List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mechanical properties of porous titanium compacts prepared by powder sintering. Scripta Materialia, 2003, 49, 1197-1202.	5.2	496
2	Beta TiNbSn Alloys with Low Young's Modulus and High Strength. Materials Transactions, 2005, 46, 1070-1078.	1.2	285
3	Beta Ti Alloys with Low Young's Modulus. Materials Transactions, 2004, 45, 2776-2779.	1.2	265
4	Effect of Heat Treatment and Sn Content on Superelasticity in Biocompatible TiNbSn Alloys. Materials Transactions, 2002, 43, 2978-2983.	1.2	256
5	The bone tissue compatibility of a new Ti–Nb–Sn alloy with a low Young's modulus. Acta Biomaterialia, 2011, 7, 2320-2326.	8.3	195
6	Microstructures and mechanical properties of metastable β TiNbSn alloys cold rolled and heat treated. Journal of Alloys and Compounds, 2007, 439, 146-155.	5.5	166
7	Transmission electron microscopic observations of mechanical twinning in metastable beta titanium alloys. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1986, 17, 1409-1420.	1.4	164
8	Microstructure and room temperature fracture toughness of Nbss/Nb5Si3 in situ composites. Intermetallics, 2001, 9, 827-834.	3.9	133
9	Deformation characteristics in Î' phase Ti-Nb alloys. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1985, 16, 789-795.	1.4	112
10	The effect of scandium addition on microstructure and mechanical properties of Al–Si–Mg alloy: A multi-refinement modifier. Materials Characterization, 2015, 110, 160-169.	4.4	110
11	Oxidation behavior of Mo5SiB2-based alloy at elevated temperatures. Intermetallics, 2002, 10, 407-414.	3.9	105
12	Microstructure and high temperature strength at 1773 K of Nbss/Nb5Si3 composites alloyed with molybdenum. Intermetallics, 2002, 10, 625-634.	3.9	103
13	Effects of Cu content and Cu/Mg ratio on the microstructure and mechanical properties of Al–Si–Cu–Mg alloys. Journal of Alloys and Compounds, 2015, 649, 291-296.	5.5	101
14	Microstructures and Mechanical Properties of Porous Titanium Compacts Prepared by Powder Sintering. Materials Transactions, 2002, 43, 443-446.	1.2	100
15	Grain boundary fracture of L12 type intermetallic compound Ni3Ai. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1985, 16, 441-443.	1.4	99
16	Slip Modes in B2-Type Intermetallic Alloys. Materials Transactions, JIM, 1990, 31, 435-442.	0.9	96
17	Deformability improvement in C15 NbCr2 intermetallics by addition of ternary elements. Acta Materialia, 1996, 44, 669-674.	7.9	94
18	Application of the selected area channeling pattern method to the study of intergranular fracture in Ni3Al. Acta Metallurgica, 1986, 34, 13-21.	2.1	90

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19	Fabrication of pure Al/Mg–Li alloy clad plate and its mechanical properties. Journal of Materials Processing Technology, 2005, 169, 9-15.	6.3	90
20	The synergic effects of Sc and Zr on the microstructure and mechanical properties of Al–Si–Mg alloy. Materials and Design, 2015, 88, 485-492.	7.0	90
21	Martensite transformation temperatures and mechanical properties of ternary NiTi alloys with offstoichiometric compositions. Intermetallics, 1998, 6, 291-301.	3.9	85
22	Yielding and plastic flow behavior of B2-type Fe-39.5 mol.% A1 single crystals in compression. Acta Metallurgica Et Materialia, 1995, 43, 4141-4151.	1.8	81
23	Effect of Zr, Sn and Al Additions on Deformation Mode and Beta Phase Stability of Metastable Beta Ti Alloys ISIJ International, 1991, 31, 807-813.	1.4	79
24	High temperature strength, fracture toughness and oxidation resistance of Nb–Si–Al–Ti multiphase alloys. Science and Technology of Advanced Materials, 2002, 3, 145-156.	6.1	79
25	Effect of stress-induced α″ martensite on Young's modulus of β Ti–33.6Nb–4Sn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 588, 403-410.	5.6	74
26	Deformation behaviour of retained ? phase in?-eutectoid Ti-Cr alloys. Journal of Materials Science, 1986, 21, 4131-4139.	3.7	73
27	Composition dependence of young's modulus in Ti-V, Ti-Nb, and Ti-V-Sn alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 3239-3249.	2.2	72
28	High-temperature strength and room-temperature toughness of Nb–W–Si–B alloys prepared by arc-melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 364, 151-158.	5.6	71
29	Mechanical properties of As-cast and directionally solidified Nb-Mo-W-Ti-Si in-situ composites at high temperatures. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 85-94.	2.2	70
30	Microstructure and room temperature deformation of Nbss/Nb5Si3 in situ composites alloyed with Mo. Intermetallics, 2001, 9, 521-527.	3.9	67
31	Effect of Plastic Deformation Modes on Tensile Properties of Beta Titanium Alloys. Transactions of the Japan Institute of Metals, 1986, 27, 496-503.	0.5	66
32	α′ Martensite Ti–V–Sn alloys with low Young's modulus and high strength. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 448, 39-48.	5.6	62
33	Mechanical properties and fracture behavior of an NbSS/Nb5Si3 in-situ composite modified by Mo and Hf alloying. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 372, 137-144.	5.6	61
34	Deformation of Fe3Al single crystals at high temperatures. Scripta Metallurgica, 1981, 15, 1345-1348.	1.2	59
35	Effect of carbon on microstructure and high-temperature strength of Nbî—,Moî—,Tiî—,Si in situ composites prepared by arc-melting and directional solidification. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 343, 282-289.	5.6	58
36	Mechanical properties of porous Ti–15Mo–5Zr–3Al compacts prepared by powder sintering. Materials Science and Engineering C, 2005, 25, 330-335.	7.3	58

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37	Mechanical properties and microstructures of β Ti–25Nb–11Sn ternary alloy for biomedical applications. Materials Science and Engineering C, 2013, 33, 1629-1635.	7.3	58
38	Microstructure and oxidation resistance of a plasma sprayed Mo–Si–B multiphase alloy coating. Intermetallics, 2003, 11, 735-742.	3.9	54
39	Ductilization of Ni3Al by macroalloying with Pd. Acta Metallurgica Et Materialia, 1991, 39, 1799-1805.	1.8	53
40	High temperature strength of Nb3Al-base alloys. Intermetallics, 1998, 6, 735-739.	3.9	52
41	Deformation of metastable betaTi-15Mo-5Zr alloy single crystals. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1980, 11, 1447-1452.	1.4	49
42	Tensile properties of B2-type Fe-39mol%Al single crystals at elevated temperatures. Intermetallics, 1996, 4, 159-168.	3.9	49
43	Relation between ductility and grain boundary character distributions in Ni3Al. Acta Metallurgica Et Materialia, 1994, 42, 1733-1738.	1.8	48
44	Toughness and strength characteristics of Nb-W-Si ternary alloys prepared by Arc melting. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 2861-2871.	2.2	48
45	Superplasticity in a Recrystallized Ni ₃ Al Polycrystal Doped with Boron. Materials Transactions, JIM, 1989, 30, 77-85.	0.9	46
46	Site occupation determination of Pd in Ni3Al by ALCHEMI. Acta Metallurgica Et Materialia, 1991, 39, 13-18.	1.8	46
47	Superplastic deformation in Ni3(Si, Ti) alloys. Acta Metallurgica Et Materialia, 1992, 40, 1895-1906.	1.8	46
48	Potential of IrAl base alloys as ultrahigh-temperature smart coatings. Intermetallics, 2000, 8, 1081-1090.	3.9	46
49	Improving stress shielding following total hip arthroplasty by using a femoral stem made of β type Ti-33.6Nb-4Sn with a Young's modulus gradation. Journal of Biomechanics, 2017, 63, 135-143.	2.1	46
50	Self-accomodation and morphology of 14M (7R) martensites in an Niî—,370at.%Al alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 189, 191-199.	5.6	42
51	The Mode of Plastic Deformation of β Ti–V Alloys. Transactions of the Japan Institute of Metals, 1982, 23, 507-517.	0.5	41
52	Microstructure and mechanical properties of Al2O3/Y3Al5O12/ZrO2 ternary eutectic materials. Journal of the European Ceramic Society, 2005, 25, 1411-1417.	5.7	41
53	Fabrication of a high-performance hip prosthetic stem using β Ti–33.6Nb–4Sn. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 30, 140-149.	3.1	41
54	Composition Dependence of Young's Modulus in Beta Titanium Binary Alloys. Materials Science Forum, 2003, 426-432, 3103-3108.	0.3	40

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55	Influences of Al content and secondary phase of Mo5(Si,Al)3 on the oxidation resistance of Al-rich Mo(Si,Al)2-base composites. Intermetallics, 2003, 11, 721-733.	3.9	39
56	Synthesis of Mo–Si–B in situ composites by mechanical alloying. Journal of Alloys and Compounds, 2007, 434-435, 420-423.	5.5	39
57	High strength aluminum cast alloy: A Sc modification of a standard Al–Si–Mg cast alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 604, 122-126.	5.6	39
58	Environmental embrittlement and grain boundary segregation of boron in Ni3(Si,Ti) and Co3Ti alloys. Scripta Metallurgica Et Materialia, 1993, 29, 1587-1591.	1.0	38
59	Environmental embrittlement of \hat{I}^3 titanium aluminide. Journal of Materials Research, 1992, 7, 2739-2746.	2.6	37
60	Improvement in ductility of Ni3Al by γ former doping. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 152, 108-113.	5.6	37
61	Niobium aluminides. Current Opinion in Solid State and Materials Science, 1997, 2, 279-283.	11.5	37
62	Effect of alloy composition on microstructure and high temperature properties of Nb–Zr–C ternary alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 341, 282-288.	5.6	36
63	Effect of Alloy Chemistry on the High Temperature Strengths and Room Temperature Fracture Toughness of Advanced Nb-Based Alloys. Materials Transactions, 2004, 45, 493-501.	1.2	36
64	Microstructures and bond strengths of plasma-sprayed hydroxyapatite coatings on porous titanium substrates. Journal of Materials Science: Materials in Medicine, 2005, 16, 635-640.	3.6	36
65	Effects of substitution of Al for Si on the lattice variations and thermal expansion of Mo(Si,Al) 2. Intermetallics, 2004, 12, 33-41.	3.9	35
66	In-vitro biomechanical evaluation of stress shielding and initial stability of a low-modulus hip stem made of β type Ti-33.6Nb-4Sn alloy. Medical Engineering and Physics, 2014, 36, 1665-1671.	1.7	35
67	Recrystallization in cold-rolled pure nickel. Acta Metallurgica, 1988, 36, 403-412.	2.1	34
68	Orientation Dependence of Twinning in Commercially Pure Titanium. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1990, 54, 976-984.	0.4	34
69	Effect of γ and γ ′ former doping on ductility of Ni3Al. Scripta Metallurgica Et Materialia, 1991, 25, 303-307.	1.0	34
70	Effect of APB type on tensile properties of Cr added Fe3Al with D03 structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 194, 53-61.	5.6	34
71	Effect of composition on hydrogen absorbing properties in binary TiMn2 based alloys. Journal of Alloys and Compounds, 2003, 352, 210-217.	5.5	34
72	Effect of Sc and Sr on the Eutectic Si Morphology and Tensile Properties of Al-Si-Mg Alloy. Journal of Materials Engineering and Performance, 2017, 26, 1605-1613.	2.5	34

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73	Crystallography of Stress-Induced B2→7R Martensitic Transformation in a Ni-37.0 at%Al Alloy. Materials Transactions, JIM, 1992, 33, 282-288.	0.9	33
74	Microstructures and Mechanical Properties of Porosity-Graded Pure Titanium Compacts. Materials Transactions, 2003, 44, 657-660.	1.2	32
75	Effect of carbon on the tensile properties of Nb–Mo–W alloys at 1773 K. Journal of Alloys and Compounds, 2002, 333, 170-178.	5.5	31
76	Determination of site occupation probability of Cu in Ni3Al by atom-probe field ion microscopy. Acta Metallurgica Et Materialia, 1992, 40, 419-425.	1.8	30
77	Vacancy clustering and relaxation behavior in rapidly solidified B2 FeAl ribbons. Acta Materialia, 2005, 53, 3751-3764.	7.9	30
78	Photo-induced properties of anodic oxide films on Ti6Al4V. Thin Solid Films, 2012, 520, 4956-4964.	1.8	30
79	Effect of swaging on Young׳s modulus of β Ti–33.6Nb–4Sn alloy. Journal of the Mechanical Behavior of Biomedical Materials, 2014, 32, 310-320.	3.1	30
80	Microstructure and formation mechanism of grain-refining particles in Al-Ti-C-RE grain refiners. Journal of Rare Earths, 2015, 33, 553-560.	4.8	30
81	Plasticity of β-brass Single Crystals at Low Temperatures. Transactions of the Japan Institute of Metals, 1975, 16, 453-461.	0.5	29
82	Plastic deformation mode of retained? phase in?-eutectoid Ti-Fe alloys. Journal of Materials Science, 1986, 21, 866-870.	3.7	29
83	Stress asymmetry of stoichiometric NiAl single crystals. Acta Metallurgica Et Materialia, 1993, 41, 1021-1031.	1.8	28
84	Transmission electron microscopic observation of thermally introduced planar faults in Fe-35 mol.% Al alloys. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 73, 443-456.	0.6	28
85	Solid-Solution Strengthening and High-Temperature Compressive Strength of Nb-X Alloys (X=Ta, V, Mo) Tj ETQqI	1 0.7843 0.4	314 rgBT /Ov 28
86	Determination of density and vacancy concentration in rapidly solidified FeAl ribbons. Intermetallics, 2003, 11, 707-711.	3.9	28
87	Effect of Frozen-in Vacancies on Hardness and Tensile Properties of Polycrystalline B2 FeAl. Materials Transactions, JIM, 1994, 35, 51-57.	0.9	27
88	Microstructure and mechanical properties of Nb/Nb5Si3 in situ composites in Nb–Mo–Si and Nb–W–Si systems. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 386, 375-383.	5.6	27
89	The temperature and orientation dependence of tensile deformation and fracture in NiAl single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1992, 149, 183-193.	5.6	26
90	Anomalous elongation behavior of stoichiometric NiAl single crystals at intermediate temperatures. Acta Metallurgica Et Materialia, 1993, 41, 1009-1020.	1.8	26

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91	Effects of Al-Ti-B-RE grain refiner on microstructure and mechanical properties of Al-7.0Si-0.55Mg alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 2244-2250.	4.2	26
92	Environmental embrittlement and grain boundary segregation of boron and carbon in Ni3(Si, Ti) alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 192-193, 407-412.	5.6	25
93	Synthesis and high temperature oxidation of Mo-Si-B-O pseudo in situ composites. Science and Technology of Advanced Materials, 2002, 3, 181-192.	6.1	25
94	Effect of Low Temperature Aging on Superelastic Behavior in Biocompatible β TiNbSn Alloy. Materials Transactions, 2007, 48, 3007-3013.	1.2	25
95	Anisotropy of Young's modulus and tensile properties in cold rolled α′ martensite Ti–V–Sn alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 486, 503-510.	5.6	25
96	Effect of hot extrusion and subsequent T6 treatment on the microstructure evolution and tensile properties of an Al-6Si-2Cu-0.5Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 710, 102-110.	5.6	25
97	High temperature mechanical properties of Cr ₂ Nb-based intermetallics. Journal of Materials Research, 1993, 8, 3069-3077.	2.6	24
98	Phase Equilibria in Nb–Mo-Rich Zone of the Nb–Si–Mo Ternary System. Materials Transactions, JIM, 2000, 41, 1329-1336.	0.9	24
99	Microstructures and fracture toughness of directionally solidified Mo-ZrC eutectic composites. Science and Technology of Advanced Materials, 2002, 3, 137-143.	6.1	24
100	Strength and fracture of single-crystalline Ni3(Al,Ti) and Ni3(Al,Ta) intermetallic compounds at 290 K. Acta Metallurgica, 1988, 36, 2615-2626.	2.1	23
101	A new fabrication process of TiNi shape memory wire. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1993, 161, 91-96.	5.6	23
102	Environmental Embrittlement of Ni ₃ (Si, Ti) Single Crystals. Materials Transactions, JIM, 1993, 34, 775-785.	0.9	23
103	High-temperature deformation of Nb3Al alloys. Intermetallics, 1994, 2, 155-165.	3.9	23
104	High temperature strength and room temperature fracture toughness of Nb–Mo–W refractory alloys with and without carbide dispersoids. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 346, 65-74.	5.6	23
105	Apatite Formation and Biocompatibility of a Low Young's Modulus Ti-Nb-Sn Alloy Treated with Anodic Oxidation and Hot Water. PLoS ONE, 2016, 11, e0150081.	2.5	23
106	Improved Osseointegration of a TiNbSn Alloy with a Low Young's Modulus Treated with Anodic Oxidation. Scientific Reports, 2019, 9, 13985.	3.3	23
107	On lattice defects and strength anomaly of B2-type FeAl. Intermetallics, 1996, 4, S159-S169.	3.9	22
108	Ductile-phase toughening and fatigue crack growth in Nb3Al base alloys. Scripta Materialia, 1996, 34, 999-1003.	5.2	22

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109	Suppression of environmental embrittlement of Ni3(Si,Ti) alloys by shot peening. Scripta Materialia, 1996, 34, 1131-1138.	5.2	22
110	Deformation behavior of Mo5Si3 single crystal at high temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 329-331, 228-234.	5.6	22
111	Low Young's modulus of cold groove-rolled β Ti–Nb–Sn alloys for orthopedic applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140645.	5.6	22
112	{111} cracking of Ni3Al. Scripta Metallurgica, 1987, 21, 277-281.	1.2	21
113	Effect of Grain Size on Strength, Ductility and Fracture in Recrystallized Ni ₃ Al Doped with Boron. Transactions of the Japan Institute of Metals, 1988, 29, 274-283.	0.5	21
114	The boron effect on the superplastic deformation of Ni3(Si,Ti) alloys. Scripta Metallurgica Et Materialia, 1991, 25, 889-894.	1.0	21
115	Effects of Boron and Carbon Additions on Environmental Embrittlement of a Ni ₃ (Si, Ti) Alloy at Ambient Temperature. Materials Transactions, JIM, 1995, 36, 30-35.	0.9	21
116	Microstructure and high-temperature deformation of the C15 NbCr ₂ -based Laves intermetallics in Nb–Cr–V alloy system. Journal of Materials Research, 1995, 10, 2463-2470.	2.6	21
117	Deformation twinning systems of D019 structured Ti-34mol% Al. Scripta Metallurgica Et Materialia, 1995, 33, 509-514.	1.0	21
118	Effect of microstructure on hydrogen pulverization of two phase alloys. Intermetallics, 1998, 6, 61-69.	3.9	21
119	Synthesis of Nb/Nb ₅ Si ₃ <i>in-situ</i> Composites by Mechanical Milling and Reactive Spark Plasma Sintering. Materials Transactions, JIM, 2000, 41, 719-726.	0.9	21
120	Tensile property and fracture behavior of hot-rolled CoTi intermetallic compound. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 302, 215-221.	5.6	21
121	Laminates based on an iron aluminide intermetallic alloy and a CrMo steel. Intermetallics, 2005, 13, 717-726.	3.9	21
122	A new concept of hip joint stem and its fabrication using metastable TiNbSn alloy. Journal of Alloys and Compounds, 2012, 536, S582-S585.	5.5	21
123	A model for strength anomaly in IVa-VIII B2 ordered intermetallics. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1995, 71, 347-358.	0.6	20
124	Effect of environment on tensile ductility and fracture toughness of iron aluminides. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1997, 222, 133-139.	5.6	20
125	Microstructure control and compressive strength of 10mol% Ti-bearing Nb3Al/Nbss in-situ composites. Intermetallics, 1999, 7, 807-819.	3.9	20
126	Microstructure and properties of iron aluminum alloy/CrMo steel composite prepared by clad rolling. Journal of Alloys and Compounds, 2004, 379, 272-279.	5.5	20

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127	Corrosion behavior of iron–aluminum alloys and its composite steel in sulfuric acid. Corrosion Science, 2006, 48, 829-839.	6.6	20
128	In-Situ Transmission Electron Microscopy Observation on the Phase Transformation of Ti-Nb-Sn Shape Memory Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2008, 39, 2820-2829.	2.2	20
129	Effect of cooling rate on morphology of primary particles in Al-Sc-Zr master alloy. Transactions of Nonferrous Metals Society of China, 2014, 24, 2420-2426.	4.2	20
130	Formation mechanisms of SISF-bounding dislocations in cold-rolled Ni ₃ Al. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1994, 69, 751-765.	0.6	19
131	Mechanical Properties of Nb-18Si-5Mo-5Hf-2C <i>In-Situ</i> Composite Prepared by Arc-Casting Method. Materials Transactions, 2002, 43, 2201-2204.	1.2	19
132	Nanoporous Surfaces of FeAl Formed by Vacancy Clustering. Materials Transactions, 2002, 43, 2897-2902.	1.2	19
133	XPS Study of Corrosion Behavior of Ti-18Nb-4Sn Shape Memory Alloy in a 0.05 mass% HCl Solution. Materials Transactions, 2003, 44, 1405-1411.	1.2	19
134	Photo-induced characteristics of a Ti–Nb–Sn biometallic alloy with low Young's modulus. Thin Solid Films, 2010, 519, 276-283.	1.8	19
135	The influence of chromium addition on the environmental embrittlement of Ni3(Si,Ti) alloys at ambient temperatures. Scripta Metallurgica Et Materialia, 1995, 32, 1025-1029.	1.0	18
136	Dislocation stability and deformation mechanisms of iron aluminides and silicide. Acta Materialia, 1999, 47, 3579-3588.	7.9	18
137	Effect of Cr Addition on Microstructure and Mechanical Properties in Nb-Si-Mo Base Multiphase Alloys. Materials Transactions, 2002, 43, 3254-3261.	1.2	18
138	Orientation Dependence of Yield Stress and Operative Slip Systems of β-CuZn Single Crystals at Low Temperatures. Physica Status Solidi A, 1977, 40, 589-598.	1.7	17
139	Deformation and Fracture of Metastable Beta Titanium Alloys (Ti–15Mo–5Zr and) Tj ETQ 23, 85-94.	q1 1 0.784 0.5	4314 rgBT ¦⊖ 17
140	Flow behavior and microstructure of Co3Ti intermetallic alloy during superplastic deformation. Acta Materialia, 1998, 46, 3593-3604.	7.9	17
141	Microstructure and Oxidation Behavior of Low Pressure Plasma Sprayed Iron Aluminides ISIJ International, 2001, 41, 1010-1017.	1.4	17
142	Formation and texture of Bi-2223 phase during sintering in high magnetic fields. Physica C: Superconductivity and Its Applications, 2003, 392-396, 453-457.	1.2	17
143	Deformation of Fe ₃ Al _{0.8} Si _{0.2} with DO ₃ Structure. Transactions of the Japan Institute of Metals, 1981, 22, 873-881.	0.5	16
144	Correlation between Ductility and Ordering Energy of Ni ₃ Al. Materials Transactions, JIM, 1990, 31, 824-827.	0.9	16

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145	The influence of constituent elements and atomic ordering on hydrogen embrittlement of Ni3Fe polycrystals. Intermetallics, 1994, 2, 225-232.	3.9	16
146	Dynamic Evolution of Microstructures in Superplastic Ni ₃ Al. Materials Transactions, JIM, 1995, 36, 1140-1148.	0.9	16
147	Slip band propagation and slip vector transition in B2 FeAl single crystals. Acta Materialia, 1998, 46, 5769-5776.	7.9	16
148	X-ray photoelectron spectroscopic study of ordered stoichiometric FeAl fractured in situ. Journal of Alloys and Compounds, 2006, 413, 239-243.	5.5	16
149	Fabrication of iron aluminum alloy/steel laminate by clad rolling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 1665-1673.	2.2	16
150	Effects of intramedullary nails composed of a new βâ€ŧype Tiâ€Nbâ€Sn alloy with low Young's modulus on fracture healing in mouse tibiae. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 2841-2848.	3.4	16
151	Optimizing strength and ductility of Al–7Si–0.4â€ [–] Mg foundry alloy: Role of Cu and Sc addition. Journal of Alloys and Compounds, 2019, 810, 151944.	5.5	16
152	Bioactive TiNbSn alloy prepared by anodization in sulfuric acid electrolytes. Materials Science and Engineering C, 2019, 98, 753-763.	7.3	16
153	Orientation dependence of deformation and fracture behavior in Ni3(Al, Ti) single crystals at 973 K. Acta Metallurgica, 1988, 36, 2967-2978.	2.1	15
154	Microstructures and Mechanical Properties of Nb ₃ Al Produced from Nb–Al Alloy Powder. Materials Transactions, JIM, 1993, 34, 325-333.	0.9	15
155	Absorption and desorption of hydrogen in Fe-40Al intermetallic. Scripta Metallurgica Et Materialia, 1995, 32, 1719-1724.	1.0	15
156	Mechanical Properties of Mo–Nb–TiC <i>In-situ</i> Composites Synthesized by Hot-Pressing. Materials Transactions, JIM, 2000, 41, 1599-1604.	0.9	15
157	Effect of W Addition on Compressive Strength of Nb–10Mo–10Ti–18Si-Base <1>1n-Situ 1 Composites. Materials Transactions, JIM, 2000, 41, 1125-1128.	0.9	15
158	Hydrogenation-induced fragmentation in Ta–Ni alloy. Journal of Alloys and Compounds, 2003, 359, 236-243.	5.5	15
159	Quenched-in vacancies in a β Ti–Nb–Sn alloy studied by positron lifetime spectroscopy. Scripta Materialia, 2006, 54, 1751-1753.	5.2	15
160	Deformability of Sendust Polycrystals. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1981, 45, 1293-1299.	0.4	14
161	Phase Compatibility and Superconductivity of Y-Ba-Cu-O Compounds. Japanese Journal of Applied Physics, 1988, 27, L1221-L1224.	1.5	14
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