Xiang Chen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2978554/publications.pdf

Version: 2024-02-01

16	305	840776 11	1058476 14
papers	citations	h-index	g-index

16	16	16	222
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of phase interface atomic coherency on dynamics of dislocations. Journal of Materials Research, 2021, 36, 2792-2801.	2.6	0
2	Efficient perturbation-tracking method for directly probing the spectral phonon properties from molecular dynamics simulations. Physical Review E, 2020, 102, 053311.	2.1	0
3	Modeling dislocations and heat conduction in crystalline materials: atomistic/continuum coupling approaches. International Materials Reviews, 2019, 64, 407-438.	19.3	14
4	Phonon Transport Across Coherent and Incoherent Interfaces. Jom, 2019, 71, 3885-3891.	1.9	2
5	Phonon spectrum and phonon focusing in coarse-grained atomistic simulations. Computational Materials Science, 2019, 162, 21-32.	3.0	9
6	Passing waves from atomistic to continuum. Journal of Computational Physics, 2018, 354, 393-402.	3.8	33
7	Effects of phonons on mobility of dislocations and dislocation arrays. Scripta Materialia, 2017, 137, 22-26.	5.2	44
8	Ballistic-diffusive phonon heat transport across grain boundaries. Acta Materialia, 2017, 136, 355-365.	7.9	35
9	Recent progress in the concurrent atomistic-continuum method and its application in phonon transport. MRS Communications, 2017, 7, 785-797.	1.8	12
10	Coarse-grained elastodynamics of fast moving dislocations. Acta Materialia, 2016, 104, 143-155.	7.9	47
11	Minimum thermal conductivity in periodically twinned SrTiO3. Computational Materials Science, 2016, 112, 107-112.	3.0	8
12	Dislocation migration across coherent phase interfaces in SiGe superlattices. Computational Materials Science, 2016, 111, 1-6.	3.0	17
13	A coherent phonon pulse model for transient phonon thermal transport. Computer Physics Communications, 2015, 195, 112-116.	7.5	18
14	Prediction of phonon properties of 1D polyatomic systems using concurrent atomisticâ€“continuum simulation. Archive of Applied Mechanics, 2014, 84, 1665-1675.	2.2	31
15	A molecular dynamics study of tilt grain boundary resistance to slip and heat transfer in nanocrystalline silicon. Journal of Applied Physics, 2014, 116, .	2.5	17
16	Phonon thermal transport through tilt grain boundaries in strontium titanate. Journal of Applied Physics, 2014, 116, .	2.5	18