

Kiran Mathew

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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