Nikolay Isaev

List of Publications by Citations

30 papers	186 citations	6 h-index	12 g-index
34 ext. papers	205 ext. citations	1.3 avg, IF	1.86 L-index

#	Paper	IF	Citations
30	Effect of microstructure on plastic deformation of Cu at low homologous temperatures. *Acta Materialia*, **2006**, 54, 5581-5590	8.4	54
29	Low-temperature plastic deformation of AZ31 magnesium alloy with different microstructures. *Low Temperature Physics*, **2010**, 36, 1100-1106	0.7	29
28	Low-temperature plastic strain of ultrafine-grain aluminum. *Low Temperature Physics*, **2008**, 34, 665-671	0.7	16
27	Plastic deformation mechanisms of ultrafine-grained copper in the temperature range of 4.2–300 K. *Low Temperature Physics*, **2016**, 42, 825-835	0.7	10
26	Low-temperature plasticity of Pb–Bi alloys: the role of thermal activation and inertial effects. *Low Temperature Physics*, **1998**, 24, 593-601	0.7	7
25	Microstructure and low-temperature plastic deformation of Al–Li alloy. *Low Temperature Physics*, **2012**, 38, 80-87	0.7	6
24	Strain-rate sensitivity of the flow stress of ultrafine-grain aluminum at temperatures 4.2–295K. *Low Temperature Physics*, **2009**, 35, 898-904	0.7	6
23	Low Temperature Plasticity of Ultrafine-Grained AE42 and AZ31 Magnesium Alloys. *Advanced Engineering Materials*, **2013**, 15, 352-357	3.5	5
22	Strain hardening of metals and alloys in the superconducting state. *Low Temperature Physics*, **2004**, 30, 82-86	0.7	5
21	A low-temperature plasticity anomaly of concentrated fcc solid solutions: the Pb–In system. *Low Temperature Physics*, **2005**, 31, 898-906	0.7	5
20	Low Temperature Plasticity of an Ultrafine-Grained Al–Mg Alloy Prepared by Accumulative Roll Bonding. *Advanced Engineering Materials*, **2012**, 14, 35-38	3.5	4
19	Localization of plastic deformation in ultra-fine grained Al and Al–Li at temperatures of 4.2–50 K. *Low Temperature Physics*, **2012**, 38, 973-979	0.7	4
18	Jumplike deformation in normal and superconducting states: The solid solution Al–Li. *Low Temperature Physics*, **2007**, 33, 377-382	0.7	4
17	Features of the low-temperature plasticity of Pb–In single crystals. *Low Temperature Physics*, **2002**, 28, 369	0.7	4
16	Features of the microstructure and low-temperature yield stress of quenched Al–Li alloys. *Low Temperature Physics*, **2000**, 26, 529-533	0.7	4
15	Unstable plastic deformation of ultrafine-grained copper at 0.5 K. *Low Temperature Physics*, **2017**, 43, 1420-1426	0.7	3
14	Anomalous diamagnetism in aluminum–lithium alloys. *Low Temperature Physics*, **2004**, 30, 425-427	0.7	3

13	Superconductivity and flow stress of Al - Li alloys near 1 K. *Cryogenics*, **1992**, 32, 707-710	1.8	3
12	Peculiarities of Plastic Deformation of SPD Al-Li Alloy at 0.5 K. *Acta Physica Polonica A*, **2015**, 128, 536-540	0.6	3
11	Strain hardening and jump-like deformation of ultrafine polycrystalline Al-Li solid solutions at 0.5 K. *Low Temperature Physics*, **2013**, 39, 633-639	0.7	2
10	Empirical evaluation of electron and phonon drag coefficients for dislocations in Pb- and Al-based alloys. *Low Temperature Physics*, **1999**, 25, 740-743	0.7	2
9	Discontinuous Flow of Fine Grained AZ31 at Extremely Low Temperature. *Acta Physica Polonica A*, **2018**, 134, 662-666	0.6	2
8	The plastic deformation of ultrafine grained aluminum at 0.52 K. *Crystallography Reports*, **2009**, 54, 1043-1050	0.6	1
7	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	1.2	1
6	Stress relaxation in ultrafine-grained copper at low homologous temperatures. *Low Temperature Physics*, **2018**, 44, 1204-1210	0.7	1
5	Strain hardening and jump-like deformation of microgranular magnesium alloy AZ31 at a temperature of 4.2 K. *Low Temperature Physics*, **2019**, 45, 1131-1136	0.7	
4	Effect of low temperatures on deformation localization in supersaturated Al□i alloys. *Low Temperature Physics*, **2001**, 27, 974-977	0.7	
3	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		
2	About yield stress of Al?Li alloys at 0.5 to 295 K. *Physica Status Solidi A*, **1996**, 157, 249-254		
1	Effect of structure on low temperature plasticity and magnetic properties of ageing Pb?Sb alloys below Tc. *Crystal Research and Technology*, **1990**, 25, 567-577	1.3	