

Mitsuhiro Matsuda

List of Publications by Year in descending order

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papers

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30
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30
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-tension behaviour of lath martensite structures of carbon steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 560, 535-544.	5.6	129
2	Dislocation Structure in Rapidly Solidified Mg ₉₇ Zn ₁ Y ₂ Alloy with Long Period Stacking Order Phase. Materials Transactions, 2005, 46, 361-364.	1.2	106
3	Hydrogen permeation in rapidly quenched amorphous and crystallized Nb ₂₀ Ti ₄₀ Ni ₄₀ alloy ribbons. International Journal of Hydrogen Energy, 2011, 36, 1784-1792.	7.1	30
4	Ductility Enhancement in B2-Type Zr-Co-Ni Alloys with Martensitic Transformation. Materials Transactions, 2009, 50, 2335-2340.	1.2	29
5	Crystallography and Morphology of Antiphase Boundary-Like Structure Induced by Martensitic Transformation in Ti-Pd Shape Memory Alloy. Materials Transactions, 2008, 49, 461-465.	1.2	27
6	Effect of hydrogen on tensile behaviour of micrometre-sized specimen fabricated from a metastable austenitic stainless steel. Corrosion Science, 2011, 53, 529-533.	6.6	26
7	Microtension behaviour of TiAl polysynthetically twinned crystals with 0°- and 90°-oriented lamellae. Scripta Materialia, 2011, 65, 707-710.	5.2	26
8	Deformation structure in ductile B2-type Zr-Co-Ni alloys with martensitic transformation. Journal of Materials Science, 2011, 46, 4221-4227.	3.7	26
9	Transmission Electron Microscopy of Twins in 10M Martensite in Ni-Mn-Ga Ferromagnetic Shape Memory Alloy. Materials Transactions, 2012, 53, 902-906.	1.2	21
10	Crystallization and microstructure changes in rapidly solidified Nb ₂₀ Ti ₄₀ Ni ₄₀ hydrogen permeation alloy. Journal of Alloys and Compounds, 2009, 485, 773-777.	5.5	11
11	Microtension behaviour of lenticular martensite structure of Fe-30 mass% Ni alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 618, 359-367.	5.6	9
12	Electron Microscopy Study of Eutectic Structure in Nb-Ti-X and Nb-Zr-X (X = Co, Ni) Hydrogen Permeation Alloys. Materials Transactions, 2008, 49, 2208-2213.	1.2	8
13	Development of Ductile B2-Type Fe-Co Based Alloys. Materials Transactions, 2012, 53, 1826-1828.	1.2	8
14	Martensite Formation in Hydrogen-Containing Metastable Austenitic Stainless Steel During Micro-Tension Testing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3567-3571.	2.2	7
15	Solid- and Liquid-Solid Reactions in Aluminum-Coated Titanium Substrate Fabricated by Using Explosive Energy. Materials Transactions, 2011, 52, 2178-2183.	1.2	6
16	Microstructure and Martensitic Transformation Behavior in Thermal Cycled Equiatomic CuZr Shape Memory Alloy. Metals, 2019, 9, 580.	2.3	6
17	Morphology and Crystallography of Martensite Plate with Long Period Stacking Structure in Ti-Pd Shape Memory Alloy. Materials Transactions, 2011, 52, 2016-2021.	1.2	4
18	Phase Diagram of near Equiatomic Zr-Pd Alloy. Metals, 2018, 8, 366.	2.3	4

#	ARTICLE	IF	CITATIONS
19	Shape Change and Crystal Orientation of B19 Martensite in Equiatomic TiPd Alloy by Isobaric Test. <i>Metals</i> , 2020, 10, 375.	2.3	4
20	Black Tiâ€Zr-based oxygen defective oxide film with visible light absorption prepared via atmospheric oxidation. <i>Journal of Materials Research</i> , 2021, 36, 368-375.	2.6	2
21	Micromechanical Characterisation of Microstructure in Weld Heat Affected Zone of Structural Steel. <i>Key Engineering Materials</i> , 2012, 525-526, 585-588.	0.4	1
22	Characterization of Antiphase Boundary-Like Structure of B33 Martensite in Zrâ€Coâ€Pd Alloy. <i>Materials Transactions</i> , 2018, 59, 1567-1573.	1.2	1
23	Effect of Heat Treatment Conditions on Multistage Martensitic Transformation in Aged Ni-rich Ti-Ni Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2004, 842, 227.	0.1	0
24	Micromechanical Testing of Nanostructured NbTiNi Hydrogen Permeation Membranes. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1224, 1.	0.1	0
25	Effect of Forming Conditions on Crystallization in Laser Forming of Palladium Based Thin Film Metallic Glass. <i>Journal of Solid Mechanics and Materials Engineering</i> , 2011, 5, 929-937.	0.5	0
26	Microfracture Test of Mg ₁₂ ZnY Intermetallic Compound in Mg-Zn-Y Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1295, 273.	0.1	0
27	Antiphase Boundary-Like Structure of B19 Martensite in Ti-Ni-Pd Shape Memory Alloy. <i>Materials Transactions</i> , 2016, 57, 250-256.	1.2	0
28	Interaction between Long Period Stacking Order Structure and Deformation Twin in Mg-Y-Zn Alloy. <i>Materia Japan</i> , 2005, 44, 994-994.	0.1	0
29	Microstructural Characterization of Martensite with Long Period Stacking Order Structure in Hfâ€Coâ€Pd Alloy. <i>Materials Transactions</i> , 2020, 61, 27-32.	1.2	0