	Preparation of Ti-Based and Zr-Based Bio-Metallic Wires by Arc-Melting Type Melt-Extraction Method. Materials Science Forum, 2010, 638-642, 2127-2132.	0.3	0
107	Device characteristics of short-channel polymer field-effect transistors. Applied Physics Letters, 2010, 97, .	1.5	36
108	Electron-irradiation-induced solid-state amorphization caused by thermal relaxation of lattice defects. Intermetallics, 2010, 18, 441-450.	1.8	12

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109	Temperature dependence of MeV-electron-irradiation-induced nanocrystallization in Zrâ€“Pt metallic glass. Intermetallics, 2010, 18, 767-772.	1.8	6
110	Temperature dependence in density-fluctuation-induced crystallization in metallic glass by MeV electron irradiation. Intermetallics, 2010, 18, 1803-1808.	1.8	13
111	Formation of dual-layer melt-spun ribbon through liquid phase separation. Intermetallics, 2010, 18, 2136-2144.	1.8	15
112	Multi-scale crystalline Cu globule dispersed Fe-based metallic glass formation by multi-step liquid phase separation. Journal of Alloys and Compounds, 2010, 494, 295-300.	2.8	34
113	Formation of melt-extracted wire of Feâ€“Cuâ€“Siâ€“B alloy with core-wire/surface-cover-layer structure by arc-melt-type melt-extraction method. Journal of Alloys and Compounds, 2010, 495, L1-L4.	2.8	17
114	Formation of macroscopic phase-separated dual-layer melt-spun ribbon from Coâ€“Siâ€“Bâ€“Cu alloy. Journal of Alloys and Compounds, 2010, 505, L43-L46.	2.8	9
115	In situ TEM observations of irradiation-induced phase change in tungsten. Journal of Materials Science, 2009, 44, 1965-1968.	1.7	6
116	Electron irradiation-induced nanocrystallization of amorphous Fe85B15 alloy: Evidence for athermal nature. Acta Materialia, 2009, 57, 1300-1307.	3.8	28
117	Electron-irradiation-induced nano-crystallization in quasicrystal-forming Zr-based metallic glass. Intermetallics, 2009, 17, 657-668.	1.8	19
118	Preparation of Niâ€“Nb-based metallic glass wires by arc-melt-type melt-extraction method. Journal of Alloys and Compounds, 2009, 485, 304-312.	2.8	10
119	Microstructual Observation by Use of the Difference in the Susceptibility to C-A Transition under MeV Electron Irradiation. Materia Japan, 2009, 48, 607-607.	0.1	1
120	Fabrication of Ti-Zr Binary Metallic Wire by Arc-Melt-Type Melt-Extraction Method. Materials Transactions, 2009, 50, 872-878.	0.4	7
121	Amorphization and subsequent crystallization in Zr66.7Ni33.3alloy under MeV electron irradiation. Journal of Physics: Conference Series, 2009, 165, 012075.	0.3	2
122	Relationship between microstrain and lattice parameter change in nanocrystalline materials. Philosophical Magazine Letters, 2008, 88, 169-179.	0.5	89
123	Electron Irradiation Induced Crystal-to-Amorphous-to-Crystal (C-A-C) Transition in Intermetallic Compounds. Materials Research Society Symposia Proceedings, 2008, 1128, 54901.	0.1	2
124	é‡'å±žææ–™ã«ãŠã‘ã‚‹é»›å€·šç…§å°„è¯˜èµ·ç›¸è»¢ç§». Materia Japan, 2008, 47, 519-523.	0.1	8
125	Preparation of Zr-Based Metallic Glass Wires for Biomaterials by Arc-Melting Type Melt-Extraction Method. Materials Transactions, 2008, 49, 1385-1394.	0.4	18
126	Nano-Crystallization and Stability of an Amorphous Phase in Fe-Nd-B Alloy under 2.0 MeV Electron Irradiation. Materials Transactions, 2008, 49, 265-274.	0.4	3

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127	Electron Irradiation Induced Crystal-to-amorphous-to-crystal (C-A-C) Transition. Materia Japan, 2008, 47, 644-644.	0.1	0
128	Phase stability in nanocrystalline metals: A thermodynamic consideration. Journal of Applied Physics, 2007, 102, 124303.	1.1	12
129	Pinpoint Nano-Crystallization and Magnetization in Fe-Nd-B Metallic Glass by Electron Irradiation. Materials Science Forum, 2007, 561-565, 1403-1406.	0.3	1
130	Unique Nano-Crystalline Structure Formation in Zr-Pd Metallic Glass by Electron Irradiation Technique. Materials Science Forum, 2007, 561-565, 1407-1412.	0.3	0
131	Phase Stability of Crystalline and Amorphous Phases and Formation of Nanostructure in Zr-Pd and Zr-Pt Alloys Under Electron Irradiation. Materials Research Society Symposia Proceedings, 2007, 1048, 3.	0.1	0
132	Preparation of Zr-based Metallic Glass Wire for Biomedical Application. Materials Research Society Symposia Proceedings, 2007, 1048, 13.	0.1	1
133	Electron Irradiation Induced Crystallization of Supercooled Liquid in Zr Based Alloys. Materials Transactions, 2007, 48, 151-157.	0.4	2
134	Electron Irradiation Induced Crystallization Behavior in Zr_{66.7}M_{33.3} (M=Cu,) Tj ETQq0 0 0 rgBT /Overlock	0.4	6
135	Electron Irradiation Induced Crystal-to-Amorphous-to-Crystal Transition in Some Metallic Glasses. Materials Transactions, 2007, 48, 1651-1658.	0.4	23
136	Electron Irradiation Induced Phase Transformation in Fe-Nd-B Alloys. Materials Transactions, 2007, 48, 1659-1664.	0.4	10
137	Phase Stability of an Amorphous Phase Against Electron Irradiation Induced Crystallization in Fe-Based Metallic Glasses. Materials Transactions, 2007, 48, 1340-1349.	0.4	7
138	Electron irradiation induced nano-crystallization in Zr66.7Ni33.3 amorphous alloy and Zr60Al15Ni25 metallic glass. Intermetallics, 2007, 15, 211-224.	1.8	35
139	In situ observation of solid-state amorphization in Nd2Fe14B alloy by electron irradiation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 1111-1114.	2.6	6
140	Electron irradiation induced crystallization and amorphization in Fe77Nd4.5B18.5 metallic glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 1115-1118.	2.6	11
141	Electron irradiation induced phase transformation of supercooled liquid and amorphous phases in Zr66.7Cu33.3 metallic glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 605-608.	2.6	4
142	Lattice distortion and its effects on physical properties of nanostructured materials. Journal of Physics Condensed Matter, 2007, 19, 236217.	0.7	32
143	Electron Irradiationâ€“Induced Phase Transition of an Amorphous Phase and Face-Centered Cubic Solid Solutions in Zr66.7Pd33.3 Metallic Glass. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 223-235.	1.1	14
144	Solid state amorphization and crystallization in Zr66.7Pd33.3 metallic glass. Intermetallics, 2006, 14, 1027-1032.	1.8	22

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145	Deformation behavior of Zr60.0Al15.0Ni25.0 metallic glass. Intermetallics, 2006, 14, 1079-1084.	1.8	2
146	Effect of crystallization behavior on the oxidation resistance of a Zrâ€“Alâ€“Cu metallic glass below the crystallization temperature. Journal of Non-Crystalline Solids, 2006, 352, 3015-3026.	1.5	14
147	Phase Transformation in Fe81.0Zr9.0B10.0 Metallic Glass during Thermal Annealing and Electron Irradiation. ISIJ International, 2006, 46, 1371-1380.	0.6	22
148	Electron-Irradiation Induced Phase Transformation of Amorphous, Supercooled Liquid and Crystalline Phases in Zr_{66.7}Cu_{33.3} Metallic Glass. Materials Transactions, 2006, 47, 1469-1479.	0.4	16
149	Electron Irradiation Induced Phase Transformation in Nd₂Fe₁₄B Alloy. Materials Transactions, 2006, 47, 1762-1768.	0.4	6
150	Control of a Nanocomposite Structure in Fe₈₆Nd₉B₅ Alloy by Electron Irradiation. Materials Transactions, 2006, 47, 335-340.	0.4	5
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