Kiran Mathew

List of Publications by Year in descending order

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Κίδανι Ματήξιω

| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Implicit solvation model for density-functional study of nanocrystal surfaces and reaction pathways. Journal of Chemical Physics, 2014, 140, 084106. | 3.0 | 1,676 |
| 2 | Computational Screening of 2D Materials for Photocatalysis. Journal of Physical Chemistry Letters, 2015, 6, 1087-1098. | 4.6 | 641 |
| 3 | Implicit self-consistent electrolyte model in plane-wave density-functional theory. Journal of Chemical Physics, 2019, 151, 234101. | 3.0 | 561 |
| 4 | Accuracy of exchange-correlation functionals and effect of solvation on the surface energy of copper. Physical Review B, 2013, 87, . | 3.2 | 211 |
| 5 | Predicted Surface Composition and Thermodynamic Stability of MXenes in Solution. Journal of Physical Chemistry C, 2016, 120, 3550-3556. | 3.1 | 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. | 3.0 | 103 |
| 7 | MPInterfaces: A Materials Project based Python tool for high-throughput computational screening of interfacial systems. Computational Materials Science, 2016, 122, 183-190. | 3.0 | 95 |
| 8 | Structures, phase stabilities, and electrical potentials of Li-Si battery anode materials. Physical Review B, 2013, 87, . | 3.2 | 41 |
| 9 | Predicting the Electrochemical Synthesis of 2D Materials from First Principles. Journal of Physical Chemistry C, 2019, 123, 3180-3187. | 3.1 | 34 |
| 10 | Interfaceâ€Driven Structural Distortions and Composition Segregation in Twoâ€Dimensional Heterostructures. Angewandte Chemie - International Edition, 2017, 56, 14448-14452. | 13.8 | 8 |
| 11 | Interfaceâ€Driven Structural Distortions and Composition Segregation in Twoâ€Dimensional | 2.0 | 1 |