

Alexey Lipnitskii

List of Publications by Citations

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25
papers

145
citations

8
h-index

11
g-index

25
ext. papers

164
ext. citations

1.5
avg, IF

2.03
L-index

#	Paper	IF	Citations
25	On structural defect generation induced by thermal fluctuations in materials with a perfect lattice under dynamic loading. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 349, 509-512	3.2	16
24	Ab initio study of TiC precipitates in hcp titanium: Formation energies, elastic moduli and theoretical diffraction patterns. <i>Computational Materials Science</i> , 2012 , 65, 434-441	3.2	14
23	Vibrations on the (110) surface of FCC metals. <i>Vacuum</i> , 1995 , 46, 625-628	3.7	13
22	Vacancies and their complexes in FCC metals. <i>Physics of the Solid State</i> , 2007 , 49, 1079-1085	0.8	12
21	The () surface electronic structure of FeTi, CoTi, and NiTi. <i>Surface Science</i> , 2002 , 507-510, 199-206	1.8	12
20	Grain boundary segregation of C, N and O in hexagonal close-packed titanium from first principles. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2013 , 21, 075009	2	11
19	Investigations and computer simulations of the intergrain diffusion in submicro-and nanocrystalline metals. <i>Russian Physics Journal</i> , 2008 , 51, 385-399	0.7	11
18	Investigations of the thermal stability of the microstructure of titanium produced by intense plastic deformation. <i>Russian Physics Journal</i> , 2012 , 54, 918-936	0.7	10
17	A molecular-dynamics simulation of grain-boundary diffusion of niobium and experimental investigation of its recrystallization in a niobium-copper system. <i>Russian Physics Journal</i> , 2013 , 56, 330-337	0.7	8
16	Self-Diffusion Parameters of Grain Boundaries and Triple Junctions in Nanocrystalline Materials. <i>Defect and Diffusion Forum</i> , 2011 , 309-310, 45-50	0.7	8
15	Surface electronic structure of Ni3Al(001). <i>Vacuum</i> , 1994 , 45, 175-177	3.7	6
14	The first-principles calculations of the electronic structure of the surfaces of pure metals and layers adsorbed on their surfaces. <i>Electrochimica Acta</i> , 1989 , 34, 19-27	6.7	5
13	Study of the evolution of the Cu/Nb interphase boundary by the molecular dynamics method. <i>Russian Physics Journal</i> , 2009 , 52, 1193-1198	0.7	4
12	Vacancies at low-index surfaces of transition metals and aluminum. <i>Physics of the Solid State</i> , 1997 , 39, 1230-1231	0.8	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	Application of fractals to the analysis of friction processes. <i>Technical Physics Letters</i> , 1999 , 25, 119-121	0.7	3
9	Formation of a pentagonal particle structure from copper nanoclusters. <i>Russian Physics Journal</i> , 2009 , 52, 138-143	0.7	2

8	Characteristics of cleavage fracture during interaction of nonlinear waves with the free surface of a copper single crystal. <i>Technical Physics Letters</i> , 1999 , 25, 936-937	0.7	2
7	Ab initio calculation of characteristics of a hcpTi system in Titanium. <i>Russian Physics Journal</i> , 2009 , 52, 1047-1051	0.7	1
6	Studying grain-boundary stresses in copper by the molecular-statics method. <i>Physics of Metals and Metallography</i> , 2006 , 101, 303-308	1.2	1
5	Molecular-dynamics study of crystal structure defect formation by the thermal fluctuation mechanism during high-rate deformation. <i>Technical Physics Letters</i> , 2006 , 32, 101-102	0.7	0
4	Nucleation of structural defects in materials with a perfect crystal lattice by thermal fluctuations under dynamic loading. <i>Combustion, Explosion and Shock Waves</i> , 2006 , 42, 490-492	1	
3	Effect of grain boundary on the character of pulse-train-induced cleavage fracture in copper crystal. <i>Technical Physics Letters</i> , 2000 , 26, 323-325	0.7	
2	Specific features of the nanoscopic spalling fracture near the grain boundary. <i>Combustion, Explosion and Shock Waves</i> , 2000 , 36, 667-669	1	
1	Relativistic electronic structure of the Pb (001) surface. <i>Soviet Physics Journal (English Translation of Izvestiia Vysshikh Uchebnykh Zavedenii, Fizika)</i> , 1991 , 34, 888-893		