Yoji Miyajima

List of Publications by Year
in descending order

36 papers	662 citations	623188 14 h-index	580395 25 g-index
36 all docs	36 docs citations	36 times ranked	767 citing authors

#	Article	IF	Citations
1	Change in electrical resistivity of commercial purity aluminium severely plastic deformed. Philosophical Magazine, 2010, 90, 4475-4488.	0.7	94
2	The importance of oxygen-containing defects on carbon nanotubes for the detection of polar and non-polar vapours through hydrogen bond formation. Nanotechnology, 2007, 18, 175701.	1.3	79
3	Quantification of internal dislocation density using scanning transmission electron microscopy in ultrafine grained pure aluminium fabricated by severe plastic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 528, 776-779.	2.6	76
4	Evaluation of Dislocation Density for 1100 Aluminum with Different Grain Size during Tensile Deformation by Using <i>In-Situ</i> X-ray Diffraction Technique. Materials Transactions, 2015, 56, 671-678.	0.4	55
5	Dislocation density of pure copper processed by accumulative roll bonding and equal-channel angular pressing. Materials Characterization, 2015, 104, 101-106.	1.9	38
6	Synthesis of non-equilibrium phases in immiscible metals mechanically mixed by high pressure torsion. Journal of Materials Science, 2011, 46, 4296-4301.	1.7	32
7	Electrical properties of pulsed UV laser irradiated amorphous carbon. Applied Physics Letters, 2008, 92, 152104.	1.5	30
8	Effects of Si on mechanical properties and microstructure evolution in ultrafine-grained Cuâ€“Si alloys processed by accumulative roll bonding. Acta Materialia, 2013, 61, 1537-1544.	3.8	28
9	In-situ X-ray diffraction during tensile deformation of ultrafine-grained copper using synchrotron radiation. Philosophical Magazine Letters, 2016, 96, 294-304.	0.5	22
10	Electrical conduction mechanism in laser deposited amorphous carbon. Thin Solid Films, 2007, 516, 257-261.	0.8	19
11	Microstructural change due to isochronal annealing in severely plastic-deformed commercial purity aluminium. Philosophical Magazine, 2015, 95, 1139-1149.	0.7	19
12	Pulsed laser deposited tetrahedral amorphous carbon with high sp3 fractions and low optical bandgaps. Journal of Applied Physics, 2009, 105, 073521.	1.1	18
13	Dislocation Density of FCC Metals Processed by ARB. IOP Conference Series: Materials Science and Engineering, 2014, 63, 012138.	0.3	17
14	Amorphous carbon and carbon nitride bottom gate thin film transistors. Applied Physics Letters, 2009, 95, .	1.5	16
15	Electronic state modification in laser deposited amorphous carbon films by the inclusion of nitrogen. Journal of Applied Physics, 2008, 104, 063701.	1.1	14
16	Probing the band structure of hydrogen-free amorphous carbon and the effect of nitrogen incorporation. Carbon, 2011, 49, 5229-5238.	5.4	13
17	Evolution of the spread of crystal orientation with plastic deformation in a cold-rolled Cu single crystal. Journal of Materials Science, 2014, 49, 2013-2017.	1.7	13
18	Effects of Temperature and Strain Rate on Plastic Deformation of Ultrafine-Grained Copper Prepared by Equal-Channel Angular Pressing. Materials Transactions, 2014, 55, 1525-1530.	0.4	12

#	Article	IF	Citations
19	Change in Crystal Orientations of a {100} ⟨001⟩ Pure Aluminum Single Crystal during Accumulative Roll Bonding. Materials Transactions, 2011, 52, 825-829.	0.4	9
20	Effects of Rolling Reduction and Strength of Composed Layers on Bond Strength of Pure Copper and Aluminium Alloy Clad Sheets Fabricated by Cold Roll Bonding. Advances in Materials Science and Engineering, 2014, 2014, 1-11.	1.0	8
21	Log Angles: Characteristic Angles of Crystal Orientation Given by the Logarithm of Rotation Matrix. Materials Transactions, 2016, 57, 507-512.	0.4	6
22	Retardation of Softening of Ultrafine-Grained Copper during Low Temperature Annealing under Uniaxial Tensile Stress. Materials Transactions, 2012, 53, 96-100.	0.4	5
23	Evolution of Microstructure and Texture During Cold Rolling and Annealing of a Highly Cube-Textured ({001}$$ leftlangle {100} ightangle $$) Polycrystalline Nickel Sheet. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2012, 43, 2442-2452.	1.1	5
24	Rotation and Splitting of Crystal Orientation in a Cu Single Crystal Caused by Rolling and Accumulative Roll-Bonding. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2013, 77, 435-439.	0.2	5
25	Log Angles: Characteristic Angles of Crystal Orientation Given by the Logarithm of Rotation Matrix. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 9-15.	0.2	5
26	Hydrogenated amorphous carbon and carbon nitride films deposited at low pressure by plasma enhanced chemical vapor deposition. Thin Solid Films, 2011, 519, 6374-6380.	0.8	4
27	Contactless electrical conductivity measurement of metallic submicron-grain material: Application to the study of aluminum with severe plastic deformation. Review of Scientific Instruments, 2016, 87, 053905.	0.6	4
28	Surface induced bulk modifications of amorphous carbon nitride films by post-deposition oxygen and hydrogen plasma treatment. Thin Solid Films, 2005, 491, 161-167.	0.8	3
29	Changes in Strength and Microstructure of Cu (100) [001] Single Crystals Caused by Accumulative Roll-Bonding. Materials Transactions, 2012, 53, 26-29.	0.4	3
30	Grain Size Variation during Low Temperature Creep and Tensile Deformation of Ultrafine-Grained Copper. Materials Transactions, 2013, 54, 1605-1611.	0.4	3
31	Texture Evolution in ARB Processed Commercial Purity Aluminium. Materials Science Forum, 0, 702-703, 173-176.	0.3	2
32	Morphological and Crystallographic Characteristics of Incoherent Octahedral FCC Co Precipitates in a Cu Matrix. Materials Transactions, 2012, 53, 893-901.	0.4	2
33	Recrystallization Texture of Heavily Cold Rolled Polycrystalline Nickel Sheets with and without Strong Starting Cube Texture. Materials Science Forum, 2013, 753, 293-296.	0.3	1
34	Stability of Fatigued Dislocation Wall Structure in Coarse-Grained and Ultrafine-Grained Aluminum against Monotonic Tensile Deformation. Materials Transactions, 2013, 54, 43-49.	0.4	1
35	Temperature and strain-rate dependence of flow stress of nanocrystalline nickel fabricated by electrolytic deposition. Philosophical Magazine Letters, 2020, 100, 571-580.	0.5	1
36	Stability of Cube Oriented Grains during Cold-Rolling of Highly Cube-Oriented Polycrystalline Nickel. Materials Science Forum, 0, 702-703, 402-405.	0.3	0