

Yongmao Cai

List of Publications by Year in Descending Order

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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.

12
papers

511
citations

6
h-index

13
g-index

13
ext. papers

576
ext. citations

3.9
avg, IF

3.35
L-index

| # | Paper | IF | Citations |
|----|--|-----|-----------|
| 12 | The Anchoring Effect of 2D Graphdiyne Materials for Lithium-Sulfur Batteries. <i>ACS Omega</i> , 2020 , 5, 13424-13429 | 3.9 | 13429 |
| 11 | Understanding the Hydrogen-Bonded Clusters of Ammonia (NH) (= 3-6): Insights from the Electronic Structure Theory. <i>ACS Omega</i> , 2020 , 5, 31724-31729 | 3.9 | 4 |
| 10 | A low-cost and energy-saving preparation method for silicon derived from rice husks and lithium ion battery applications. <i>Materials Research Express</i> , 2019 , 6, 045505 | 1.7 | 1 |
| 9 | Structural phase transition and bonding properties of high-pressure polymeric CaN ₃ . <i>RSC Advances</i> , 2018 , 8, 4314-4320 | 3.7 | 6 |
| 8 | Crystal structures of transition metal pernitrides predicted from first principles.. <i>RSC Advances</i> , 2018 , 8, 36412-36421 | 3.7 | 8 |
| 7 | NASICON-Type MgTi(PO) Negative Electrode Material Exhibits Different Electrochemical Energy Storage Mechanisms in Na-Ion and Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4709-4718 | 3.5 | 36 |
| 6 | Stability and electronic properties of two-dimensional silicene and germanene on graphene. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 153 |
| 5 | Pressure-induced phase transformation and magnetism transition in BaRuO ₃ : A first-principles study. <i>Solid State Sciences</i> , 2011 , 13, 350-355 | 3.4 | 6 |
| 4 | First-Principles Calculations on the LiMSO ₄ F/MSO ₄ F (M = Fe, Co, and Ni) Systems. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7032-7037 | 3.8 | 30 |
| 3 | Prediction of the phase transition from ferromagnetic perovskite to non-magnetic post-perovskite in SrRuO ₃ : A first-principles study. <i>Solid State Communications</i> , 2011 , 151, 798-801 | 1.6 | 4 |
| 2 | Electrochemical Kinetics of the Li[Li _{0.23} Co _{0.3} Mn _{0.47}]O ₂ Cathode Material Studied by GITT and EIS. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 22751-22757 | 3.8 | 251 |
| 1 | Charge disproportionation in AlV ₂ O ₄ : A first-principles study. <i>Journal of Alloys and Compounds</i> , 2010 , 505, L23-L26 | 5.7 | 8 |