Margarita G Isaenkova

List of Publications by Year in Descending Order

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

86 papers	192 citations	7 h-index	11 g-index
108 ext. papers	234 ext. citations	0.5 avg, IF	2.49 L-index

#	Paper	IF	Citations
86	Effect of the Stressed State on the Phase Transformations in Zirconium-Based Alloys. *Russian Metallurgy (Metally)*, **2022**, 2022, 250-260	0.5	0
85	Influence of substructure inhomogeneity on the anisotropy of physical properties of textured materials. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1121, 012035	0.4	
84	Effect of the Crystallographic Texture in the β Phase on the Anisotropy of the Properties of Pseudo-α and (α + β) Titanium Alloy Sheets. *Russian Metallurgy (Metally)*, **2021**, 2021, 430-436	0.5	1
83	Regularities of Thermal Expansion of Cladding Tubes and Rods Made of E110opt Alloy within the Temperature Range of 273–1473 K (20–1200°C). *Inorganic Materials: Applied Research*, **2021**, 12, 820-830	0.6	2
82	The Chemical and Mineral Composition of Particles Precipitated from a Plasma Dust Layer on the Porthole of the Descend Space Vehicles during The Passage of the Earth's Atmosphere. *Geochemistry International*, **2021**, 59, 107-112	0.8	
81	Regularities of Crystallographic Texture Formation in Products Obtained by Selective Laser Powder Melting. *IOP Conference Series: Materials Science and Engineering*, **2021**, 1121, 012048	0.4	
80	Regularities of Formation of Lattice Structures Fabricated by Selective Laser Melting of Powdered 03Kh16N15M3 Steel. *Inorganic Materials: Applied Research*, **2020**, 11, 692-698	0.6	1
79	Study of substructural heterogeneity of textured materials by the X-ray method of generalized direct pole figures. *Zavodskaya Laboratoriya Diagnostika Materialov*, **2020**, 86, 22-30	0.3	
78	Recrystallization of cladding tubes from Zr-based alloys for nuclear reactors. *Journal of Physics: Conference Series*, **2019**, 1270, 012041	0.3	
77	Nonuniformity of the Crystallographic Texture and the Mechanical Properties of the Austenitic Steel 316L Plates Formed by Selective Laser Melting of a Powder. *Russian Metallurgy (Metally)*, **2019**, 2019, 42-47	0.5	3
76	Simulation of the Stamping of Spacing Grid Cells Made of Thin-Walled Zirconium Tubes. *Russian Metallurgy (Metally)*, **2019**, 2019, 415-420	0.5	
75	Formation of Residual Stresses in the Surface Layers of Titanium Alloy Targets Irradiated with High-Current Pulsed Electron Beams. *Inorganic Materials: Applied Research*, **2019**, 10, 529-531	0.6	4
74	Features of nanostructure and functional properties formation in Ti-Ni shape memory alloys subjected to quasi-continuous equal channel angular pressing. *IOP Conference Series: Materials Science and Engineering*, **2019**, 503, 012024	0.4	4
73	Effect of Synthesis Conditions on the Structure and Phase Composition of Magnesium Diboride. *Inorganic Materials: Applied Research*, **2019**, 10, 162-167	0.6	2
72	Anisotropy of the mechanical properties of austenitic steel products obtained by selective laser melting. *CIS Iron and Steel Review*, **2019**, 64-68	2.4	4
71	Spark-Plasma Sintering of Al2O3–Graphene Nanocomposite. *Inorganic Materials: Applied Research*, **2018**, 9, 498-503	0.6	2
70	Formation of crystallographic texture in samples with different geometry from VT1-0 alloy, obtained by selective laser melting powder method. *Tsvetnye Metally*, **2018**, 69-74	2.1	3

69	Effect of Layer-by-Layer Texture Inhomogeneity on the Mechanical Properties of Hot-Rolled Steel Sheets. *Russian Metallurgy (Metally)*, **2018**, 2018, 1027-1034	0.5	1
68	Consolidation of Transparent ALON by Spark Plasma Sintering Methods. *IOP Conference Series: Materials Science and Engineering*, **2017**, 218, 012015	0.4	
67	Crystal plasticity simulation of Zirconium tube rolling using multi-grain representative volume element **2017**,		2
66	Finite element simulation of microindentation. *Russian Metallurgy (Metally)*, **2017**, 2017, 390-396	0.5	4
65	Texture formation in the surface layer of VT6 alloy targets irradiated by intense pulsed electron beams. *Inorganic Materials: Applied Research*, **2017**, 8, 387-391	0.6	7
64	On Morphological and Microstructural Changes in Uranium Dioxide Powder during Binder-Free Hot Pressing. *Defect and Diffusion Forum*, **2017**, 375, 114-122	0.7	1
63	Thermo-mechanical finite element modeling of shape memory materials microindentation. *IOP Conference Series: Materials Science and Engineering*, **2016**, 130, 012054	0.4	
62	Optimization of the procedure for determining integral texture parameters of products from zirconium-based alloys using the orientation distribution function. *IOP Conference Series: Materials Science and Engineering*, **2016**, 130, 012056	0.4	4
61	Separate Construction of Recrystallization Diagrams for Grains of Different Texture Components **2016**, 51-56		
60	Changes of Basal Normal Orientation During Recrystallization of Sheets and Tubes from Zr-Based Alloys **2016**, 293-298		
59	Effect of Layer-by-Layer Texture Inhomogeneity on the Stress Corrosion of Gas Steel Tubes. *Materials Science Forum*, **2016**, 879, 1025-1030	0.4	3
58	Determination of mechanical properties from depth-sensing indentation data and results of finite element modeling. *IOP Conference Series: Materials Science and Engineering*, **2016**, 130, 012053	0.4	
57	The Effect of High-Doze Neutron Irradiation on Texture and Substructure Condition of Cladding Tubes from Zr-Based Alloys. *Materials Science Forum*, **2016**, 879, 1483-1488	0.4	2
56	Superelasticity of Ti-Nb-Zr Alloys and their Medical Application. *Materials Science Forum*, **2016**, 879, 2561-2566	0.4	1
55	Effect of layerwise structural inhomogeneity on stress- corrosion cracking of steel tubes. *IOP Conference Series: Materials Science and Engineering*, **2016**, 130, 012009	0.4	
54	Mechanisms of the texture influence on the corrosion behavior of Zr-alloy cladding tubes. *Inorganic Materials: Applied Research*, **2015**, 6, 259-266	0.6	4
53	Regularities of recrystallization of rolled single crystals and polycrystals of zirconium and alloy Zr-1% Nb. *Physics of Metals and Metallography*, **2014**, 115, 756-764	1.2	9
52	Distribution of Residual Deformation Effects in Shell Tubes from Ferritic-Martensitic Steels. *Advanced Materials Research*, **2014**, 996, 124-127	0.5	

51	Influence of Interlayer Macrostress on Oxidation of Shell Tubes from Zr-Based Alloys. *Advanced Materials Research*, **2014**, 996, 902-905	0.5	
50	The Role of Residual Elastic Stress in Shrinkage of Cold-Pressed and Sintered Fuel Tablets. *Advanced Materials Research*, **2014**, 996, 701-706	0.5	1
49	Modification of the structural-phase state of ferritic-martensitic steels by pulsed gas plasma flows. *Inorganic Materials: Applied Research*, **2013**, 4, 376-384	0.6	3
48	Formation of crystallographic texture in titanium nickelide single crystals during rolling. *Russian Metallurgy (Metally)*, **2013**, 2013, 300-303	0.5	1
47	Recrystallization of BCC Metals: Distribution of Strain Hardening and Texture Formation. *Materials Science Forum*, **2013**, 753, 534-537	0.4	2
46	Recrystallization of Cold-Rolled Zr Single Crystals. *Materials Science Forum*, **2013**, 753, 275-278	0.4	2
45	Twinning in Ti-48%Ni-2%Fe Single Crystals under Rolling. *Materials Science Forum*, **2013**, 738-739, 118-122	0.4	
44	Distribution of Residual Elastic Microstress in Rolled Ti-Ni Single Crystals. *Materials Science Forum*, **2013**, 738-739, 92-96	0.4	
43	Estimation of Input to Plastic Deformation of Non-Crystallographic Intergranular Slip. *Materials Science Forum*, **2012**, 735, 49-54	0.4	
42	Texture Evidences of Interaction between Plastic Deformation and Phase Transformations in Zr-Based Alloys. *Materials Science Forum*, **2011**, 702-703, 283-286	0.4	1
41	Variants of Texture Formation by Rolling of Ti-Ni Single Crystals with Shape Memory Properties. *Materials Science Forum*, **2011**, 702-703, 900-903	0.4	
40	Texture Formation in □Zr of Zr-1%Nb Alloy under Radial Forging. *Materials Science Forum*, **2011**, 702-703, 842-845	0.4	
39	Non-Uniform Strain Hardening of Crystallites within Different Regions of Texture Maxima: Evidences and Mechanisms. *Materials Science Forum*, **2011**, 702-703, 681-684	0.4	0
38	Evidence of Bulk Nanostructuring in Zr-Based Alloys under Deformation at Temperatures of □-□ Phase Transformations. *Materials Science Forum*, **2010**, 667-669, 629-634	0.4	
37	Determination of Grain Size for Different Texture Components by Statistical Fluctuations of Intensity, Registered in the Course of Texture Measurement. *Solid State Phenomena*, **2010**, 160, 135-140	0.4	6
36	Texture versus Residual Deformation Effects in Metal Materials: Principles of Experimental Approach and General Regularities. *Solid State Phenomena*, **2010**, 160, 31-38	0.4	1
35	Texture Development in Zr-Based Alloys by High-Temperature Forging as Indicator of Interaction between Plastic Deformation and □-□ Phase Transform Actions. *Solid State Phenomena*, **2010**, 160, 123-128	0.4	
34	Analysis of mechanisms of plastic deformation of aluminum-based alloys for different temperature□elocity modes. *Doklady Physics*, **2010**, 55, 64-67	0.8	2

33	The size effects in hardness of polycrystalline niobium. *Technical Physics Letters*, **2010**, 36, 369-370	0.7	4
32	Features of nanocrystallization in amorphous Ni44Fe29Co15B10Si2 ribbons under annealing. *Inorganic Materials: Applied Research*, **2010**, 1, 1-8	0.6	
31	Features of the Structure Development and the Deformation Process in Zr-Based Alloys under Radial Forging. *Materials Science Forum*, **2008**, 584-586, 338-342	0.4	1
30	Comparative Possibilities of Different X-Ray Methods by Study of SPD Metal Materials. *Materials Science Forum*, **2008**, 584-586, 197-202	0.4	2
29	Features of Texture and Structure Development in Zirconium under Equal Channel Angular Pressing. *Materials Science Forum*, **2006**, 503-504, 859-864	0.4	11
28	Formation of Texture and Structure in Rods of Copper and Titanium under Equal-Channel Angular Pressing. *Materials Science Forum*, **2006**, 503-504, 853-858	0.4	7
27	Mechanisms of plastic deformation of zirconium-based alloys upon uniaxial compression under different temperature-rate conditions. *Physics of Metals and Metallography*, **2006**, 102, 637-645	1.2	2
26	Regular Substructure Inhomogeneity of Textured Materials by the Example of Rolled Ti-Ni Single Crystals. *Solid State Phenomena*, **2005**, 105, 207-212	0.4	
25	Distribution of Dislocation Density in Tubes from Zr-Based Alloys by X-Ray Data. *Solid State Phenomena*, **2005**, 105, 89-94	0.4	2
24	New Principles of the Substructure Development in Metal Materials under Plastic Deformation, Revealed by Advanced X-Ray Methods. *Materials Science Forum*, **2004**, 443-444, 259-262	0.4	1
23	Distributions of Domain Size, Lattice Distortion and Dislocation Density in Tubes of Zr-Based Alloys Studied by a Method Combining X-Ray Line Profile Analysis with Texture Measurements. *Materials Science Forum*, **2004**, 443-444, 255-258	0.4	2
22	Use of Hafnium in Control Elements of Nuclear Reactors and Power Units. *Metal Science and Heat Treatment*, **2003**, 45, 300-303	0.6	13
21	Inhomogeneous Distribution of Dislocation Density as Manifestation of Multiscale Structure in Tubes from Zr - Based Alloys. *Materials Research Society Symposia Proceedings*, **2003**, 779, 5261		
20	Mesostructure of Textured Metal Materials: Experimental Study and New-Discovered Regularities. *Materials Research Society Symposia Proceedings*, **2003**, 779, 6111		
19	Texture Formation and Distribution of Residual Microstrains in Rolled Ti-48%Ni-2%Fe Single Crystals with Shape Memory Properties. *Materials Science Forum*, **2002**, 408-412, 1145-1150	0.4	1
18	Adaptation of the Warren Method to Determination of the Microstrain Distribution depending on Grain Orientation in Tubes of Zr-Based Alloys for Nuclear Industry. *Materials Science Forum*, **2002**, 404-407, 817-822	0.4	
17	Precipitation of reoriented hydrides and textural change of □irconium grains during delayed hydride cracking of Zr□.5%Nb pressure tube. *Journal of Nuclear Materials*, **2001**, 297, 292-302	3.3	30
16	The Fullest Description of the Structure of Textured Metal Materials with Generalized Pole Figures: the Example of Rolled Zr Alloys. *Materials Science Forum*, **2001**, 378-381, 180-185	0.4	9

15	General Newly-Discovered Regularities of Structure Inhomogeneity in Textured Metal Materials. *Materials Science Forum*, **2001**, 378-381, 174-179	0.4	
14	Distribution of Residual Microstresses in Rolled Textured Metal Materials. *Materials Science Forum*, **2000**, 347-349, 291-296	0.4	0
13	The Distribution of Elastic Deformation in Textured Materials as Revealed by Peak Position Pole Figures. *Materials Science Forum*, **1998**, 273-275, 655-666	0.4	3
12	Textural nonuniformity in sheets of Zr-2.5% Nb alloy. *Soviet Atomic Energy*, **1992**, 72, 183-187		1
11	Textural changes at the tip of a moving crack during fracture of sheet Zr-1% Nb alloy. *Atomic Energy*, **1992**, 73, 642-648	0.4	
10	Structure inhomogeneity of rolled zirconium. *Atomic Energy*, **1992**, 73, 716-722	0.4	
9	Texture changes in tubes made of Zr-2.5% Nb upon recrystallization. *Soviet Atomic Energy*, **1989**, 67, 811-816		4
8	Distinctive features of the change in the rolling texture of zirconium during recrystallization. *Soviet Atomic Energy*, **1988**, 65, 582-586		2
7	Homogeneity in zirconium fuel-pin cladding. *Soviet Atomic Energy*, **1988**, 64, 245-248		
6	Mechanism of superplasticity in N-1 zirconium alloy. *Soviet Atomic Energy*, **1987**, 63, 655-658		1
5	Texture changes in zirconium on transverse rolling. *Soviet Atomic Energy*, **1987**, 62, 204-207		3
4	Influence of texture on plastic tensile strain of rolled Zr-1% Nb alloy. *Soviet Atomic Energy*, **1982**, 52, 299-303		1
3	Separate Construction of Recrystallization Diagrams for Grains of Different Texture Components51-56		
2	Texture Aspects of Delayed Hydride Cracking in Products from Zr-Based Alloys. *Ceramic Transactions*,539-546	0.1	1
1	Three Laws of Substructure Anisotropy of Textured Metal Materials, Revealed by X-Ray Method of Generalized Pole Figures. *Ceramic Transactions*,189-195	0.1	4