

Hee Young Kim

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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	Martensitic transformation, shape memory effect and superelasticity of TiNb binary alloys. <i>Acta Materialia</i> , 2006 , 54, 2419-2429	8.4	689
140	Shape memory characteristics of Ti ₂ Nb ₁₈ Zr(at.%) biomedical alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 403, 334-339	5.3	284
139	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
138	Mechanical Properties and Shape Memory Behavior of Ti-Nb Alloys. <i>Materials Transactions</i> , 2004 , 45, 2443-2448	1.3	268
137	Texture and shape memory behavior of Ti ₂ Nb ₈ Ta alloy. <i>Acta Materialia</i> , 2006 , 54, 423-433	8.4	221
136	Lattice modulation and superelasticity in oxygen-added Ti alloys. <i>Acta Materialia</i> , 2011 , 59, 6208-6218	8.4	187
135	Shape Memory Behavior of Ti ₂₂ Nb ₁₈ (0.5 ₂ 0)O(at%) Biomedical Alloys. <i>Materials Transactions</i> , 2005 , 46, 852-857	1.3	180
134	Shape memory behavior of Ti ₃ Al and its potential as a high-temperature shape memory alloy. <i>Acta Materialia</i> , 2009 , 57, 1068-1077	8.4	162
133	Shape memory properties of TiNbMo biomedical alloys. <i>Acta Materialia</i> , 2010 , 58, 4212-4223	8.4	161
132	Effect of Ta addition on shape memory behavior of Ti ₂ Nb alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 417, 120-128	5.3	151
131	Composition dependent crystallography of β -martensite in TiNb-based Titanium alloy. <i>Philosophical Magazine</i> , 2007 , 87, 3325-3350	1.6	127
130	Mechanical Properties and Shape Memory Behavior of Ti-Mo-Ga Alloys. <i>Materials Transactions</i> , 2004 , 45, 1090-1095	1.3	115
129	Self-accommodation in TiNb shape memory alloys. <i>Acta Materialia</i> , 2009 , 57, 4054-4064	8.4	111
128	Origin of {3 3 2} twinning in metastable Ti alloys. <i>Acta Materialia</i> , 2014 , 64, 345-355	8.4	109
127	Effect of ternary alloying elements on the shape memory behavior of Ti ₃ Al alloys. <i>Acta Materialia</i> , 2009 , 57, 2509-2515	8.4	104
126	Crystal Structure, Transformation Strain, and Superelastic Property of TiNb ₂ r and TiNb ₃ Al Alloys. <i>Shape Memory and Superelasticity</i> , 2015 , 1, 107-116	2.8	91
125	Novel Ti-base superelastic alloys with large recovery strain and excellent biocompatibility. <i>Acta Biomaterialia</i> , 2015 , 17, 56-67	10.8	89

124	Nanodomain structure and its effect on abnormal thermal expansion behavior of a Ti ₂₃ Nb ₂ Zr _{0.7} Ta _{1.2} O alloy. <i>Acta Materialia</i> , 2013 , 61, 4874-4886	8.4	87
123	Cyclic deformation behavior of a Ti ₂₆ at.% Nb alloy. <i>Acta Materialia</i> , 2009 , 57, 2461-2469	8.4	87
122	Effect of thermo-mechanical treatment on mechanical properties and shape memory behavior of Ti ₂₆ at.% Nb alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 839-843	5.3	87
121	Anomalous temperature dependence of the superelastic behavior of Ti ₁₈ Nb ₁₂ Mo alloys. <i>Acta Materialia</i> , 2011 , 59, 1464-1473	8.4	86
120	Interfacial defects in Ti ₁₈ Nb shape memory alloys. <i>Acta Materialia</i> , 2008 , 56, 3088-3097	8.4	77
119	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
118	Superelastic properties of biomedical (Ti-Zr)-Mo-Sn alloys. <i>Materials Science and Engineering C</i> , 2015 , 48, 11-20	8.3	72
117	Martensitic Transformation and Superelastic Properties of Ti-Nb Base Alloys. <i>Materials Transactions</i> , 2015 , 56, 625-634	1.3	72
116	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
115	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
114	Effect of Nb content and heat treatment temperature on superelastic properties of Ti ₄₂ Zr ₃₈ Nb ₂₀ Sn alloys. <i>Scripta Materialia</i> , 2015 , 95, 46-49	5.6	61
113	Martensitic transformation and shape memory properties of Ti ₁₈ Nb ₁₂ Sn high temperature shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 7238-7246	5.3	61
112	Cold workability and shape memory properties of novel Ti ₁₈ Nb ₁₂ Sn high-temperature shape memory alloys. <i>Scripta Materialia</i> , 2011 , 65, 846-849	5.6	58
111	Effects of short time heat treatment on superelastic properties of a Ti ₁₈ Nb ₁₂ 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
110	Effects of oxygen concentration and phase stability on nano-domain structure and thermal expansion behavior of Ti ₁₈ Nb ₁₂ Zr ₁₀ alloys. <i>Acta Materialia</i> , 2015 , 100, 313-322	8.4	54
109	Effects of lamellar boundary structural change on lamellar size hardening in TiAl alloy. <i>Acta Materialia</i> , 2004 , 52, 5185-5194	8.4	53
108	Effect of Sn addition on stress hysteresis and superelastic properties of a Ti ₁₈ Nb ₁₂ Mo alloy. <i>Scripta Materialia</i> , 2014 , 72-73, 29-32	5.6	49
107	Shape memory behavior and internal structure of Ti ₁₈ Ni ₁₂ Ti shape memory alloy thin films and their application for microactuators. <i>Acta Materialia</i> , 2009 , 57, 441-452	8.4	48

106	Effect of {001}<110> texture on superelastic strain of TiNbAl biomedical shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 865-869	5.3	48
105	Stability of lamellar microstructure of hard orientated PST crystal of TiAl alloy. <i>Acta Materialia</i> , 2003 , 51, 2191-2204	8.4	48
104	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
103	Room temperature aging behavior of TiNbMo-based superelastic alloys. <i>Acta Materialia</i> , 2012 , 60, 2437-2447	8.4	46
102	High temperature deformation of Ti ₄₆₋₄₈ Al ₅₂ W intermetallic compounds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998 , 251, 216-225	5.3	45
101	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
100	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
99	Martensitic Transformation and Superelasticity of Ti-Nb-Pt Alloys. <i>Materials Transactions</i> , 2007 , 48, 400-406	5.6	41
98	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
97	Fabrication and characterization of TiNi shape memory thin film using Ti/Ni multilayer technique. <i>Science and Technology of Advanced Materials</i> , 2005 , 6, 678-683	7.1	37
96	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
95	SHAPE MEMORY EFFECT AND CYCLIC DEFORMATION BEHAVIOR OF TiNbAl ALLOYS. <i>Functional Materials Letters</i> , 2009 , 02, 79-82	1.2	34
94	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
93	Heating-induced martensitic transformation and time-dependent shape memory behavior of TiNbO alloy. <i>Acta Materialia</i> , 2014 , 80, 317-326	8.4	33
92	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
91	Several Issues in the Development of TiNb-Based Shape Memory Alloys. <i>Shape Memory and Superelasticity</i> , 2016 , 2, 380-390	2.8	31
90	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
89	Role of oxygen atoms in β -martensite of Ti-20 at.% Nb alloy. <i>Scripta Materialia</i> , 2016 , 112, 15-18	5.6	30

88	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
87	Crystallization process and shape memory properties of TiNiZr thin films. <i>Acta Materialia</i> , 2009 , 57, 1920-1930	8.4	28
86	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
85	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
84	Effects of Si addition on superelastic properties of TiNbAl biomedical shape memory alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 835-838	5.3	25
83	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
82	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
81	Effect of Nitrogen Addition on Superelasticity of Ti-Zr-Nb Alloys. <i>Materials Transactions</i> , 2009 , 50, 2726-2730	3.0	24
80	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
79	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
78	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
77	Effect of Cu addition on the high temperature shape memory properties of Ti50Ni25Pd25 alloy. <i>Journal of Alloys and Compounds</i> , 2013 , 577, S383-S387	5.7	20
76	A comparative study on the effects of the β and δ phases on the temperature dependence of shape memory behavior of a Ti δ 7Nb alloy. <i>Scripta Materialia</i> , 2015 , 103, 37-40	5.6	18
75	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
74	Effect of heat treatment condition on microstructure and superelastic properties of Ti24Zr10Nb2Sn. <i>Journal of Alloys and Compounds</i> , 2019 , 782, 893-898	5.7	18
73	Effects of β spacing on creep deformation characteristics of hard oriented PST crystals of TiAl alloy. <i>Intermetallics</i> , 2005 , 13, 1116-1121	3.5	17
72	High temperature deformation behavior of 20 vol.% metal matrix composite. <i>Scripta Metallurgica Et Materialia</i> , 1994 , 30, 297-302		17
71	Characterization of High-Speed Microactuator Utilizing Shape Memory Alloy Thin Films. <i>Materials Science Forum</i> , 2005 , 475-479, 2037-2042	0.4	16

70	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
69	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
68	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
67	Effect of heat treatment temperature on the microstructure and actuation behavior of a Ti ₄₈ NiCu thin film microactuator. <i>Acta Materialia</i> , 2010 , 58, 6064-6071	8.4	13
66	TiNi-Base and Ti-Base Shape Memory Alloys. <i>Materials Science Forum</i> , 2007 , 561-565, 5-21	0.4	13
65	Martensitic transformation behavior in Ni ₄₈ Al and Ni ₄₈ AlRe melt-spun ribbons. <i>Scripta Materialia</i> , 2004 , 50, 237-241	5.6	13
64	The effect of Pd content on microstructure and shape-memory properties of Ti ₄₈ NiPdCu alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 602, 19-24	5.3	12
63	Effect of Nb Addition on Shape Memory Behavior of Ti-Mo-Ga Alloys. <i>Materials Transactions</i> , 2006 , 47, 518-522	1.3	12
62	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
61	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
60	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
59	Stress induced martensitic transformation and shape memory effect in Zr-Nb-Sn alloys. <i>Scripta Materialia</i> , 2019 , 162, 412-415	5.6	11
58	Effect of Pd content on crystallization and shape memory properties of Ti ₄₈ NiPd thin films. <i>International Journal of Smart and Nano Materials</i> , 2011 , 2, 9-21	3.6	10
57	High-strength superelastic Ti ₄₈ Ni microtubes fabricated by sputter deposition. <i>Acta Materialia</i> , 2008 , 56, 2063-2072	8.4	10
56	Parallel twinning during creep deformation in soft orientation PST crystal of TiAl alloy. <i>Acta Materialia</i> , 2001 , 49, 2635-2643	8.4	10
55	Effect of boron addition on transformation behavior and tensile properties of Ti ₄₈ NbAl alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 438-440, 830-834	5.3	9
54	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
53	Training Effect on Microstructure and Shape Recovery in Ti-Pd-Zr Alloys. <i>Materials Transactions</i> , 2017 , 58, 1479-1486	1.3	9

52	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
51	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
50	Effect of Stoichiometry on Shape Memory Properties and Functional Stability of Ti?Ni?Pd Alloys. <i>Materials</i> , 2019 , 12,	3.5	7
49	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
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	The effect of microstructures on creep behavior of Ti48Al4W intermetallic compounds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002 , 329-331, 788-794	5.3	7
46	Development of high temperature Ti-Ta shape memory alloys 2009 ,		6
45	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
44	Martensitic Transformation of Ti-base Alloys. <i>Materia Japan</i> , 2014 , 53, 11-17	0.1	5
43	Effect of Zr Addition on Martensitic Transformation in TiMoSn Alloy. <i>Advanced Materials Research</i> , 2014 , 922, 137-142	0.5	5
42	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
41	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
40	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
39	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
38	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
37	Effect of Al addition on superelastic properties of Ti4Zr4Nb-based alloys. <i>Functional Materials Letters</i> , 2017 , 10, 1740002	1.2	4
36	Self-Accommodation Morphology in Ti-Nb-Al Shape Memory Alloy. <i>Materials Science Forum</i> , 2010 , 654-656, 2154-2157	0.4	4
35	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

34	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
33	Isothermal martensitic transformation behavior of TiNbD alloy. <i>Materials Letters</i> , 2019 , 257, 126691	3.3	3
32	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
31	Precipitation Behavior of Thermo-Mechanically Treated Ti50Ni20Au20Cu10 High-Temperature Shape-Memory Alloy. <i>Shape Memory and Superelasticity</i> , 2016 , 2, 29-36	2.8	3
30	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
29	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
28	Shape Memory Effect and Superelasticity 2018 , 53-81		3
27	A novel method for fabrication of Ti24Zr10Nb2Sn alloy oxide nanotubes-chitosan nanocomposite films. <i>Materials Letters</i> , 2017 , 205, 134-137	3.3	2
26	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
25	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
24	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
23	Synthesis of nanotubular oxide on Ti24Zr10Nb2Sn as a drug-releasing system to prevent the growth of Staphylococcus aureus. <i>Chemical Papers</i> , 2021 , 75, 2441-2450	1.9	2
22	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
21	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
20	Stability of Ti-Ta Base High Temperature Shape Memory Alloys. <i>Materials Science Forum</i> , 2012 , 706-709, 1921-1924	0.4	1
19	Flow softening behavior during high temperature deformation of Ti-48Al-2W intermetallic compound. <i>Metals and Materials International</i> , 1998 , 4, 765-770		1
18	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
17	Deformation structure during creep deformation in soft orientation PST crystals. <i>Intermetallics</i> , 2001 , 9, 929-935	3.5	1

16	Phase Constitution and Mechanical Properties of Ti-Mo-Sn-Zr Shape Memory Alloys 2016 , 1747-1750		1
15	Martensitic Transformation Characteristics 2018 , 1-52		1
14	Fabrication and Characterization of Shape Memory Alloys 2018 , 193-205		1
13	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
12	Reply to "On substructure in titanium alloy martensite" <i>Philosophical Magazine</i> , 2011 , 91, 2079-2080	1.6	0
11	Modeling of superelastic auxetic structures of Ti-Zr base alloy. <i>Finite Elements in Analysis and Design</i> , 2022 , 201, 103705	2.2	0
10	Thermomechanical Treatment and Microstructure Control 2018 , 111-145		0
9	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	
8	Stress Amplitude Dependence of Internal Friction in TiNbAl Shape Memory Alloy. <i>Materials Science Forum</i> , 2010 , 638-642, 2064-2067	0.4	
7	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	
6	1003 Ti-Ni Superelastic Microtubes Fabricated by Sputter-deposition Method. <i>The Proceedings of the JSME Annual Meeting</i> , 2008 , 2008.1, 19-20		
5	Antiphase Boundary Like Defect Inside β -Martensite in Ti-Nb-Al Shape Memory Alloy 335-340		
4	Martensitic Transformation Behavior of Oxygen-Added Ti-20at.% Nb ALLOY 2016 , 1007-1009		
3	Effect of Interstitial Alloying Elements on Shape Memory and Superelastic Properties 2018 , 83-109		
2	Unique Properties of Metastable Beta Ti Alloys Related to Martensitic Transformation 2018 , 147-180		
1	Biocompatibility of Superelastic Beta Ti Alloys 2018 , 181-191		