Alena Gornakova

List of Publications by Year
in descending order

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27 papers	906 citations	840776 11 h-index	526287 27 g-index
27 all docs	27 docs citations	27 times ranked	880 citing authors

#	Article	IF	Citations
1	Formation and Thermal Stability of the Ï‰-Phase in Tiâ€“Nb and Tiâ€“Mo Alloys Subjected to HPT. Materials, 2022, 15, 4136.	2.9	2
2	Î²-Ti-Based Alloys for Medical Applications. Russian Journal of Non-Ferrous Metals, 2021, 62, 54-63.	0.6	4
3	Omega Phase Formation in Tiâ€“3wt.%Nb Alloy Induced by High-Pressure Torsion. Materials, 2021, 14, 2262.	2.9	6
4	Grain Boundary Wetting Phenomena in High Entropy Alloys Containing Nitrides, Carbides, Borides, Silicides, and Hydrogen: A Review. Crystals, 2021, 11, 1540.	2.2	13
5	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. Journal of Surface Investigation, 2021, 15, 1154-1158.	0.5	1
6	Influence of Î²-Stabilizers on the Î±-Tiâ†'Ï‰-Ti Transformation in Ti-Based Alloys. Processes, 2020, 8, 1135.	2.8	7
7	Hysteresis of the Grain-Boundary Mobility during Grain-Boundary Phase Transitions. Russian Metallurgy (Metally), 2020, 2020, 1050-1054.	0.5	1
8	Formation of the Ï‰ Phase in the Titaniumâ€”Iron System under Shear Deformation. JETP Letters, 2020, 111, 568-574.	1.4	65
9	Energetics of intergranular and interphase boundaries in Tiâ€“6Alâ€“4V alloy. Journal of Materials Science, 2020, 55, 9225-9236.	3.7	5
10	Î²-Ti-based alloys for medical applications. Russian Journal of Non-Ferrous Metals, 2020, , 52-64.	0.1	1
11	Structural and Mechanical Properties of Tiâ€“Co Alloys Treated by High Pressure Torsion. Materials, 2019, 12, 426.	2.9	22
12	Grain Boundary Wetting by a Second Solid Phase in Ti-Fe Alloys. Journal of Materials Engineering and Performance, 2018, 27, 4989-4992.	2.5	87
13	The Î± â†' Ï‰ Transformation in Titanium-Cobalt Alloys under High-Pressure Torsion. Metals, 2018, 8, 1.	2.3	281
14	Formation regularities of grain-boundary interlayers of the Î±-Ti phase in binary titanium alloys. Russian Journal of Non-Ferrous Metals, 2016, 57, 229-235.	0.6	26
15	Growth of (Î±Ti) grain-boundary layers in Tiâ€“Co alloys. Russian Journal of Non-Ferrous Metals, 2016, 57, 703-709.	0.6	53
16	Review: grain boundary facetingâ€“roughening phenomena. Journal of Materials Science, 2016, 51, 382-404.	3.7	97
17	Phase Transformations in Tiâ€“Fe Alloys Induced by Highâ€Pressure Torsion. Advanced Engineering Materials, 2015, 17, 1835-1841.	3.5	95
18	Continuous and Discontinuous Î±Ti Layers Between Grains of Î²(Ti,Co) Phase. Journal of Materials Engineering and Performance, 2014, 23, 1580-1584.	2.5	6

#	Article	IF	Citations
19	Grain boundary ridges slow dawn grain boundary motion: In-situ observation. Materials Letters, 2014, 124, 24-27.	2.6	4
20	Crystallochemiluminescence of solutions. Crystallography Reports, 2014, 59, 758-761.	0.6	1
21	Effect of the wetting of grain boundaries on the formation of a solid solution in the Al-Zn system. JETP Letters, 2012, 96, 380-384.	1.4	20
22	Solid-phase wetting at grain boundaries in the Zr-Nb system. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 102-105.	0.6	4
23	Grain Boundary Wetting by a Second Solid Phase in the Zr-Nb Alloys. Journal of Materials Engineering and Performance, 2012, 21, 721-724.	2.5	82
24	Facetingâ€“roughening of twin grain boundaries. Journal of Materials Science, 2012, 47, 1641-1646.	3.7	11
25	Grain boundary wetting in the Al-Mg system and synthesis of magnesium diboride in contact with melt. Bulletin of the Russian Academy of Sciences: Physics, 2009, 73, 1199-1201.	0.6	1
26	Grain boundary faceting-roughening in Zn. Crystallography Reports, 2009, 54, 1070-1078.	0.6	3
27	Reversible transformation of a grain-boundary facet into a rough-to-rough ridge in zinc. Philosophical Magazine Letters, 2008, 88, 27-36.	1.2	8