

Kiran Mathew

List of Publications by Year in descending order

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11
papers

3,567
citations

1039406

9
h-index

1281420

11
g-index

12
all docs

12
docs citations

12
times ranked

4361
citing authors

#	ARTICLE	IF	CITATIONS
1	Implicit solvation model for density-functional study of nanocrystal surfaces and reaction pathways. Journal of Chemical Physics, 2014, 140, 084106.	1.2	1,676
2	Computational Screening of 2D Materials for Photocatalysis. Journal of Physical Chemistry Letters, 2015, 6, 1087-1098.	2.1	641
3	Implicit self-consistent electrolyte model in plane-wave density-functional theory. Journal of Chemical Physics, 2019, 151, 234101.	1.2	561
4	Accuracy of exchange-correlation functionals and effect of solvation on the surface energy of copper. Physical Review B, 2013, 87, .	1.1	211
5	Predicted Surface Composition and Thermodynamic Stability of MXenes in Solution. Journal of Physical Chemistry C, 2016, 120, 3550-3556.	1.5	196
6	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.	1.2	103
7	MPInterfaces: A Materials Project based Python tool for high-throughput computational screening of interfacial systems. Computational Materials Science, 2016, 122, 183-190.	1.4	95
8	Structures, phase stabilities, and electrical potentials of Li-Si battery anode materials. Physical Review B, 2013, 87, .	1.1	41
9	Predicting the Electrochemical Synthesis of 2D Materials from First Principles. Journal of Physical Chemistry C, 2019, 123, 3180-3187.	1.5	34
10	Interface-Driven Structural Distortions and Composition Segregation in Two-Dimensional Heterostructures. Angewandte Chemie - International Edition, 2017, 56, 14448-14452.	7.2	8
11	Interface-Driven Structural Distortions and Composition Segregation in Two-Dimensional Heterostructures. Angewandte Chemie, 2017, 129, 14640-14644.	1.6	1