# Yongmao Cai

List of Publications by Year
in descending order



| 13 | 628 | 1162367 8 | 1125271 13 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 13 | 13 | 13 | 1105 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Two-Dimensional V<sub>2</sub>N MXene Monolayer as a High-Capacity Anode Material for Lithium-Ion Batteries and Beyond: First-Principles Calculations. ACS Omega, 2022, 7, 17756-17764. | 1.6 | 18 |
| 2 | Understanding the Hydrogen-Bonded Clusters of Ammonia (NH<sub>3</sub>)<sub>n</sub> (n = 3â€“6): Insights from the Electronic Structure Theory. ACS Omega, 2020, 5, 31724-31729. | 1.6 | 10 |
| 3 | The Anchoring Effect of 2D Graphdiyne Materials for Lithiumâ€“Sulfur Batteries. ACS Omega, 2020, 5, 13424-13429. | 1.6 | 10 |
| 4 | A low-cost and energy-saving preparation method for silicon derived from rice husks and lithium ion battery applications. Materials Research Express, 2019, 6, 045505. | 0.8 | 2 |
| 5 | Structural phase transition and bonding properties of high-pressure polymeric CaN3. RSC Advances, 2018, 8, 4314-4320. | 1.7 | 14 |
| 6 | Crystal structures of transition metal pernitrides predicted from first principles. RSC Advances, 2018, 8, 36412-36421. | 1.7 | 15 |
| 7 | NASICON-Type Mg<sub>0.5</sub>Ti<sub>2</sub>(PO<sub>4</sub>)<sub>3</sub> Negative Electrode Material Exhibits Different Electrochemical Energy Storage Mechanisms in Na-Ion and Li-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 4709-4718. | 4.0 | 47 |
| 8 | Stability and electronic properties of two-dimensional silicene and germanene on graphene. Physical Review B, 2013, 88, . | 1.1 | 173 |
| 9 | First-Principles Calculations on the LiMSO4F/MSO4F (M = Fe, Co, and Ni) Systems. Journal of Physical Chemistry C, 2011, 115, 7032-7037. | 1.5 | 32 |
| 10 | Pressure-induced phase transformation and magnetism transition in BaRuO3: A first-principles study. Solid State Sciences, 2011, 13, 350-355. | 1.5 | 9 |
| 11 | Prediction of the phase transition from ferromagnetic perovskite to non-magnetic post-perovskite in SrRuO3 : A first-principles study. Solid State Communications, 2011, 151, 798-801. | 0.9 | 5 |
| 12 | Electrochemical Kinetics of the Li[Li<sub>0.23</sub>Co<sub>0.3</sub>Mn<sub>0.47</sub>]O<sub>2</sub> Cathode Material Studied by GITT and EIS. Journal of Physical Chemistry C, 2010, 114, 22751-22757. | 1.5 | 285 |
| 13 | Charge disproportionation in AlV2O4: A first-principles study. Journal of Alloys and Compounds, 2010, 505, L23-L26. | 2.8 | 8 |