Jonathan Mailoa

List of Publications by Year
in descending order

15 papers	3,386 citations	687363 13 h-index	1058476 14 g-index
15 all docs	15 docs citations	15 times ranked	4908 citing authors

#	Article	IF	Citations
1	E(3)-equivariant graph neural networks for data-efficient and accurate interatomic potentials. Nature Communications, 2022, 13, 2453.	12.8	336
2	The impact of hydrogen valence on its bonding and transport in molten fluoride salts. Journal of Materials Chemistry A, 2021, 9, 1784-1794.	10.3	18
3	Accurate and scalable graph neural network force field and molecular dynamics with direct force architecture. Npj Computational Materials, 2021, 7, .	8.7	63
4	Chalcogen-hyperdoped germanium for short-wavelength infrared photodetection. AIP Advances, 2020, 10, .	1.3	7
5	A fast neural network approach for direct covariant forces prediction in complex multi-element extended systems. Nature Machine Intelligence, 2019, 1, 471-479.	16.0	32
6	Developing a Robust Recombination Contact to Realize Monolithic Perovskite Tandems With Industrially Common p-Type Silicon Solar Cells. IEEE Journal of Photovoltaics, 2018, 8, 1023-1028.	2.5	27
7	Atomistic Description of Ionic Diffusion in PEOâ€"LiTFSI: Effect of Temperature, Molecular Weight, and Ionic Concentration. Macromolecules, 2018, 51, 8987-8995.	4.8	124
8	Effect of Salt Concentration on Ion Clustering and Transport in Polymer Solid Electrolytes: A Molecular Dynamics Study of PEOâ€"LiTFSI. Chemistry of Materials, 2018, 30, 6298-6306.	6.7	190
9	23.6%-efficient monolithic perovskite/silicon tandem solar cells with improved stability. Nature Energy, 2017, 2, .	39.5	1,204
10	Energy-yield prediction for IIâ€"VI-based thin-film tandem solar cells. Energy and Environmental Science, 2016, 9, 2644-2653.	30.8	43
11	Non-monotonic effect of growth temperature on carrier collection in SnS solar cells. Applied Physics Letters, 2015, 106, .	3.3	18
12	Optical loss analysis of monolithic perovskite/Si tandem solar cell. , 2015, , .		4
13	A 2-terminal perovskite/silicon multijunction solar cell enabled by a silicon tunnel junction. Applied Physics Letters, 2015, 106, .	3.3	488
14	Semi-transparent perovskite solar cells for tandems with silicon and CIGS. Energy and Environmental Science, 2015, 8, 956-963.	30.8	630
15	Room-temperature sub-band gap optoelectronic response of hyperdoped silicon. Nature Communications, 2014, 5, 3011.	12.8	202