Kiran Mathew

List of Publications by Year in Descending Order

11 papers	2,139 citations	9 h-index	12 g-index
12 ext. papers	2,770 ext. citations	5 avg, IF	5.15 L-index

#	Paper	IF	Citations
11	Implicit self-consistent electrolyte model in plane-wave density-functional theory. *Journal of Chemical Physics*, **2019**, 151, 234101	3.9	210
10	Predicting the Electrochemical Synthesis of 2D Materials from First Principles. *Journal of Physical Chemistry C*, **2019**, 123, 3180-3187	3.8	18
9	Interface-Driven Structural Distortions and Composition Segregation in Two-Dimensional Heterostructures. *Angewandte Chemie - International Edition*, **2017**, 56, 14448-14452	16.4	8
8	Interface-Driven Structural Distortions and Composition Segregation in Two-Dimensional Heterostructures. *Angewandte Chemie*, **2017**, 129, 14640-14644	3.6	1
7	MPInterfaces: A Materials Project based Python tool for high-throughput computational screening of interfacial systems. *Computational Materials Science*, **2016**, 122, 183-190	3.2	72
6	Predicted Surface Composition and Thermodynamic Stability of MXenes in Solution. *Journal of Physical Chemistry C*, **2016**, 120, 3550-3556	3.8	143
5	Computational Screening of 2D Materials for Photocatalysis. *Journal of Physical Chemistry Letters*, **2015**, 6, 1087-98	6.4	458
4	Density functional theory study of the electrochemical interface between a Pt electrode and an aqueous electrolyte using an implicit solvent method. *Journal of Chemical Physics*, **2015**, 142, 234107	3.9	92
3	Implicit solvation model for density-functional study of nanocrystal surfaces and reaction pathways. *Journal of Chemical Physics*, **2014**, 140, 084106	3.9	945
2	Structures, phase stabilities, and electrical potentials of Li-Si battery anode materials. *Physical Review B*, **2013**, 87,	3.3	34
1	Accuracy of exchange-correlation functionals and effect of solvation on the surface energy of copper. *Physical Review B*, **2013**, 87,	3.3	158