

Alena Gornakova

List of Publications by Year in descending order

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papers

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27
times ranked

880
citing authors

#	ARTICLE	IF	CITATIONS
1	The β Transformation in Titanium-Cobalt Alloys under High-Pressure Torsion. <i>Metals</i> , 2018, 8, 1.	2.3	281
2	Review: grain boundary faceting"roughening phenomena. <i>Journal of Materials Science</i> , 2016, 51, 382-404.	3.7	97
3	Phase Transformations in Ti"Fe Alloys Induced by High"Pressure Torsion. <i>Advanced Engineering Materials</i> , 2015, 17, 1835-1841.	3.5	95
4	Grain Boundary Wetting by a Second Solid Phase in Ti-Fe Alloys. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 4989-4992.	2.5	87
5	Grain Boundary Wetting by a Second Solid Phase in the Zr-Nb Alloys. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 721-724.	2.5	82
6	Formation of the β Phase in the Titanium"Iron System under Shear Deformation. <i>JETP Letters</i> , 2020, 111, 568-574.	1.4	65
7	Growth of (β -Ti) grain-boundary layers in Ti"Co alloys. <i>Russian Journal of Non-Ferrous Metals</i> , 2016, 57, 703-709.	0.6	53
8	Formation regularities of grain-boundary interlayers of the β -Ti phase in binary titanium alloys. <i>Russian Journal of Non-Ferrous Metals</i> , 2016, 57, 229-235.	0.6	26
9	Structural and Mechanical Properties of Ti"Co Alloys Treated by High Pressure Torsion. <i>Materials</i> , 2019, 12, 426.	2.9	22
10	Effect of the wetting of grain boundaries on the formation of a solid solution in the Al-Zn system. <i>JETP Letters</i> , 2012, 96, 380-384.	1.4	20
11	Grain Boundary Wetting Phenomena in High Entropy Alloys Containing Nitrides, Carbides, Borides, Silicides, and Hydrogen: A Review. <i>Crystals</i> , 2021, 11, 1540.	2.2	13
12	Faceting"roughening of twin grain boundaries. <i>Journal of Materials Science</i> , 2012, 47, 1641-1646.	3.7	11
13	Reversible transformation of a grain-boundary facet into a rough-to-rough ridge in zinc. <i>Philosophical Magazine Letters</i> , 2008, 88, 27-36.	1.2	8
14	Influence of β -Stabilizers on the β -Ti"Ti"Ti Transformation in Ti-Based Alloys. <i>Processes</i> , 2020, 8, 1135.	2.8	7
15	Continuous and Discontinuous β -Ti Layers Between Grains of β (Ti,Co) Phase. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 1580-1584.	2.5	6
16	Omega Phase Formation in Ti"3wt.%Nb Alloy Induced by High-Pressure Torsion. <i>Materials</i> , 2021, 14, 2262.	2.9	6
17	Energetics of intergranular and interphase boundaries in Ti"6Al"4V alloy. <i>Journal of Materials Science</i> , 2020, 55, 9225-9236.	3.7	5
18	Solid-phase wetting at grain boundaries in the Zr-Nb system. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2012, 76, 102-105.	0.6	4

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19	Grain boundary ridges slow down grain boundary motion: In-situ observation. <i>Materials Letters</i> , 2014, 124, 24-27.	2.6	4
20	Î²-Ti-Based Alloys for Medical Applications. <i>Russian Journal of Non-Ferrous Metals</i> , 2021, 62, 54-63.	0.6	4
21	Grain boundary faceting-roughening in Zn. <i>Crystallography Reports</i> , 2009, 54, 1070-1078.	0.6	3
22	Formation and Thermal Stability of the Î³-Phase in Tiâ€“Nb and Tiâ€“Mo Alloys Subjected to HPT. <i>Materials</i> , 2022, 15, 4136.	2.9	2
23	Grain boundary wetting in the Al-Mg system and synthesis of magnesium diboride in contact with melt. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2009, 73, 1199-1201.	0.6	1
24	Crystallochemiluminescence of solutions. <i>Crystallography Reports</i> , 2014, 59, 758-761.	0.6	1
25	Hysteresis of the Grain-Boundary Mobility during Grain-Boundary Phase Transitions. <i>Russian Metallurgy (Metally)</i> , 2020, 2020, 1050-1054.	0.5	1
26	Î²-Ti-based alloys for medical applications. <i>Russian Journal of Non-Ferrous Metals</i> , 2020, , 52-64.	0.1	1
27	Phase Transformations and Mechanical Properties of Two-Component Titanium Alloys after Heat Treatment in the Two-Phase Region (Î± + Intermetallic Compound) and High-Pressure Torsion. <i>Journal of Surface Investigation</i> , 2021, 15, 1154-1158.	0.5	1