

Antti Kuronen

List of Publications by Citations

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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.

25
papers

346
citations

9
h-index

18
g-index

26
ext. papers

393
ext. citations

3.6
avg, IF

2.9
L-index

#	Paper	IF	Citations
25	Formation Mechanism of Fe Nanocubes by Magnetron Sputtering Inert Gas Condensation. <i>ACS Nano</i> , 2016 , 10, 4684-94	16.7	81
24	Enhanced sputtering yields from single-ion impacts on gold nanorods. <i>Physical Review Letters</i> , 2013 , 111, 065504	7.4	61
23	Development of a ReaxFF description for gold. <i>European Physical Journal B</i> , 2008 , 66, 75-79	1.2	53
22	Tensile testing of Fe and FeCr nanowires using molecular dynamics simulations. <i>Journal of Applied Physics</i> , 2015 , 117, 014313	2.5	20
21	Sputtering yields exceeding 1000 by 80keV Xe irradiation of Au nanorods. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014 , 341, 17-21	1.2	14
20	Atomistic simulation of damage production by atomic and molecular ion irradiation in GaN. <i>Journal of Applied Physics</i> , 2012 , 112, 043517	2.5	12
19	Atomistic Simulation of the Explosion Welding Process. <i>Advanced Engineering Materials</i> , 2012 , 14, 265-268	3.5	11
18	Analytical model of dislocation nucleation on a near-surface void under tensile surface stress. <i>Philosophical Magazine</i> , 2012 , 92, 3994-4010	1.6	11
17	Practical realization of a sub- $\sqrt{2}$ acoustic jet. <i>Scientific Reports</i> , 2019 , 9, 5189	4.9	9
16	Atomistic simulation of Er irradiation induced defects in GaN nanowires. <i>Journal of Applied Physics</i> , 2014 , 116, 124313	2.5	9
15	Kinetic Monte Carlo simulations of proton conductivity. <i>Physical Review E</i> , 2014 , 90, 012135	2.4	8
14	Defect clustering in irradiation of GaN by single and molecular ions. <i>Vacuum</i> , 2014 , 105, 88-90	3.7	7
13	Effects of defect clustering on optical properties of GaN by single and molecular ion irradiation. <i>Journal of Applied Physics</i> , 2013 , 114, 183511	2.5	7
12	Low energy cluster deposition of nanoalloys. <i>Journal of Applied Physics</i> , 2009 , 106, 063516	2.5	7
11	Effects of crystallographic and geometric orientation on ion beam sputtering of gold nanorods. <i>Scientific Reports</i> , 2018 , 8, 512	4.9	5
10	Atomistic modeling of bending properties of oxidized silicon nanowires. <i>Journal of Applied Physics</i> , 2014 , 115, 104305	2.5	5
9	Atomistic simulation of the measurement of mechanical properties of gold nanorods by AFM. <i>Scientific Reports</i> , 2017 , 7, 16257	4.9	5

8	Nanoindentation of gold nanorods with an atomic force microscope. <i>Materials Research Express</i> , 2014 , 1, 045042	1.7	5
7	Experimental study and MD simulation of damage formation in GaN under atomic and molecular ion irradiation. <i>Vacuum</i> , 2016 , 129, 166-169	3.7	5
6	Single and molecular ion irradiation-induced effects in GaN: experiment and cumulative MD simulations. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 505110	3	4
5	Multicellular dosimetric chain for molecular radiotherapy exemplified with dose simulations on 3D cell spheroids. <i>Physica Medica</i> , 2017 , 40, 72-78	2.7	3
4	Oxygen adsorption on (100) surfaces in Fe-Cr alloys. <i>Scientific Reports</i> , 2021 , 11, 6046	4.9	3
3	Effect of iron nanoparticle geometry on the energetics of carbon interstitials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, NA-NA		1
2	Size-dependent elastic properties of oxidized silicon nanorods. <i>Journal of Applied Physics</i> , 2014 , 116, 204305	2.5	0
1	MD simulations of near surface void in copper under thermal compression. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1411, 50		