

Pavel Kuznetsov

List of Publications by Citations

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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.

21
papers

92
citations

6
h-index

8
g-index

27
ext. papers

111
ext. citations

1.2
avg, IF

1.72
L-index

#	Paper	IF	Citations
21	Fractal dimension as a characteristic of deformation stages of austenite stainless steel under tensile load. <i>Theoretical and Applied Fracture Mechanics</i> , 2001 , 35, 171-177	3.7	21
20	Positron spectroscopy of defects in submicrocrystalline nickel after low-temperature annealing. <i>Physics of the Solid State</i> , 2015 , 57, 219-228	0.8	10
19	Effect of ultrasonic plastic treatment on the surface structure and phase state of nickel titanium. <i>Technical Physics Letters</i> , 2005 , 31, 912	0.7	10
18	Energy of internal interfaces as a characteristic of the structural evolution of ultrafine-grained copper and nickel after annealing. <i>Physics of Metals and Metallography</i> , 2017 , 118, 241-248	1.2	8
17	Investigation of Defects in Hydrogen-Saturated Titanium by Means of Positron Annihilation Techniques. <i>Defect and Diffusion Forum</i> , 2015 , 365, 232-236	0.7	8
16	Formation of self-similar structures on {100}<00l> aluminum single-crystal foils under cyclic tension. <i>Physical Mesomechanics</i> , 2009 , 12, 85-93	1.6	7
15	Grinfeld instability as a mechanism of the formation of self-similar structures on aluminum single-crystal foils under cyclic tension. <i>Physics of the Solid State</i> , 2012 , 54, 2429-2436	0.8	4
14	Grinfeld instability in the formation of a tweed structure at the Al crystal surface under cyclic tension. <i>Physical Mesomechanics</i> , 2010 , 13, 70-78	1.6	4
13	Multiscale 2D Rectangular and 3D Rhombic Gratings Created by Self-Organization of Crystal Structure Defects under Constrained Cyclic Deformation and Fracture. <i>Materials Science Forum</i> , 2007 , 567-568, 421-424	0.4	4
12	Positron annihilation spectroscopy of vacancy-type defects hierarchy in submicrocrystalline nickel during annealing 2014 ,		3
11	Fractal Dimension and Effects of Correlation of the Mesostructure of the Surface of Plastically Deformed Iron Silicide Polycrystals and Austenitic Corrosion-Resistant Steel. <i>Metal Science and Heat Treatment</i> , 2001 , 43, 89-94	0.6	3
10	Lattice Curvature and Mesoscopic Strain-Induced Defects as the Basis of Plastic Deformation in Ultrafine-Grained Metals. <i>Physical Mesomechanics</i> , 2018 , 21, 411-418	1.6	3
9	Positron annihilation study of vacancy-type defects in Al single crystal foils with the tweed structures across the surface 2015 ,		2
8	The formation of gradient submicrocrystalline structure at nickel surface layers under ultrasonic impact treatment 2015 ,		1
7	Structural and mechanical peculiarities of plastic deformation of {001}<100> Al single-crystal foils on flat Al alloy substrates under constrained cyclic tension. <i>Physical Mesomechanics</i> , 2009 , 12, 180-189	1.6	1
6	Effect of partial recovery of zinc surface at room temperature after basal plane indentation. <i>Journal of Surface Investigation</i> , 2008 , 2, 751-758	0.5	1
5	Positron annihilation spectroscopy of vacancy type defects in submicrocrystalline copper under annealing 2016 ,		1

- 4 Temperature impact on tweed structure formation on aluminum single-crystal foil surface under cyclic tension **2018**, 1
- 3 Grain-Subgrain Structure and Vacancy-Type Defects in Submicrocrystalline Nickel at Low Temperature Annealing. *Acta Physica Polonica A*, **2015**, 128, 714-718 0.6 0
- 2 Effect of the structure of the cermet coatings on high-temperature creep of steel. *Soviet Materials Science*, **1990**, 25, 648-650
- 1 Cyclic Tension Induced Pattern Formation on [001] Single-Crystal Aluminum Foil. *Crystals*, **2022**, 12, 28 2.3