

Shuji Hanada

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Antibacterial Activity of an Anodized TiNbSn Alloy Prepared in Sodium Tartrate Electrolyte. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 883335.	4.1	8
2	$\hat{\Gamma}^2$ -type TiNbSn Alloy Plates With Low Young Modulus Accelerates Osteosynthesis in Rabbit Tibiae. <i>Clinical Orthopaedics and Related Research</i> , 2022, 480, 1817-1832.	1.5	9
3	Low Young's modulus of cold groove-rolled $\hat{\Gamma}^2$ Ti-Nb-Sn alloys for orthopedic applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140645.	5.6	22
4	Research and Development of $\hat{\Gamma}^2$ Ti Alloy Stems for Artificial Hip Joint. <i>Materia Japan</i> , 2021, 60, 697-705.	0.1	0
5	Mid-term results of a new femoral prosthesis using Ti-Nb-Sn alloy with low Young's modulus. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 987.	1.9	14
6	Effects of elastic intramedullary nails composed of low Young's modulus Ti-Nb-Sn alloy on healing of tibial osteotomies in rabbits. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019, 107, 700-707.	3.4	12
7	Optimizing strength and ductility of Al-7Si-0.4Mg foundry alloy: Role of Cu and Sc addition. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151944.	5.5	16
8	Improved Osseointegration of a TiNbSn Alloy with a Low Young's Modulus Treated with Anodic Oxidation. <i>Scientific Reports</i> , 2019, 9, 13985.	3.3	23
9	Bioactive TiNbSn alloy prepared by anodization in sulfuric acid electrolytes. <i>Materials Science and Engineering C</i> , 2019, 98, 753-763.	7.3	16
10	Effects of intramedullary nails composed of a new $\hat{\Gamma}^2$ -type Ti-Nb-Sn alloy with low Young's modulus on fracture healing in mouse tibiae. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 2841-2848.	3.4	16
11	Effect of hot extrusion and subsequent T6 treatment on the microstructure evolution and tensile properties of an Al-6Si-2Cu-0.5Mg alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 710, 102-110.	5.6	25
12	Effect of Sc and Sr on the Eutectic Si Morphology and Tensile Properties of Al-Si-Mg Alloy. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 1605-1613.	2.5	34
13	Improving stress shielding following total hip arthroplasty by using a femoral stem made of $\hat{\Gamma}^2$ type Ti-33.6Nb-4Sn with a Young's modulus gradation. <i>Journal of Biomechanics</i> , 2017, 63, 135-143.	2.1	46
14	Study of bioactivity on a TiNbSn alloy surface. <i>Thin Solid Films</i> , 2017, 639, 22-28.	1.8	12
15	Apatite Formation and Biocompatibility of a Low Young's Modulus Ti-Nb-Sn Alloy Treated with Anodic Oxidation and Hot Water. <i>PLoS ONE</i> , 2016, 11, e0150081.	2.5	23
16	The effect of scandium addition on microstructure and mechanical properties of Al-Si-Mg alloy: A multi-refinement modifier. <i>Materials Characterization</i> , 2015, 110, 160-169.	4.4	110
17	Effects of Cu content and Cu/Mg ratio on the microstructure and mechanical properties of Al-Si-Cu-Mg alloys. <i>Journal of Alloys and Compounds</i> , 2015, 649, 291-296.	5.5	101
18	Microstructure and formation mechanism of grain-refining particles in Al-Ti-C-RE grain refiners. <i>Journal of Rare Earths</i> , 2015, 33, 553-560.	4.8	30

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19	The synergic effects of Sc and Zr on the microstructure and mechanical properties of Al-Si-Mg alloy. <i>Materials and Design</i> , 2015, 88, 485-492.	7.0	90
20	Microstructure and Properties of Cross-Roll Rolled and Heat Treated Metastable TiNbSn Alloy. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 7981-7984.	0.9	0
21	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. <i>Medical Engineering and Physics</i> , 2014, 36, 1665-1671.	1.7	35
22	Fabrication of a high-performance hip prosthetic stem using β Ti-33.6Nb-4Sn. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 30, 140-149.	3.1	41
23	Effect of cooling rate on morphology of primary particles in Al-Sc-Zr master alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2420-2426.	4.2	20
24	Effects of Al-Ti-B-RE grain refiner on microstructure and mechanical properties of Al-7.0Si-0.55Mg alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 2244-2250.	4.2	26
25	Effect of swaging on Young's modulus of β Ti-33.6Nb-4Sn alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 32, 310-320.	3.1	30
26	High strength aluminum cast alloy: A Sc modification of a standard Al-Si-Mg cast alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 604, 122-126.	5.6	39
27	Mechanical properties and microstructures of β Ti-25Nb-11Sn ternary alloy for biomedical applications. <i>Materials Science and Engineering C</i> , 2013, 33, 1629-1635.	7.3	58
28	Effect of stress-induced β martensite on Young's modulus of β Ti-33.6Nb-4Sn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 588, 403-410.	5.6	74
29	A new concept of hip joint stem and its fabrication using metastable TiNbSn alloy. <i>Journal of Alloys and Compounds</i> , 2012, 536, S582-S585.	5.5	21
30	Photo-induced properties of anodic oxide films on Ti6Al4V. <i>Thin Solid Films</i> , 2012, 520, 4956-4964.	1.8	30
31	The bone tissue compatibility of a new Ti-Nb-Sn alloy with a low Young's modulus. <i>Acta Biomaterialia</i> , 2011, 7, 2320-2326.	8.3	195
32	Development of Orthodontic Devices Made by Ni-free Ti Alloys. <i>Materia Japan</i> , 2010, 49, 119-121.	0.1	0
33	Photo-induced characteristics of a Ti-Nb-Sn biometallic alloy with low Young's modulus. <i>Thin Solid Films</i> , 2010, 519, 276-283.	1.8	19
34	Influence of vacuum annealing conditions on the surface oxidation and vacancy condensation in the surface of an FeAl single crystal. <i>Intermetallics</i> , 2010, 18, 412-416.	3.9	6
35	Mechanical Properties-Graded Ti Alloy Implants for Orthopedic Applications. <i>Materials Science Forum</i> , 2009, 631-632, 205-210.	0.3	5
36	Fabrication of a High Performance Ti Alloy Implant for an Artificial Hip Joint. <i>Materials Science Forum</i> , 2009, 620-622, 591-594.	0.3	8

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37	Crystallographic Orientation and Mechanical Properties of α' ; Martensite Ti-V Alloy Systems Produced by Cross Rolling. Journal of the Japan Society for Technology of Plasticity, 2009, 50, 249-255.	0.3	1
38	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
39	Anisotropy of Young's modulus and tensile properties in cold rolled β martensite Ti-V-Sn alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 486, 503-510.	5.6	25
40	â€œ™,ç””ãfã,ãfã³ãéã’ã@ææ-™%o¹æ§. Materia Japan, 2008, 47, 242-248.	0.1	2
41	Fracture Behaviors of Niobium Alloys by Hydrogenation and its Application for Fine Powder Fabrication. Materials Science Forum, 2007, 539-543, 2719-2724.	0.3	0
42	Mechanical Properties of Porous Titanium Compacts Reinforced by UHMWPE. Materials Science Forum, 2007, 539-543, 1033-1037.	0.3	7
43	Corrosion Behavior of Pre-Treated Fe-Al Alloys in Aqueous Acid Solutions. Solid State Phenomena, 2007, 127, 233-238.	0.3	1
44	Osteoconductivity of Porous Titanium Having Young's Modulus Similar to Bone and Surface Modification by OCP. Key Engineering Materials, 2007, 330-332, 951-954.	0.4	2
45	Oxidation Behavior of Mo-Si-B In Situ Composites. Solid State Phenomena, 2007, 127, 215-220.	0.3	10
46	Effect of Low Temperature Aging on Superelastic Behavior in Biocompatible β ; TiNbSn Alloy. Materials Transactions, 2007, 48, 3007-3013.	1.2	25
47	Synthesis of Mo-Si-B in situ composites by mechanical alloying. Journal of Alloys and Compounds, 2007, 434-435, 420-423.	5.5	39
48	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
49	β 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
50	Microstructural Observation of Ordered β -Ta ₂ H in Hydrogenated Tantalum. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 956-963.	2.2	1
51	Corrosion behavior of iron-aluminum alloys and its composite steel in sulfuric acid. Corrosion Science, 2006, 48, 829-839.	6.6	20
52	X-ray photoelectron spectroscopic study of ordered stoichiometric FeAl fractured in situ. Journal of Alloys and Compounds, 2006, 413, 239-243.	5.5	16
53	Fabrication and Mechanical Properties of Porous Co-Cr-Mo Alloy Compacts without Ni Addition. Materials Transactions, 2006, 47, 283-286.	1.2	11
54	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

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55	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
56	Quenched-in vacancies in a $\text{Ti}_{50}\text{Nb}_{50}\text{Sn}$ alloy studied by positron lifetime spectroscopy. Scripta Materialia, 2006, 54, 1751-1753.	5.2	15
57	Beta TiNbSn Alloys with Low Young's Modulus and High Strength. Materials Transactions, 2005, 46, 1070-1078.	1.2	285
58	Effect of Pressure Application by HIP on Microstructure Evolution during Diffusion Bonding. Materials Transactions, 2005, 46, 1651-1655.	1.2	9
59	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
60	Microstructure and mechanical properties of $\text{Al}_2\text{O}_3/\text{Y}_3\text{Al}_5\text{O}_{12}/\text{ZrO}_2$ ternary eutectic materials. Journal of the European Ceramic Society, 2005, 25, 1411-1417.	5.7	41
61	Mechanical properties of porous $\text{Ti}_{15}\text{Mo}_{55}\text{Zr}_{30}\text{Al}$ compacts prepared by powder sintering. Materials Science and Engineering C, 2005, 25, 330-335.	7.3	58
62	Vacancy clustering and relaxation behavior in rapidly solidified B2 FeAl ribbons. Acta Materialia, 2005, 53, 3751-3764.	7.9	30
63	Development of Mo(Si,Al) ₂ -base oxidation-resistant coating on Nb-base structural materials. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 617-626.	2.2	8
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	Surface mesostructure change of B2-type FeAl single crystals by condensation of supersaturated thermal vacancies. Philosophical Magazine, 2005, 85, 331-344.	1.6	12
66	Effect of Nitrogen on Mechanical Properties of Porous Titanium Compacts Prepared by Powder Sintering. Materials Science Forum, 2005, 475-479, 2313-2316.	0.3	2
67	Tensile and Fracture Behavior of $\text{Nb}_{55}\text{Nb}_{5}\text{Si}_{3}$ In Situ Composites Prepared by Arc Melting. Key Engineering Materials, 2005, 297-300, 507-514.	0.4	0
68	Fabrications and Corrosion Resistance of Iron-Aluminum Alloy/High Carbon Steel Composites Prepared by Clad Rolling. Materials Science Forum, 2005, 502, 379-384.	0.3	3
69	Substructure Development in Rapidly Solidified B2-Type TiCo Ribbons. Materials Science Forum, 2005, 475-479, 849-852.	0.3	6
70	High-Temperature Strength of Directionally Solidified $\text{Al}_{2}\text{O}_{3}/\text{YAG}/\text{ZrO}_{2}$ Eutectic Composite. Materials Science Forum, 2005, 475-479, 1295-1300.	0.3	8
71	Laminates based on an iron aluminide intermetallic alloy and a CrMo steel. Intermetallics, 2005, 13, 717-726.	3.9	21
72	Thermal Analysis of Relaxation Processes of Supersaturated Vacancies in B2-Type Aluminides. Materials Research Society Symposia Proceedings, 2004, 842, 245.	0.1	0

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73	Effect of Heat Treatments on Microstructure of Rapidly Solidified TiCo Ribbons. Materials Research Society Symposia Proceedings, 2004, 842, 67.	0.1	0
74	Hydrogen pulverization of refractory metals, alloys and intermetallics. Metals and Materials International, 2004, 10, 45-53.	3.4	4
75	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
76	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
77	Effect of structural changes on degradation of hydrogen absorbing capacity in cyclically hydrogenated TiMn2 based alloys. Journal of Alloys and Compounds, 2004, 376, 232-240.	5.5	11
78	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
79	Composition dependence of hydrogen absorbing properties in melt quenched and annealed TiMn2 based alloys. Journal of Alloys and Compounds, 2004, 379, 290-297.	5.5	14
80	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
81	Beta Ti Alloys with Low Young's Modulus. Materials Transactions, 2004, 45, 2776-2779.	1.2	265
82	Surface Oxidation of Fe-48 mol%Al Single Crystal under a High Vacuum. Materials Transactions, 2004, 45, 365-368.	1.2	2
83	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
84	Microstructure and High-Temperature Strength of Directionally Solidified Al ₂ O ₃ /YAG/ZrO ₂ Eutectic Composite. Materials Transactions, 2004, 45, 303-306.	1.2	7
85	Effect of B addition on the microstructures and mechanical properties of Nb-16Si-10Mo-15W alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 384, 377-384.	5.6	8
86	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
87	Microstructure Evolution Mechanism in Iron Aluminides/CrMo Steel Composite Prepared by Solid State Bonding. ISIJ International, 2004, 44, 878-885.	1.4	6
88	Production of Tantalum Powder by Hydrogenation Process. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2004, 12, 124-130.	0.0	0
89	Multiple cracking of tantalum by hydrogenation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 685-690.	2.2	12
90	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

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91	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
92	Oxidation behavior of Mo(Si _{0.6} ,Al _{0.4}) ₂ /HfB ₂ composites as aluminum reservoir materials for protective Al ₂ O ₃ formation. Scripta Materialia, 2003, 49, 767-772.	5.2	7
93	Mechanical properties of porous titanium compacts prepared by powder sintering. Scripta Materialia, 2003, 49, 1197-1202.	5.2	496
94	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
95	Effect of carbon on microstructure and high-temperature strength of Nb-Mo-Ti-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
96	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
97	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
98	Effect of composition on hydrogen absorbing properties in binary TiMn ₂ based alloys. Journal of Alloys and Compounds, 2003, 352, 210-217.	5.5	34
99	Hydrogenation-induced fragmentation in Ta-Ni alloy. Journal of Alloys and Compounds, 2003, 359, 236-243.	5.5	15
100	Determination of density and vacancy concentration in rapidly solidified FeAl ribbons. Intermetallics, 2003, 11, 707-711.	3.9	28
101	Microstructure and oxidation resistance of a plasma sprayed Mo-Si-B multiphase alloy coating. Intermetallics, 2003, 11, 735-742.	3.9	54
102	Influences of Al content and secondary phase of Mo ₅ (Si,Al) ₃ on the oxidation resistance of Al-rich Mo(Si,Al) ₂ -base composites. Intermetallics, 2003, 11, 721-733.	3.9	39
103	Composition Dependence of Young's Modulus in Beta Titanium Binary Alloys. Materials Science Forum, 2003, 426-432, 3103-3108.	0.3	40
104	Effect of Excess Vacancies on Hydrogen Absorption-Desorption Characteristics in Rapidly Solidified B2 TiCo. Materials Science Forum, 2003, 426-432, 3727-3732.	0.3	2
105	Microstructure and High-Temperature Strength of Directionally Solidified Al ₂ O ₃ /YAG Eutectic Composite. Materials Transactions, 2003, 44, 1690-1693.	1.2	6
106	Microstructures and Mechanical Properties of Porosity-Graded Pure Titanium Compacts. Materials Transactions, 2003, 44, 657-660.	1.2	32
107	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
108	Nanostructure of Surface Formed by Vacancy Clustering in FeAl. Materials Research Society Symposia Proceedings, 2003, 775, 9491.	0.1	0

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109	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
110	Effect of Heat Treatment and Sn Content on Superelasticity in Biocompatible TiNbSn Alloys. Materials Transactions, 2002, 43, 2978-2983.	1.2	256
111	Mo-Si-Ba ^Y è ^r ...é«~æ, ©è€ç†±è†âˆ•ææ—™ã@ææ—™è”è”ãé«~æ, ©ç%°¹æ€\$. Materia Japan, 2002, 41, 146-149.	0.1	2
112	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
113	Microstructures and Mechanical Properties of Porous Titanium Compacts Prepared by Powder Sintering. Materials Transactions, 2002, 43, 443-446.	1.2	100
114	Nanoporous Surfaces of FeAl Formed by Vacancy Clustering. Materials Transactions, 2002, 43, 2897-2902.	1.2	19
115	Effect of W Alloying and NbC Dispersion on High Temperature Strength at 1773 K and Room Temperature Fracture Toughness in Nb₅Si₃/Nb <I>In-situ</I> Composites. Materials Transactions, 2002, 43, 1415-1418.	1.2	13
116	Nanoporous Behavior Induced by Excess Vacancy Clustering in Rapidly-Solidified B2 FeAl Ribbons. Materials Research Society Symposia Proceedings, 2002, 753, 1.	0.1	0
117	High temperature strength, fracture toughness and oxidation resistance of Nbâ€“Siâ€“Alâ€“Ti multiphase alloys. Science and Technology of Advanced Materials, 2002, 3, 145-156.	6.1	79
118	Effect of carbon on the tensile properties of Nbâ€“Moâ€“W alloys at 1773 K. Journal of Alloys and Compounds, 2002, 333, 170-178.	5.5	31
119	Oxidation behavior of Mo5SiB2-based alloy at elevated temperatures. Intermetallics, 2002, 10, 407-414.	3.9	105
120	Microstructure and high temperature strength at 1773 K of Nbss/Nb5Si3 composites alloyed with molybdenum. Intermetallics, 2002, 10, 625-634.	3.9	103
121	Microstructures and fracture toughness of directionally solidified Mo-ZrC eutectic composites. Science and Technology of Advanced Materials, 2002, 3, 137-143.	6.1	24
122	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
123	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
124	Microstructure and room temperature deformation of Nbss/Nb5Si3 in situ composites alloyed with Mo. Intermetallics, 2001, 9, 521-527.	3.9	67
125	Microstructure and room temperature fracture toughness of Nbss/Nb5Si3 in situ composites. Intermetallics, 2001, 9, 827-834.	3.9	133
126	Microstructure and Oxidation Behavior of Low Pressure Plasma Sprayed Iron Aluminides.. ISIJ International, 2001, 41, 1010-1017.	1.4	17

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127	Tensile property and fracture behavior of hot-rolled CoTi intermetallic compound. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 302, 215-221.	5.6	21
128	Phase Equilibria in Nb–Mo-Rich Zone of the Nb–Si–Mo Ternary System. <i>Materials Transactions, JIM</i> , 2000, 41, 1329-1336.	0.9	24
129	Influence of Boron Addition on High Temperature Mechanical Properties of Nb₃Ir Intermetallic Compounds. <i>Materials Transactions, JIM</i> , 2000, 41, 1605-1611.	0.9	5
130	Synthesis of Nb/Nb₅Si₃ & In-situ Composites by Mechanical Milling and Reactive Spark Plasma Sintering. <i>Materials Transactions, JIM</i> , 2000, 41, 719-726.	0.9	21
131	Microstructure and Creep of Mo–ZrC & In-situ Composite. <i>Materials Transactions, JIM</i> , 2000, 41, 1164-1167.	0.9	14
132	Mechanical Properties of Mo–Nb–TiC & In-situ Composites Synthesized by Hot-Pressing. <i>Materials Transactions, JIM</i> , 2000, 41, 1599-1604.	0.9	15
133	Effect of W Addition on Compressive Strength of Nb–10Mo–10Ti–18Si-Base & In-Situ Composites. <i>Materials Transactions, JIM</i> , 2000, 41, 1125-1128.	0.9	15
134	Microstructures and Mechanical Properties of Nb/Nb-Silicide & In-situ Composites Synthesized by Reactive Hot Pressing of Ball Milled Powders. <i>Materials Transactions, JIM</i> , 2000, 41, 444-451.	0.9	12
135	Microstructures and Mechanical Properties of Nb-Mo-Ti-Si-C & In-situ Composites Prepared by Arc Melting and Directional Solidification. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2000, 64, 331-334.	0.4	10
136	Hydrogen Pulverization in Intermetallic-based Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2000, 646, 312.	0.1	0
137	High-Temperature Compression Strength of Directionally Solidified Nb-Mo-W-Ti-Si In-Situ Composites. <i>Materials Research Society Symposia Proceedings</i> , 2000, 646, 407.	0.1	6
138	Structural evolution during mechanical alloying and annealing of a Nb-25at%Al alloy. <i>Journal of Materials Science</i> , 2000, 35, 235-239.	3.7	14
139	Fracture toughness improvement of TiC by Nb and Mo precipitates. <i>Journal of Materials Science Letters</i> , 2000, 19, 1879-1881.	0.5	13
140	High-temperature Strength and Room-temperature Fracture Toughness of Mo-ZrC & In-situ Composites with Hyper-eutectic Structure. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2000, 64, 1082-1088.	0.4	12
141	Solid-Solution Strengthening and High-Temperature Compressive Ductility of Nb-Mo-W Ternary Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2000, 64, 566-570.	0.4	11
142	Solid-Solution Strengthening and High-Temperature Compressive Strength of Nb-X Alloys (X=Ta, V, Mo) <small>Tj ETQq0 0,0,rqBT /Overlock 10</small>	0.4	28
143	Potential of IrAl base alloys as ultrahigh-temperature smart coatings. <i>Intermetallics</i> , 2000, 8, 1081-1090.	3.9	46
144	The effect of Nb addition on environmental embrittlement of a Ni ₃ (Si,Ti) alloy. <i>Intermetallics</i> , 2000, 8, 47-52.	3.9	10

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145	Microstructures and Mechanical Properties of Directionally Solidified Nb-Mo-22Ti-18Si In-Situ Composites. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2000, 64, 474-480.	0.4	14
146	Dislocation stability and deformation mechanisms of iron aluminides and silicide. Acta Materialia, 1999, 47, 3579-3588.	7.9	18
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