

Yongmao Cai

List of Publications by Year in descending order

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13
papers

628
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1162367

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1125271

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1105
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Kinetics of the $\text{Li}[\text{Li}_{0.23}\text{Co}_{0.3}\text{Mn}_{0.47}]_2\text{O}_2$ Cathode Material Studied by GITT and EIS. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22751-22757.	1.5	285
2	Stability and electronic properties of two-dimensional silicene and germanene on graphene. <i>Physical Review B</i> , 2013, 88, .	1.1	173
3	NASICON-Type $\text{Mg}_{0.5}\text{Ti}_2(\text{PO}_4)_3$ 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.	4.0	47
4	First-Principles Calculations on the $\text{LiMSO}_4\text{F}/\text{MSO}_4\text{F}$ (M = Fe, Co, and Ni) Systems. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7032-7037.	1.5	32
5	Two-Dimensional V_2N MXene Monolayer as a High-Capacity Anode Material for Lithium-Ion Batteries and Beyond: First-Principles Calculations. <i>ACS Omega</i> , 2022, 7, 17756-17764.	1.6	18
6	Crystal structures of transition metal pernitrides predicted from first principles. <i>RSC Advances</i> , 2018, 8, 36412-36421.	1.7	15
7	Structural phase transition and bonding properties of high-pressure polymeric CaN_3 . <i>RSC Advances</i> , 2018, 8, 4314-4320.	1.7	14
8	Understanding the Hydrogen-Bonded Clusters of Ammonia (NH_3) $_n$ ($n = 3\text{--}6$): Insights from the Electronic Structure Theory. <i>ACS Omega</i> , 2020, 5, 31724-31729.	1.6	10
9	The Anchoring Effect of 2D Graphdiyne Materials for Lithium-Sulfur Batteries. <i>ACS Omega</i> , 2020, 5, 13424-13429.	1.6	10
10	Pressure-induced phase transformation and magnetism transition in BaRuO_3 : A first-principles study. <i>Solid State Sciences</i> , 2011, 13, 350-355.	1.5	9
11	Charge disproportionation in AlV_2O_4 : A first-principles study. <i>Journal of Alloys and Compounds</i> , 2010, 505, L23-L26.	2.8	8
12	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.	0.9	5
13	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.	0.8	2