Kamalika Ghatak

List of Publications by Year
in descending order

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12 papers	225 citations	1162367 8 h-index	1372195 10 g-index
12 all docs	12 docs citations	12 times ranked	388 citing authors

#	Article	IF	Citations
1	Scandium-Decorated MOF-5 as Potential Candidates for Room-Temperature Hydrogen Storage: A Solution for the Clustering Problem in MOFs. Journal of Physical Chemistry C, 2012, 116, 17336-17342.	1.5	50
2	Utilizing van der Waals Slippery Interfaces to Enhance the Electrochemical Stability of Silicon Film Anodes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2018, 10, 13442-13451.	4.0	48
3	Effect of cobalt content on the electrochemical properties and structural stability of NCA type cathode materials. Physical Chemistry Chemical Physics, 2018, 20, 22805-22817.	1.3	27
4	Amorphous germanium as a promising anode material for sodium ion batteries: a first principle study. Journal of Materials Science, 2018, 53, 14423-14434.	1.7	23
5	Metal or Nonmetal Cooperation with a Phenyl Group: Route to Catalysis? A Computational Investigation. ACS Catalysis, 2013, 3, 920-927.	5.5	21
6	Controlled edge dependent stacking of WS2-WS2 Homo- and WS2-WSe2 Hetero-structures: A Computational Study. Scientific Reports, 2020, 10, 1648.	1.6	19
7	A computational investigation of the role of the iridium dihydrogen pincer complex in the formation of the cyclic pentamer (NH2BH2)5. Computational and Theoretical Chemistry, 2012, 992, 18-29.	1.1	12
8	Computational investigation on the catalytic activity of Rh6 and Rh4Ru2 clusters towards methanol activation. Theoretical Chemistry Accounts, 2015, 134, 1.	0.5	10
9	The inherent behavior of graphene flakes in water: A molecular dynamics study. Computational Materials Science, 2019, 162, 140-147.	1.4	7
10	Atomistic modeling by density functional theory of two-dimensional materials. , 2020, , 113-123.		4
11	Exploring the Potential of Doped Zero-Dimensional Cages for Proton Transfer in Fuel Cells: A Computational Study. Journal of Physical Chemistry B, 2012, 116, 9803-9811.	1.2	3
12	Two-dimensional materials and its heterostructures for energy storage. , 2020, , 385-401.		1