Hideki Hosoda

List of Publications by Year
in descending order

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271	7,805	66343	60623
papers	citations	42 h-index	81 g-index

278	278	278	2374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large magnetostrains of Ni-Mn-Ga/silicone composite containing system of oriented 5M and 7M martensitic particles. Scripta Materialia, 2022, 207, 114265.	5.2	15
2	Investigations of mechanical properties and deformation behaviors of the Cr modified Tiâ€“Au shape memory alloys. Journal of Alloys and Compounds, 2022, 897, 163134.	5.5	6
3	Investigations of Deformation Behavior and Microstructure of Al Tailored Tiâ€“Mo High Temperature Shape Memory Alloys during Isothermal Holding at 393 K. Micro, 2022, 2, 113-122.	2.0	4
4	Achievement of Room Temperature Superelasticity in Ti-Mo-Al Alloy System via Manipulation of Ï‰ Phase Stability. Materials, 2022, 15, 861.	2.9	3
5	New dislocation dissociation accompanied by anti-phase shuffling in the Î±â€³ martensite phase of a Ti alloy. Acta Materialia, 2022, 227, 117705.	7.9	4
6	Enhancement of the superelastic behavior of the Tiâ€“Auâ€“Crâ€“based shape memory alloys via the manipulations of annealingâ€“treatments and Ta additions. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 847, 143312.	5.6	5
7	Phase constituent and microstructure manipulations via annealing for enhancements of mechanical property and functionalities of Tiâ€“Auâ€“Crâ€“Ta biomedical shape memory alloys. Journal of Alloys and Compounds, 2022, 920, 166016.	5.5	5
8	Promoted mechanical properties and functionalities via Taâ€“tailored Tiâ€“Auâ€“Cr shape memory alloys towards biomedical applications. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 133, 105358.	3.1	4
9	Effect of 3d transition metal additions on the phase constituent, mechanical properties, and shape memory effect of nearâ€“eutectoid Tiâ€“4Au biomedical alloys. Journal of Alloys and Compounds, 2021, 857, 157599.	5.5	16
10	Lightweight, multifunctional materials based on magnetic shape memory alloys. , 2021, , 187-237.		0
11	Superelastic behavior of single crystalline Ni48Fe20Co5Ga27 micro-pillars near austeniteâ€“martensite critical point. AIP Advances, 2021, 11, 025213.	1.3	2
12	Elaboration of magnetostrain-active NiMnGa particles/polymer layered composites. Materials Letters, 2021, 289, 129427.	2.6	9
13	Influence of the precipitates on the shape memory effect and superelasticity of the nearâ€“eutectoid Tiâ€“Auâ€“Fe alloy towards biomaterial applications. Intermetallics, 2021, 133, 107180.	3.9	11
14	Mechanical Properties Enhancement of the Au-Cu-Al Alloys via Phase Constitution Manipulation. Materials, 2021, 14, 3122.	2.9	1
15	Effect of Cr additions on the phase constituent, mechanical properties, and shape memory effect of nearâ€“eutectoid Tiâ€“4Au towards the biomaterial applications. Journal of Alloys and Compounds, 2021, 867, 159037.	5.5	18
16	Developments of the Electroactive Materials for Non-Enzymatic Glucose Sensing and Their Mechanisms. Electrochem, 2021, 2, 347-389.	3.3	4
17	Microstructure of Î±Â+ÂÎ² dual phase formed from isothermal Î±â€³phase via novel decomposition pathway in metastable Î²-Ti alloy. Journal of Alloys and Compounds, 2021, 868, 159237.	5.5	11
18	Effects of Cr and Sn additives on the martensitic transformation and deformation behavior of Ti-Cr-Sn biomedical shape memory alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 822, 141668.	5.6	10

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19	Evaluations of mechanical properties and shape memory behaviors of the agingâ€“treated Tiâ€“Auâ€“Mo alloys. Materials Chemistry and Physics, 2021, 269, 124775.	4.0	5
20	Enhancement of the shape memory effect by the introductions of Cr and Sn into the Î²â€“Ti alloy towards the biomedical applications. Journal of Alloys and Compounds, 2021, 875, 160088.	5.5	11
21	Enhancement of mechanical properties and shape memory effect of Tiâ€“Crâ€“based alloys via Au and Cu modifications. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 123, 104707.	3.1	9
22	Mechanical property enhancement of the Agâ€“tailored Auâ€“Cuâ€“Al shape memory alloy via the ductile phase toughening. Intermetallics, 2021, 139, 107349.	3.9	3
23	Investigations of Effects of Intermetallic Compound on the Mechanical Properties and Shape Memory Effect of Tiâ€“Auâ€“Ta Biomaterials. Materials, 2021, 14, 5810.	2.9	7
24	Non-linear elastic behavior of Ni-Fe-Ga(Co) shape memory alloy and Landau-energy landscape reconstruction. Acta Materialia, 2021, 224, 117530.	7.9	5
25	The Effect of Particle Shape on Magnetic Field-Induced Rubber-Like Behavior of Ni-Mn-Ga/Silicone Composites. IOP Conference Series: Materials Science and Engineering, 2020, 886, 012055.	0.6	2
26	Evaluation of the Shape Memory Effect by Micro-Compression Testing of Single Crystalline Ti-27Nb Ni-Free Alloy. Materials, 2020, 13, 110.	2.9	4
27	Heterogeneous Deformation Behavior of Cu-Ni-Si Alloy by Micro-Size Compression Testing. Crystals, 2020, 10, 1162.	2.2	2
28	Effect of cross-sectional area reduction rate and alloy composition on the formation of <001>-fiber texture in Ti-Mo-Al-Zr alloy wire. MATEC Web of Conferences, 2020, 321, 11019.	0.2	0
29	Microstructural Evolution in Î²â€Metastable Tiâ€“Moâ€“Snâ€“Al Alloy During Isothermal Aging. Advanced Engineering Materials, 2019, 21, 1900416.	3.5	15
30	Influence of internal stress on magnetostrain effect in Niâ€“Mnâ€“Ga/polymer composite. Results in Materials, 2019, 2, 100037.	1.8	5
31	Tailoring thermomechanical treatment of Ni-Fe-Ga melt-spun ribbons for elastocaloric applications. Journal of Materials Research and Technology, 2019, 8, 4540-4546.	5.8	13
32	Phase Reaction and Diffusion Behavior between AuTi and CoTi Intermetallic Compounds. Materials Transactions, 2019, 60, 631-635.	1.2	1
33	Effects of hydrothermal treatment and pelletizing temperature on physical properties of empty fruit bunch pellets. Energy Procedia, 2019, 158, 681-687.	1.8	6
34	Isothermal martensitic transformation behavior of Tiâ€“Nbâ€“O alloy. Materials Letters, 2019, 257, 126691.	2.6	8
35	Effects of hydrothermal treatment and pelletizing temperature on the mechanical properties of empty fruit bunch pellets. Applied Energy, 2019, 251, 113385.	10.1	23
36	Compressive Deformation Behavior and Magnetic Susceptibility of Au₂CuAl Biomedical Shape Memory Alloys. Materials Transactions, 2019, 60, 662-665.	1.2	2

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37	Magnetic field-induced rubber-like behavior in Ni-Mn-Ga particles/polymer composite. Scientific Reports, 2019, 9, 3443.	3.3	21
38	A study on lattice matching method by CoRu layer between CoCrPtB magnetic layer and CrTi-(Mo, W) alloy underlayer. Journal of Magnetism and Magnetic Materials, 2019, 469, 545-549.	2.3	0
39	Goss Orientation Evolution in Tiâ€“5.5Moâ€“8Alâ€“6Zr Shape Memory Alloy upon Heat Treatment. Materials Transactions, 2019, 60, 1890-1897.	1.2	1
40	Large Anhysteretic Deformation of Shape Memory Alloys at Postcritical Temperatures and Stresses. Physica Status Solidi (B): Basic Research, 2018, 255, 1700273.	1.5	5
41	Vibration damping of Ni-Mn-Ga/silicone composites. Scripta Materialia, 2018, 146, 9-12.	5.2	21
42	An In Situ Observation of Slip Deformation in a Compressed Ti-Mo-Al Single Crystal. Materials Science Forum, 2018, 941, 1463-1467.	0.3	0
43	Development of ã€˜001ã€‰-fiber texture in cold-groove-rolled Ti-Mo-Al-Zr biomedical alloy. Materialia, 2018, 1, 52-61.	2.7	10
44	Compression response of Niâ€“Mnâ€“Ga/silicone composite and study of three-dimensional deformation of particles. Smart Materials and Structures, 2018, 27, 085024.	3.5	9
45	Brillouin characterization of slimmed polymer optical fibers for strain sensing with extremely wide dynamic range. Optics Express, 2018, 26, 28030.	3.4	6
46	Deformation of Biomedical AuCuAl-Based Shape Memory Alloy Micropillars. MRS Advances, 2017, 2, 1411-1415.	0.9	2
47	Effect of Sn and Zr content on superelastic properties of Ti-Mo-Sn-Zr biomedical alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 704, 72-76.	5.6	24
48	Plastic deformation behaviour of single-crystalline martensite of Ti-Nb shape memory alloy. Scientific Reports, 2017, 7, 15715.	3.3	31
49	Formation process of the incompatible martensite microstructure in a beta-titanium shape memory alloy. Acta Materialia, 2017, 124, 351-359.	7.9	15
50	Effect of Sn and Zr addition on the martensitic transformation behavior of Ti-Mo shape memory alloys. Journal of Alloys and Compounds, 2017, 695, 76-82.	5.5	32
51	Micro-compression study of Ni-Fe(Co)-Ga magnetic shape memory alloy for MEMS sensors. , 2017, , .		1
52	Temperature Dependency of Diffusional Transformation Texture Development in Steel Sheet. Materials Transactions, 2017, 58, 554-560.	1.2	0
53	Aluminum matrix texture in Alâ€“Al₃Ti functionally graded materials analyzed by electron back-scattering diffraction. Japanese Journal of Applied Physics, 2016, 55, 01AG03.	1.5	12
54	Martensitic Transformation and Mechanical Properties of AuCuAl-Based Biomedical Shape Memory Alloys Containing Various Quaternary Elements. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2016, 80, 71-76.	0.4	4

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55	Compatibility at Junction Planes between Habit Plane Variants with Internal Twin in Ti-Ni-Pd Shape Memory Alloy. Materials Transactions, 2016, 57, 233-240.	1.2	11
56	Lattice Parameter Dependence of Kinematic Compatibility in Martensite Microstructure of Cubic-Orthorhombic Transformation. Materials Transactions, 2016, 57, 751-754.	1.2	0
57	Phase Constitution and Martensitic Transformation Behavior of Au-51Ti-18Co Biomedical Shape Memory Alloy Heat-Treated at 1173K to 1373K. Materials Science Forum, 2016, 879, 256-261.	0.3	1
58	Deformation Behavior of Pure Cu and Cu-Ni-Si Alloy Evaluated by Micro-Tensile Testing. Materials Transactions, 2016, 57, 1897-1901.	1.2	5
59	Role of oxygen atoms in Î±â€³ martensite of Ti-20 at.% Nb alloy. Scripta Materialia, 2016, 112, 15-18.	5.2	40
60	Optimum rolling ratio for obtaining {001}<110 > recrystallization texture in Tiâ€“Nbâ€“Al biomedical shape memory alloy. Materials Science and Engineering C, 2016, 61, 499-505.	7.3	37
61	Anisotropy of Young's Modulus in a Ti-Mo-Al-Zr Alloy with Goss Texture. Materials Transactions, 2016, 57, 1998-2001.	1.2	8
62	Effect of Zr Addition on Mechanical and Shape Memory Properties of Ti-5Mo-3Sn Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 80, 37-44.	0.4	2
63	Effect of Annealing Temperature on Texture Formation of Ti-4Au-5Cr-8Zr Biomedical Superelastic Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 80, 45-50.	0.4	2
64	Effect of Al and Cu Contents on Mechanical Properties of Au-Cu-Al Shape Memory Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 80, 27-36.	0.4	7
65	Effect of Heat Treatment Temperature on Microstructure and Hardness of Zr-9 mol%Au Near-Eutectoid Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 80, 77-84.	0.4	1
66	Quantitative Evaluation of Resolution-Level Local-Micro Deformation Based on Three Dimensional Microstructure Images. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 80, 85-91.	0.4	2
67	Deformation Behaviour of Al-Mg Alloy Bi-Crystal Micro-Pillar Evaluated by Micro-Compression Test. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 80, 66-70.	0.4	1
68	Effect of Annealing Temperature on Microstructure and Superelastic Properties of Ti-Au-Cr-Zr Alloy. Materials Transactions, 2015, 56, 404-409.	1.2	18
69	Oxidation Behavior of Au-55 mol%Ti High Temperature Shape Memory Alloy during Heating in Ar-50 vol%O₂ Environment. Materials Transactions, 2015, 56, 600-604.	1.2	3
70	Effect of Nb Addition on Martensitic Transformation Behavior of AuTi-15Co Based Biomedical Shape Memory Alloys. Materials Transactions, 2015, 56, 429-434.	1.2	5
71	Preferential Morphology of Self-accommodation Microstructure in Ti-Ni-Pd Shape Memory Alloy. Materials Today: Proceedings, 2015, 2, S549-S552.	1.8	4
72	The Effect of Aging Temperature on Morphology of Î± Phase in Ti-3Mo-6Sn-5Zr Shape Memory Alloy. Materials Today: Proceedings, 2015, 2, S817-S820.	1.8	1

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73	Ti(Pt, Pd, Au) based High Temperature Shape Memory Alloys. Materials Today: Proceedings, 2015, 2, S517-S522.	1.8	35
74	Deformation Behavior of Ti-4Au-5Cr-8Zr Superelastic Alloy With or Without Containing Ti3Au Precipitates. Materials Today: Proceedings, 2015, 2, S821-S824.	1.8	5
75	Effect of Sn Content on Phase Constitution and Mechanical Properties of Ti-Cr-Sn Shape Memory Alloys. Materials Today: Proceedings, 2015, 2, S825-S828.	1.8	7
76	Formation Process of Triangular Morphology of Self-Accommodation Martensite in Ti-Nb-Al Shape Memory Alloy. MATEC Web of Conferences, 2015, 33, 06001.	0.2	0
77	InÂvitro evaluation of biocompatibility of Tiâ€“Moâ€“Snâ€“Zr superelastic alloy. Journal of Biomaterials Applications, 2015, 30, 119-130.	2.4	5
78	Mechanical properties of Sn electrodeposited in supercritical CO2 emulsions using micro-compression test. Microelectronic Engineering, 2015, 141, 219-222.	2.4	5
79	Crystal Growth of Cobalt Film Fabricated by Electrodeposition with Dense Carbon Dioxide. Journal of the Electrochemical Society, 2015, 162, D423-D426.	2.9	11
80	A comparative study on the effects of the Ï‰ and Î± phases on the temperature dependence of shape memory behavior of a Tiâ€“27Nb alloy. Scripta Materialia, 2015, 103, 37-40.	5.2	27
81	Tensile behavior of micro-sized specimen made of single crystalline nickel. Materials Letters, 2015, 153, 36-39.	2.6	23
82	Tensile behavior of micro-sized specimen fabricated from nanocrystalline nickel film. Microelectronic Engineering, 2015, 141, 17-20.	2.4	14
83	Phase Constituent and Reverse Martensitic Transformation Temperature of PtTi-CoTi Diffusion Couple Heat-Treated at 1373K. Materials Research Society Symposia Proceedings, 2015, 1760, 163.	0.1	3
84	Novel Ti-base superelastic alloys with large recovery strain and excellent biocompatibility. Acta Biomaterialia, 2015, 17, 56-67.	8.3	123
85	Incompatibility of Martensite Variant Clusters in Self-accommodation Microstructure in Ti-Ni-Pd High Temperature Shape Memory Alloy. Materials Research Society Symposia Proceedings, 2015, 1760, 193.	0.1	0
86	Superelastic properties of biomedical (Tiâ€“Zr)â€“Moâ€“Sn alloys. Materials Science and Engineering C, 2015, 48, 11-20.	7.3	94
87	Effect of Nb content and heat treatment temperature on superelastic properties of Tiâ€“24Zrâ€“(8â€“12)Nbâ€“2Sn alloys. Scripta Materialia, 2015, 95, 46-49.	5.2	78
88	Electrodeposition of Tin Using Supercritical Carbon Dioxide Emulsions. ECS Electrochemistry Letters, 2014, 3, D44-D45.	1.9	4
89	Wide-range temperature dependences of Brillouin scattering properties in polymer optical fiber. Japanese Journal of Applied Physics, 2014, 53, 042502.	1.5	32
90	Martensitic Transformation and Mechanical Properties of Fe-added Au-Cu-Al Shape Memory Alloy with Various Heat Treatment Conditions. Materials Research Society Symposia Proceedings, 2014, 1760, 1.	0.1	4

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91	Effect of Sn addition on stress hysteresis and superelastic properties of a Tiâ€“15Nbâ€“3Mo alloy. Scripta Materialia, 2014, 72-73, 29-32.	5.2	64
92	Phase transformation, oxidation and shape memory properties of Tiâ€“50Auâ€“10Zr alloy for high temperature applications. Journal of Alloys and Compounds, 2014, 595, 200-205.	5.5	14
93	Heating-induced martensitic transformation and time-dependent shape memory behavior of Tiâ€“Nbâ€“O alloy. Acta Materialia, 2014, 80, 317-326.	7.9	44
94	Origin of {332} twinning in metastable Î²-Ti alloys. Acta Materialia, 2014, 64, 345-355.	7.9	143
95	Impact Damping in NiMnGa/Polymer Composites. Materials Transactions, 2014, 55, 629-632.	1.2	6
96	TiAu based shape memory alloys for high temperature applications. IOP Conference Series: Materials Science and Engineering, 2014, 60, 012018.	0.6	5
97	Corrosion Behavior of NiTi and Ni-free Ti-based Biomedical Shape Memory Alloys. Zairyo To Kankyo/ Corrosion Engineering, 2014, 63, 301-308.	0.2	2
98	Competition between invariant habit plane and compatible junction plane in TiNb-based shape memory alloy. Journal of Alloys and Compounds, 2013, 577, S92-S95.	5.5	1
99	Compressive Fracture Behavior of Bi-added Ni₅₀Mn₂₈Ga₂₂ Ferromagnetic Shape Memory Alloys. Materials Research Society Symposia Proceedings, 2013, 1516, 139-144.	0.1	9
100	Effect of Nb content on deformation behavior and shape memory properties of Tiâ€“Nb alloys. Journal of Alloys and Compounds, 2013, 577, S435-S438.	5.5	54
101	Composition dependence of phase transformation behavior and shape memory effect of Ti(Pt, Ir). Journal of Alloys and Compounds, 2013, 577, S399-S403.	5.5	12
102	Effect of Î± phase precipitation on martensitic transformation and mechanical properties of metastable Î² Tiâ€“6Crâ€“3Sn biomedical alloy. Journal of Alloys and Compounds, 2013, 577, S427-S430.	5.5	14
103	High-temperature mechanical and shape memory properties of TiPtâ€“Zr and TiPtâ€“Ru alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 564, 34-41.	5.6	36
104	Strengthening of Î² Tiâ€“6Crâ€“3Sn alloy through Î² grain refinement, Î± phase precipitation and resulting effects on shape memory properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 829-835.	5.6	12
105	Role of interstitial atoms in the microstructure and non-linear elastic deformation behavior of Tiâ€“Nb alloy. Journal of Alloys and Compounds, 2013, 577, S404-S407.	5.5	28
106	Incompatibility and preferred morphology in the self-accommodation microstructure of Î²-titanium shape memory alloy. Philosophical Magazine, 2013, 93, 618-634.	1.6	36
107	Magnetoelastic Anomalies Exhibited by Ni–Fe(Co)–Ga Polycrystalline Ferromagnetic Shape Memory Alloy. Materials Transactions, 2013, 54, 1535-1538.	1.2	7
108	Comparison of Bond Order, Metal d Orbital Energy Level, Mechanical and Shape Memory Properties of Ti–Cr–Sn and Ti–Ag–Sn Alloys. Materials Transactions, 2013, 54, 566-573.	1.2	9

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109	The strain rate sensitivity behavior in Ti based shape memory alloys. Transactions of the Materials Research Society of Japan, 2013, 38, 545-548.	0.2	1
110	Mechanical Spectroscopic Study of Equal-Channel Angular Pressed Al-Ni Eutectic Alloy. Solid State Phenomena, 2012, 184, 173-178.	0.3	0
111	Martensitic transformation and superelastic properties of titanium alloys containing interstitial elements. Keikinzoku/Journal of Japan Institute of Light Metals, 2012, 62, 257-262.	0.4	4
112	Novel Research Fields Derived from the Study on Intermetallic Compounds ^|^mdash;From Green Innovation to Life Innovation^|^mdash;. Materia Japan, 2012, 51, 168-178.	0.1	0
113	Effect of uniform distribution of Î± phase on mechanical, shape memory and pseudoelastic properties of Tiâ€“6Crâ€“3Sn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 555, 28-35.	5.6	17
114	Self-accommodation of B19â€² martensite in Tiâ€“Ni shape memory alloys. Part III. Analysis of habit plane variant clusters by the geometrically nonlinear theory. Philosophical Magazine, 2012, 92, 2247-2263.	1.6	52
115	Phase Transformation and Shape Memory Effect of Ti(Pt, Ir). Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2901-2911.	2.2	18
116	Room temperature aging behavior of Tiâ€“Nbâ€“Mo-based superelastic alloys. Acta Materialia, 2012, 60, 2437-2447.	7.9	56
117	Comparative Study of Ti-<I>x</I>Cr-3Sn Alloys for Biomedical Applications. Materials Transactions, 2011, 52, 1787-1793.	1.2	16
118	Ageing behavior of Tiâ€“6Crâ€“3Sn Î² titanium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 530, 504-510.	5.6	19
119	Lattice modulation and superelasticity in oxygen-added Î²-Ti alloys. Acta Materialia, 2011, 59, 6208-6218.	7.9	223
120	Anomalous temperature dependence of the superelastic behavior of Tiâ€“Nbâ€“Mo alloys. Acta Materialia, 2011, 59, 1464-1473.	7.9	102
121	Crystallography of Martensite in TiAu Shape Memory Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 111-120.	2.2	17
122	Evaluation of Solubility Limit of Carbon in Ni3AlC1-x. Materials Research Society Symposia Proceedings, 2011, 1295, 77.	0.1	3
123	Reply to â€˜On substructure in titanium alloy martensiteâ€™. Philosophical Magazine, 2011, 91, 2079-2080.	1.6	1
124	New Internalized Distraction Device for Craniofacial Plastic Surgery Using Ni-Free, Ti-Based Shape Memory Alloy. Journal of Craniofacial Surgery, 2010, 21, 1839-1842.	0.7	3
125	<I>In Vitro</I> Biocompatibility of Ni-Free Ti-Based Shape Memory Alloys for Biomedical Applications. Materials Transactions, 2010, 51, 1944-1950.	1.2	22
126	Effect of nitrogen addition and annealing temperature on superelastic properties of Tiâ€“Nbâ€“Zrâ€“Ta alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 6844-6852.	5.6	50

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127	Crystallographic orientation and stress-amplitude dependence of damping in the martensite phase in textured Tiâ€“Nbâ€“Al shape memory alloy. Acta Materialia, 2010, 58, 2535-2544.	7.9	44
128	Shape memory properties of Tiâ€“Nbâ€“Mo biomedical alloys. Acta Materialia, 2010, 58, 4212-4223.	7.9	197
129	Effect of Aging on Mechanical Properties of Ti-Mo-Al Biomedical Shape Memory Alloy. Materials Science Forum, 2010, 654-656, 2150-2153.	0.3	10
130	Phase Constituents of Ti-Cr-Au and Ti-Cr-Au-Zr Alloy Systems. Materials Science Forum, 2010, 654-656, 2122-2125.	0.3	8
131	Compression Behavior and Texture Development of Polymer Matrix Composites Based on NiMnGa Ferromagnetic Shape Memory Alloy Particles. Materials Science Forum, 2010, 654-656, 2103-2106.	0.3	4
132	Effect of Carbon Addition of Shape Memory Properties of TiNb Alloys. Materials Science Forum, 2010, 638-642, 2046-2051.	0.3	7
133	Phase Constitution and Mechanical Properties of Ti-(Cr, Mn)-Sn Biomedical Alloys. Materials Science Forum, 2010, 654-656, 2118-2121.	0.3	24
134	Stress Amplitude Dependence of Internal Friction in TiNbAl Shape Memory Alloy. Materials Science Forum, 2010, 638-642, 2064-2067.	0.3	0
135	Effect of Nitrogen Addition on Mechanical Property of Ti-Cr-Sn Alloy. Materials Science Forum, 2010, 654-656, 2126-2129.	0.3	4
136	Antiphase boundary-like stacking fault in Î±â€³-martensite of disordered crystal structure in Î²-titanium shape memory alloy. Philosophical Magazine, 2010, 90, 3475-3498.	1.6	47
137	Self-Accommodation Morphology in Ti-Nb-Al Shape Memory Alloy. Materials Science Forum, 2010, 654-656, 2154-2157.	0.3	5
138	Shape memory effect and pseudoelasticity of TiPt. Intermetallics, 2010, 18, 2275-2280.	3.9	44
139	Mechanical properties of shape memory alloys. , 2009, , 20-36.		4
140	SHAPE MEMORY EFFECT AND CYCLIC DEFORMATION BEHAVIOR OF Tiâ€“Nbâ€“N ALLOYS. Functional Materials Letters, 2009, 02, 79-82.	1.2	37
141	Self-accommodation in Tiâ€“Nb shape memory alloys. Acta Materialia, 2009, 57, 4054-4064.	7.9	141
142	Shape memory behavior of Tiâ€“Ta and its potential as a high-temperature shape memory alloy. Acta Materialia, 2009, 57, 1068-1077.	7.9	189
143	Cyclic deformation behavior of a Tiâ€“26 at.% Nb alloy. Acta Materialia, 2009, 57, 2461-2469.	7.9	103
144	Effect of Nitrogen Addition on Superelasticity of Ti-Zr-Nb Alloys. Materials Transactions, 2009, 50, 2726-2730.	1.2	28

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145	Interfacial defects in Tiâ€“Nb shape memory alloys. Acta Materialia, 2008, 56, 3088-3097.	7.9	95
146	Orthodontic Tooth Movement in Rats Using Ni-Free Ti-Based Shape Memory Alloy Wire. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 503-509.	0.4	0
147	Effect of Nitrogen Addition on Superelasticity of Ti-Zr-Nb Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2008, 72, 955-959.	0.4	4
148	Diffusion Bonding of Co to TiAu High Temperature Shape Memory Alloy. Materials Transactions, 2008, 49, 1998-2005.	1.2	9
149	Rolling Texture of Î±"-Phase in Ti-22mol%Nb-3mol%Al Biomedical Shape Memory Alloy. Materials Science Forum, 2007, 561-565, 1517-1520.	0.3	2
150	Orientation Dependent Internal Friction of Textured Ti-Nb-Al Shape Memory Alloy. Materials Science Forum, 2007, 561-565, 1533-1536.	0.3	2
151	Mechanical Properties of Al-5.7wt% Ni Eutectic Alloy Severely Deformed by Equal-Channel Angular Pressing. Materials Science Forum, 2007, 539-543, 2916-2921.	0.3	0
152	High-Temperature Shape Memory Effect of Ti-(Pt,Ir). Materials Science Forum, 2007, 539-543, 3273-3278.	0.3	6
153	Cytocompatibility Evaluation of Ti-Ni and Ti-Mo-Al System Shape Memory Alloys. Materials Transactions, 2007, 48, 361-366.	1.2	12
154	Damping Capacity of Ti-Nb-Al Shape Memory β-Titanium Alloy with {001}_β⟨110⟩_β Texture. Materials Transactions, 2007, 48, 395-399.	1.2	8
155	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. Materials Transactions, 2007, 48, 407-413.	1.2	38
156	Effect of Cu Addition on Shape Memory Behavior of Ti-18 mol%Nb Alloys. Materials Transactions, 2007, 48, 414-421.	1.2	22
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