

Hongxia Hao

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

716
citations

759233

12
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

896
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Can electric fields drive chemistry for an aqueous microdroplet?. Nature Communications, 2022, 13, 280. | 12.8 | 102 |
| 2 | NewtonNet: a Newtonian message passing network for deep learning of interatomic potentials and forces. , 2022, 1, 333-343. | | 42 |
| 3 | A benchmark dataset for Hydrogen Combustion. Scientific Data, 2022, 9, 215. | 5.3 | 6 |
| 4 | Recent Advances for Improving the Accuracy, Transferability, and Efficiency of Reactive Force Fields. Journal of Chemical Theory and Computation, 2021, 17, 3237-3251. | 5.3 | 41 |
| 5 | Proton Traffic Jam: Effect of Nanoconfinement and Acid Concentration on Proton Hopping Mechanism (Angew. Chem. 48/2021). Angewandte Chemie, 2021, 133, 25788-25788. | 2.0 | 0 |
| 6 | Diels-Alder Reactions in Water Are Determined by Microsolvation. Nano Letters, 2020, 20, 606-611. | 9.1 | 29 |
| 7 | A Reactive Force Field with Coarse-Grained Electrons for Liquid Water. Journal of Physical Chemistry Letters, 2020, 11, 9240-9247. | 4.6 | 18 |
| 8 | Metal-insulator and magnetic phase diagram of CaMn_2O_7 from auxiliary field quantum Monte Carlo and dynamical mean field theory. Physical Review B, 2020, 101, . | 3.2 | 9 |
| 9 | QMCPACK: Advances in the development, efficiency, and application of auxiliary field and real-space variational and diffusion quantum Monte Carlo. Journal of Chemical Physics, 2020, 152, 174105. | 3.0 | 80 |
| 10 | Auxiliary field quantum Monte Carlo for multiband Hubbard models: Controlling the sign and phase problems to capture Hund's physics. Physical Review B, 2019, 99, . | 3.2 | 8 |
| 11 | Accurate Predictions of Electron Binding Energies of Dipole-Bound Anions via Quantum Monte Carlo Methods. Journal of Physical Chemistry Letters, 2018, 9, 6185-6190. | 4.6 | 24 |
| 12 | QMCPACK: an open source <i>ab initio</i> quantum Monte Carlo package for the electronic structure of atoms, molecules and solids. Journal of Physics Condensed Matter, 2018, 30, 195901. | 1.8 | 187 |
| 13 | Colloidal synthesis of greigite nanoplates with controlled lateral size for electrochemical applications. Nanoscale, 2015, 7, 4171-4178. | 5.6 | 31 |
| 14 | Enhancement of the 808 nm Photothermal Effect of Gold Nanorods by Thiol-Induced Self-Assembly. Particle and Particle Systems Characterization, 2014, 31, 788-793. | 2.3 | 16 |
| 15 | Dip-Coated Gold Nanoparticle Electrodes for Aqueous-Solution-Processed Large-Area Solar Cells. Advanced Energy Materials, 2014, 4, 1400135. | 19.5 | 37 |
| 16 | Self-Assembly of Au_{15} into Single-Cluster Thick Sheets at the Interface of Two Miscible High-Boiling Solvents. Angewandte Chemie - International Edition, 2013, 52, 9952-9955. | 13.8 | 66 |
| 17 | Proton Traffic Jam: Effect of Nanoconfinement and Acid Concentration on Proton Hopping Mechanism. Angewandte Chemie, 0, , . | 2.0 | 2 |