Aris Marcolongo

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3387314/publications.pdf

Version: 2024-02-01

18 papers	571 citations	933447 10 h-index	996975 15 g-index
18 all docs	18 docs citations	18 times ranked	807 citing authors

#	Article	IF	Citations
1	Microscopic theory and quantum simulation of atomic heat transport. Nature Physics, 2016, 12, 80-84.	16.7	93
2	Ionic correlations and failure of Nernst-Einstein relation in solid-state electrolytes. Physical Review Materials, 2017, 1, .	2.4	86
3	High-throughput computational screening for solid-state Li-ion conductors. Energy and Environmental Science, 2020, 13, 928-948.	30.8	80
4	Comparison of computational methods for the electrochemical stability window of solid-state electrolyte materials. Journal of Materials Chemistry A, 2020, 8, 1347-1359.	10.3	55
5	Accurate thermal conductivities from optimally short molecular dynamics simulations. Scientific Reports, 2017, 7, 15835.	3.3	49
6	Enhanced Proton Conductivity in Yâ€Doped BaZrO₃ via Strain Engineering. Advanced Science, 2017, 4, 1700467.	11.2	45
7	Modeling lithium-ion solid-state electrolytes with a pinball model. Physical Review Materials, 2018, 2, .	2.4	33
8	Gauge Invariance of Thermal Transport Coefficients. Journal of Low Temperature Physics, 2016, 185, 79-86.	1.4	31
9	Simulating Diffusion Properties of Solidâ€State Electrolytes via a Neural Network Potential: Performance and Training Scheme. ChemSystemsChem, 2020, 2, e1900031.	2.6	30
10	Gauge Fixing for Heat-Transport Simulations. Journal of Chemical Theory and Computation, 2020, 16, 3352-3362.	5.3	14
11	Heat Transport in Insulators from Ab Initio Green-Kubo Theory. , 2018, , 1-36.		11
12	Doping in garnet-type electrolytes: Kinetic and thermodynamic effects from molecular dynamics simulations. Physical Review Materials, 2019, 3, .	2.4	10
13	High Li-ion conductivity in tetragonal LGPO: A comparative first-principles study against known LISICON and LGPS phases. Physical Review Materials, 2021, 5, .	2.4	8
14	QEHeat: An open-source energy flux calculator for the computation of heat-transport coefficients from first principles. Computer Physics Communications, 2021, 269, 108090.	7.5	7
15	The solid-state Li-ion conductor Li7TaO6: A combined computational and experimental study. Solid State Ionics, 2020, 347, 115226.	2.7	6
16	Spectral Denoising for Accelerated Analysis of Correlated Ionic Transport. Physical Review Letters, 2021, 127, 025901.	7.8	6
17	Heat Transport in Insulators from Ab Initio Green-Kubo Theory. , 2020, , 809-844.		4
18	Predicting years with extremely low gross primary production from daily weather data using Convolutional Neural Networks. , 2022, 1, .		3