Nikolay Isaev

List of Publications by Year
in descending order

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34	225	1307366 7	1058333 14
papers	citations	h-index	g-index

34	34	34	170
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of microstructure on plastic deformation of Cu at low homologous temperatures. Acta Materialia, 2006, 54, 5581-5590.	3.8	68
2	Low-temperature plastic deformation of AZ31 magnesium alloy with different microstructures. Low Temperature Physics, 2010, 36, 1100-1106.	0.2	31
3	Low-temperature plastic strain of ultrafine-grain aluminum. Low Temperature Physics, 2008, 34, 665-671.	0.2	17
4	Plastic deformation mechanisms of ultrafine-grained copper in the temperature range of 4.2â€“300â€‰K. Low Temperature Physics, 2016, 42, 825-835.	0.2	12
5	Strain-rate sensitivity of the flow stress of ultrafine-grain aluminum at temperatures 4.2â€“295K. Low Temperature Physics, 2009, 35, 898-904.	0.2	10
6	Low-temperature plasticity of Pbâ€“Bi alloys: the role of thermal activation and inertial effects. Low Temperature Physics, 1998, 24, 593-601.	0.2	7
7	Microstructure and low-temperature plastic deformation of Alâ€“Li alloy. Low Temperature Physics, 2012, 38, 80-87.	0.2	7
8	Low Temperature Plasticity of Ultrafineâ€Grained AE42 and AZ31 Magnesium Alloys. Advanced Engineering Materials, 2013, 15, 352-357.	1.6	7
9	A low-temperature plasticity anomaly of concentrated fcc solid solutions: the Pbâ€“In system. Low Temperature Physics, 2005, 31, 898-906.	0.2	6
10	Unstable plastic deformation of ultrafine-grained copper at 0.5â€‰K. Low Temperature Physics, 2017, 43, 1420-1426.	0.2	6
11	Features of the microstructure and low-temperature yield stress of quenched Alâ€“Li alloys. Low Temperature Physics, 2000, 26, 529-533.	0.2	5
12	Strain hardening of metals and alloys in the superconducting state. Low Temperature Physics, 2004, 30, 82-86.	0.2	5
13	Jumplike deformation in normal and superconducting states: The solid solution Alâ€“Li. Low Temperature Physics, 2007, 33, 377-382.	0.2	5
14	Low Temperature Plasticity of an Ultrafineâ€Grained Alâ€“3Mg Alloy Prepared by Accumulative Roll Bonding. Advanced Engineering Materials, 2012, 14, 35-38.	1.6	5
15	Peculiarities of Plastic Deformation of SPD Al-Li Alloy at 0.5 K. Acta Physica Polonica A, 2015, 128, 536-540.	0.2	5
16	Features of the low-temperature plasticity of Pbâ€“In single crystals. Low Temperature Physics, 2002, 28, 369.	0.2	4
17	Localization of plastic deformation in ultra-fine grained Al and Alâ€“Li at temperatures of 4.2â€“350â€‰K. Low Temperature Physics, 2012, 38, 973-979.	0.2	4
18	Superconductivity and flow stress of Al - Li alloys near 1 K. Cryogenics, 1992, 32, 707-710.	0.9	3

#	Article	IF	Citations
19	Anomalous diamagnetism in aluminumâ€“lithium alloys. Low Temperature Physics, 2004, 30, 425-427.	0.2	3
20	The Effect of the Superconducting Transition on Plastic Deformation of Ultrafineâ€Grained Aluminum. Advanced Engineering Materials, 2009, 11, 9-15.	1.6	3
21	Discontinuous Flow of Fine Grained AZ31 at Extremely Low Temperature. Acta Physica Polonica A, 2018, 134, 662-666.	0.2	3
22	Empirical evaluation of electron and phonon drag coefficients for dislocations in Pb- and Al-based alloys. Low Temperature Physics, 1999, 25, 740-743.	0.2	2
23	Strain hardening and jump-like deformation of ultrafine polycrystalline Al-Li solid solutions at 0.5â€‰K. Low Temperature Physics, 2013, 39, 633-639.	0.2	2
24	About yield stress of Alï£¿Li alloys at 0.5 to 295 K. Physica Status Solidi A, 1996, 157, 249-254.	1.7	1
25	Effect of low temperatures on deformation localization in supersaturated Alâ€“Li alloys. Low Temperature Physics, 2001, 27, 974-977.	0.2	1
26	Effect of fine structure of Pb-In solid solutions on their deformation-induced strengthening at low temperatures. Physics of Metals and Metallography, 2007, 103, 205-212.	0.3	1
27	The plastic deformation of ultrafine grained aluminum at 0.52 K. Crystallography Reports, 2009, 54, 1043-1050.	0.1	1
28	Stress relaxation in ultrafine-grained copper at low homologous temperatures. Low Temperature Physics, 2018, 44, 1204-1210.	0.2	1
29	Effect of structure on low temperature plasticity and magnetic properties of ageing Pbï£¿Sb alloys belowTc. Crystal Research and Technology, 1990, 25, 567-577.	0.6	0
30	Structure evolution of Al-10.4 at.% Li alloy deformed at room and low temperatures. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c328-c328.	0.3	0
31	Strain hardening and jump-like deformation of microgranular magnesium alloy AZ31 at a temperature of 4.2â€‰K. Low Temperature Physics, 2019, 45, 1131-1136.	0.2	0
32	Structure and low temperature yield stress of quenched Al-Li alloys. Acta Crystallographica Section A: Foundations and Advances, 2000, 56, s425-s425.	0.3	0
33	Low temperature anomaly of plasticity and a local arrangement in Pb-In alloys. Acta Crystallographica Section A: Foundations and Advances, 2005, 61, c404-c404.	0.3	0
34	Low-temperature plasticity of magnesium alloy AZ31 with different microstructure. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C423-C424.	0.3	0