Yongmao Cai

List of Publications by Citations

12	511	6	13
papers	citations	h-index	g-index
13	576	3.9	3.35
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
12	Electrochemical Kinetics of the Li[Li0.23Co0.3Mn0.47]O2 Cathode Material Studied by GITT and EIS. *Journal of Physical Chemistry C*, **2010**, 114, 22751-22757	3.8	251
11	Stability and electronic properties of two-dimensional silicene and germanene on graphene. *Physical Review B*, **2013**, 88,	3.3	153
10	NASICON-Type MgTi(PO) Negative Electrode Material Exhibits Different Electrochemical Energy Storage Mechanisms in Na-Ion and Li-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 4709-4718	9.5	36
9	First-Principles Calculations on the LiMSO4F/MSO4F (M = Fe, Co, and Ni) Systems. *Journal of Physical Chemistry C*, **2011**, 115, 7032-7037	3.8	30
8	Charge disproportionation in AlV2O4: A first-principles study. *Journal of Alloys and Compounds*, **2010**, 505, L23-L26	5.7	8
7	Crystal structures of transition metal pernitrides predicted from first principles.. *RSC Advances*, **2018**, 8, 36412-36421	3.7	8
6	Structural phase transition and bonding properties of high-pressure polymeric CaN3. *RSC Advances*, **2018**, 8, 4314-4320	3.7	6
5	Pressure-induced phase transformation and magnetism transition in BaRuO3: A first-principles study. *Solid State Sciences*, **2011**, 13, 350-355	3.4	6
4	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	1.6	4
3	The Anchoring Effect of 2D Graphdiyne Materials for Lithium-Sulfur Batteries. *ACS Omega*, **2020**, 5, 13424-13429	3.9	4
2	Understanding the Hydrogen-Bonded Clusters of Ammonia (NH) (= 3-6): Insights from the Electronic Structure Theory. *ACS Omega*, **2020**, 5, 31724-31729	3.9	4
1	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	1.7	1