

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	Oxygen adsorption on (100) surfaces in Fe-Cr alloys. Scientific Reports, 2021, 11, 6046.	3.3	7
2	Practical realization of a sub- $\lambda/2$ acoustic jet. Scientific Reports, 2019, 9, 5189.	3.3	18
3	3D acoustic jet. , 2019, , .		1
4	Effects of crystallographic and geometric orientation on ion beam sputtering of gold nanorods. Scientific Reports, 2018, 8, 512.	3.3	9
5	Multicellular dosimetric chain for molecular radiotherapy exemplified with dose simulations on 3D cell spheroids. Physica Medica, 2017, 40, 72-78.	0.7	5
6	Atomistic simulation of the measurement of mechanical properties of gold nanorods by AFM. Scientific Reports, 2017, 7, 16257.	3.3	6
7	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
8	Experimental study and MD simulation of damage formation in GaN under atomic and molecular ion irradiation. Vacuum, 2016, 129, 166-169.	3.5	8
9	Formation Mechanism of Fe Nanocubes by Magnetron Sputtering Inert Gas Condensation. ACS Nano, 2016, 10, 4684-4694.	14.6	93
10	Tensile testing of Fe and FeCr nanowires using molecular dynamics simulations. Journal of Applied Physics, 2015, 117, .	2.5	25
11	Nanoindentation of gold nanorods with an atomic force microscope. Materials Research Express, 2014, 1, 045042.	1.6	5
12	Size-dependent elastic properties of oxidized silicon nanorods. Journal of Applied Physics, 2014, 116, 204305.	2.5	1
13	Atomistic simulation of Er irradiation induced defects in GaN nanowires. Journal of Applied Physics, 2014, 116, .	2.5	12
14	Kinetic Monte Carlo simulations of proton conductivity. Physical Review E, 2014, 90, 012135.	2.1	10
15	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
16	Atomistic modeling of bending properties of oxidized silicon nanowires. Journal of Applied Physics, 2014, 115, 104305.	2.5	8
17	Defect clustering in irradiation of GaN by single and molecular ions. Vacuum, 2014, 105, 88-90.	3.5	11
18	Enhanced Sputtering Yields from Single-Ion Impacts on Gold Nanorods. Physical Review Letters, 2013, 111, 065504.	7.8	71

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19	Effects of defect clustering on optical properties of GaN by single and molecular ion irradiation. Journal of Applied Physics, 2013, 114, .	2.5	9
20	Analytical model of dislocation nucleation on a near-surface void under tensile surface stress. Philosophical Magazine, 2012, 92, 3994-4010.	1.6	13
21	Atomistic simulation of damage production by atomic and molecular ion irradiation in GaN. Journal of Applied Physics, 2012, 112, .	2.5	18
22	MD simulations of near surface void in copper under thermal compression. Materials Research Society Symposia Proceedings, 2012, 1411, 50.	0.1	0
23	Atomistic Simulation of the Explosion Welding Process. Advanced Engineering Materials, 2012, 14, 265-268.	3.5	16
24	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
25	Low energy cluster deposition of nanoalloys. Journal of Applied Physics, 2009, 106, .	2.5	7
26	Development of a ReaxFF description for gold. European Physical Journal B, 2008, 66, 75-79.	1.5	58