

Nariman A Enikeev

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5986270/nariman-a-enikeev-publications-by-year.pdf>

Version: 2024-04-27

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.

81
papers

1,849
citations

22
h-index

41
g-index

85
ext. papers

2,270
ext. citations

3.5
avg, IF

4.87
L-index

#	Paper	IF	Citations
81	Room-temperature-deformation-induced chemical short-range ordering in a supersaturated ultrafine-grained Al-Zn alloy. <i>Scripta Materialia</i> , 2022 , 210, 114423	5.6	0
80	Nanomaterials by severe plastic deformation: review of historical developments and recent advances. <i>Materials Research Letters</i> , 2022 , 10, 163-256	7.4	26
79	Cryogenic Impact Toughness of a Work Hardened Austenitic Stainless Steel. <i>Materialia</i> , 2022 , 101460	3.2	
78	Towards superstrength of nanostructured metals and alloys, produced by SPD. <i>Metallic Materials</i> , 2021 , 49, 1-9	1.3	3
77	Tailoring Extra-Strength of a TWIP Steel by Combination of Multi-Pass Equal-Channel Angular Pressing and Warm Rolling. <i>Metals</i> , 2021 , 11, 518	2.3	5
76	Post-treatment of additively manufactured FeCrNi stainless steels by high pressure torsion: TRIP effect. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 811, 141086	5.3	12
75	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
74	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
73	The effect of neutron irradiation on the impact toughness of austenitic stainless steel in ultrafine-grained state. <i>Journal of Nuclear Materials</i> , 2021 , 544, 152680	3.3	2
72	Influence of strain rate and Sn in solid solution on the grain refinement and crystalline defect density in severely deformed Cu. <i>Materials Today Communications</i> , 2021 , 26, 101746	2.5	0
71	Stability of the Ultrafine-Grained Structure of Austenitic Corrosion-Resistant Steels during Annealing. <i>Physics of Metals and Metallography</i> , 2021 , 122, 775-781	1.2	
70	Plasticity of an extra-strong nanocrystalline stainless steel controlled by the Dislocation-segregationInteraction. <i>Materials Letters</i> , 2021 , 301, 130235	3.3	2
69	Microstructural evolution and mechanical properties of nanocrystalline FeMnAlTi steel processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 827, 142073	5.3	1
68	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
67	Ultrafine-grained Al-Cu-Zr alloy with high-strength and enhanced plasticity. <i>Materials Letters</i> , 2021 , 303, 130490	3.3	0
66	Influence of Deformation Temperature on the Effect of High Plasticity Implementation in Ultrafine-Grained Al _{0.5} Cu Alloy. <i>Physics of the Solid State</i> , 2021 , 63, 1730-1738	0.8	
65	Peculiarities of Strengthening of AlCuZr Alloy Structured by Severe Plastic Deformation. <i>Physics of the Solid State</i> , 2021 , 63, 1744-1756	0.8	2

64	Microstructural Changes and Strengthening of Austenitic Stainless Steels during Rolling at 473 K. <i>Metals</i> , 2020 , 10, 1614	2.3	9
63	Nanostructured FeCrW Steel Exhibits Enhanced Resistance to Self-Ion Irradiation. <i>Advanced Engineering Materials</i> , 2020 , 22, 1901333	3.5	1
62	Influence of fine scale features on room temperature superplastic behaviour of an ultrafine-grained Al-30Zn alloy. <i>Materials Letters</i> , 2019 , 254, 329-331	3.3	2
61	Effect of the eutectic Al-(Ce,La) phase morphology on microstructure, mechanical properties, electrical conductivity and heat resistance of Al-4.5(Ce,La) alloy after SPD and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2019 , 796, 321-330	5.7	20
60	Strength enhancement induced by grain boundary solute segregations in ultrafine-grained alloys. <i>International Journal of Plasticity</i> , 2019 , 123, 133-144	7.6	12
59	Radiation Tolerance of Ultrafine-Grained Materials Fabricated by Severe Plastic Deformation. <i>Materials Transactions</i> , 2019 , 60, 1723-1731	1.3	7
58	Annealing behavior of severely-deformed titanium Grade 4. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 742, 89-101	5.3	13
57	Enhancement of mechanical and electrical properties of Al-RE alloys by optimizing rare-earth concentration and thermo-mechanical treatment. <i>Journal of Alloys and Compounds</i> , 2018 , 745, 696-704	5.7	35
56	Superior Strength and Multiple Strengthening Mechanisms in Nanocrystalline TWIP Steel. <i>Scientific Reports</i> , 2018 , 8, 11200	4.9	32
55	Peculiarities of Interactions of Alloying Elements with Grain Boundaries and the Formation of Segregations in AlMg and AlZn Alloys. <i>Physics of Metals and Metallography</i> , 2018 , 119, 607-612	1.2	7
54	Stability of the structure and properties of an ultrafine-grained Cr-Ni steel irradiated with neutrons in nuclear reactor core conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 712, 365-372	5.3	9
53	Optimization of Strength-Electrical Conductivity Properties in AlFe Alloy by Severe Plastic Deformation and Heat Treatment. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700867	3.5	13
52	Tuning the Structure and the Mechanical Properties of Ultrafine Grain AlZn Alloys by Short Time Annealing. <i>Reviews on Advanced Materials Science</i> , 2018 , 55, 61-68	4.8	6
51	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
50	The effect of tungsten on microstructure and mechanical performance of an ultrafine Fe-Cr steel. <i>Materials Letters</i> , 2018 , 227, 292-295	3.3	8
49	Effect of self-ion irradiation on the microstructural changes of alloy EK-181 in annealed and severely deformed conditions. <i>Journal of Nuclear Materials</i> , 2017 , 487, 96-104	3.3	24
48	Annealing behavior of a 304L stainless steel processed by large strain cold and warm rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 689, 370-383	5.3	48
47	Deformation of nanocrystalline binary aluminum alloys with segregation of Mg, Co and Ti at grain boundaries. <i>Physics of Metals and Metallography</i> , 2017 , 118, 65-74	1.2	6

46	Mechanisms of precipitation induced by large strains in the Al-Cu system. <i>Journal of Alloys and Compounds</i> , 2017 , 710, 736-747	5.7	28
45	Impact of the nanostructuring on the corrosion resistance and hardness of irradiated 316 austenitic stainless steels. <i>Applied Surface Science</i> , 2017 , 392, 1026-1035	6.7	29
44	Effect of initial grain size on the microstructure and mechanical properties of high-pressure torsion processed twinning-induced plasticity steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 682, 164-167	5.3	15
43	Effect of combined loading on the microstructure and microhardness of austenitic steel. <i>Letters on Materials</i> , 2017 , 7, 29-33	0.9	3
42	Submicrocrystalline Austenitic Stainless Steel Processed by Cold or Warm High Pressure Torsion. <i>Materials Science Forum</i> , 2016 , 838-839, 398-403	0.4	10
41	Formation of fully austenitic ultrafine-grained high strength state in metastable CrNiTi stainless steel by severe plastic deformation. <i>Materials Letters</i> , 2016 , 166, 276-279	3.3	22
40	Mechanical and electrical properties of an ultrafine grained Al8.5 wt. % RE (RE = 5.4 wt.% Ce, 3.1 wt.% La) alloy processed by severe plastic deformation. <i>Materials and Design</i> , 2016 , 90, 433-442	8.1	77
39	Structural and phase transformation in a TWIP steel subjected to high pressure torsion. <i>Materials Letters</i> , 2016 , 166, 321-324	3.3	20
38	Superior Strength of Austenitic Steel Produced by Combined Processing, including Equal-Channel Angular Pressing and Rolling. <i>Metals</i> , 2016 , 6, 310	2.3	16
37	Contribution of grain boundary related strain accommodation to deformation of ultrafine-grained palladium. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 668, 255-262	5.3	7
36	Optimization of electrical conductivity and strength combination by structure design at the nanoscale in AlMgBi alloys. <i>Acta Materialia</i> , 2015 , 98, 355-366	8.4	138
35	Bulk Nanostructured Materials with Multifunctional Properties. <i>SpringerBriefs in Materials</i> , 2015 ,	0.5	27
34	Surface modification of low activation ferritic-martensitic steel EK-181 (Rusfer) by high temperature pulsed plasma flows. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015 , 365, 218-221	1.2	5
33	Superior Mechanical Properties of Nanostructured Light Metallic Materials and Their Innovation Potential 2015 , 17-33		
32	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
31	Effect of neutron irradiation on the microstructure and the mechanical and corrosion properties of the ultrafine-grained stainless CrNi steel. <i>Physics of Metals and Metallography</i> , 2015 , 116, 1270-1278	1.2	10
30	Atomic-scale analysis of the segregation and precipitation mechanisms in a severely deformed AlMg alloy. <i>Acta Materialia</i> , 2014 , 72, 125-136	8.4	166
29	Nanostructured titanium-based materials for medical implants: Modeling and development. <i>Materials Science and Engineering Reports</i> , 2014 , 81, 1-19	30.9	166

28	Grain boundary segregation induced strengthening of an ultrafine-grained austenitic stainless steel. <i>Materials Letters</i> , 2014 , 136, 349-352	3.3	89
27	Irradiation resistance of a nanostructured 316 austenitic stainless steel. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012121	0.4	11
26	High strength state of UFG steel produced by severe plastic deformation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012127	0.4	2
25	Ultra-fine grained Al-Mg alloys with superior strength via physical simulation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2014 , 63, 012042	0.4	2
24	Evolution of microstructure, macrotexture and mechanical properties of commercially pure Ti during ECAP-conform processing and drawing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 562, 128-136	5.3	128
23	X-Ray Analysis of SPD Nanostructured Materials 2013 , 623-632		
22	Biaxial Deformation Behavior and Enhanced Formability of Ultrafine-Grained Pure Copper. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013 , 44, 2399-2408	2.3	18
21	Superstrength of nanostructured metals and alloys produced by severe plastic deformation. <i>Physics of Metals and Metallography</i> , 2012 , 113, 1193-1201	1.2	19
20	Using intensive plastic deformations for manufacturing bulk nanostructure metallic materials. <i>Mechanics of Solids</i> , 2012 , 47, 463-474	0.5	4
19	Grain Boundary Segregation in UFG Alloys Processed by Severe Plastic Deformation. <i>Advanced Engineering Materials</i> , 2012 , 14, 968-974	3.5	68
18	Superstrength of nanostructured alloys produced by SPD processing. <i>Journal of Physics: Conference Series</i> , 2011 , 291, 012029	0.3	3
17	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
16	Superstrength of ultrafine-grained aluminum alloys produced by severe plastic deformation. <i>Doklady Physics</i> , 2010 , 55, 267-270	0.8	26
15	On the origin of the extremely high strength of ultrafine-grained Al alloys produced by severe plastic deformation. <i>Scripta Materialia</i> , 2010 , 63, 949-952	5.6	223
14	Observations of Texture in Large Scale HPT-Processed Cu. <i>Materials Science Forum</i> , 2008 , 584-586, 367-374	3.4	8
13	Three-dimensional numerical simulations of multi-pass equal-channel angular pressing by a variation difference method and comparison with experiment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 493, 148-159	5.3	8
12	Kinetic dislocation model of microstructure evolution during severe plastic deformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 460-461, 619-623	5.3	26
11	Low-temperature plasticity in nanocrystalline titanium and copper. <i>Physics of the Solid State</i> , 2007 , 49, 678-683	0.8	6

10	Modelling grain refinement in fcc metals during equal-channel angular pressing by route $\alpha\alpha$ <i>International Journal of Materials Research</i> , 2007 , 98, 167-171	0.5	15
9	Analysis of substructure evolution during simple shear of polycrystals by means of a combined viscoplastic self-consistent and disclination modeling approach. <i>Acta Materialia</i> , 2006 , 54, 985-995	8.4	31
8	Modeling of Grain Subdivision during Severe Plastic Deformation by VPSC Method Combined with Disclination Analysis 2006 , 61-66		1
7	Deformation Behaviour of ECAP Cu as Described by a Dislocation-Based Model 2005 , 245-250		
6	Grain size refinement due to relaxation of disclination junction configurations in the course of plastic deformation of polycrystals. <i>Physics of the Solid State</i> , 2005 , 47, 845	0.8	13
5	A mechanism of grain nucleation during relaxation of the latent energy of junction disclinations in the course of plastic deformation. <i>Technical Physics Letters</i> , 2005 , 31, 1015-1018	0.7	6
4	A Physical Criterion for the Grain Subdivision during SPD. <i>Solid State Phenomena</i> , 2005 , 101-102, 319-324	0.4	2
3	Computer Simulation for X-Ray Analysis of Nanostructured Cu Processed by Severe Plastic Deformation. <i>Materials Science Forum</i> , 2004 , 443-444, 99-102	0.4	
2	X-ray analysis and computer simulation for grain size determination in nanostructured materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000 , 286, 110-114	5.3	11
1	Investigation of Assemblies of Grain Boundary Dislocations in Nanostructured Copper by Computer Simulation. <i>Materials Science Forum</i> , 1998 , 294-296, 207-210	0.4	1