Benjamin Cowen

List of Publications by Year
in descending order

13	118	1307366 7	1281743 11
papers	citations	h-index	g-index

15	15	15	164
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Method of information entropy for convergence assessment of molecular dynamics simulations. Journal of Applied Physics, 2020, 128, 135102.	1.1	0
2	Extrapolation of thermal conductivity in non-equilibrium molecular dynamics simulations to bulk scale. International Communications in Heat and Mass Transfer, 2020, 118, 104880.	2.9	2
3	Improved reference system for the corrected rigid spheres equation of state model. Journal of Applied Physics, 2020, 128, 055901.	1.1	2
4	Investigations of irradiation effects in crystalline and amorphous SiC. Journal of Applied Physics, 2019, 126, .	1.1	9
5	Point defects production and energy thresholds for displacements in crystalline and amorphous SiC. Computational Materials Science, 2018, 151, 73-83.	1.4	12
6	A study of irradiation effects in TiO2 using molecular dynamics simulation and complementary in situ transmission electron microscopy. Journal of Applied Physics, 2018, 124, 095901.	1.1	2
7	Characterization of radiation damage in TiO₂ using molecular dynamics simulations. Modelling and Simulation in Materials Science and Engineering, 2018, 26, 085005.	0.8	1
8	Thermal conductivity of silicon using reverse non-equilibrium molecular dynamics. Journal of Applied Physics, 2018, 123, .	1.1	12
9	Estimates of point defect production inÎ±-quartz using molecular dynamics simulations. Modelling and Simulation in Materials Science and Engineering, 2017, 25, 055001.	0.8	6
10	Directional dependence of the threshold displacement energies in metal oxides. Modelling and Simulation in Materials Science and Engineering, 2017, 25, 085009.	0.8	11
11	Probability-based threshold displacement energies for oxygen and silicon atoms in Î±-quartz silica. Computational Materials Science, 2016, 117, 164-171.	1.4	16
12	Bond-order reactive force fields for molecular dynamics simulations of crystalline silica. Computational Materials Science, 2016, 111, 269-276.	1.4	14
13	On force fields for molecular dynamics simulations of crystalline silica. Computational Materials Science, 2015, 107, 88-101.	1.4	31