Alexey Lipnitskii

List of Publications by Year
in descending order

25 papers	175 citations	1039880 9 h-index	1125617 13 g-index
25 all docs	25 docs citations	25 times ranked	161 citing authors

#	Article	IF	Citations
1	On structural defect generation induced by thermal fluctuations in materials with a perfect lattice under dynamic loading. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 349, 509-512.	0.9	24
2	Vacancies and their complexes in FCC metals. Physics of the Solid State, 2007, 49, 1079-1085.	0.2	17
3	Ab initio study of Tiâ€“C precipitates in hcp titanium: Formation energies, elastic moduli and theoretical diffraction patterns. Computational Materials Science, 2012, 65, 434-441.	1.4	16
4	Vibrations on the (110) surface of FCC metals. Vacuum, 1995, 46, 625-628.	1.6	13
5	The () surface electronic structure of FeTi, CoTi, and NiTi. Surface Science, 2002, 507-510, 199-206.	0.8	13
6	Investigations and computer simulations of the intergrain diffusion in submicro-and nanocrystalline metals. Russian Physics Journal, 2008, 51, 385-399.	0.2	13
7	A molecular-dynamics simulation of grain-boundary diffusion of niobium and experimental investigation of its recrystallization in a niobium-copper system. Russian Physics Journal, 2013, 56, 330-337.	0.2	12
8	Grain boundary segregation of C, N and O in hexagonal close-packed titanium from first principles. Modelling and Simulation in Materials Science and Engineering, 2013, 21, 075009.	0.8	12
9	Investigations of the thermal stability of the microstructure of titanium produced by intense plastic deformation. Russian Physics Journal, 2012, 54, 918-936.	0.2	11
10	Self-Diffusion Parameters of Grain Boundaries and Triple Junctions in Nanocrystalline Materials. Defect and Diffusion Forum, 0, 309-310, 45-50.	0.4	8
11	The first-principles calculations of the electronic structure of the surfaces of pure metals and layers adsorbed on their surfaces. Electrochimica Acta, 1989, 34, 19-27.	2.6	6
12	Surface electronic structure of Ni3Al(001). Vacuum, 1994, 45, 175-177.	1.6	6
13	Title is missing!. Metal Science and Heat Treatment, 2001, 43, 89-94.	0.2	5
14	Formation of a pentagonal particle structure from copper nanoclusters. Russian Physics Journal, 2009, 52, 138-143.	0.2	4
15	Study of the evolution of the Cu/Nb interphase boundary by the molecular dynamics method. Russian Physics Journal, 2009, 52, 1193-1198.	0.2	4
16	Vacancies at low-index surfaces of transition metals and aluminum. Physics of the Solid State, 1997, 39, 1230-1231.	0.2	3
17	Application of fractals to the analysis of friction processes. Technical Physics Letters, 1999, 25, 119-121.	0.2	3
18	Characteristics of cleavage fracture during interaction of nonlinear waves with the free surface of a copper single crystal. Technical Physics Letters, 1999, 25, 936-937.	0.2	2

#	Article	IF	Citations
19	Molecular-dynamics study of crystal structure defect formation by the thermal fluctuation mechanism during high-rate deformation. Technical Physics Letters, 2006, 32, 101-102.	0.2	1
20	Studying grain-boundary stresses in copper by the molecular-statics method. Physics of Metals and Metallography, 2006, 101, 303-308.	0.3	1
21	Ab initio calculation of characteristics of a hcptiâ€“c system in Î±-titanium. Russian Physics Journal, 2009, 52, 1047-1051.	0.2	1
22	Relativistic electronic structure of the Pb (001) surface. Soviet Physics Journal (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.0	0
23	Effect of grain boundary on the character of pulse-train-induced cleavage fracture in copper crystal. Technical Physics Letters, 2000, 26, 323-325.	0.2	0
24	Specific features of the nanoscopic spalling fracture near the grain boundary. Combustion, Explosion and Shock Waves, 2000, 36, 667-669.	0.3	0
25	Nucleation of structural defects in materials with a perfect crystal lattice by thermal fluctuations under dynamic loading. Combustion, Explosion and Shock Waves, 2006, 42, 490-492.	0.3	0