

Duanyun Cao

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

846
citations

840776

11
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

1084
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Cu(110)è;é¢æ°â>¢ç°†ä°sä^†âç°Sæ^âfçš,,âŽÿââŠ>æ~¾â¾@é•œç”ç©¶. Scientia Sinica Chimica, 2022, , . | 0.4 | 0 |
| 2 | Visualizing Eigen/Zundel cations and their interconversion in monolayer water on metal surfaces. Science, 2022, 377, 315-319. | 12.6 | 47 |
| 3 | Robustness of Bilayer Hexagonal Ice against Surface Symmetry and Corrugation. Physical Review Letters, 2022, 129, . | 7.8 | 14 |
| 4 | High-Temperature Storage Deterioration Mechanism of Cylindrical 21700-Type Batteries Using Ni-Rich Cathodes under Different SOCs. ACS Applied Materials & Interfaces, 2021, 13, 6286-6297. | 8.0 | 17 |
| 5 | A Universal Method for Enhancing the Structural Stability of Ni-Rich Cathodes Via the Synergistic Effect of Dual-Element Cosubstitution. ACS Applied Materials & Interfaces, 2021, 13, 24925-24936. | 8.0 | 43 |
| 6 | Sublimated Seâ€Induced Formation of Dualâ€Conductive Surface Layers for Highâ€Performance Niâ€Rich Layered Cathodes. ChemElectroChem, 2021, 8, 4207-4217. | 3.4 | 7 |
| 7 | Advances in Atomic Force Microscopy: Imaging of Two- and Three-Dimensional Interfacial Water. Frontiers in Chemistry, 2021, 9, 745446. | 3.6 | 5 |
| 8 | Unrevealing the effects of low temperature on cycling life of 21700-type cylindrical Li-ion batteries. Journal of Energy Chemistry, 2021, 60, 104-110. | 12.9 | 31 |
| 9 | Atomic imaging of the edge structure and growth of a two-dimensional hexagonal ice. Nature, 2020, 577, 60-63. | 27.8 | 149 |
| 10 | Surface coordination layer passivates oxidation of copper. Nature, 2020, 586, 390-394. | 27.8 | 154 |
| 11 | Probing the intermolecular coupled vibrations in a water cluster with inelastic electron tunneling spectroscopy. Journal of Chemical Physics, 2020, 152, 234301. | 3.0 | 2 |
| 12 | Advances in Atomic Force Microscopy: Weakly Perturbative Imaging of the Interfacial Water. Frontiers in Chemistry, 2019, 7, 626. | 3.6 | 13 |
| 13 | Weakly perturbative imaging of interfacial water with submolecular resolution by atomic force microscopy. Nature Communications, 2018, 9, 122. | 12.8 | 105 |
| 14 | The Pentagonal Nature of Self-Assembled Silicon Chains and Magic Clusters on Ag(110). Nano Letters, 2018, 18, 2937-2942. | 9.1 | 52 |
| 15 | The effect of hydration number on the interfacial transport of sodium ions. Nature, 2018, 557, 701-705. | 27.8 | 205 |
| 16 | Atomic Insight into the Interfacial Effect on the Molecular Solvation. Journal of Physical Chemistry C, 0, , . | 3.1 | 1 |