

# Andrea Cepellotti

## List of Publications by Year in descending order

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Version: 2024-02-01

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