Grygoriy Kornich

List of Publications by Citations

26 papers	40 citations	4 h-index	5 g-index
26 ext. papers	48 ext. citations	1 avg, IF	1.53 L-index

#	Paper	IF	Citations
26	Energy and size effects in sputtering of surface metal nanoclusters under low energy ion bombardment. *Surface Science*, **2007**, 601, 209-217	1.8	7
25	Evolution of isolated copper clusters under low-energy argon ion bombardment. *Physics of the Solid State*, **2014**, 56, 2568-2572	0.8	6
24	Molecular dynamics simulation of bipartite bimetallic clusters under low-energy argon ion bombardment. *Physics of the Solid State*, **2016**, 58, 387-393	0.8	5
23	Simulation of ion sputtering of copper clusters from single crystal graphite surface. *Technical Physics Letters*, **2003**, 29, 938-940	0.7	4
22	Effect of temperature on the sputtering of surface metallic clusters. *Physics of the Solid State*, **2007**, 49, 580-584	0.8	3
21	Molecular dynamics simulation of defect formation in an aluminum crystal under low-energy ion bombardment. *Physics of the Solid State*, **2001**, 43, 29-34	0.8	3
20	Simulation of the interaction of bipartite bimetallic clusters with low-energy argon clusters. *Physics of the Solid State*, **2017**, 59, 198-208	0.8	2
19	Formation of the core-shell structures from bimetallic Janus-like nanoclusters under low-energy Ar and Ar13 impacts: A molecular dynamics study. *Computational Materials Science*, **2019**, 159, 110-119	3.2	2
18	Evolution of the Ni-Al Janus-like clusters under the impacts of low-energy Ar and Ar13 projectiles. *Materials Today Communications*, **2020**, 23, 101107	2.5	1
17	Method for construction of a biased potential for hyperdynamic simulation of atomic systems. *Physics of the Solid State*, **2017**, 59, 1900-1905	0.8	1
16	Interaction of low-energy Cu2 dimers with copper clusters on the graphite surface. *Physics of the Solid State*, **2010**, 52, 2215-2222	0.8	1
15	Molecular dynamics simulation of sputtering of metal clusters on polyethylene surface. *Bulletin of the Russian Academy of Sciences: Physics*, **2010**, 74, 114-117	0.4	1
14	Temperature dependence of the sputtering yield of surface metal clusters. *Russian Physics Journal*, **2007**, 50, 653-659	0.7	1
13	Sputtering surface copper clusters by low-energy Cu2 dimers. *Technical Physics Letters*, **2008**, 34, 507-509	0.7	1
12	On mechanisms of defect formation in aluminum crystals bombarded by low-energy heavy ions. *Technical Physics Letters*, **2000**, 26, 455-457	0.7	1
11	Calculation of the relocation functionals moments during low energy ion beam mixing. *Vacuum*, **1994**, 45, 487-488	3.7	1
10	A neural network method for restoring the initial impurity concentration distribution from data of ion sputter depth profiling. *Technical Physics Letters*, **2016**, 42, 722-724	0.7	

List of Publications

9	Molecular dynamics simulation of the ion bombardment of interlayer Cu13 clusters in graphite. *Bulletin of the Russian Academy of Sciences: Physics*, **2012**, 76, 523-526	0.4
8	Concentration profiles during films deposition from a low-energy ion beam. *Russian Physics Journal*, **2007**, 50, 228-235	0.7
7	Molecular dynamics simulation of the interaction of low-energy Ar ions with polyethylene and pentacene surfaces. *Bulletin of the Russian Academy of Sciences: Physics*, **2008**, 72, 579-582	0.4
6	Simulation of low-energy argon ion scattering from surface copper clusters. *Technical Physics Letters*, **2004**, 30, 545-547	0.7
5	Simulation of the interaction of low-energy ions with copper clusters on a graphite surface. *Technical Physics Letters*, **2004**, 30, 669-671	0.7
4	Molecular dynamics simulation of the interaction of low-energy Ar and Xe ions with copper clusters on a graphite surface. *Physics of the Solid State*, **2005**, 47, 1986	0.8
3	Atomic relocations in a two-layer Al/Ni system bombarded with ions having energies close to the sputtering threshold. *Technical Physics Letters*, **2000**, 26, 372-374	0.7
2	Defect formation in a two-layer Al/Ni crystal bombarded with ions having energies close to the sputtering threshold. *Technical Physics Letters*, **2000**, 26, 429-431	0.7
1	Modeling of Atomic Displacements in the Bombardment of Copper by Ar and Xe Ions with Near-Sputtering-Threshold Energies. *Russian Physics Journal*, **2000**, 43, 860-866	0.7