

Maxim Yu Murashkin

List of Publications by Citations

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papers

819
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h-index

28
g-index

41
ext. papers



969
ext. citations

2.8
avg, IF

4.15
L-index

#	Paper	IF	Citations
40	Nanostructure and related mechanical properties of an AlMgSi alloy processed by severe plastic deformation. <i>Philosophical Magazine Letters</i> , 2008 , 88, 459-466	1	126
39	Unusual super-ductility at room temperature in an ultrafine-grained aluminum alloy. <i>Journal of Materials Science</i> , 2010 , 45, 4718-4724	4.3	102
38	Ultrafine Grained Structures Resulting from SPD-Induced Phase Transformation in AlZn Alloys. <i>Advanced Engineering Materials</i> , 2015 , 17, 1821-1827	3.5	69
37	Grain Boundary Segregation in UFG Alloys Processed by Severe Plastic Deformation. <i>Advanced Engineering Materials</i> , 2012 , 14, 968-974	3.5	68
36	Grain Refinement and Mechanical Behavior of the Al Alloy, Subjected to the New SPD Technique. <i>Materials Transactions</i> , 2009 , 50, 87-91	1.3	53
35	Effect of Mg on microstructure and mechanical properties of Al-Mg alloys produced by high pressure torsion. <i>Scripta Materialia</i> , 2019 , 159, 137-141	5.6	53
34	Grain refinement in nanostructured AlMg alloys subjected to high pressure torsion. <i>Journal of Materials Science</i> , 2010 , 45, 4659-4664	4.3	49
33	Enhanced Mechanical Properties and Electrical Conductivity in Ultrafine-Grained Al 6101 Alloy Processed via ECAP-Conform. <i>Metals</i> , 2015 , 5, 2148-2164	2.3	35
32	Structural characterization by high-resolution electron microscopy of an AlMg alloy processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 503, 122-125	5.3	33
31	Structure and mechanical properties of nanostructured AlMg alloys processed by severe plastic deformation. <i>Journal of Materials Science</i> , 2013 , 48, 4681-4688	4.3	30
30	Fatigue Behavior of an Ultrafine-Grained Al-Mg-Si Alloy Processed by High-Pressure Torsion. <i>Metals</i> , 2015 , 5, 578-590	2.3	22
29	Developing age-hardenable Al-Zr alloy by ultra-severe plastic deformation: Significance of supersaturation, segregation and precipitation on hardening and electrical conductivity. <i>Acta Materialia</i> , 2021 , 203, 116503	8.4	22
28	Enhanced Ductility in Ultrafine-Grained Al Alloys Produced by SPD Techniques. <i>Materials Science Forum</i> , 2009 , 633-634, 321-332	0.4	17
27	Special nanostructures in Al-Mg alloys subjected to high pressure torsion. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 2051-2056	3.3	15
26	Examination of inverse Hall-Petch relation in nanostructured aluminum alloys by ultra-severe plastic deformation. <i>Journal of Materials Science and Technology</i> , 2021 , 91, 78-89	9.1	14
25	Strength of Commercial Aluminum Alloys after Equal Channel Angular Pressing and Post-ECAP Processing. <i>Solid State Phenomena</i> , 2006 , 114, 91-96	0.4	11
24	Deformation defects and electron irradiation effect in nanostructured AlMg alloy processed by severe plastic deformation. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 1810-1816	3.3	10

23	Grain Boundaries and Mechanical Properties of Ultrafine-Grained Metals. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 816-822	2.3	10
22	Nanostructures and Microhardness in Al and AlMg Alloys Subjected to SPD. <i>Materials Science Forum</i> , 2008 , 604-605, 179-185	0.4	10
21	Fatigue Properties of Ultra-Fine Grained Al-Mg-Si Wires with Enhanced Mechanical Strength and Electrical Conductivity. <i>Metals</i> , 2018 , 8, 1034	2.3	10
20	Deformation Twins and Stacking Faults in an AA5182 Al-Mg Alloy Processed by High Pressure Torsion. <i>Materials Science Forum</i> , 2008 , 579, 147-154	0.4	9
19	Evolution of microstructure and hardness during artificial aging of an ultrafine-grained Al-Zn-Mg-Zr alloy processed by high pressure torsion. <i>Journal of Materials Science</i> , 2020 , 55, 16791-16805	4.3	9
18	Structure and Properties of Al0.6wt.%Zr Wire Alloy Manufactured by Direct Drawing of Electromagnetically Cast Wire Rod. <i>Metals</i> , 2020 , 10, 769	2.3	7
17	Grain Boundary Structure and Deformation Defects in Nanostructured AlMg Alloys Processed by High Pressure Torsion. <i>Materials Science Forum</i> , 2008 , 584-586, 528-534	0.4	7
16	Structure and Properties of Ca and Zr Containing Heat Resistant Wire Aluminum Alloy Manufactured by Electromagnetic Casting. <i>Metals</i> , 2021 , 11, 236	2.3	7
15	Characterizing Microstructural and Mechanical Properties of AlZn Alloys Processed by High-Pressure Torsion. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900672	3.5	5
14	About Formability of Ultra-Fine Grained Metallic Materials. <i>Materials Science Forum</i> , 2016 , 838-839, 476-481	0.4	4
13	Superplasticity and High Strength in AlZnMgZr Alloy with Ultrafine Grains. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900555	3.5	4
12	Influence of Morphology of Intermetallic Particles on the Microstructure and Properties Evolution in Severely Deformed Al-Fe Alloys. <i>Metals</i> , 2021 , 11, 815	2.3	2
11	Enhancement of Mechanical and Electrical Properties in Al 6101 Alloy by Severe Shear Strain under Hydrostatic Pressure. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800695	3.5	2
10	Ultralow-temperature superplasticity and its novel mechanism in ultrafine-grained Al alloys. <i>Materials Research Letters</i> , 2021 , 9, 475-482	7.4	2
9	SPD-Induced Grain Boundary Segregations and Superior Strength in UFG Al Alloys. <i>Materials Science Forum</i> , 2010 , 667-669, 665-669	0.4	1
8	The research of finely dispersed iron powder moistening applying the pHmetry method. <i>MATEC Web of Conferences</i> , 2016 , 85, 01026	0.3	1
7	Obtaining a Homogeneous Fe-C Nanostructure from a Ferritic-Pearlitic Dual-Phase Steel by High Pressure Torsion. <i>Materials Science Forum</i> , 2010 , 667-669, 199-204	0.4	0
6	Structure and Hardness of Cryorolled and Heat-Treated 2xxx Aluminum Alloy. <i>Materials Science Forum</i> , 2010 , 667-669, 925-930	0.4	0

- 5 Influence of deformation at elevated temperatures on stability of microstructure and mechanical properties of UFG aluminum alloy. *Materials Letters*, **2021**, 301, 130328 3.3 0
- 4 Superior Mechanical Properties of Nanostructured Light Metallic Materials and Their Innovation Potential **2015**, 17-33
- 3 INFLUENCE OF IRON CONTENT ON STRENGTH AND ELECTRICAL CONDUCTIVITY OF AL-FE SYSTEM ALLOYS SUBJECTED TO SPD **2021**, 25, 3-9
- 2   *Nanoindustry Russia*, **2021**, 14, 150-158 1.6
- 1 Low temperature super ductility and threshold stress of an ultrafine-grained Al₇₀Zn₁₀Mg₁₀Zr alloy processed by equal-channel angular pressing. *Journal of Materials Science*, **2021**, 56, 19244 4.3