

Motohiro Yuasa

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/6223899/motohiro-yuasa-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62
papers

797
citations

13
h-index

25
g-index

62
ext. papers

930
ext. citations

3.1
avg. IF

4.34
L-index

#	Paper	IF	Citations
62	Corrosion Behavior of Ultrafine-Grained CoCrFeMnNi High-Entropy Alloys Fabricated by High-Pressure Torsion.. <i>Materials</i> , 2022 , 15,	3.5	4
61	Quantitative kink boundaries strengthening effect of Mg-Y-Zn alloy containing LPSO phase. <i>Materials Letters</i> , 2021 , 292, 129625	3.3	6
60	Effect of solute Mn on microstructural evolution of CuMn alloys processed by equal channel angular pressing. <i>Journal of Materials Research</i> , 2021 , 36, 2890-2902	2.5	1
59	Effects of stacking fault energy and solute atoms on microstructural evolution of Cu, Ag and CuAl alloys processed by equal channel angular pressing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 803, 140716	5.3	4
58	Kink bands strengthening of Mg-Y-Zn alloy via various wrought-processing. <i>Materials Letters</i> , 2021 , 304, 130653	3.3	1
57	Fabrication of dense ZrB ₂ /B ₄ C composites using pulsed electric current pressure sintering and evaluation of their high-temperature bending strength. <i>Ceramics International</i> , 2020 , 46, 18478-18486	5.1	6
56	Effect of Thermomechanical Processing on Grain Size, Texture and Mechanical Properties of Pure Magnesium. <i>Materials Science Forum</i> , 2020 , 985, 97-108	0.4	
55	Microstructural Characterization of Mechanically Alloyed FeCoNiMnV High Entropy Alloy Consolidated by Spark Plasma Sintering. <i>Advanced Engineering Materials</i> , 2020 , 22, 1901311	3.5	2
54	Hot compression deformation behavior of MgZn alloys containing LPSO phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 792, 139777	5.3	10
53	Potential of High Compressive Ductility of Ultrafine Grained Copper Fabricated by Severe Plastic Deformation. <i>Metals</i> , 2020 , 10, 1503	2.3	3
52	Corrosion Behavior of Severely Deformed Pure and Single-Phase Materials. <i>Materials Transactions</i> , 2019 , 60, 1243-1255	1.3	20
51	Numerical Analysis of a New Nonlinear Twist Extrusion Process. <i>Metals</i> , 2019 , 9, 513	2.3	6
50	Improvement of the Mechanical Properties of Magnesium Alloy AZ31 Using Non-linear Twist Extrusion (NTE). <i>Procedia Structural Integrity</i> , 2019 , 21, 73-82	1	1
49	Electrodeposition of nanocrystalline nickel embedded with inert nanoparticles formed via inverse hydrolysis. <i>Applied Surface Science</i> , 2018 , 458, 612-618	6.7	6
48	Enhanced Corrosion Resistance of Ultrafine-Grained Fe-Cr Alloys with Subcritical Cr Contents for Passivity. <i>Metals</i> , 2018 , 8, 149	2.3	8
47	Grain Refinement of Pure Magnesium Using Nonlinear Twist Extrusion. <i>Materials Science Forum</i> , 2018 , 939, 54-62	0.4	2
46	Fabrication and anisotropic electronic property for oriented Li _{1-x} Nb _{1-3x} Ti ₄ O ₃ solid solution by slip casting in a high magnetic field. <i>Advanced Powder Technology</i> , 2017 , 28, 2373-2379	4.6	5

45	Microstructure and mechanical properties of AZX912 magnesium alloy extruded at different temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 679, 162-171	5.3	41
44	Extraordinary diffusion in Co/Cu grain boundaries. <i>Scripta Materialia</i> , 2015 , 101, 52-55	5.6	
43	Anomalous mechanical characteristics of Au/Cu nanocomposite processed by Cu electroplating. <i>Philosophical Magazine</i> , 2015 , 95, 1499-1510	1.6	4
42	Discharge properties of Mg ₂ AlMnCa and Mg ₂ AlMn alloys as anode materials for primary magnesium-air batteries. <i>Journal of Power Sources</i> , 2015 , 297, 449-456	8.9	96
41	Effects of group II elements on the cold stretch formability of Mg-Zn alloys. <i>Acta Materialia</i> , 2015 , 83, 294-303	8.4	92
40	Effect of segregated Al on $\{10\bar{1}2\}$ and $\{10\bar{1}1\}$ twinning in Mg. <i>Journal of Materials Research</i> , 2015 , 30, 3629-3641	2.5	10
39	Nanocrystalline Nickel Dispersed with Hydrolyzed Nano-Size Tungsten Oxide Particles by Electrodeposition. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015 , 80, 109-113	0.4	1
38	Enhanced Room-Temperature Stretch Formability of Mg-0.2 mass%Ce Alloy Sheets Processed by Combination of High-Temperature Pre-Annealing and Warm Rolling. <i>Materials Transactions</i> , 2015 , 56, 1096-1101	1.3	7
37	Effect of segregated elements on the interactions between twin boundaries and screw dislocations in Mg. <i>Journal of Applied Physics</i> , 2015 , 118, 034304	2.5	13
36	First-principles Study of Hydrogen-induced Embrittlement in Fe Grain Boundary with Cr Segregation. <i>ISIJ International</i> , 2015 , 55, 1131-1134	1.7	8
35	Visible-light photocatalysis of ZnO deposited on nanoporous Au. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 114, 1061-1066	2.6	4
34	Microstructural and textural evolution of pure titanium during differential speed rolling and subsequent annealing. <i>Journal of Materials Science</i> , 2014 , 49, 3166-3176	4.3	10
33	Improved plastic anisotropy of Mg ₂ ZnCa alloys exhibiting high-stretch formability: A first-principles study. <i>Acta Materialia</i> , 2014 , 65, 207-214	8.4	68
32	Interaction mechanisms of screw dislocations with and twin boundaries in Mg. <i>Philosophical Magazine</i> , 2014 , 94, 285-305	1.6	22
31	Age-hardening mechanism for nanocrystalline Ni ₃ P alloys synthesized by electrodeposition. <i>Surface and Coatings Technology</i> , 2014 , 253, 154-160	4.4	11
30	Effects of Microstructure on Discharge Behavior of AZ91 Alloy as Anode for Mg-Air Battery. <i>Materials Transactions</i> , 2014 , 55, 1202-1207	1.3	31
29	Texture Formation and Room-Temperature Formability of Rolled Mg-Zn-Ce Alloys. <i>Materials Transactions</i> , 2014 , 55, 1190-1195	1.3	12
28	Mechanical and chemical effects of solute elements on generalized stacking fault energy of Mg. <i>Journal of Materials Research</i> , 2014 , 29, 2576-2586	2.5	12

27	Molecular dynamics and first-principles study of grain boundary sliding in metals. <i>Transactions of the Materials Research Society of Japan</i> , 2014 , 39, 31-34	0.2	0
26	$\{10\bar{1}0\}$ twins in the rolled Mg ₉₂ Ni ₈ alloy with high formability. <i>Journal of Materials Research</i> , 2014 , 29, 3024-3031	2.5	12
25	Atomic simulations of (101 $\bar{2}$), (101 $\bar{1}$) twinning and (101 $\bar{2}$) detwinning in magnesium. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 015003	1.8	5
24	Interactions of a screw dislocation with a {101 $\bar{1}$ } $\bar{1}$ 02} double twin in Mg. <i>Acta Materialia</i> , 2013 , 61, 4714-4825	2.5	18
23	Effects of initial microstructure on the microstructural evolution and stretch formability of warm rolled Mg ₉₂ Al ₈ Zn alloy sheets. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 587, 150-160	5.3	23
22	First-principles study in Fe grain boundary with Al segregation: variation in electronic structures with straining. <i>Philosophical Magazine</i> , 2013 , 93, 635-647	1.6	13
21	Softening due to disordered grain boundaries in nanocrystalline Co. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 345702	1.8	2
20	Atomic simulations of GB sliding in pure and segregated bicrystals. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1515, 1		1
19	Hydrogen embrittlement in a magnesium grain boundary: a first-principles study. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 085701	1.8	8
18	Grain boundary sliding in pure and segregated bicrystals: a molecular dynamics and first principles study. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 265703	1.8	1
17	Enhanced grain boundary embrittlement of an Fe grain boundary segregated by hydrogen (H). <i>Journal of Materials Research</i> , 2012 , 27, 1589-1597	2.5	7
16	First-Principles Study on Enhanced Grain Boundary Embrittlement of Iron by Phosphorus Segregation. <i>Materials Transactions</i> , 2011 , 52, 1369-1373	1.3	11
15	Grain Boundary Embrittlement of Fe Induced by P Segregation: First-Principles Tensile Tests. <i>Advanced Materials Research</i> , 2011 , 409, 455-460	0.5	4
14	Effects of segregated Cu on an Fe grain boundary by first-principles tensile tests. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 505705	1.8	27
13	Bond mobility mechanism in grain boundary embrittlement: First-principles tensile tests of Fe with a P-segregated \bar{B} grain boundary. <i>Physical Review B</i> , 2010 , 82,	3.3	39
12	Deformation behavior of an ultrafine grained two phase Co ₉₀ Cu alloy processed by electrodeposition. <i>Scripta Materialia</i> , 2010 , 63, 132-135	5.6	11
11	Atomic simulation of grain boundary sliding in Co/Cu two-phase bicrystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2629-2636	5.3	11
10	Atomic simulations of dislocation emission from Cu/Cu and Co/Cu grain boundaries. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 528, 260-267	5.3	11

9	Development of Nanocrystalline CoCu Alloys for Energy Applications. <i>Green Energy and Technology</i> , 2010 , 191-194	0.6	
8	Saturation magnetization in supersaturated solid solution of CoCu alloy. <i>Applied Physics Letters</i> , 2009 , 95, 162502	3.4	8
7	Deformation behavior of nanocrystalline Co-Cu alloys. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1224, 1		
6	Changes in the grain boundaries of a nanolamellar structured CoCu alloy by annealing. <i>Scripta Materialia</i> , 2009 , 61, 371-374	5.6	5
5	Effect of Annealing on Mechanical Properties and Nanoscale Lamellar Structure in Co-Cu Alloy. <i>Materials Transactions</i> , 2009 , 50, 570-578	1.3	3
4	Ferromagnetic Properties of Co-Cu Alloy with Nanoscale Lamellar Structure. <i>Materials Transactions</i> , 2009 , 50, 419-422	1.3	9
3	Mechanical properties of a nanocrystalline CoCu alloy with a high-density fine nanoscale lamellar structure. <i>Scripta Materialia</i> , 2008 , 58, 731-734	5.6	28
2	A superelastic nanocrystalline CuSn alloy thin film processed by electroplating. <i>Materials Letters</i> , 2008 , 62, 4473-4475	3.3	4
1	Effects of Vacancies on Deformation Behavior in Nanocrystalline Nickel. <i>Materials Transactions</i> , 2008 , 49, 2315-2321	1.3	9