Ivan Nelasov

List of Publications by Year
in descending order

19	141	1163117 8	1281871 11
papers	citations	h-index	g-index

19	19	19	117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Interaction of Ti and Cr atoms with point defects in bcc vanadium: A DFT study. Journal of Nuclear Materials, 2017, 492, 14-21.	2.7	29
2	Investigations and computer simulations of the intergrain diffusion in submicro-and nanocrystalline metals. Russian Physics Journal, 2008, 51, 385-399.	0.4	13
3	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.	0.4	12
4	Effect of titanium on the primary radiation damage and swelling of vanadium-titanium alloys. Letters on Materials, 2018, 8, 263-267.	0.7	12
5	Investigations of the thermal stability of the microstructure of titanium produced by intense plastic deformation. Russian Physics Journal, 2012, 54, 918-936.	0.4	11
6	Development of an interatomic potential for titanium with high predictive accuracy of thermal properties up to melting point. Computational Materials Science, 2019, 160, 30-41.	3.0	11
7	Self-Diffusion Parameters of Grain Boundaries and Triple Junctions in Nanocrystalline Materials. Defect and Diffusion Forum, 0, 309-310, 45-50.	0.4	8
8	Molecular Dynamics Simulations of the Excess Vacancy Evolution in V and V-4Ti. Defect and Diffusion Forum, 2017, 375, 153-166.	0.4	8
9	Angular dependent interatomic potential for Tiâ€“V system for molecular dynamics simulations. Modelling and Simulation in Materials Science and Engineering, 2020, 28, 055010.	2.0	8
10	Molecular dynamics simulation of primary radiation damage in vanadium and alloy V-4Ti. Journal of Physics: Conference Series, 2019, 1147, 012087.	0.4	7
11	Prediction of the diffusion characteristics of the V-Cr system by molecular dynamics based on N-body interatomic potentials. Computational Materials Science, 2021, 198, 110648.	3.0	5
12	Formation of a pentagonal particle structure from copper nanoclusters. Russian Physics Journal, 2009, 52, 138-143.	0.4	4
13	Study of the evolution of the Cu/Nb interphase boundary by the molecular dynamics method. Russian Physics Journal, 2009, 52, 1193-1198.	0.4	4
14	The study of Cu/Nb interface diffusion using molecular dynamics simulation. St Petersburg Polytechnical University Journal Physics and Mathematics, 2016, 2, 91-95.	0.3	3
15	Molecular dynamic simulations of the interaction of interstitial atoms with vacancy complexes in V and V-4Ti. AIP Conference Proceedings, 2017, , .	0.4	3
16	Molecular-dynamics simulation of the Î±-Ti plastic deformation under conditions of high-energy effects. AIP Conference Proceedings, 2018, , .	0.4	2
17	Molecular dynamics simulation of the behavior of titanium under high-speed deformation. Modelling and Simulation in Materials Science and Engineering, 2021, 29, 065007.	2.0	1
18	Angular dependent interatomic potential for Ti-V system for molecular dynamics simulations. Modelling and Simulation in Materials Science and Engineering, 0, , .	2.0	0

#	Article	IF	Citations
19	Self-point defect trapping responsible for radiation swelling reduction in Vâ€“Ti alloys. Solid State Communications, 2021, 329, 114252.	1.9	0