

# Nikolay Isaev

## 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.

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	Strain hardening and jump-like deformation of microgranular magnesium alloy AZ31 at a temperature of 4.2 K. <i>Low Temperature Physics</i> , <b>2019</b> , 45, 1131-1136	0.7	
29	Discontinuous Flow of Fine Grained AZ31 at Extremely Low Temperature. <i>Acta Physica Polonica A</i> , <b>2018</b> , 134, 662-666	0.6	2
28	Stress relaxation in ultrafine-grained copper at low homologous temperatures. <i>Low Temperature Physics</i> , <b>2018</b> , 44, 1204-1210	0.7	1
27	Unstable plastic deformation of ultrafine-grained copper at 0.5 K. <i>Low Temperature Physics</i> , <b>2017</b> , 43, 1420-1426	0.7	3
26	Plastic deformation mechanisms of ultrafine-grained copper in the temperature range of 4.2-500 K. <i>Low Temperature Physics</i> , <b>2016</b> , 42, 825-835	0.7	10
25	Peculiarities of Plastic Deformation of SPD Al-Li Alloy at 0.5 K. <i>Acta Physica Polonica A</i> , <b>2015</b> , 128, 536-540	0.6	3
24	Low Temperature Plasticity of Ultrafine-Grained AE42 and AZ31 Magnesium Alloys. <i>Advanced Engineering Materials</i> , <b>2013</b> , 15, 352-357	3.5	5
23	Strain hardening and jump-like deformation of ultrafine polycrystalline Al-Li solid solutions at 0.5 K. <i>Low Temperature Physics</i> , <b>2013</b> , 39, 633-639	0.7	2
22	Low Temperature Plasticity of an Ultrafine-Grained AlMg Alloy Prepared by Accumulative Roll Bonding. <i>Advanced Engineering Materials</i> , <b>2012</b> , 14, 35-38	3.5	4
21	Microstructure and low-temperature plastic deformation of AlLi alloy. <i>Low Temperature Physics</i> , <b>2012</b> , 38, 80-87	0.7	6
20	Localization of plastic deformation in ultra-fine grained Al and AlLi at temperatures of 4.2-50 K. <i>Low Temperature Physics</i> , <b>2012</b> , 38, 973-979	0.7	4
19	Low-temperature plastic deformation of AZ31 magnesium alloy with different microstructures. <i>Low Temperature Physics</i> , <b>2010</b> , 36, 1100-1106	0.7	29
18	Strain-rate sensitivity of the flow stress of ultrafine-grain aluminum at temperatures 4.2-95K. <i>Low Temperature Physics</i> , <b>2009</b> , 35, 898-904	0.7	6
17	The plastic deformation of ultrafine grained aluminum at 0.52 K. <i>Crystallography Reports</i> , <b>2009</b> , 54, 1043-1050	1.5	1
16	Low-temperature plastic strain of ultrafine-grain aluminum. <i>Low Temperature Physics</i> , <b>2008</b> , 34, 665-671	0.7	16
15	Jumplike deformation in normal and superconducting states: The solid solution AlLi. <i>Low Temperature Physics</i> , <b>2007</b> , 33, 377-382	0.7	4
14	Effect of fine structure of Pb-In solid solutions on their deformation-induced strengthening at low temperatures. <i>Physics of Metals and Metallography</i> , <b>2007</b> , 103, 205-212	1.2	1

13	Effect of microstructure on plastic deformation of Cu at low homologous temperatures. <i>Acta Materialia</i> , <b>2006</b> , 54, 5581-5590	8.4	54
12	A low-temperature plasticity anomaly of concentrated fcc solid solutions: the Pb <sub>3</sub> Sn system. <i>Low Temperature Physics</i> , <b>2005</b> , 31, 898-906	0.7	5
11	Anomalous diamagnetism in aluminum <sub>3</sub> thium alloys. <i>Low Temperature Physics</i> , <b>2004</b> , 30, 425-427	0.7	3
10	Strain hardening of metals and alloys in the superconducting state. <i>Low Temperature Physics</i> , <b>2004</b> , 30, 82-86	0.7	5
9	Structure evolution of Al-10.4 at.% Li alloy deformed at room and low temperatures. <i>Acta Crystallographica Section A: Foundations and Advances</i> , <b>2002</b> , 58, c328-c328		
8	Features of the low-temperature plasticity of Pb <sub>3</sub> Sn single crystals. <i>Low Temperature Physics</i> , <b>2002</b> , 28, 369	0.7	4
7	Effect of low temperatures on deformation localization in supersaturated Al <sub>3</sub> Sn alloys. <i>Low Temperature Physics</i> , <b>2001</b> , 27, 974-977	0.7	
6	Features of the microstructure and low-temperature yield stress of quenched Al <sub>3</sub> Sn alloys. <i>Low Temperature Physics</i> , <b>2000</b> , 26, 529-533	0.7	4
5	Empirical evaluation of electron and phonon drag coefficients for dislocations in Pb- and Al-based alloys. <i>Low Temperature Physics</i> , <b>1999</b> , 25, 740-743	0.7	2
4	Low-temperature plasticity of Pb <sub>3</sub> Sn alloys: the role of thermal activation and inertial effects. <i>Low Temperature Physics</i> , <b>1998</b> , 24, 593-601	0.7	7
3	About yield stress of Al <sub>3</sub> Sn alloys at 0.5 to 295 K. <i>Physica Status Solidi A</i> , <b>1996</b> , 157, 249-254		
2	Superconductivity and flow stress of Al - Li alloys near 1 K. <i>Cryogenics</i> , <b>1992</b> , 32, 707-710	1.8	3
1	Effect of structure on low temperature plasticity and magnetic properties of ageing Pb <sub>3</sub> Sn alloys below T <sub>c</sub> . <i>Crystal Research and Technology</i> , <b>1990</b> , 25, 567-577	1.3	