

Shuji Hanada

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

240
papers

7,100
citations

43
h-index

69
g-index

244
ext. papers

7,574
ext. citations

3.4
avg, IF

5.61
L-index

#	Paper	IF	Citations
240	Antibacterial Activity of an Anodized TiNbSn Alloy Prepared in Sodium Tartrate Electrolyte.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 883335	5.8	2
239	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	2.8	5
238	Research and Development of Ti Alloy Stems for Artificial Hip Joint. <i>Materia Japan</i> , 2021 , 60, 697-705	0.1	
237	Low Young's modulus of cold groove-rolled TiNbSn alloys for orthopedic applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 802, 140645	5.3	9
236	Improved Osseointegration of a TiNbSn Alloy with a Low Young's Modulus Treated with Anodic Oxidation. <i>Scientific Reports</i> , 2019 , 9, 13985	4.9	12
235	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	3.5	6
234	Optimizing strength and ductility of Al ₇ Si _{0.4} Mg foundry alloy: Role of Cu and Sc addition. <i>Journal of Alloys and Compounds</i> , 2019 , 810, 151944	5.7	11
233	Bioactive TiNbSn alloy prepared by anodization in sulfuric acid electrolytes. <i>Materials Science and Engineering C</i> , 2019 , 98, 753-763	8.3	12
232	Effects of intramedullary nails composed of a new β-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	3.5	11
231	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	5.3	18
230	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	1.6	25
229	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. <i>Journal of Biomechanics</i> , 2017 , 63, 135-143	2.9	26
228	Study of bioactivity on a TiNbSn alloy surface. <i>Thin Solid Films</i> , 2017 , 639, 22-28	2.2	9
227	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	3.7	14
226	Effects of Cu content and Cu/Mg ratio on the microstructure and mechanical properties of AlSiCuMg alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 291-296	5.7	64
225	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	3.7	19
224	The synergic effects of Sc and Zr on the microstructure and mechanical properties of AlSiMg alloy. <i>Materials and Design</i> , 2015 , 88, 485-492	8.1	76

223	The effect of scandium addition on microstructure and mechanical properties of AlSiMg alloy: A multi-refinement modifier. <i>Materials Characterization</i> , 2015 , 110, 160-169	3.9	75
222	Fabrication of a high-performance hip prosthetic stem using Ti-33.6Nb-4Sn. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 30, 140-9	4.1	26
221	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	3.3	13
220	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	3.3	19
219	Effect of swaging on Young's modulus of Ti-33.6Nb-4Sn alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 32, 310-320	4.1	24
218	High strength aluminum cast alloy: A Sc modification of a standard AlSiMg cast alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 604, 122-126	5.3	28
217	In-vitro biomechanical evaluation of stress shielding and initial stability of a low-modulus hip stem made of Ti-33.6Nb-4Sn alloy. <i>Medical Engineering and Physics</i> , 2014 , 36, 1665-71	2.4	24
216	Mechanical properties and microstructures of Ti-25Nb-11Sn ternary alloy for biomedical applications. <i>Materials Science and Engineering C</i> , 2013 , 33, 1629-35	8.3	52
215	Effect of stress-induced β martensite on Young's modulus of Ti-33.6Nb-4Sn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 588, 403-410	5.3	56
214	Photo-induced properties of anodic oxide films on Ti6Al4V. <i>Thin Solid Films</i> , 2012 , 520, 4956-4964	2.2	26
213	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	5.7	18
212	The bone tissue compatibility of a new Ti-Nb-Sn alloy with a low Young's modulus. <i>Acta Biomaterialia</i> , 2011 , 7, 2320-6	10.8	152
211	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	3.5	5
210	Development of Orthodontic Devices Made by Ni-free Ti Alloys. <i>Materia Japan</i> , 2010 , 49, 119-121	0.1	
209	Photo-induced characteristics of a TiNbSn biometallic alloy with low Young's modulus. <i>Thin Solid Films</i> , 2010 , 519, 276-283	2.2	19
208	Mechanical Properties-Graded Ti Alloy Implants for Orthopedic Applications. <i>Materials Science Forum</i> , 2009 , 631-632, 205-210	0.4	4
207	Fabrication of a High Performance Ti Alloy Implant for an Artificial Hip Joint. <i>Materials Science Forum</i> , 2009 , 620-622, 591-594	0.4	8
206	Crystallographic Orientation and Mechanical Properties of α' ; Martensite Ti-V Alloy Systems Produced by Cross Rolling. <i>Journal of the Japan Society for Technology of Plasticity</i> , 2009 , 50, 249-255	0.3	1

205	?????????????. <i>Materia Japan</i> , 2008 , 47, 242-248	0.1	2
204	In-Situ Transmission Electron Microscopy Observation on the Phase Transformation of Ti-Nb-Sn Shape Memory Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2008 , 39, 2820-2829	2.3	19
203	Anisotropy of Young's modulus and tensile properties in cold rolled β martensite Ti-Nb alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 486, 503-510	5.3	22
202	Fabrication and Corrosion Properties of Iron Aluminum Alloy/Steel Laminated Composite Prepared by Clad Rolling. <i>Materials Science Forum</i> , 2007 , 539-543, 866-871	0.4	2
201	β Martensite Ti-Nb alloys with low Young's modulus and high strength. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 448, 39-48	5.3	54
200	Microstructural Observation of Ordered Ta ₂ H in Hydrogenated Tantalum. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2007 , 38, 956-963	2.3	1
199	Fracture Behaviors of Niobium Alloys by Hydrogenation and its Application for Fine Powder Fabrication. <i>Materials Science Forum</i> , 2007 , 539-543, 2719-2724	0.4	
198	Mechanical Properties of Porous Titanium Compacts Reinforced by UHMWPE. <i>Materials Science Forum</i> , 2007 , 539-543, 1033-1037	0.4	6
197	Corrosion Behavior of Pre-Treated Fe-Al Alloys in Aqueous Acid Solutions. <i>Solid State Phenomena</i> , 2007 , 127, 233-238	0.4	1
196	Osteoconductivity of Porous Titanium Having Young's Modulus Similar to Bone and Surface Modification by OCP. <i>Key Engineering Materials</i> , 2007 , 330-332, 951-954	0.4	2
195	Oxidation Behavior of Mo-Si-B In Situ Composites. <i>Solid State Phenomena</i> , 2007 , 127, 215-220	0.4	9
194	Effect of Low Temperature Aging on Superelastic Behavior in Biocompatible β -TiNbSn Alloy. <i>Materials Transactions</i> , 2007 , 48, 3007-3013	1.3	23
193	Synthesis of Mo-Si-B in situ composites by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2007 , 434-435, 420-423	5.7	34
192	Microstructures and mechanical properties of metastable β -TiNbSn alloys cold rolled and heat treated. <i>Journal of Alloys and Compounds</i> , 2007 , 439, 146-155	5.7	140
191	Fabrication of iron aluminum alloy/steel laminate by clad rolling. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2006 , 37, 1665-1673	2.3	14
190	Composition dependence of young's modulus in Ti-V, Ti-Nb, and Ti-V-Sn alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2006 , 37, 3239-3249	2.3	59
189	Quenched-in vacancies in a β -TiNbSn alloy studied by positron lifetime spectroscopy. <i>Scripta Materialia</i> , 2006 , 54, 1751-1753	5.6	14
188	Corrosion behavior of iron-aluminum alloys and its composite steel in sulfuric acid. <i>Corrosion Science</i> , 2006 , 48, 829-839	6.8	18

187	X-ray photoelectron spectroscopic study of ordered stoichiometric FeAl fractured in situ. <i>Journal of Alloys and Compounds</i> , 2006 , 413, 239-243	5.7	16
186	Fabrication and Mechanical Properties of Porous Co–Cr–Mo Alloy Compacts without Ni Addition. <i>Materials Transactions</i> , 2006 , 47, 283-286	1.3	10
185	Laminates based on an iron aluminide intermetallic alloy and a CrMo steel. <i>Intermetallics</i> , 2005 , 13, 717-726	3.9	20
184	Beta TiNbSn Alloys with Low Young's Modulus and High Strength. <i>Materials Transactions</i> , 2005 , 46, 1070-1078	1.3	249
183	Effect of Pressure Application by HIP on Microstructure Evolution during Diffusion Bonding. <i>Materials Transactions</i> , 2005 , 46, 1651-1655	1.3	5
182	Fabrication of pure Al/MgTi alloy clad plate and its mechanical properties. <i>Journal of Materials Processing Technology</i> , 2005 , 169, 9-15	5.3	81
181	Microstructure and mechanical properties of Al ₂ O ₃ /Y ₃ Al ₅ O ₁₂ /ZrO ₂ ternary eutectic materials. <i>Journal of the European Ceramic Society</i> , 2005 , 25, 1411-1417	6	33
180	Mechanical properties of porous Ti-5Mo-8Zr-3Al compacts prepared by powder sintering. <i>Materials Science and Engineering C</i> , 2005 , 25, 330-335	8.3	49
179	Vacancy clustering and relaxation behavior in rapidly solidified B2 FeAl ribbons. <i>Acta Materialia</i> , 2005 , 53, 3751-3764	8.4	27
178	Development of Mo(Si,Al) ₂ -base oxidation-resistant coating on Nb-base structural materials. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2005 , 36, 617-626	2.3	6
177	Microstructures and bond strengths of plasma-sprayed hydroxyapatite coatings on porous titanium substrates. <i>Journal of Materials Science: Materials in Medicine</i> , 2005 , 16, 635-40	4.5	35
176	Surface mesostructure change of B2-type FeAl single crystals by condensation of supersaturated thermal vacancies. <i>Philosophical Magazine</i> , 2005 , 85, 331-344	1.6	12
175	Effect of Nitrogen on Mechanical Properties of Porous Titanium Compacts Prepared by Powder Sintering. <i>Materials Science Forum</i> , 2005 , 475-479, 2313-2316	0.4	1
174	Tensile and Fracture Behavior of NbSS/Nb ₅ Si ₃ In Situ Composites Prepared by Arc Melting. <i>Key Engineering Materials</i> , 2005 , 297-300, 507-514	0.4	
173	Fabrications and Corrosion Resistance of Iron-Aluminum Alloy/High Carbon Steel Composites Prepared by Clad Rolling. <i>Materials Science Forum</i> , 2005 , 502, 379-384	0.4	3
172	Substructure Development in Rapidly Solidified B2-Type TiCo Ribbons. <i>Materials Science Forum</i> , 2005 , 475-479, 849-852	0.4	6
171	High-Temperature Strength of Directionally Solidified Al ₂ O ₃ /YAG/ZrO ₂ Eutectic Composite. <i>Materials Science Forum</i> , 2005 , 475-479, 1295-1300	0.4	7
170	Thermal Analysis of Relaxation Processes of Supersaturated Vacancies in B2-Type Aluminides. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 842, 245		

169	Effect of Heat Treatments on Microstructure of Rapidly Solidified TiCo Ribbons. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 842, 67		
168	Hydrogen pulverization of refractory metals, alloys and intermetallics. <i>Metals and Materials International</i> , 2004 , 10, 45-53	2.4	3
167	High-temperature strength and room-temperature toughness of Nb ₅ Si ₃ alloys prepared by arc-melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 364, 151-158	5.3	62
166	Mechanical properties and fracture behavior of an Nb ₅ Si ₃ /Nb ₅ Si ₃ in-situ composite modified by Mo and Hf alloying. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 372, 137-144	5.3	52
165	Effect of structural changes on degradation of hydrogen absorbing capacity in cyclically hydrogenated TiMn ₂ based alloys. <i>Journal of Alloys and Compounds</i> , 2004 , 376, 232-240	5.7	6
164	Microstructure and properties of iron aluminum alloy/CrMo steel composite prepared by clad rolling. <i>Journal of Alloys and Compounds</i> , 2004 , 379, 272-279	5.7	20
163	Composition dependence of hydrogen absorbing properties in melt quenched and annealed TiMn ₂ based alloys. <i>Journal of Alloys and Compounds</i> , 2004 , 379, 290-297	5.7	10
162	Effects of substitution of Al for Si on the lattice variations and thermal expansion of Mo(Si,Al) ₂ . <i>Intermetallics</i> , 2004 , 12, 33-41	3.5	29
161	Beta Ti Alloys with Low Young's Modulus. <i>Materials Transactions</i> , 2004 , 45, 2776-2779	1.3	220
160	Surface Oxidation of Fe-48 mol%Al Single Crystal under a High Vacuum. <i>Materials Transactions</i> , 2004 , 45, 365-368	1.3	2
159	Effect of Alloy Chemistry on the High Temperature Strengths and Room Temperature Fracture Toughness of Advanced Nb-Based Alloys. <i>Materials Transactions</i> , 2004 , 45, 493-501	1.3	36
158	Microstructure and High-Temperature Strength of Directionally Solidified Al ₂ O ₃ /YAG/ZrO ₂ Eutectic Composite. <i>Materials Transactions</i> , 2004 , 45, 303-306	1.3	7
157	Microstructure Evolution Mechanism in Iron Aluminides/CrMo Steel Composite Prepared by Solid State Bonding. <i>ISIJ International</i> , 2004 , 44, 878-885	1.7	6
156	Production of Tantalum Powder by Hydrogenation Process. <i>Hosokawa Powder Technology Foundation ANNUAL REPORT</i> , 2004 , 12, 124-130	0	
155	Effect of B addition on the microstructures and mechanical properties of Nb ₆ Si ₁₀ Mo ₅ W alloy		6
154	Microstructure and mechanical properties of Nb/Nb ₅ Si ₃ in situ composites in Nb ₅ Mo ₃ Si and Nb ₅ Si ₃ systems		25
153	Microstructure and High-Temperature Strength of Directionally Solidified Al ₂ O ₃ /YAG Eutectic Composite. <i>Materials Transactions</i> , 2003 , 44, 1690-1693	1.3	5
152	Microstructures and Mechanical Properties of Porosity-Graded Pure Titanium Compacts. <i>Materials Transactions</i> , 2003 , 44, 657-660	1.3	26

151	XPS Study of Corrosion Behavior of Ti-18Nb-4Sn Shape Memory Alloy in a 0.05 mass% HCl Solution. <i>Materials Transactions</i> , 2003 , 44, 1405-1411	1.3	17
150	Nanostructure of Surface Formed by Vacancy Clustering in FeAl. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 775, 9491		
149	Multiple cracking of tantalum by hydrogenation. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 685-690	2.3	10
148	Toughness and strength characteristics of Nb-W-Si ternary alloys prepared by Arc melting. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 2861-2871	2.3	40
147	Mechanical properties of As-cast and directionally solidified Nb-Mo-W-Ti-Si in-situ composites at high temperatures. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 85-94	2.3	62
146	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. <i>Scripta Materialia</i> , 2003 , 49, 767-772	5.6	7
145	Mechanical properties of porous titanium compacts prepared by powder sintering. <i>Scripta Materialia</i> , 2003 , 49, 1197-1202	5.6	440
144	Effect of alloy composition on microstructure and high temperature properties of Nb-Ti ternary alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 341, 282-288	5.3	32
143	Effect of carbon on microstructure and high-temperature strength of Nb-Mo-Ti-Si in situ composites prepared by arc-melting and directional solidification. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 343, 282-289	5.3	48
142	High temperature strength and room temperature fracture toughness of Nb-Mo-W refractory alloys with and without carbide dispersoids. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 346, 65-74	5.3	20
141	Formation and texture of Bi-2223 phase during sintering in high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 392-396, 453-457	1.3	16
140	Effect of composition on hydrogen absorbing properties in binary TiMn ₂ based alloys. <i>Journal of Alloys and Compounds</i> , 2003 , 352, 210-217	5.7	24
139	Hydrogenation-induced fragmentation in Ta-Ni alloy. <i>Journal of Alloys and Compounds</i> , 2003 , 359, 236-243	3.7	14
138	Determination of density and vacancy concentration in rapidly solidified FeAl ribbons. <i>Intermetallics</i> , 2003 , 11, 707-711	3.5	24
137	Microstructure and oxidation resistance of a plasma sprayed Mo-Si-B multiphase alloy coating. <i>Intermetallics</i> , 2003 , 11, 735-742	3.5	49
136	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. <i>Intermetallics</i> , 2003 , 11, 721-733	3.5	35
135	Composition Dependence of Young's Modulus in Beta Titanium Binary Alloys. <i>Materials Science Forum</i> , 2003 , 426-432, 3103-3108	0.4	29
134	Effect of Excess Vacancies on Hydrogen Absorption-Desorption Characteristics in Rapidly Solidified B2 TiCo. <i>Materials Science Forum</i> , 2003 , 426-432, 3727-3732	0.4	2

133	Microstructures and fracture toughness of directionally solidified Mo-ZrC eutectic composites. <i>Science and Technology of Advanced Materials</i> , 2002 , 3, 137-143	7.1	20
132	Synthesis and high temperature oxidation of Mo-Si-B-O pseudo in situ composites. <i>Science and Technology of Advanced Materials</i> , 2002 , 3, 181-192	7.1	25
131	Deformation behavior of Mo ₅ Si ₃ single crystal at high temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 228-234	5.3	21
130	Mechanical Properties of Nb-18Si-5Mo-5Hf-2C In-Situ Composite Prepared by Arc-Casting Method. <i>Materials Transactions</i> , 2002 , 43, 2201-2204	1.3	17
129	Effect of Heat Treatment and Sn Content on Superelasticity in Biocompatible TiNbSn Alloys. <i>Materials Transactions</i> , 2002 , 43, 2978-2983	1.3	233
128	Mo-Si-B?????????????????????. <i>Materia Japan</i> , 2002 , 41, 146-149	0.1	2
127	Effect of Cr Addition on Microstructure and Mechanical Properties in Nb-Si-Mo Base Multiphase Alloys. <i>Materials Transactions</i> , 2002 , 43, 3254-3261	1.3	16
126	Microstructures and Mechanical Properties of Porous Titanium Compacts Prepared by Powder Sintering. <i>Materials Transactions</i> , 2002 , 43, 443-446	1.3	87
125	Nanoporous Surfaces of FeAl Formed by Vacancy Clustering. <i>Materials Transactions</i> , 2002 , 43, 2897-2902	1.3	17
124	Effect of W Alloying and NbC Dispersion on High Temperature Strength at 1773 K and Room Temperature Fracture Toughness in Nb ₅ Si ₃ /Nb In-situ Composites. <i>Materials Transactions</i> , 2002 , 43, 1415-1418	1.3	13
123	Nanoporous Behavior Induced by Excess Vacancy Clustering in Rapidly-Solidified B2 FeAl Ribbons. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 753, 1		
122	High temperature strength, fracture toughness and oxidation resistance of Nb ₅ Si ₃ Al _{0.5} multiphase alloys. <i>Science and Technology of Advanced Materials</i> , 2002 , 3, 145-156	7.1	65
121	Effect of carbon on the tensile properties of Nb ₅ Mo ₃ W alloys at 1773 K. <i>Journal of Alloys and Compounds</i> , 2002 , 333, 170-178	5.7	28
120	Oxidation behavior of Mo ₅ SiB ₂ -based alloy at elevated temperatures. <i>Intermetallics</i> , 2002 , 10, 407-414	3.5	91
119	Microstructure and high temperature strength at 1773 K of Nb ₅ Si ₃ /Nb composites alloyed with molybdenum. <i>Intermetallics</i> , 2002 , 10, 625-634	3.5	84
118	Microstructure and Oxidation Behavior of Low Pressure Plasma Sprayed Iron Aluminides.. <i>ISIJ International</i> , 2001 , 41, 1010-1017	1.7	12
117	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	5.3	17
116	Microstructure and room temperature deformation of Nb ₅ Si ₃ /Nb in situ composites alloyed with Mo. <i>Intermetallics</i> , 2001 , 9, 521-527	3.5	58

115	Microstructure and room temperature fracture toughness of Nbss/Nb5Si3 in situ composites. <i>Intermetallics</i> , 2001 , 9, 827-834	3.5	115
114	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
113	Hydrogen Pulverization in Intermetallic-based Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 646, 312		
112	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		6
111	Structural evolution during mechanical alloying and annealing of a Nb-25at%Al alloy. <i>Journal of Materials Science</i> , 2000 , 35, 235-239	4.3	13
110	Fracture toughness improvement of TiC by Nb and Mo precipitates. <i>Journal of Materials Science Letters</i> , 2000 , 19, 1879-1881		11
109	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	10
108	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	7
107	Solid-Solution Strengthening and High-Temperature Compressive Strength of Nb-X Alloys (X=Ta, V, Mo and W). <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2000 , 64, 559-565	0.4	24
106	Potential of IrAl base alloys as ultrahigh-temperature smart coatings. <i>Intermetallics</i> , 2000 , 8, 1081-1090	3.5	43
105	The effect of Nb addition on environmental embrittlement of a Ni ₃ (Si,Ti) alloy. <i>Intermetallics</i> , 2000 , 8, 47-52	3.5	7
104	Phase Equilibria in Nb–Mo-Rich Zone of the Nb–Si–Mo Ternary System. <i>Materials Transactions, JIM</i> , 2000 , 41, 1329-1336		22
103	Influence of Boron Addition on High Temperature Mechanical Properties of Nb ₃ Ir Intermetallic Compounds. <i>Materials Transactions, JIM</i> , 2000 , 41, 1605-1611		4
102	Synthesis of Nb/Nb5Si3 in-situ Composites by Mechanical Milling and Reactive Spark Plasma Sintering. <i>Materials Transactions, JIM</i> , 2000 , 41, 719-726		19
101	Microstructure and Creep of Mo–ZrC In-situ Composite. <i>Materials Transactions, JIM</i> , 2000 , 41, 1164-1167		12
100	Mechanical Properties of Mo–Nb–TiC In-situ Composites Synthesized by Hot-Pressing. <i>Materials Transactions, JIM</i> , 2000 , 41, 1599-1604		14
99	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		13
98	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		11

97	Microstructures and Mechanical Properties of Directionally Solidified Nb-xMo-22Ti-18Si In-Situ Composites. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2000 , 64, 474-480	0.4	14
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