

Kyosuke Kishida

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180
papers

3,054
citations

31
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48
g-index

186
ext. papers

3,403
ext. citations

4
avg, IF

5.21
L-index

#	Paper	IF	Citations
180	Enrichment of Gd and Al atoms in the quadruple close packed planes and their in-plane long-range ordering in the long period stacking-ordered phase in the MgAlCd system. <i>Acta Materialia</i> , 2011 , 59, 7287-7299	8.4	172
179	Effects of quaternary alloying elements on the β solvus temperature of CoAlW based alloys with fcc/L12 two-phase microstructures. <i>Journal of Alloys and Compounds</i> , 2010 , 508, 71-78	5.7	152
178	Crystal structures of highly-ordered long-period stacking-ordered phases with 18R, 14H and 10H-type stacking sequences in the MgZn system. <i>Acta Materialia</i> , 2015 , 99, 228-239	8.4	105
177	Deformation of lamellar structure in TiAl-Ti3Al two-phase alloys. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1998 , 78, 1-28		99
176	Temperature dependence of yield stress, tensile elongation and deformation structures in polysynthetically twinned crystals of Ti-Al. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1995 , 72, 1609-1631		94
175	Ultrahigh strength and high plasticity in TiAl intermetallics with bimodal grain structure and nanotwins. <i>Scripta Materialia</i> , 2012 , 67, 814-817	5.6	83
174	Single-crystal elastic constants of Co3(Al,W) with the L12 structure. <i>Applied Physics Letters</i> , 2007 , 91, 181907	3.4	79
173	Plastic deformation of polycrystals of Co3(Al,W) with the L12 structure. <i>Philosophical Magazine</i> , 2011 , 91, 3667-3684	1.6	70
172	The crystal structure of the LPSO phase of the 14H-type in the MgAlCd alloy system. <i>Intermetallics</i> , 2012 , 31, 55-64	3.5	68
171	High thermoelectric performance of type-III clathrate compounds of the BaTeGa system. <i>Acta Materialia</i> , 2006 , 54, 2057-2062	8.4	64
170	Spontaneous catalytic activation of Ni3Al thin foils in methanol decomposition. <i>Journal of Catalysis</i> , 2006 , 243, 99-107	7.3	59
169	Fabrication of Ni3Al thin foil by cold-rolling. <i>Intermetallics</i> , 2001 , 9, 157-167	3.5	58
168	Deformation and fracture of PST crystals and directionally solidified ingots of TiAl-based alloys. <i>Intermetallics</i> , 1998 , 6, 679-683	3.5	57
167	A comprehensive understanding of structure and site occupancy of Y in Y-doped BaZrO3. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3027	13	50
166	Fabrication of thin Ni3Al foils by cold rolling. <i>Scripta Materialia</i> , 2002 , 47, 267-272	5.6	49
165	Crystal structure and thermoelectric properties of chimney-ladder compounds in the Ru2Si3Mn4Si7 pseudobinary system. <i>Acta Materialia</i> , 2009 , 57, 5036-5045	8.4	48
164	Plastic deformation of single crystals of Ti5Si3 with the hexagonal D88 structure. <i>Acta Materialia</i> , 2010 , 58, 846-857	8.4	47

163	Microstructures and hydrogen permeability of directionally solidified Nb ₅₀ Ni ₅₀ Ti alloys with the Nb ₅₀ Ni ₅₀ Ti eutectic microstructure. <i>Intermetallics</i> , 2008 , 16, 88-95	3.5	47
162	Crystal structure and thermoelectric properties of type-I clathrate compounds in the Ba ₈ Ga ₁₆ Ge ₃₀ system. <i>Journal of Applied Physics</i> , 2006 , 100, 073504	2.5	47
161	Effect of In additions on the thermoelectric properties of the type-I clathrate compound Ba ₈ Ga ₁₆ Ge ₃₀ . <i>Journal of Applied Physics</i> , 2007 , 101, 113525	2.5	46
160	Effects of cerium on the hydrogen absorption-desorption properties of rare earth-Mg-Ni hydrogen-absorbing alloys. <i>Journal of Power Sources</i> , 2017 , 346, 56-62	8.9	44
159	Catalytic properties of alkali-leached Ni ₃ Al for hydrogen production from methanol. <i>Intermetallics</i> , 2005 , 13, 151-155	3.5	44
158	Catalytic Properties of Ni ₃ Al Foils for Methanol Decomposition. <i>Catalysis Letters</i> , 2006 , 106, 71-75	2.8	44
157	Improvement of Grain-Boundary Conductivity of Trivalent Cation-Doped Barium Zirconate Sintered at 1600°C by Co-doping Scandium and Yttrium. <i>Journal of the Electrochemical Society</i> , 2008 , 155, B581	3.9	42
156	Effects of Al-concentration and lamellar spacing on the room-temperature strength and ductility of PST crystals of TiAl. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 239-240, 336-343	5.3	41
155	The most stable crystal structure and the formation processes of an order-disorder (OD) intermetallic phase in the Mg ₂ Al ₃ Cd ternary system. <i>Philosophical Magazine</i> , 2013 , 93, 2826-2846	1.6	40
154	Catalytic Properties of Ni ₃ Al Intermetallics for Methanol Decomposition. <i>Materials Transactions</i> , 2004 , 45, 3177-3179	1.3	39
153	Recent progress in our understanding of deformation and fracture of two-phase and single-phase TiAl alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996 , 213, 25-31	5.3	39
152	Anisotropic plastic deformation of single crystals of the MAX phase compound Ti ₃ SiC ₂ investigated by micropillar compression. <i>Acta Materialia</i> , 2018 , 161, 161-170	8.4	39
151	Degradation factors in (La,Sr)(Co,Fe)O ₃ - cathode/Sm ₂ O ₃ /CeO ₂ interlayer/Y ₂ O ₃ /ZrO ₂ electrolyte system during operation of solid oxide fuel cells. <i>Journal of Power Sources</i> , 2016 , 312, 80-85	8.9	32
150	Plastic deformation of V- and Zr-alloyed PST TiAl in tension and compression at room temperature. <i>Acta Metallurgica Et Materialia</i> , 1995 , 43, 1075-1086		32
149	Compression of Micro-pillars of a Long Period Stacking Ordered Phase in the Mg-Zn-Y system. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 151-156		30
148	Specimen size and shape dependent yield strength in micropillar compression deformation of Mo single crystals. <i>International Journal of Plasticity</i> , 2017 , 92, 45-56	7.6	29
147	Deformation twinning in a Mg ₂ Al ₃ Cd ternary alloy containing precipitates with a long-period stacking-ordered (LPSO) structure. <i>Scripta Materialia</i> , 2014 , 89, 25-28	5.6	29
146	Strategy for managing both high strength and large ductility in structural materials—Sequential nucleation of different deformation modes based on a concept of plaston. <i>Scripta Materialia</i> , 2020 , 181, 35-42	5.6	27

145	Compositional variations at TiAl-TiAl lamellar boundaries in binary and some ternary polysynthetically twinned Ti-Al. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1996 , 74, 451-464		27
144	Effects of lattice misfit on plastic deformation behavior of single-crystalline micropillars of Ni-based superalloys. <i>Acta Materialia</i> , 2017 , 138, 119-130	8.4	26
143	Room-temperature mechanical properties of cold-rolled thin foils of binary, stoichiometric Ni ₃ Al. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2002 , 33, 2607-2613	3.3	26
142	Deformation of PST crystals of a TiAl/Ti ₃ Al two-phase alloy at 1000°C. <i>Intermetallics</i> , 1999 , 7, 1131-1139	3.5	26
141	Microstructure and fracture toughness in boron added NbSi ₂ (C40)/MoSi ₂ (C11b) duplex crystals. <i>Scripta Materialia</i> , 2016 , 113, 236-240	5.6	25
140	Gamma Titanium Aluminide Alloys. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 364, 03		25
139	Deposition of NiAl coating for improvement of oxidation resistance of cold-rolled Ni ₃ Al foils. <i>Intermetallics</i> , 2005 , 13, 129-136	3.5	24
138	Experimental evaluation of critical resolved shear stress for the first-order pyramidal c + a slip in commercially pure Ti by micropillar compression method. <i>Acta Materialia</i> , 2020 , 196, 168-174	8.4	23
137	Thermoelectric properties of ternary and Al-containing quaternary Ru _{1-x} Re _x Si _y chimney-ladder compounds. <i>Acta Materialia</i> , 2009 , 57, 2010-2019	8.4	22
136	Fabrication of thin foils of binary NiAl/Ti two-phase alloys by cold rolling. <i>Intermetallics</i> , 2002 , 10, 255-263	3.5	22
135	Effects of ternary additions on the microstructure and thermal stability of directionally-solidified MoSi ₂ /Mo ₅ Si ₃ eutectic composites. <i>Intermetallics</i> , 2014 , 52, 72-85	3.5	21
134	Plastic deformation of single crystals of the equiatomic CrMnBeCoNi high-entropy alloy in tension and compression from 10K to 1273K. <i>Acta Materialia</i> , 2021 , 203, 116454	8.4	21
133	Directional bonding and asymmetry of interfacial structure in intermetallic TiAl: Combined theoretical and electron microscopy study. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1997 , 75, 1447-1459		19
132	Orientation dependence of texture evolution in cold-rolled Ni ₃ Al single crystals. <i>Philosophical Magazine</i> , 2003 , 83, 3029-3046	1.6	19
131	Evolution of lattice defects, disordered/ordered phase transformations and mechanical properties in NiAl/Ti intermetallics by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , 2013 , 563, 221-228	5.7	18
130	Microstructure of the LiCoO ₂ (cathode)/La _{2/3} Li ₃ TiO ₃ (electrolyte) interface and its influences on the electrochemical properties. <i>Acta Materialia</i> , 2007 , 55, 4713-4722	8.4	18
129	Formation of a series of chimney-ladder compounds in the RuReSi system. <i>Acta Materialia</i> , 2006 , 54, 2857-2865	8.4	18
128	c-Axis tensile deformation of Ti ₃ Al with the DO ₁₉ structure at room temperature. <i>Acta Materialia</i> , 1999 , 47, 3405-3410	8.4	18

127	Electrochemical property of solid solutions formed in (La,Sr)(Co,Fe)O ₃ cathode/doped-CeO ₂ interlayer/Y ₂ O ₃ /ZrO ₂ electrolyte system during operation of solid oxide fuel cells. <i>Solid State Ionics</i> , 2017 , 300, 135-139	3.3	17
126	Electron diffraction of ABX ₃ perovskites with both layered ordering of A cations and tilting of BX ₆ octahedra. <i>Acta Crystallographica Section B: Structural Science</i> , 2009 , 65, 405-15		17
125	Crystal structure and thermoelectric properties of type-III clathrate compounds in the BaThGe system. <i>Journal of Applied Physics</i> , 2007 , 102, 094506	2.5	16
124	Deformation twinning in single crystals of a D0 ₁₉ compound with an off-stoichiometric composition (TiB ₆ .5at.%Al). <i>Acta Materialia</i> , 2004 , 52, 4941-4952	8.4	16
123	Ductility of cold-rolled and recrystallized Ni ₃ Al foils. <i>Journal of Materials Research</i> , 2005 , 20, 1054-1062	2.5	16
122	Micropillar compression deformation of single crystals of Mo ₅ SiB ₂ with the tetragonal D _{8h} structure. <i>Acta Materialia</i> , 2018 , 159, 416-428	8.4	16
121	Function of aluminum in crystal structure of rare earth Mg-Ni hydrogen-absorbing alloy and deterioration mechanism of Nd 0.9 Mg 0.1 Ni 3.5 and Nd 0.9 Mg 0.1 Ni 3.3 Al 0.2 alloys. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 11574-11583	6.7	15
120	A formation criterion for Order-Disorder (OD) phases of the Long-Period Stacking Order (LPSO)-type in Mg-Al-RE (Rare Earth) Ternary Systems. <i>Scientific Reports</i> , 2017 , 7, 12294	4.9	15
119	Room temperature deformation of 6H-BiC single crystals investigated by micropillar compression. <i>Acta Materialia</i> , 2020 , 187, 19-28	8.4	14
118	Substantial appearance of origin of conductivity decrease in Y-doped BaZrO ₃ due to Ba-deficiency. <i>RSC Advances</i> , 2014 , 4, 31589	3.7	13
117	Crystal and defect structures of La _{2/3} xLi _{3x} TiO ₃ (x ~ 0.1) produced by a melt process. <i>Journal of Electron Microscopy</i> , 2007 , 56, 225-34		13
116	Direct atomic scale imaging of grain boundaries and defects in Bi-2223/Ag high-T _c superconducting tapes. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 351, 281-294	1.3	13
115	Orientation relationships, interface structures, and mechanical properties of directionally solidified MoSi ₂ /Mo ₅ Si ₃ /Mo ₅ Si ₃ C composites. <i>Intermetallics</i> , 2016 , 73, 12-20	3.5	12
114	Pressure induced phase transformation of Ba ₈ Ga ₁₆ Ge ₃₀ clathrate studied by x-ray diffraction and Raman spectroscopy. <i>Journal of Applied Physics</i> , 2010 , 107, 013517	2.5	12
113	Compression of Micropillars of TiAl Coexisting with Ti ₃ Al. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1295, 201		12
112	Dislocation dissociation in TiAl alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1997 , 233, 111-115	5.3	12
111	Microstructure and mechanical properties of a MoSi ₂ -Mo ₅ Si ₃ eutectic composite processed by laser surface melting. <i>Materials Characterization</i> , 2019 , 148, 162-170	3.9	12
110	New crystal structure of Nd ₂ Ni ₇ formed on the basis of stacking of block layers. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 3023-3034	6.7	11

109	Cr segregation at C11b/C40 interface in MoSi ₂ -based alloys: A first-principles study. <i>Intermetallics</i> , 2013 , 42, 165-169	3.5	11
108	Thermoelectric properties and crystal structure of type-III clathrate compounds in the BaAl ₄ Ge system. <i>Journal of Applied Physics</i> , 2007 , 102, 034510	2.5	11
107	Microstructure and Texture Evolution during Cold Rolling and Recrystallization of Ni ₃ Al Single Crystals. <i>Defect and Diffusion Forum</i> , 2004 , 233-234, 37-48	0.7	11
106	Structure Analysis of a Long Period Stacking Ordered Phase in Mg-Al-Gd Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1295, 267		10
105	Microstructure and electrochemical properties of the HT-LiCoO ₂ /La ₂ /3-xLi ₃ TiO ₃ solid electrolyte interfaces. <i>Journal of Materials Research</i> , 2010 , 25, 1583-1587	2.5	10
104	Texture Development of Ni ₃ Al Thin Foils during Recrystallization and Grain Growth. <i>Materials Science Forum</i> , 2004 , 467-470, 447-452	0.4	10
103	Polarization of plastic deformation modes in polysynthetically twinned TiAl crystals. <i>Journal of Materials Research</i> , 2003 , 18, 702-708	2.5	10
102	Plastic deformation of directionally solidified ingots of binary and some ternary MoSi/MoSi eutectic composites. <i>Science and Technology of Advanced Materials</i> , 2016 , 17, 517-529	7.1	10
101	Mechanisms of Cr segregation to C11b/C40 lamellar interface in (Mo,Nb)Si ₂ duplex silicide: A phase-field study to bridge experimental and first-principles investigations. <i>Intermetallics</i> , 2014 , 54, 232-241	3.5	9
100	Tensile and bending deformation of Ni ₃ Al heavily cold-rolled foil. <i>Intermetallics</i> , 2005 , 13, 608-614	3.5	9
99	On the influence of crystallography and dendritic microstructure on micro shear behavior of single crystal Ni-based superalloys. <i>Acta Materialia</i> , 2018 , 160, 173-184	8.4	9
98	Mechanical Properties of TiAl and TiAl-Base Alloys. <i>NATO ASI Series Series B: Physics</i> , 1996 , 547-579		9
97	Micropillar Compression of MoSi ₂ Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1760, 79		8
96	Elastic instability condition of the raft structure during creep deformation in nickel-base superalloys. <i>Acta Materialia</i> , 2008 , 56, 3786-3790	8.4	8
95	Pattern formation mechanism of directionally-solidified MoSi ₂ /Mo ₅ Si ₃ eutectic by phase-field simulation. <i>Intermetallics</i> , 2020 , 116, 106590	3.5	8
94	Room temperature deformation of single crystals of TiSi with the hexagonal D ₈ structure investigated by micropillar compression tests. <i>Scientific Reports</i> , 2020 , 10, 17983	4.9	8
93	Data in support of crystal structures of highly-ordered long-period stacking-ordered phases with 18R, 14H and 10H-type stacking sequences in the Mg-Zn-Y system. <i>Data in Brief</i> , 2015 , 5, 314-20	1.2	7
92	Crystal Structures of Long-Period Stacking-Ordered Phases in the Mg-TM-RE Ternary Systems. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 291-302		7

91	Structural and Thermoelectric Properties of Chimney Ladder Compounds in the Ru-Mn-Si System. <i>Journal of Electronic Materials</i> , 2010 , 39, 1640-1644	1.9	7
90	c-axis compression twinning in an off-stoichiometric compound Ti ₃ Al with the D019 structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 400-401, 339-344	5.3	7
89	Synthesis of Porous Titanium with Directional Pores by Selective Laser Melting. <i>International Journal of Automation Technology</i> , 2012 , 6, 597-603	0.8	7
88	Microstructures and hydrogen absorption-desorption behavior of an A2B7-based La-Mg-Ni alloy. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 22159-22166	6.7	6
87	Mechanisms of lamellar structure formation and Cr interfacial segregation in C11b-MoSi ₂ /C40-NbSi ₂ dual phase silicide verified by a phase-field simulation incorporating elastic inhomogeneity. <i>Computational Materials Science</i> , 2015 , 108, 358-366	3.2	6
86	Physical and Mechanical Properties of Single Crystals of Co-Al-W Based Alloys with L12 Single-Phase and L12/fcc Two-Phase Microstructures. <i>Materials Science Forum</i> , 2010 , 638-642, 1342-1347	7.4	6
85	Mechanical Properties of the Ternary L12 Compound Co ₃ (Al,W) in Single and Polycrystalline Forms. <i>Advanced Materials Research</i> , 2011 , 278, 1-6	0.5	6
84	Tensile properties and cold rolling of binary Ni ₃ Al γ/γ' two-phase single crystals. <i>Intermetallics</i> , 2008 , 16, 1317-1324	3.5	6
83	Plastic Deformation of Directionally-Solidified MoSi ₂ /Mo ₅ Si ₃ Eutectic Composites. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 195-200		5
82	Evolution of orientation distributions of γ and γ' phases during creep deformation of Ni-base single crystal superalloys. <i>Acta Materialia</i> , 2009 , 57, 1078-1085	8.4	5
81	Morphology change of γ' precipitates in γ/γ' two-phase microstructure in Co-based superalloys by higher-order alloying. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1295, 423		5
80	First-principles study on phase stability of MoSi ₂ -NbSi ₂ pseudobinary alloys. <i>Physical Review B</i> , 2012 , 85,	3.3	5
79	Texture memory effect in heavily cold-rolled Ni ₃ Al single crystals. <i>Acta Materialia</i> , 2007 , 55, 1779-1789	8.4	5
78	Crystal Structure and Thermoelectric Properties of ReSi _{1.75} Based Alloys. <i>Advanced Materials Research</i> , 2007 , 26-28, 197-200	0.5	5
77	Cyclic oxidation behavior and recrystallization of cold-rolled Ni ₃ Al foils. <i>Materials Letters</i> , 2004 , 58, 2867-2871	3.9	5
76	Catalytic Properties of Ni ₃ Al for Hydrogen Production Reactions. <i>Materials Science Forum</i> , 2005 , 475-479, 755-758	0.4	5
75	Micropillar compression deformation of single crystals of ϵ -NbSi with the tetragonal D8 structure. <i>Science and Technology of Advanced Materials</i> , 2021 , 21, 805-816	7.1	4
74	High-T _c ferromagnetic semiconductor-like behavior and unusual electrical properties in compounds with a 2 \times 2 \times superstructure of the half-Heusler phase. <i>Chemistry - A European Journal</i> , 2012 , 18, 2536-42	4.8	4

73	Physical and Mechanical Properties of Co ₃ (Al,W) with the L1 ₂ Structure in Single and Polycrystalline Forms. <i>Key Engineering Materials</i> , 2011 , 465, 9-14	0.4	4
72	Mechanical Properties of Cr ₅ Si ₃ with the D8 _m Structure. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1295, 213		4
71	Laser Spot Welding of Cold-Rolled Boron-Free Ni ₃ Al Foils. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007 , 38, 1041-1047	2.3	4
70	Thermoelectric Properties of Ru ₂ Si ₃ -Based Chimney-Ladder Phases. <i>Materials Science Forum</i> , 2007 , 561-565, 463-466	0.4	4
69	Notch sensitivity of heavily cold-rolled Ni ₃ Al foils. <i>Scripta Materialia</i> , 2005 , 53, 1339-1343	5.6	4
68	Direct observation of zonal dislocation in complex materials by atomic-resolution scanning transmission electron microscopy. <i>Acta Materialia</i> , 2022 , 117756	8.4	4
67	Room-temperature deformation of single crystals of transition-metal disilicides (TMSi ₂) with the C11b (TM = Mo) and C40 (TM = V, Cr, Nb and Ta) structures investigated by micropillar compression. <i>Acta Materialia</i> , 2021 , 223, 117468	8.4	4
66	Tensile and compressive plastic deformation behavior of medium-entropy Cr-Co-Ni single crystals from cryogenic to elevated temperatures. <i>International Journal of Plasticity</i> , 2021 , 148, 103144	7.6	4
65	Plastic deformation of single crystals of CrB ₂ , TiB ₂ and ZrB ₂ with the hexagonal AlB ₂ structure. <i>Acta Materialia</i> , 2021 , 211, 116857	8.4	4
64	Microstructures and Mechanical Properties of MoSi ₂ / Mo ₅ Si ₃ / Mo ₅ Si ₃ C Ternary Eutectic Composite. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1760, 169		3
63	Effects of Ternary Additions on the Microstructure of Directionally-Solidified MoSi ₂ /Mo ₅ Si ₃ Eutectic Composites. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 189-194		3
62	Phase-Field Simulation of Lamellar Structure Formation in MoSi ₂ /NbSi ₂ Duplex Silicide. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 309-315		3
61	Anisotropy in Cold Rolling of Single Crystalline Ni ₃ -Al-Base Intermetallic Alloys. <i>Materials Science Forum</i> , 2005 , 495-497, 737-742	0.4	3
60	Ni ₃ Al?????????????. <i>Materia Japan</i> , 2002 , 41, 283-289	0.1	3
59	Crystal Structure Evolution of La ₂ Ni ₇ during Hydrogenation. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 183-188		2
58	Interface Migration with Segregation in MoSi ₂ -Based Lamellar Alloy Simulated by Phase-Field Method. <i>Advanced Materials Research</i> , 2014 , 922, 832-837	0.5	2
57	Phase-Field Study on the Segregation Mechanism of Additive Elements in NbSi ₂ /MoSi ₂ Duplex Silicide. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 145-150		2
56	Micro-pillar Compression of Ni-base Superalloy Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1516, 209-214		2

55	Direct Observation of Vacancies and Local Thermal Vibration in Thermoelectric Rhenium Silicide. <i>Applied Physics Express</i> , 2012 , 5, 035203	2.4	2
54	Microstructure Evolution during Lithiation and Delithiation of Ni ₃ Sn ₂ Anode for Lithium Secondary Batteries. <i>Advanced Materials Research</i> , 2007 , 26-28, 225-228	0.5	2
53	Defect Generation in Some Transition-Metal Silicides in Accommodating the Deviation from the Stoichiometric Compositions. <i>Materials Science Forum</i> , 2007 , 561-565, 443-446	0.4	2
52	Identification of the Chirality and Polarity of Intermetallic Compounds with the Point Groups of 23, 432, 422, and 321 by Electron Diffraction. <i>Materials Science Forum</i> , 2007 , 539-543, 1457-1462	0.4	2
51	Microstructures in Cold-Rolled Ni ₃ Al Single Crystals. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 842, 281		2
50	Mechanical Properties of Cold-Rolled Ni ₃ Al Thin Foils. <i>Materials Science Forum</i> , 2003 , 426-432, 1727-1730.	0.4	2
49	Correlative atom probe tomography and scanning transmission electron microscopy reveal growth sequence of LPSO phase in Mg alloy containing Al and Gd. <i>Scientific Reports</i> , 2021 , 11, 3073	4.9	2
48	Room-temperature deformation of single crystals of ZrB and TiB with the hexagonal AlB structure investigated by micropillar compression. <i>Scientific Reports</i> , 2021 , 11, 14265	4.9	2
47	Slip System Analysis in the Cold Rolling of a Ni ₃ Al Single Crystal. <i>Materials Science Forum</i> , 2014 , 783-786, 1111-1116	0.4	1
46	Improvement of Thermoelectric Properties of Chimney-ladder Compounds through the Introduction of PBET Interfaces. <i>Materia Japan</i> , 2011 , 50, 149-151	0.1	1
45	Improvement of the Thermoelectric Properties of the Chimney-Ladder Compounds in the Ru-Mn-Si System. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1218, 1		1
44	Texture Development during Recrystallization and Grain Growth in Heavily Cold-rolled Intermetallics. <i>Materia Japan</i> , 2009 , 48, 452-457	0.1	1
43	Microstructures and Mechanical Properties of Co ₃ (Al,W) with the L12 Structure. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1128, 52601		1
42	Mechanical and Thermal Properties of Single Crystals of Some Thermoelectric Clathrate Compounds. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1128, 11101		1
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