Koichi Tsuchiya

List of Publications by Year in descending order

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Којсні Тенсніул

#	Article	IF	CITATIONS
1	Nanomechanical and microstructural characterization on the synergetic strengthening in selectively laser melted austenitic stainless steel. Scripta Materialia, 2022, 209, 114359.	5.2	7
2	Decoupling the roles of constituent phases in the strengthening of hydrogenated nanocrystalline dual-phase high-entropy alloys. Scripta Materialia, 2022, 210, 114472.	5.2	8
3	Improving thermoelectric performance of Fe2VAl-based Heusler compounds via high-pressure torsion. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	12
4	Demonstration of ultrahigh thermoelectric efficiency of â^¼7.3% in Mg3Sb2/MgAgSb module for low-temperature energy harvesting. Joule, 2021, 5, 1196-1208.	24.0	205
5	Effect of initial microstructure on grain refinement under hot compression in CrMnFeCoNi high-entropy alloy with Al addition. Materialia, 2021, 18, 101172.	2.7	6
6	Microstructural evolution via purity grade of magnesium produced by high pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 823, 141735.	5.6	6
7	Effect of cold-working on phase formation during heat treatment in CrMnFeCoNi system high-entropy alloys with Al addition. Journal of Alloys and Compounds, 2021, 872, 159668.	5.5	15
8	Exploring the hydrogen absorption and strengthening behavior in nanocrystalline face-centered cubic high-entropy alloys. Scripta Materialia, 2021, 203, 114069.	5.2	12
9	Phase transformation and morphological features in a cold-worked CrMnFeCoNi high entropy alloy with Al addition. Materials Characterization, 2021, 182, 111556.	4.4	1
10	Domain structure and lattice effects in a severely plastically deformed CoCrFeMnNi high entropy alloy. Journal of Alloys and Compounds, 2020, 812, 152028.	5.5	18
11	Micromechanical properties of steel corrosion products in concrete studied by nano-indentation technique. Corrosion Science, 2020, 163, 108304.	6.6	24
12	Role of mill scale on corrosion behavior of steel rebars in mortar. Corrosion Science, 2020, 177, 108995.	6.6	18
13	Microstructure-twinning relations in beta-Ti alloys. MATEC Web of Conferences, 2020, 321, 12021.	0.2	0
14	Evaluating the phase stability of binary titanium alloy Ti-X (X = Mo, Nb, Al, and Zr) using first-principles calculations and a Debye model. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2020, 71, 102207.	1.6	10
15	Effects of Mo segregation on Charpy absorbed energy in Ti-12Mo alloys. MATEC Web of Conferences, 2020, 321, 11050.	0.2	1
16	Effect of Quasi-Hydrostatic Pressure on Deformation Mechanism in Ti-10Mo Alloy. Metals, 2020, 10, 1387.	2.3	1
17	Electrokinetic properties and mechanism of chloride binding in 42-month cured cement pastes with fly ash and ground granulated blast furnace slag exposed to seawater. Construction and Building Materials, 2020, 240, 117944.	7.2	6
18	Influence of sulfur trioxide in clinker on the hydration heat and physical properties of Portland cement. Construction and Building Materials, 2020, 250, 118844.	7.2	7

#	Article	IF	CITATIONS
19	Deformation mechanisms and effect of oxygen addition on mechanical properties of Ti-7.5Mo alloy with α―martensite. MATEC Web of Conferences, 2020, 321, 11059.	0.2	1
20	Plastic deformation of beta-Ti-Mo alloys with isothermal omega phase. MATEC Web of Conferences, 2020, 321, 11087.	0.2	1
21	Reduction of shear localization through structural rejuvenation in Zr–Cu–Al bulk metallic glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 765, 138304.	5.6	10
22	Coupling effect of deformation mode and temperature on tensile properties in TWIP type Ti–Mo alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 766, 138363.	5.6	24
23	A strategy of designing high-entropy alloys with high-temperature shape memory effect. Scientific Reports, 2019, 9, 13140.	3.3	38
24	Mineralogical study of high SO3 clinker produced using waste gypsum board in a cement kiln. Construction and Building Materials, 2019, 217, 507-517.	7.2	22
25	Neutron diffraction study of temperature-dependent elasticity of B19′ NiTiElinvar effect and elastic softening. Acta Materialia, 2019, 173, 281-291.	7.9	24
26	Enhancement of impact toughness of β-type Ti–Mo alloy by {332}<113> twinning. Journal of Materials Science, 2019, 54, 11279-11291.	3.7	26
27	Twinning behavior of orthorhombic-α―martensite in a Ti-7.5Mo alloy. Science and Technology of Advanced Materials, 2019, 20, 401-411.	6.1	39
28	EBSD analysis of dual γ/ε phase microstructures in tensile-deformed Fe-Mn-Si shape memory alloy. Journal of Alloys and Compounds, 2019, 797, 529-536.	5.5	13
29	Transformation pathway from alpha to omega and texture evolution in Zr via high-pressure torsion. Applied Physics Letters, 2019, 114, .	3.3	5
30	Understanding diffraction patterns of glassy, liquid and amorphous materials via persistent homology analyses. Journal of the Ceramic Society of Japan, 2019, 127, 853-863.	1.1	50
31	Reversible elastocaloric effect at ultra-low temperatures in nanocrystalline shape memory alloys. Acta Materialia, 2019, 165, 109-117.	7.9	57
32	Weatherability improvement of strain imaging sheet to use in real field for infrastructure inspection technology. , 2019, , .		0
33	IoT-powered remote sensing system and portable tools for real-time evaluation of strain imaging sheets affixed to old outdoor structures. , 2019, , .		0
34	Effect of Pre-cold Rolling-Induced Twins and Subsequent Precipitated ω-Phase on Mechanical Properties in a β-Type Ti–Mo Alloy. Acta Metallurgica Sinica (English Letters), 2018, 31, 604-614.	2.9	6
35	Formation of equiaxed $\hat{I}\pm$ phase in Ti-5Al-5Mo-5V-3Cr alloy deformed by high-pressure torsion. Journal of Alloys and Compounds, 2018, 738, 283-291.	5.5	13
36	Improvement of ductility in Ti-5Al-5Mo-5V-3Cr alloy by network-like precipitation of blocky α phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 722, 129-135.	5.6	25

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37	The role of W on the thermal stability of nanocrystalline NiTiWx thin films. Acta Materialia, 2018, 142, 181-192.	7.9	22
38	Effect of oxygen addition on microstructures and mechanical properties of Ti-7.5Mo alloy. Journal of Alloys and Compounds, 2018, 737, 221-229.	5.5	45
39	Twinning and Detwinning Mechanisms in Beta-Ti Alloys. Materials Science Forum, 2018, 941, 821-826.	0.3	2
40	Microstructure and composition of fly ash and ground granulated blast furnace slag cement pastes in 42-month cured samples. Construction and Building Materials, 2018, 191, 114-124.	7.2	31
41	Wear behavior of HPT processed UFG AZ31B magnesium alloy. Materials Letters, 2018, 227, 194-198.	2.6	22
42	Vanishing of room-temperature slip avalanches in a face-centered-cubic high-entropy alloy by ultrafine grain formation. Scripta Materialia, 2018, 155, 99-103.	5.2	12
43	Quantitative analysis of {332}ã€^113〉 twinning in a Ti-15Mo alloy by <i>in situ</i> scanning electron microscopy. Science and Technology of Advanced Materials, 2018, 19, 474-483.	6.1	7
44	Effect of high-pressure torsion on the microstructure and thermoelectric properties of Fe2VAl-based compounds. Journal of Applied Physics, 2018, 124, .	2.5	34
45	Continuous microstructure evolution of ball rolled TWIP Ti 15Mo alloy and its effect on phase precipitation behavior. Materials Characterization, 2018, 145, 116-125.	4.4	5
46	Microstructural evolution and its effect on the mechanical behavior of Ti-5Al-5Mo-5V-3Cr alloy during aging. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 239-248.	5.6	27
47	Measurement of Crack width of Concrete Structures by Moiré method. The Proceedings of the Materials and Processing Conference, 2018, 2018.26, 506.	0.0	0
48	Effect of oxygen content on deformation mode and corrosion behavior in β-type Ti-Mo alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 534-541.	5.6	46
49	{332}<113> detwinning in a multilayered bcc-Ti–10Mo–Fe alloy. Journal of Materials Science, 2017, 52, 7858-7867.	3.7	9
50	Composition dependence of mechanically-induced structural rejuvenation in Zr-Cu-Al-Ni metallic glasses. Journal of Alloys and Compounds, 2017, 712, 250-255.	5.5	17
51	Smart photonic coating for civil engineering field: for a future inspection technology on concrete bridge. Proceedings of SPIE, 2017, , .	0.8	7
52	Concurrent solid-state amorphization and structural rejuvenation in Zr-Cu-Al alloy by high-pressure torsion. Materials Letters, 2017, 204, 138-140.	2.6	9
53	Nucleation of recrystallized magnesium grains over quasicrystalline phase during severe plastic deformation of a Mg-Zn-Y alloy at roomAtemperature. Scripta Materialia, 2017, 134, 80-84.	5.2	17
54	Accommodative {332}ã€^113〉 primary and secondary twinning in a slightly deformed β-type Ti-Mo titanium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 456-465.	5.6	46

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55	Strain-rate effect on work-hardening behavior in β-type Ti-10Mo-1Fe alloy with TWIP effect. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 707, 701-707.	5.6	51
56	Effect of processing strain rate and temperature on interfacial segregation of zinc in a magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 703, 54-67.	5.6	8
57	First-principles study of the phase stability and elastic properties of Ti-X alloys (XÂ=ÂMo, Nb, Al, Sn, Zr,) Tj ETQq1	1 0.78431 5.5	L4 rgBT /Ove
58	Twinning and detwinning mechanisms in a BCC Ti Mo-Fe multilayered alloy. IOP Conference Series: Materials Science and Engineering, 2017, 219, 012042.	0.6	4
59	Corrosion behavior of HPT-deformed TiNi alloys in cell culture medium. AIP Conference Proceedings, 2017, , .	0.4	3
60	Effect of annealing on nanoindentation slips in a bulk metallic glass. Physical Review B, 2017, 96, .	3.2	9
61	Nano-micro-porous skutterudites with 100% enhancement in ZT for high performance thermoelectricity. Nano Energy, 2017, 31, 152-159.	16.0	201
62	Origin of zero and negative thermal expansion in severely-deformed superelastic NiTi alloy. Acta Materialia, 2017, 124, 79-92.	7.9	94
63	Effect of Deformation Temperature on Low-Cycle Fatigue Properties of Fe-28Mn-6Si-5Cr Shape Memory Alloy. Materials Transactions, 2016, 57, 639-646.	1.2	14
64	Comparison of Reverse Transformation Behaviors of Thermally- and Deformation-Induced ε-Martensite in Fe-28Mn-6Si-5Cr Shape Memory Alloy. Materials Transactions, 2016, 57, 1707-1713.	1.2	9
65	Longitudinal Hierarchy Co3O4 Mesocrystals with High-dense Exposure Facets and Anisotropic Interfaces for Direct-Ethanol Fuel Cells. Scientific Reports, 2016, 6, 24330.	3.3	56
66	Interfacial segregation induced by severe plastic deformation in a Mg–Zn–Y alloy. Scripta Materialia, 2016, 124, 169-173.	5.2	44
67	Steel reinforcing bar detection using electromagnetic method. , 2016, , .		4
68	Microstructure study of a severely plastically deformed Mg-Zn-Y alloy by application of low angle annular dark field diffraction contrast imaging. Science and Technology of Advanced Materials, 2016, 17, 115-127.	6.1	18
69	Study of {332}<113> twinning in a multilayered Ti-10Mo-xFe (x = 1–3) alloy by ECCI and EBSD. Science and Technology of Advanced Materials, 2016, 17, 220-228.	6.1	25
70	Deformation microstructural evolution and strain hardening of differently oriented grains in twinning-induced plasticity β titanium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 659, 1-11.	5.6	38
71	Effect of Nanostructuring and High-Pressure Torsion Process on Thermal Conductivity of Carrier-Doped Chalcopyrite. Journal of Electronic Materials, 2016, 45, 1642-1647.	2.2	12
72	Size-dependent plastic deformation and failure mechanisms of nanotwinned Ni3Al: Insights from an atomistic cracking model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 649, 449-460.	5.6	19

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73	Effects of Natural Aging on Age-Hardening Behavior of Cu-Be-Co and Cu-Ti Alloys Processed by High-Pressure Torsion. Materials Transactions, 2016, 57, 1471-1475.	1.2	2
74	Control of Grain Structure in AZ31 Mg Alloy by Multipass Caliber rolling. The Proceedings of the Materials and Mechanics Conference, 2016, 2016, PS-40.	0.0	0
75	The influence of severe plastic deformation on microstructure of CoCrFeMnNi High-Entropy Alloy The Proceedings of the Materials and Mechanics Conference, 2016, 2016, PS-36.	0.0	Ο
76	First-principles Calculation of Effects of Carbon on Tetragonality and Magnetic Moment in Fe–C System. ISIJ International, 2015, 55, 2483-2491.	1.4	15
77	Mechanical twinning and dislocation slip multilayered deformation microstructures in β-type Ti–Mo base alloy. Scripta Materialia, 2015, 102, 79-82.	5.2	47
78	Theoretical investigation of effect of alloying elements on phase stability in body-centered cubic Ti-X alloys (X=V, Cr, Fe, Co, Nb, and Mo). Journal of Alloys and Compounds, 2015, 634, 193-199.	5.5	22
79	Precipitation behavior of an ultra-fine grained Mg–Zn alloy processed by high-pressure torsion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 644, 386-391.	5.6	18
80	Aluminum matrix composites reinforced with multi-walled boron nitride nanotubes fabricated by a high-pressure torsion technique. Materials and Design, 2015, 88, 451-460.	7.0	67
81	Improvement of strength–ductility tradeoff in β titanium alloy through pre-strain induced twins combined with brittle I‰ phase. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 646, 279-287.	5.6	34
82	Stents: Functions, Characteristics, and Materials. Springer Series in Biomaterials Science and Engineering, 2015, , 233-250.	1.0	1
83	Nanocrystallization of Zr-Cu-Ni-Al-Au glassy alloys during severe plastic deformation. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012167.	0.6	6
84	Effect of high-pressure torsion deformation on surface properties and biocompatibility of Ti-50.9 mol. %Ni alloys. Biointerphases, 2014, 9, 029007.	1.6	7
85	Microstructures and mechanical properties of Ti5553 alloy processed by high-pressure torsion. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012069.	0.6	3
86	First-principles study of electronic structures and stability of body-centered cubic Ti–Mo alloys by special quasirandom structures. Science and Technology of Advanced Materials, 2014, 15, 035014.	6.1	23
87	Transition of multi-deformation modes in Ti–10Mo alloy with oxygen addition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 590, 88-96.	5.6	24
88	Powder metallurgy routes toward aluminum boron nitride nanotube composites, their morphologies, structures and mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 604, 9-17.	5.6	42
89	Surface characterization of TiNi deformed by high-pressure torsion. Applied Surface Science, 2014, 289, 338-344.	6.1	17
90	Cytocompatibility evaluation and surface characterization of TiNi deformed by high-pressure torsion. Materials Science and Engineering C, 2014, 43, 411-417.	7.3	15

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91	Ultrafine grain formation in Mg–Zn alloy by in situ precipitation during high-pressure torsion. Scripta Materialia, 2014, 78-79, 57-60.	5.2	53
92	Low Temperature Heat Capacity of a Severely Deformed Metallic Glass. Physical Review Letters, 2014, 112, 135501.	7.8	52
93	Work Hardening and Microstructural Development during High-Pressure Torsion in Pure Iron. Materials Transactions, 2014, 55, 1097-1103.	1.2	14
94	Micostructure and Magnetic Properties in Nanostructured Fe and Fe-Based Intermetallics Produced by High-Pressure Torsion. Materials Transactions, 2014, 55, 1286-1291.	1.2	24
95	Pronounced Structural Rejuvenation in Zr ₅₀ Cu ₄₀ Al ₁₀ Metallic Glass Strained by Torsional Straining at Elevated Temperature. Materials Transactions, 2014, 55, 220-222.	1.2	11
96	Effect of High-Pressure Torsion Process on Precipitation Behavior of α Phase in β-Type Ti–15Mo Alloy. Materials Transactions, 2014, 55, 877-884.	1.2	22
97	Mechanism of twinning-induced plasticity in β-type Ti–15Mo alloy. Scripta Materialia, 2013, 69, 393-396.	5.2	171
98	{332}ã€^113〉 Twinning system selection in a β-type Ti–15Mo–5Zr polycrystalline alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 579, 164-169.	2 5.6	59
99	Application of orthogonally arranged FIB–SEM for precise microstructure analysis of materials. Journal of Alloys and Compounds, 2013, 577, S717-S721.	5.5	28
100	Influence of Ni on stability of martensitic transformation in Zr50Cu50â^'xNix. Journal of Alloys and Compounds, 2013, 577, S136-S140.	5.5	17
101	Crystalline to amorphous transformation in Zr–Cu–Al alloys induced by high pressure torsion. Intermetallics, 2013, 37, 52-58.	3.9	19
102	Molecular Dynamics Study on Amorphization of TiNi by Severe Plastic Deformation. Materials Transactions, 2013, 54, 1575-1579.	1.2	6
103	Anomalous Temperature Dependence of Crystalline-to-Amorphous Transformation Induced by High-Pressure Torsion in Zr ₅₀ (Cu,Al) ₅₀ . Materials Transactions, 2013, 54, 1224-1227.	1.2	5
104	Quantitative Analysis of Twinning-Induced Plasticity (TWIP) in Beta-Titanium Alloy. , 2013, , 1149-1156.		0
105	Strength evaluation of <i>α</i> and <i>β</i> phases by nanoindentation in Ti–15Mo alloys with Fe and Al addition. Materials Science and Technology, 2012, 28, 342-347.	1.6	14
106	Reversible transition of deformation mode by structural rejuvenation and relaxation in bulk metallic glass. Applied Physics Letters, 2012, 101, 121914.	3.3	144
107	Heterogeneous twin formation and its effect on tensile properties in Ti–Mo based β titanium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 554, 53-60.	5.6	49
108	Influence of Al content on martensitic transformation behavior in Zr50Cu50â^'Al. Journal of Alloys and Compounds, 2012, 522, 136-140.	5.5	33

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109	Different stages in the continuous microstructural evolution of copper deformed to ultrahigh plastic strains. Scripta Materialia, 2012, 67, 1003-1006.	5.2	13
110	Enhanced uniform elongation by pre-straining with deformation twinning in high-strength β-titanium alloys with an isothermal ω-phase. Philosophical Magazine Letters, 2012, 92, 726-732.	1.2	16
111	Optimization of Strength, Ductility and Corrosion Resistance in Ti-Mo Base Alloys by Controlling Mo Equivalency and Bond Order. Materials Transactions, 2011, 52, 1611-1616.	1.2	13
112	Martensitic stabilization and defects induced by deformation in TiNi shape memory alloys. International Journal of Minerals, Metallurgy and Materials, 2011, 18, 66-69.	4.9	11
113	Property of Amorphous/Nanocrystalline Hybrid Wires of TiNi-Base Shape Memory Alloys. Journal of Materials Engineering and Performance, 2011, 20, 517-521.	2.5	7
114	Enhancement of uniform elongation in high strength Ti–Mo based alloys by combination of deformation modes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4569-4578.	5.6	96
115	Mechanisms and properties of shape memory effect and superelasticity in alloys and other materials: a practical guide. , 2011, , 3-14.		6
116	Heterogeneous Process of Disordering and Structural Refinement in Ni ₃ Al during Severe Plastic Deformation by High-Pressure Torsion. Materials Transactions, 2010, 51, 14-22.	1.2	26
117	Formation of Ultrafine-grained Structure at Drill-hole Surface of Martensitic Steels by High-speed Drilling and Their Mechanical Properties. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2010, 96, 21-28.	0.4	2
118	Work-Softening, High Pressure Phase Formation and Powder Consolidation by HPT. Materials Science Forum, 2010, 654-656, 1205-1210.	0.3	4
119	Effects of α phase precipitation on crevice corrosion and tensile strength in Ti–15Mo alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 1480-1488.	5.6	30
120	Improvement of room temperature ductility for Mo and Fe modified Ti2AlNb alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 355-362.	5.6	61
121	Grain size dependence of the elastic modulus in nanostructured NiTi. Scripta Materialia, 2010, 63, 977-980.	5.2	45
122	Effects of Fe addition on tensile deformation mode and crevice corrosion resistance in Ti–15Mo alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2693-2701.	5.6	65
123	Microstructure, tensile deformation mode and crevice corrosion resistance in Ti–10Mo–xFe alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 5499-5506.	5.6	68
124	Structural rejuvenation in a bulk metallic glass induced by severe plastic deformation. Acta Materialia, 2010, 58, 429-438.	7.9	181
125	Nanostructure Formation and Amorphization in Intermetallic Compounds by Severe Plastic Deformation. Materials Science Forum, 2010, 667-669, 17-24.	0.3	3
126	Deformation Mechanism and Stabilization of Martensite in TiNi Shape Memory Alloy. Journal of Materials Science and Technology, 2010, 26, 936-940.	10.7	20

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127	Development of Shape Memory Actuator for Cryogenic Application. , 2010, , 413-423.		0
128	Phase Transformations of Nanocrystalline Martensitic Materials. MRS Bulletin, 2009, 34, 814-821.	3.5	128
129	Production of TiNi amorphous/nanocrystalline wires with high strength and elastic modulus by severe cold drawing. Scripta Materialia, 2009, 60, 749-752.	5.2	124
130	Effect of Nanocrystallization and Twinning on Hardness in Ni ₃ Al Deformed by High-Pressure Torsion. Materials Transactions, 2009, 50, 1123-1127.	1.2	11
131	Aging effect on martensitic transformation at cryogenic temperatures in Cu-Al-Mn alloy. , 2009, , .		3
132	711 Microstructures and Properties of Amorphous/nanocrystalline Hybrid TiNi Wires. The Proceedings of Ibaraki District Conference, 2009, 2009, 183-184.	0.0	0
133	TEM investigation of intermediate phase transformation and micromodulation in Ni–Mn–Ga ferromagnetic shape memory alloys. Materials Science and Technology, 2008, 24, 920-926.	1.6	8
134	Influence of High-Pressure Torsion Straining Conditions on Microstructure Evolution in Commercial Purity Aluminum. Materials Transactions, 2008, 49, 7-14.	1.2	67
135	Effect of Strain Path in High-Pressure Torsion Process on Hardening in Commercial Purity Titanium. Materials Transactions, 2008, 49, 47-53.	1.2	71
136	Microstructures and Enhanced Properties of SPD-processed TiNi Shape Memory Alloy. , 2008, , .		0
137	Formation of Ultrafine Grained Structure in SUS 304 Stainless Steel Produced by High Pressure Torsion (HPT). Materials Science Forum, 2007, 561-565, 847-852.	0.3	4
138	Role of Strain Gradient and Dynamic Transformation on the Formation of Nanocrystalline Structure Produced by Severe Plastic Deformation. Materials Science Forum, 2007, 539-543, 2787-2792.	0.3	5
139	Effect of Aging on Microstructure and Martensitic Transformation in Ti-Zr-Ni Shape Memory Alloys. Materials Science Forum, 2007, 539-543, 3163-3168.	0.3	7
140	Phase Transformation and Microstructures in Ni and Cu Base Ferromagnetic Shape Memory Alloys. Materials Science Forum, 2007, 539-543, 3157-3162.	0.3	2
141	Research and Development of 3d Multinary Functional Materials for Substitution of Rare and Toxic Elements. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2007, 71, 876-884.	0.4	1
142	Microstructural Evolution during Isothermal Aging in Ni-Rich Ti-Zr-Ni Shape Memory Alloys. Materials Transactions, 2007, 48, 432-438.	1.2	26
143	Phase Transformation and Magnetic Properties of Ferromagnetic Cu-Mn-Ga Alloys. Materials Transactions, 2007, 48, 2840-2846.	1.2	6
144	Formation of Surface Nanocrystalline Structure in Steels by Shot Peening and Role of Strain Gradient on Grain Refinement by Deformation. ISIJ International, 2007, 47, 157-162.	1.4	25

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145	Dissolution of cementite in carbon steels by ball drop deformation and laser heating. Journal of Alloys and Compounds, 2007, 434-435, 497-500.	5.5	12
146	Role of strain gradient on the formation of nanocrystalline structure produced by severe plastic deformation. Journal of Alloys and Compounds, 2007, 434-435, 290-293.	5.5	10
147	A microstructural investigation of the surface of a drilled hole in carbon steels. Acta Materialia, 2007, 55, 1397-1406.	7.9	52
148	Role of strain gradient on grain refinement by severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 462, 264-268.	5.6	63
149	Phase transformation, magnetic property and microstructure of Ni–Mn–Fe–Co–Ga ferromagnetic shape memory alloys. Journal of Magnetism and Magnetic Materials, 2007, 310, 2764-2766.	2.3	4
150	Formation of a nanocrystalline surface layer on steels by air blast shot peening. Journal of Materials Science, 2007, 42, 7716-7720.	3.7	73
151	Formation of Nanocrystalline Structure by Shot Peening. Materials Science Forum, 2006, 503-504, 669-674.	0.3	10
152	Phase Transformation and Magnetic Properties of Ferromagnetic Cu-Mn-Ga Alloys. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2006, 70, 849-855.	0.4	2
153	Influence of Shot Peening Condition on Surface Amorphization/Nanocrystallization in TiNi Shape Memory Alloy. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2006, 70, 473-477.	0.4	3
154	Self-deployable origami stent grafts as a biomedical application of Ni-rich TiNi shape memory alloy foil. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 419, 131-137.	5.6	566
155	Nanocrystalline structure formation in carbon steel introduced by high speed drilling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 435-436, 383-388.	5.6	23
156	Martensitic transformation in nanostructured TiNi shape memory alloy formed via severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 438-440, 643-648.	5.6	118
157	Influence of isothermal ageing on mechanical behaviour in Ni-rich Ti–Zr–Ni shape memory alloy. Scripta Materialia, 2006, 55, 1079-1082.	5.2	32
158	Nanocrystalline Structure in Steels Produced by Various Severe Plastic Deformation Processes. Materials Science Forum, 2006, 503-504, 11-18.	0.3	8
159	Dissolution of Cementite in Carbon Steels by Heavy Deformation and Laser Heat Treatment. Materials Science Forum, 2006, 503-504, 461-468.	0.3	3
160	Martensitic Transformation and Mechanical Behavior of TiNi Shape Memory Alloys after Severe Plastic Deformation. Materials Science Forum, 2006, 503-504, 419-424.	0.3	0
161	Phase Transformation and Magnetic Properties in Ni52FexMn21â^'xGa27 Alloys. ISIJ International, 2006, 46, 1283-1286.	1.4	3
162	Nanocrystallization of Drill Hole Surface by High Speed Drilling. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 601-604.	0.1	6

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163	Surface Amorphization of TiNi Shape Memory Alloy by Shot Peening. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 615-618.	0.1	1
164	Deformation and Dissolution of Cementite by Severe Plastic Deformation. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 157-160.	0.1	0
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11

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