Jiankuai Diao

List of Publications by Year
in descending order

12 papers	1,830 citations	1040056 9 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	1473 citing authors

#	Article	IF	Citations
1	Surface-stress-induced phase transformation in metal nanowires. Nature Materials, 2003, 2, 656-660.	27.5	477
2	Atomistic simulation of the structure and elastic properties of gold nanowires. Journal of the Mechanics and Physics of Solids, 2004, 52, 1935-1962.	4.8	300
3	The Strength of Gold Nanowires. Nano Letters, 2004, 4, 2431-2436.	9.1	280
4	Atomistic simulations of the yielding of gold nanowires. Acta Materialia, 2006, 54, 643-653.	7.9	242
5	Yield Strength Asymmetry in Metal Nanowires. Nano Letters, 2004, 4, 1863-1867.	9.1	207
6	Surface stress driven reorientation of gold nanowires. Physical Review B, 2004, 70, .	3.2	151
7	Molecular dynamics simulations of carbon nanotube/silicon interfacial thermal conductance. Journal of Chemical Physics, 2008, 128, 164708.	3.0	83
8	Tetragonal Phase Transformation in Gold Nanowires. Journal of Engineering Materials and Technology, Transactions of the ASME, 2005, 127, 417-422.	1.4	44
9	Large effects of pressure induced inelastic channels on interface thermal conductance. Applied Physics Letters, 2012, 101, .	3.3	32
10	Interplay of mechanical and binding properties of Fibronectin type I. Theoretical Chemistry Accounts, 2010, 125, 397-405.	1.4	8
11	Indirect Role of Ca2+ in the Assembly of Extracellular Matrix Proteins. Biophysical Journal, 2008, 95, 120-127.	0.5	6
12	Stability and Structural Transition of Gold Nanowires under Their Own Surface Stresses. Materials Research Society Symposia Proceedings, 2004, 854, U5.7.1.	0.1	0