

Antti Kuronen

List of Publications by Year in descending order

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26
papers

435
citations

840776

11
h-index

713466

21
g-index

26
all docs

26
docs citations

26
times ranked

749
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation Mechanism of Fe Nanocubes by Magnetron Sputtering Inert Gas Condensation. ACS Nano, 2016, 10, 4684-4694.	14.6	93
2	Enhanced Sputtering Yields from Single-Ion Impacts on Gold Nanorods. Physical Review Letters, 2013, 111, 065504.	7.8	71
3	Development of a ReaxFF description for gold. European Physical Journal B, 2008, 66, 75-79.	1.5	58
4	Tensile testing of Fe and FeCr nanowires using molecular dynamics simulations. Journal of Applied Physics, 2015, 117, .	2.5	25
5	Atomistic simulation of damage production by atomic and molecular ion irradiation in GaN. Journal of Applied Physics, 2012, 112, .	2.5	18
6	Practical realization of a sub- $\lambda/2$ acoustic jet. Scientific Reports, 2019, 9, 5189.	3.3	18
7	Sputtering yields exceeding 1000 by 80keV Xe irradiation of Au nanorods. Nuclear Instruments & Methods in Physics Research B, 2014, 341, 17-21.	1.4	17
8	Atomistic Simulation of the Explosion Welding Process. Advanced Engineering Materials, 2012, 14, 265-268.	3.5	16
9	Analytical model of dislocation nucleation on a near-surface void under tensile surface stress. Philosophical Magazine, 2012, 92, 3994-4010.	1.6	13
10	Atomistic simulation of Er irradiation induced defects in GaN nanowires. Journal of Applied Physics, 2014, 116, .	2.5	12
11	Defect clustering in irradiation of GaN by single and molecular ions. Vacuum, 2014, 105, 88-90.	3.5	11
12	Kinetic Monte Carlo simulations of proton conductivity. Physical Review E, 2014, 90, 012135.	2.1	10
13	Effects of defect clustering on optical properties of GaN by single and molecular ion irradiation. Journal of Applied Physics, 2013, 114, .	2.5	9
14	Effects of crystallographic and geometric orientation on ion beam sputtering of gold nanorods. Scientific Reports, 2018, 8, 512.	3.3	9
15	Atomistic modeling of bending properties of oxidized silicon nanowires. Journal of Applied Physics, 2014, 115, 104305.	2.5	8
16	Experimental study and MD simulation of damage formation in GaN under atomic and molecular ion irradiation. Vacuum, 2016, 129, 166-169.	3.5	8
17	Low energy cluster deposition of nanoalloys. Journal of Applied Physics, 2009, 106, .	2.5	7
18	Oxygen adsorption on (100) surfaces in Fe-Cr alloys. Scientific Reports, 2021, 11, 6046.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Atomistic simulation of the measurement of mechanical properties of gold nanorods by AFM. Scientific Reports, 2017, 7, 16257.	3.3	6
20	Nanoindentation of gold nanorods with an atomic force microscope. Materials Research Express, 2014, 1, 045042.	1.6	5
21	Multicellular dosimetric chain for molecular radiotherapy exemplified with dose simulations on 3D cell spheroids. Physica Medica, 2017, 40, 72-78.	0.7	5
22	Single and molecular ion irradiation-induced effects in GaN: experiment and cumulative MD simulations. Journal Physics D: Applied Physics, 2017, 50, 505110.	2.8	4
23	Effect of iron nanoparticle geometry on the energetics of carbon interstitials. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, NA-NA.	0.8	3
24	Size-dependent elastic properties of oxidized silicon nanorods. Journal of Applied Physics, 2014, 116, 204305.	2.5	1
25	3D acoustic jet. , 2019, , .		1
26	MD simulations of near surface void in copper under thermal compression. Materials Research Society Symposia Proceedings, 2012, 1411, 50.	0.1	0