Hong Tang

List of Publications by Year
in descending order

Version: 2024-02-01

18 papers	232 citations	1040056 9 h-index	996975 15 g-index
19 all docs	19 docs citations	19 times ranked	274 citing authors

#	Article	IF	Citations
1	Electrorheology leads to healthier and tastier chocolate. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7399-7402.	7.1	54
2	Origin of the size-dependence of the equilibrium van der Waals binding between nanostructures. Journal of Chemical Physics, 2018, 148, 074110.	3.0	39
3	van der Waals Correction to the Physisorption of Graphene on Metal Surfaces. Journal of Physical Chemistry C, 2019, 123, 13748-13757.	3.1	18
4	Opening band gaps of low-dimensional materials at the meta-GGA level of density functional approximations. Physical Review Materials, 2021, 5, .	2.4	18
5	Modeling the physisorption of graphene on metals. Physical Review B, 2018, 97, .	3.2	15
6	Accurate lattice geometrical parameters and bulk moduli from a semilocal density functional. AIP Advances, 2018, 8, .	1.3	15
7	Tunable band gaps and optical absorption properties of bent MoS2 nanoribbons. Scientific Reports, 2022, 12, 3008.	3.3	14
8	Molecule-surface interaction from van der Waals-corrected semilocal density functionals: The example of thiophene on transition-metal surfaces. Physical Review Materials, 2020, 4, .	2.4	13
9	Simple hydrogenic estimates for the exchange and correlation energies of atoms and atomic ions, with implications for density functional theory. Journal of Chemical Physics, 2020, 153, 074114.	3.0	10
10	Comparative study of the properties of ionic solids from density functionals. Materials Research Express, 2018, 5, 076302.	1.6	8
11	Density functionals combined with van der Waals corrections for graphene adsorbed on layered materials. Physical Review B, 2020, 101, .	3.2	8
12	Long-range dispersion-corrected density functional for noncovalent interactions. International Journal of Modern Physics B, 2019, 33, 1950300.	2.0	5
13	Describing adsorption of benzene, thiophene, and xenon on coinage metals by using the Zarembaâ€“Kohn theory-based model. Journal of Chemical Physics, 2021, 154, 124705.	3.0	4
14	Bending as a control knob for the electronic and optical properties of phosphorene nanoribbons. Physical Review Materials, 2022, 6, .	2.4	4
15	Reply to Ziegler et al.: Electrorheological technology to make chocolate healthier and tastier. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6319-E6320.	7.1	2
16	van der Waals corrected density functionals for cylindrical surfaces: Ammonia and nitrogen dioxide adsorbed on a single-walled carbon nanotube. Physical Review B, 2021, 103, .	3.2	2
17	Reply to Smith: Electrorheological technology reduces the chocolate viscosity and fat level. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5255-E5256.	7.1	1
18	ELECTRORHEOLOGY IMPROVES TRANSPORTATION OF CRUDE OIL. , 2011, , .		0