

Hee Young Kim

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.

141 papers	5,986 citations	41 h-index	75 g-index
143 ext. papers	6,538 ext. citations	4.2 avg, IF	5.8 L-index

#	Paper	IF	Citations
141	Modeling of superelastic auxetic structures of TiZr base alloy. <i>Finite Elements in Analysis and Design</i> , 2022 , 201, 103705	2.2	0
140	Novel beta-type high entropy shape memory alloys with low magnetic susceptibility and high biocompatibility. <i>Materials Letters</i> , 2021 , 287, 129286	3.3	5
139	Synthesis of nanotubular oxide on Ti ₄₀ Zr ₄₀ Nb ₂₀ Sn as a drug-releasing system to prevent the growth of Staphylococcus aureus. <i>Chemical Papers</i> , 2021 , 75, 2441-2450	1.9	2
138	Effect of N addition on nano-domain structure and mechanical properties of a meta-stable Ti-Zr based alloy. <i>Scripta Materialia</i> , 2021 , 203, 114068	5.6	1
137	Effect of Zr Content on Phase Stability, Deformation Behavior, and Young's Modulus in Ti-Nb-Zr Alloys. <i>Materials</i> , 2020 , 13,	3.5	24
136	Isothermal martensitic transformation behavior of TiNbD alloy. <i>Materials Letters</i> , 2019 , 257, 126691	3.3	3
135	Corrosion behavior, in vitro and in vivo biocompatibility of a newly developed Ti-16Nb-3Mo-1Sn superelastic alloy. <i>Materials Science and Engineering C</i> , 2019 , 104, 109906	8.3	3
134	Effect of Stoichiometry on Shape Memory Properties and Functional Stability of Ti ₅₀ Ni ₅₀ Pd Alloys. <i>Materials</i> , 2019 , 12,	3.5	7
133	Stress induced martensitic transformation and shape memory effect in Zr-Nb-Sn alloys. <i>Scripta Materialia</i> , 2019 , 162, 412-415	5.6	11
132	Effect of heat treatment condition on microstructure and superelastic properties of Ti ₂₄ Zr ₁₀ Nb ₂₅ Sn. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 893-898	5.7	18
131	Martensitic Transformation Characteristics 2018 , 1-52		1
130	Effect of Interstitial Alloying Elements on Shape Memory and Superelastic Properties 2018 , 83-109		
129	Thermomechanical Treatment and Microstructure Control 2018 , 111-145		0
128	Unique Properties of Metastable Beta Ti Alloys Related to Martensitic Transformation 2018 , 147-180		
127	Biocompatibility of Superelastic Beta Ti Alloys 2018 , 181-191		
126	Fabrication and Characterization of Shape Memory Alloys 2018 , 193-205		1
125	Shape Memory Effect and Superelasticity 2018 , 53-81		3

124	Effect of Al addition on superelastic properties of Ti ₂₄ Zr ₁₀ Nb ₂ Sn-based alloys. <i>Functional Materials Letters</i> , 2017 , 10, 1740002	1.2	4
123	A novel method for fabrication of Ti ₂₄ Zr ₁₀ Nb ₂ Sn alloy oxide nanotubes-chitosan nanocomposite films. <i>Materials Letters</i> , 2017 , 205, 134-137	3.3	2
122	Electrochemical characterization of the superelastic (Ti-Zr)-Mo-Sn biomedical alloy displaying a large recovery strain. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017 , 68, 1220-1227	1.6	7
121	Effect of annealing temperature on microstructure and superelastic properties of a Ti-18Zr-4.5Nb-3Sn-2Mo alloy. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017 , 65, 716-723	4.1	25
120	Training Effect on Microstructure and Shape Recovery in Ti-Pd-Zr Alloys. <i>Materials Transactions</i> , 2017 , 58, 1479-1486	1.3	9
119	Role of Interstitial Oxygen Atom on Martensitic Transformation of Ti-Nb Alloy. <i>Advances in Science and Technology</i> , 2016 , 97, 115-118	0.1	
118	Enhancement of Shape Memory Properties through Precipitation Hardening in a Ti-Rich Ti-Ni-Pd High Temperature Shape Memory Alloy. <i>Materials Transactions</i> , 2016 , 57, 241-249	1.3	5
117	Effects of oxygen concentration and temperature on deformation behavior of Ti-Nb-Zr-Ta-O alloys. <i>Scripta Materialia</i> , 2016 , 123, 55-58	5.6	30
116	Role of oxygen atoms in β martensite of Ti-20 at.% Nb alloy. <i>Scripta Materialia</i> , 2016 , 112, 15-18	5.6	30
115	Precipitation Behavior of Thermo-Mechanically Treated Ti ₅₀ Ni ₂₀ Au ₂₀ Cu ₁₀ High-Temperature Shape-Memory Alloy. <i>Shape Memory and Superelasticity</i> , 2016 , 2, 29-36	2.8	3
114	Optimum rolling ratio for obtaining {001} recrystallization texture in Ti-Nb-Al biomedical shape memory alloy. <i>Materials Science and Engineering C</i> , 2016 , 61, 499-505	8.3	23
113	Martensitic Transformation Behavior of Oxygen-Added Ti-20at.% Nb ALLOY 2016 , 1007-1009		
112	Phase Constitution and Mechanical Properties of Ti-Mo-Sn-Zr Shape Memory Alloys 2016 , 1747-1750		1
111	Several Issues in the Development of Ti-Nb-Based Shape Memory Alloys. <i>Shape Memory and Superelasticity</i> , 2016 , 2, 380-390	2.8	31
110	Crystal Structure, Transformation Strain, and Superelastic Property of Ti ₂₄ Nb ₁₀ Zr and Ti ₂₄ Nb ₁₀ Ta Alloys. <i>Shape Memory and Superelasticity</i> , 2015 , 1, 107-116	2.8	91
109	A comparative study on the effects of the β and β' phases on the temperature dependence of shape memory behavior of a Ti ₂₄ Nb alloy. <i>Scripta Materialia</i> , 2015 , 103, 37-40	5.6	18
108	Novel Ti-base superelastic alloys with large recovery strain and excellent biocompatibility. <i>Acta Biomaterialia</i> , 2015 , 17, 56-67	10.8	89
107	Effect of B addition on the microstructure and superelastic properties of a Ti-26Nb alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 644, 85-89	5.3	14

106	Effects of oxygen concentration and phase stability on nano-domain structure and thermal expansion behavior of TiNbZrTaD alloys. <i>Acta Materialia</i> , 2015 , 100, 313-322	8.4	54
105	Superelastic properties of biomedical (Ti-Zr)-Mo-Sn alloys. <i>Materials Science and Engineering C</i> , 2015 , 48, 11-20	8.3	72
104	Effect of Nb content and heat treatment temperature on superelastic properties of Ti ₄₀ Zr ₃₀ (B12)Nb ₂₀ Sn alloys. <i>Scripta Materialia</i> , 2015 , 95, 46-49	5.6	61
103	Effect of Zr Addition on Mechanical and Shape Memory Properties of Ti-5Mo-3Sn Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015 , 80, 37-44	0.4	2
102	Martensitic Transformation and Superelastic Properties of Ti-Nb Base Alloys. <i>Materials Transactions</i> , 2015 , 56, 625-634	1.3	72
101	The Effect of Aging Temperature on Morphology of β Phase in Ti-3Mo-6Sn-5Zr Shape Memory Alloy. <i>Materials Today: Proceedings</i> , 2015 , 2, S817-S820	1.4	1
100	A Review of TiNiPdCu Alloy System for High Temperature Shape Memory Applications. <i>Shape Memory and Superelasticity</i> , 2015 , 1, 85-106	2.8	8
99	Heating-induced martensitic transformation and time-dependent shape memory behavior of TiNbD alloy. <i>Acta Materialia</i> , 2014 , 80, 317-326	8.4	33
98	Origin of {3 3 2} twinning in metastable β Ti alloys. <i>Acta Materialia</i> , 2014 , 64, 345-355	8.4	109
97	Martensitic Transformation of Ti-base Alloys. <i>Materia Japan</i> , 2014 , 53, 11-17	0.1	5
96	Effect of Zr Addition on Martensitic Transformation in TiMoSn Alloy. <i>Advanced Materials Research</i> , 2014 , 922, 137-142	0.5	5
95	Effect of cold rolling ratio on the nanoscale precipitation behavior of TiNiPdCu based high temperature shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2014 , 599, 212-218	5.7	7
94	The effect of Pd content on microstructure and shape-memory properties of TiNiPdCu alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 602, 19-24	5.3	12
93	Effect of Sn addition on stress hysteresis and superelastic properties of a Ti ₅₀ Nb ₃₀ Mo alloy. <i>Scripta Materialia</i> , 2014 , 72-73, 29-32	5.6	49
92	Competition between invariant habit plane and compatible junction plane in TiNb-based shape memory alloy. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S92-S95	5.7	1
91	Effect of Nb content on deformation behavior and shape memory properties of TiNb alloys. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S435-S438	5.7	40
90	Nanodomain structure and its effect on abnormal thermal expansion behavior of a Ti ₂₃ Nb ₆₇ Zr ₁₀ .7Ta _{1.2} O alloy. <i>Acta Materialia</i> , 2013 , 61, 4874-4886	8.4	87
89	Effect of Cu addition on the high temperature shape memory properties of Ti ₅₀ Ni ₂₅ Pd ₂₅ alloy. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S383-S387	5.7	20

88	Combined effects of work hardening and precipitation strengthening on the cyclic stability of TiNiPdCu-based high-temperature shape memory alloys. <i>Acta Materialia</i> , 2013 , 61, 4797-4810	8.4	24
87	Role of interstitial atoms in the microstructure and non-linear elastic deformation behavior of TiNb alloy. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S404-S407	5.7	23
86	Formation of nanoscaled precipitates and their effects on the high-temperature shape-memory characteristics of a Ti50Ni15Pd25Cu10 alloy. <i>Acta Materialia</i> , 2012 , 60, 5900-5913	8.4	25
85	Room temperature aging behavior of TiNbMo-based superelastic alloys. <i>Acta Materialia</i> , 2012 , 60, 2437-2447	8.4	46
84	Stability of Ti-Ta Base High Temperature Shape Memory Alloys. <i>Materials Science Forum</i> , 2012 , 706-709, 1921-1924	0.4	1
83	Martensitic transformation and superelastic properties of titanium alloys containing interstitial elements. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 2012 , 62, 257-262	0.3	3
82	Novel TiTaAl alloys with excellent cold workability and a stable high-temperature shape memory effect. <i>Scripta Materialia</i> , 2011 , 64, 1114-1117	5.6	67
81	Cold workability and shape memory properties of novel TiNiTiFeNb high-temperature shape memory alloys. <i>Scripta Materialia</i> , 2011 , 65, 846-849	5.6	58
80	Lattice modulation and superelasticity in oxygen-added Ti alloys. <i>Acta Materialia</i> , 2011 , 59, 6208-6218	8.4	187
79	Anomalous temperature dependence of the superelastic behavior of TiNbMo alloys. <i>Acta Materialia</i> , 2011 , 59, 1464-1473	8.4	86
78	Martensitic transformation and shape memory properties of TiTaSn high temperature shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 7238-7246	5.3	61
77	Effect of Pd content on crystallization and shape memory properties of TiNiPd thin films. <i>International Journal of Smart and Nano Materials</i> , 2011 , 2, 9-21	3.6	10
76	Reply to On substructure in titanium alloy martensite. <i>Philosophical Magazine</i> , 2011 , 91, 2079-2080	1.6	0
75	Stress Amplitude Dependence of Internal Friction in TiNbAl Shape Memory Alloy. <i>Materials Science Forum</i> , 2010 , 638-642, 2064-2067	0.4	
74	Effect of randomness on ferroelastic transitions: Disorder-induced hysteresis loop rounding in Ti-Nb-O martensitic alloy. <i>Physical Review B</i> , 2010 , 82,	3.3	41
73	Antiphase boundary-like stacking fault in β -martensite of disordered crystal structure in Titanium shape memory alloy. <i>Philosophical Magazine</i> , 2010 , 90, 3475-3498	1.6	44
72	Self-Accommodation Morphology in Ti-Nb-Al Shape Memory Alloy. <i>Materials Science Forum</i> , 2010 , 654-656, 2154-2157	0.4	4
71	Effect of heat treatment temperature on the microstructure and actuation behavior of a TiNiCu thin film microactuator. <i>Acta Materialia</i> , 2010 , 58, 6064-6071	8.4	13

70	Effect of nitrogen addition and annealing temperature on superelastic properties of TiNbZrTa alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 6844-6852	5.3	47
69	Crystallographic orientation and stress-amplitude dependence of damping in the martensite phase in textured TiNbAl shape memory alloy. <i>Acta Materialia</i> , 2010 , 58, 2535-2544	8.4	36
68	Shape memory properties of TiNbMo biomedical alloys. <i>Acta Materialia</i> , 2010 , 58, 4212-4223	8.4	161
67	SHAPE MEMORY EFFECT AND CYCLIC DEFORMATION BEHAVIOR OF TiNbAl ALLOYS. <i>Functional Materials Letters</i> , 2009 , 02, 79-82	1.2	34
66	Self-accommodation in TiNb shape memory alloys. <i>Acta Materialia</i> , 2009 , 57, 4054-4064	8.4	111
65	Shape memory behavior and internal structure of TiNiCu shape memory alloy thin films and their application for microactuators. <i>Acta Materialia</i> , 2009 , 57, 441-452	8.4	48
64	Shape memory behavior of TiTa and its potential as a high-temperature shape memory alloy. <i>Acta Materialia</i> , 2009 , 57, 1068-1077	8.4	162
63	Crystallization process and shape memory properties of TiNiZr thin films. <i>Acta Materialia</i> , 2009 , 57, 1920-1930	8.4	28
62	Cyclic deformation behavior of a Ti ₂₆ at.% Nb alloy. <i>Acta Materialia</i> , 2009 , 57, 2461-2469	8.4	87
61	Effect of ternary alloying elements on the shape memory behavior of TiTa alloys. <i>Acta Materialia</i> , 2009 , 57, 2509-2515	8.4	104
60	Effect of Nb Content on Deformation Textures and Mechanical Properties of Ti-18Zr-Nb Biomedical Alloys. <i>Materials Transactions</i> , 2009 , 50, 2721-2725	1.3	11
59	Effect of Nitrogen Addition on Superelasticity of Ti-Zr-Nb Alloys. <i>Materials Transactions</i> , 2009 , 50, 2726-2730	3.0	24
58	Development of high temperature Ti-Ta shape memory alloys 2009 ,		6
57	Effect of Zr Content on Shape Memory Characteristics and Workability of Ti-Ni-Zr Alloy. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008 , 72, 152-157	0.4	5
56	Effect of Nb Content on Deformation Textures and Mechanical Properties of Ti-18Zr-Nb Biomedical Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008 , 72, 965-969	0.4	4
55	Effect of Nitrogen Addition on Superelasticity of Ti-Zr-Nb Alloys. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008 , 72, 955-959	0.4	3
54	Effect of Nb Content on Plastic Deformation Behavior and Deformation Textures of Ti-Nb-Zr-Ta-O Alloy. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008 , 72, 970-974	0.4	5
53	High-strength superelastic TiNi microtubes fabricated by sputter deposition. <i>Acta Materialia</i> , 2008 , 56, 2063-2072	8.4	10

52	Interfacial defects in Ti-Nb shape memory alloys. <i>Acta Materialia</i> , 2008 , 56, 3088-3097	8.4	77
51	1003 Ti-Ni Superelastic Microtubes Fabricated by Sputter-deposition Method. <i>The Proceedings of the JSME Annual Meeting</i> , 2008 , 2008.1, 19-20		
50	Orientation Dependent Internal Friction of Textured Ti-Nb-Al Shape Memory Alloy. <i>Materials Science Forum</i> , 2007 , 561-565, 1533-1536	0.4	2
49	Effect of Rotation Speed on Transformation Behavior in Ti-48at%Ni Shape Memory Alloy Melt-Spun Ribbon. <i>Materials Science Forum</i> , 2007 , 561-565, 1481-1484	0.4	2
48	Damping Capacity of Ti-Nb-Al Shape Memory β-Titanium Alloy with {001}β⟨110⟩β Texture. <i>Materials Transactions</i> , 2007 , 48, 395-399	1.3	7
47	Effect of Boron Concentration on Martensitic Transformation Temperatures, Stress for Inducing Martensite and Slip Stress of Ti-24 mol%Nb-3 mol%Al Superelastic Alloy. <i>Materials Transactions</i> , 2007 , 48, 407-413	1.3	34
46	Effect of Cu Addition on Shape Memory Behavior of Ti-18 mol%Nb Alloys. <i>Materials Transactions</i> , 2007 , 48, 414-421	1.3	18
45	Martensitic Transformation and Superelasticity of Ti-Nb-Pt Alloys. <i>Materials Transactions</i> , 2007 , 48, 400-406		41
44	Composition dependent crystallography of β-martensite in Ti-Nb-based Titanium alloy. <i>Philosophical Magazine</i> , 2007 , 87, 3325-3350	1.6	127
43	TiNi-Base and Ti-Base Shape Memory Alloys. <i>Materials Science Forum</i> , 2007 , 561-565, 5-21	0.4	13
42	Microstructures of Ti-48%Ni shape memory melt-spun ribbons. <i>Transactions of Nonferrous Metals Society of China</i> , 2006 , 16, s92-s95	3.3	5
41	Microactuators Using R-phase Transformation of Sputter-deposited Ti-47.3Ni Shape Memory Alloy Thin Films. <i>Journal of Intelligent Material Systems and Structures</i> , 2006 , 17, 1049-1058	2.3	31
40	Effect of Annealing Temperature on Microstructure and Shape Memory Characteristics of Ti‐22Nb‐6Zr(at%) Biomedical Alloy. <i>Materials Transactions</i> , 2006 , 47, 505-512	1.3	64
39	X-ray Diffraction Analysis of Ti-18 mol%Nb Based Shape Memory Alloys Containing 3d Transition Metal Elements. <i>Materials Transactions</i> , 2006 , 47, 1209-1213	1.3	15
38	Effect of Nb Addition on Shape Memory Behavior of Ti‐Mo‐Ga Alloys. <i>Materials Transactions</i> , 2006 , 47, 518-522	1.3	12
37	Texture and shape memory behavior of Ti&sub2;2Nb&sub3;Ta alloy. <i>Acta Materialia</i> , 2006 , 54, 423-433	8.4	221
36	Martensitic transformation, shape memory effect and superelasticity of Ti-Nb binary alloys. <i>Acta Materialia</i> , 2006 , 54, 2419-2429	8.4	689
35	Effects of Si addition on superelastic properties of Ti-Nb-Al biomedical shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 835-838	5.3	25

34	Alloying process of sputter-deposited Ti/Ni multilayer thin films. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 699-702	5.3	29
33	Effect of thermo-mechanical treatment on mechanical properties and shape memory behavior of Ti ₂₆ Zr ₇₄ at.% Nb alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 839-843	5.3	87
32	Effects of short time heat treatment on superelastic properties of a Ti ₅₀ Nb ₅₀ Al biomedical shape memory alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 870-874	5.3	55
31	Effect of Ta addition on shape memory behavior of Ti ₅₀ Zr ₅₀ Nb alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 417, 120-128	5.3	151
30	Development and characterization of Ni-free Ti-base shape memory and superelastic alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 18-24	5.3	283
29	Effect of boron addition on transformation behavior and tensile properties of Ti ₅₀ Nb ₅₀ Al alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 830-834	5.3	9
28	Effect of {001}<110> texture on superelastic strain of Ti ₅₀ Nb ₅₀ Al biomedical shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 865-869	5.3	48
27	Effects of λ spacing on creep deformation characteristics of hard oriented PST crystals of TiAl alloy. <i>Intermetallics</i> , 2005 , 13, 1116-1121	3.5	17
26	Effect of Low-Temperature Crystallization on Shape Memory Behavior and Microstructure of Sputter-Deposited Ti-Ni Amorphous Thin Films. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2005 , 69, 614-621	0.4	
25	Shape Memory Behavior of Ti-22Nb-(0.5-2.0)O(at%) Biomedical Alloys. <i>Materials Transactions</i> , 2005 , 46, 852-857	1.3	180
24	Shape memory characteristics of Ti ₅₀ Zr ₅₀ Nb ₂ Bi(at%) biomedical alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 403, 334-339	5.3	284
23	Fabrication and characterization of Ti ₅₀ Ni ₅₀ shape memory thin film using Ti/Ni multilayer technique. <i>Science and Technology of Advanced Materials</i> , 2005 , 6, 678-683	7.1	37
22	Effect of Ni-Content on Shape Memory Behavior of Ti-Rich Ti-Ni Melt-Spun Ribbons. <i>Materials Science Forum</i> , 2005 , 475-479, 1925-1928	0.4	5
21	Characterization of High-Speed Microactuator Utilizing Shape Memory Alloy Thin Films. <i>Materials Science Forum</i> , 2005 , 475-479, 2037-2042	0.4	16
20	Martensitic transformation behavior in Ni ₅₀ Al and Ni ₅₀ Al _{0.5} Be melt-spun ribbons. <i>Scripta Materialia</i> , 2004 , 50, 237-241	5.6	13
19	Creep of lamellar TiAl alloys: degradation, stabilization and design of lamellar boundaries. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 387-389, 910-917	5.3	11
18	Effects of lamellar boundary structural change on lamellar size hardening in TiAl alloy. <i>Acta Materialia</i> , 2004 , 52, 5185-5194	8.4	53
17	Mechanical Properties and Shape Memory Behavior of Ti-Mo-Ga Alloys. <i>Materials Transactions</i> , 2004 , 45, 1090-1095	1.3	115

16	Mechanical Properties and Shape Memory Behavior of Ti-Nb Alloys. <i>Materials Transactions</i> , 2004 , 45, 2443-2448	1.3	268
15	Microstructure stability during creep deformation of hard-oriented polysynthetically twinned crystal of TiAl alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2003 , 34, 2191-2198	2.3	4
14	Stability of lamellar microstructure of hard orientated PST crystal of TiAl alloy. <i>Acta Materialia</i> , 2003 , 51, 2191-2204	8.4	48
13	Effects of λ Spacing on Creep Deformation Behavior of Hard Oriented PST Crystals of a Lamellar TiAl Alloy. <i>Materials Science Forum</i> , 2003 , 426-432, 1751-1756	0.4	1
12	The effect of microstructures on creep behavior of Ti ₄₈ Al ₂ W intermetallic compounds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 788-794	5.3	7
11	Saturation of yield stress and embrittlement in fine lamellar TiAl alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 190-195	5.3	21
10	Effect of stress axis orientation on the creep deformation behavior of Ti ₄₈ Al polysynthetically twinned (PST) crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 795-801	5.3	15
9	Parallel twinning during creep deformation in soft orientation PST crystal of TiAl alloy. <i>Acta Materialia</i> , 2001 , 49, 2635-2643	8.4	10
8	Deformation structure during creep deformation in soft orientation PST crystals. <i>Intermetallics</i> , 2001 , 9, 929-935	3.5	1
7	Fabrication process and thermal properties of SiCp/Al metal matrix composites for electronic packaging applications. <i>Journal of Materials Science</i> , 2000 , 35, 6231-6236	4.3	73
6	Effect of microstructure on the high-temperature deformation behavior of Ti-48Al-2W intermetallic compounds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999 , 271, 382-389	5.3	12
5	Flow softening behavior during high temperature deformation of Ti-48Al-2W intermetallic compound. <i>Metals and Materials International</i> , 1998 , 4, 765-770		1
4	High temperature deformation of Ti ₄₆ Al ₂ W intermetallic compounds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 251, 216-225	5.3	45
3	Crack propagation behaviour during three-point bending of polymer matrix composite/Al ₂ O ₃ /polymer matrix composite laminated composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995 , 194, 157-163	5.3	9
2	High temperature deformation behavior of 20 vol.% metal matrix composite. <i>Scripta Metallurgica Et Materialia</i> , 1994 , 30, 297-302		17
1	Antiphase Boundary Like Defect Inside β -Martensite in Ti-Nb-Al Shape Memory Alloy		335-340