Andrea Cepellotti

List of Publications by Year
in descending order

17 papers	2,943 citations	687220 13 h-index	940416 16 g-index
18 all docs	18 docs citations	18 times ranked	5266 citing authors

#	Article	IF	Citations
1	Two-dimensional materials from high-throughput computational exfoliation of experimentally known compounds. Nature Nanotechnology, 2018, 13, 246-252.	15.6	1,317
2	Thermal Conductivity of Graphene and Graphite: Collective Excitations and Mean Free Paths. Nano Letters, 2014, 14, 6109-6114.	4.5	449
3	AiiDA: automated interactive infrastructure and database for computational science. Computational Materials Science, 2016, 111, 218-230.	1.4	399
4	Phonon hydrodynamics in two-dimensional materials. Nature Communications, 2015, 6, 6400.	5.8	385
5	Perspective on ab initio phonon thermal transport. Journal of Applied Physics, 2019, 126, .	1.1	76
6	Thermal Transport in Crystals as a Kinetic Theory of Relaxons. Physical Review X, 2016, 6, .	2.8	72
7	Optomechanical Measurement of Thermal Transport in Two-Dimensional MoSe₂ Lattices. Nano Letters, 2019, 19, 3143-3150.	4.5	43
8	Rippling ultrafast dynamics of suspended 2D monolayers, graphene. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6555-E6561.	3.3	41
9	Boltzmann Transport in Nanostructures as a Friction Effect. Nano Letters, 2017, 17, 4675-4682.	4.5	38
10	Generalization of Fourierâ€™s Law into Viscous Heat Equations. Physical Review X, 2020, 10, .	2.8	36
11	Bayesian force fields from active learning for simulation of inter-dimensional transformation of stanene. Npj Computational Materials, 2021, 7, .	3.5	33
12	Transport waves as crystal excitations. Physical Review Materials, 2017, 1, .	0.9	20
13	NH₃â€“NO Coadsorption System on Pt(111). I. Structure of the Mixed Layer. Journal of Physical Chemistry C, 2013, 117, 21186-21195.	1.5	14
14	NH₃â€“NO Coadsorption System on Pt(111). II. Intermolecular Interaction. Journal of Physical Chemistry C, 2013, 117, 21196-21202.	1.5	10
15	Interband tunneling effects on materials transport properties using the first principles Wigner distribution. Materials Today Physics, 2021, 19, 100412.	2.9	9
16	On the Kinetic Theory of Thermal Transport in Crystals. , 2018, , 1-42.		0
17	On the Kinetic Theory of Thermal Transport in Crystals. , 2020, , 767-808.		0