Artur Tamm

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8952199/publications.pdf

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14	460	933447 10	1058476 14
papers	citations	h-index	g-index

14	14	14	606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Atomic-scale properties of Ni-based FCC ternary, and quaternary alloys. Acta Materialia, 2015, 99, 307-312.	7.9	159
2	Measurement of collisional quenching rate of nitrogen states N₂(Câ€‰³Î_u, v = 0) and. Journal Physics D: Applied Physics, 2010, 43, 385202.	2.8	71
3	Impact of Short-Range Forces on Defect Production from High-Energy Collisions. Journal of Chemical Theory and Computation, 2016, 12, 2871-2879.	5.3	49
4	Langevin Dynamics with Spatial Correlations as a Model for Electron-Phonon Coupling. Physical Review Letters, 2018, 120, 185501.	7.8	40
5	Accurate classical short-range forces for the study of collision cascades in Feâ€“Niâ€“Cr. Computer Physics Communications, 2017, 219, 11-19.	7.5	39
6	Adequacy of damped dynamics to represent the electron-phonon interaction in solids. Physical Review B, 2015, 92, .	3.2	26
7	On the local density dependence of electronic stopping of ions in solids. Journal of Nuclear Materials, 2018, 507, 258-266.	2.7	15
8	Electron-phonon interaction within classical molecular dynamics. Physical Review B, 2016, 94, .	3.2	14
9	Role of electrons in collision cascades in solids. II. Molecular dynamics. Physical Review B, 2019, 99, .	3.2	14
10	First-principles study of point defects at a semicoherent interface. Scientific Reports, 2014, 4, 7567.	3.3	11
11	Role of electrons in collision cascades in solids. I. Dissipative model. Physical Review B, 2019, 99, .	3.2	11
12	Vacancies at the Cuâ€“Nb semicoherent interface. Modelling and Simulation in Materials Science and Engineering, 2017, 25, 025012.	2.0	5
13	Molecular dynamics study of xenon on an amorphous Al2O3 surface. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 759, 10-15.	1.6	4
14	Characterization of Zr-Nb-Fe(-Cr) precipitates in Zr-based alloys using density functional theory. Materials Today Communications, 2022, 31, 103381.	1.9	2