

Grygoriy Kornich

List of Publications by Year in Descending Order

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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.

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	Evolution of the Ni-Al Janus-like clusters under the impacts of low-energy Ar and Ar ¹³ projectiles. <i>Materials Today Communications</i> , 2020 , 23, 101107	2.5	1
25	Formation of the core-shell structures from bimetallic Janus-like nanoclusters under low-energy Ar and Ar ¹³ impacts: A molecular dynamics study. <i>Computational Materials Science</i> , 2019 , 159, 110-119	3.2	2
24	Simulation of the interaction of bipartite bimetallic clusters with low-energy argon clusters. <i>Physics of the Solid State</i> , 2017 , 59, 198-208	0.8	2
23	Method for construction of a biased potential for hyperdynamic simulation of atomic systems. <i>Physics of the Solid State</i> , 2017 , 59, 1900-1905	0.8	1
22	A neural network method for restoring the initial impurity concentration distribution from data of ion sputter depth profiling. <i>Technical Physics Letters</i> , 2016 , 42, 722-724	0.7	
21	Molecular dynamics simulation of bipartite bimetallic clusters under low-energy argon ion bombardment. <i>Physics of the Solid State</i> , 2016 , 58, 387-393	0.8	5
20	Evolution of isolated copper clusters under low-energy argon ion bombardment. <i>Physics of the Solid State</i> , 2014 , 56, 2568-2572	0.8	6
19	Molecular dynamics simulation of the ion bombardment of interlayer Cu ¹³ clusters in graphite. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2012 , 76, 523-526	0.4	
18	Interaction of low-energy Cu ² dimers with copper clusters on the graphite surface. <i>Physics of the Solid State</i> , 2010 , 52, 2215-2222	0.8	1
17	Molecular dynamics simulation of sputtering of metal clusters on polyethylene surface. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2010 , 74, 114-117	0.4	1
16	Sputtering surface copper clusters by low-energy Cu ² dimers. <i>Technical Physics Letters</i> , 2008 , 34, 507-509.	0.7	1
15	Molecular dynamics simulation of the interaction of low-energy Ar ions with polyethylene and pentacene surfaces. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2008 , 72, 579-582	0.4	
14	Energy and size effects in sputtering of surface metal nanoclusters under low energy ion bombardment. <i>Surface Science</i> , 2007 , 601, 209-217	1.8	7
13	Effect of temperature on the sputtering of surface metallic clusters. <i>Physics of the Solid State</i> , 2007 , 49, 580-584	0.8	3
12	Concentration profiles during films deposition from a low-energy ion beam. <i>Russian Physics Journal</i> , 2007 , 50, 228-235	0.7	
11	Temperature dependence of the sputtering yield of surface metal clusters. <i>Russian Physics Journal</i> , 2007 , 50, 653-659	0.7	1
10	Molecular dynamics simulation of the interaction of low-energy Ar and Xe ions with copper clusters on a graphite surface. <i>Physics of the Solid State</i> , 2005 , 47, 1986	0.8	

9	Simulation of low-energy argon ion scattering from surface copper clusters. <i>Technical Physics Letters</i> , 2004 , 30, 545-547	0.7	
8	Simulation of the interaction of low-energy ions with copper clusters on a graphite surface. <i>Technical Physics Letters</i> , 2004 , 30, 669-671	0.7	
7	Simulation of ion sputtering of copper clusters from single crystal graphite surface. <i>Technical Physics Letters</i> , 2003 , 29, 938-940	0.7	4
6	Molecular dynamics simulation of defect formation in an aluminum crystal under low-energy ion bombardment. <i>Physics of the Solid State</i> , 2001 , 43, 29-34	0.8	3
5	Atomic relocations in a two-layer Al/Ni system bombarded with ions having energies close to the sputtering threshold. <i>Technical Physics Letters</i> , 2000 , 26, 372-374	0.7	
4	Defect formation in a two-layer Al/Ni crystal bombarded with ions having energies close to the sputtering threshold. <i>Technical Physics Letters</i> , 2000 , 26, 429-431	0.7	
3	On mechanisms of defect formation in aluminum crystals bombarded by low-energy heavy ions. <i>Technical Physics Letters</i> , 2000 , 26, 455-457	0.7	1
2	Modeling of Atomic Displacements in the Bombardment of Copper by Ar and Xe Ions with Near-Sputtering-Threshold Energies. <i>Russian Physics Journal</i> , 2000 , 43, 860-866	0.7	
1	Calculation of the relocation functions and moments during low energy ion beam mixing. <i>Vacuum</i> , 1994 , 45, 487-488	3.7	1