Hui Li

List of Publications by Year
in descending order

18 papers	1,445 citations	1040056 9 h-index	996975 15 g-index
18 all docs	18 docs citations	18 times ranked	1520 citing authors

#	Article	IF	Citations
1	Dynamic multinuclear sites formed by mobilized copper ions in NO _x selective catalytic reduction. Science, 2017, 357, 898-903.	12.6	667
2	Catalysis in a Cage: Condition-Dependent Speciation and Dynamics of Exchanged Cu Cations in SSZ-13 Zeolites. Journal of the American Chemical Society, 2016, 138, 6028-6048.	13.7	588
3	Size-dependent melting point of nanoparticles based on bond number calculation. Materials Chemistry and Physics, 2013, 137, 1007-1011.	4.0	58
4	Cohesive Energy of Clusters Referenced by Wulff Construction. Journal of Physical Chemistry C, 2009, 113, 7594-7597.	3.1	37
5	Size-dependent Raman shift of semiconductor nanomaterials determined using bond number and strength. Physical Chemistry Chemical Physics, 2017, 19, 28056-28062.	2.8	18
6	The effect of the size and shape on the bond number of quantum dots and its relationship with thermodynamic properties. Physical Chemistry Chemical Physics, 2015, 17, 17973-17979.	2.8	17
7	Size Consideration on Shape Factor and Its Determination Role on theThermodynamic Stability of Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 12002-12007.	3.1	13
8	Chemical Sensitivity of Valence-to-Core X-ray Emission Spectroscopy Due to the Ligand and the Oxidation State: A Computational Study on Cu-SSZ-13 with Multiple H₂O and NH₃ Adsorption. Journal of Physical Chemistry C, 2017, 121, 25759-25767.	3.1	12
9	Insight into the mechanisms of CO2 reduction to CHO over Zr-doped Cu nanoparticle. Chemical Physics, 2021, 540, 111012.	1.9	11
10	Theoretical prediction for the band gap of semiconductor nanoparticles as function of bond number. Materials Chemistry and Physics, 2016, 184, 285-290.	4.0	8
11	Raman shift, NÃ©el temperature, and optical band gap of NiO nanoparticles. Physical Chemistry Chemical Physics, 2020, 22, 5735-5739.	2.8	7
12	The effect of external field on the electronic properties of silicon nanodots. Electronic Materials Letters, 2012, 8, 471-475.	2.2	3
13	The stability of Cu clusters and their adsorption for CH4 and CH3 by first principle calculations. Journal of Chemical Physics, 2018, 149, 204310.	3.0	3
14	Influence of quantum dot shape on the formation energy of boron dopants in silicon. Journal of Applied Physics, 2020, 128, 055102.	2.5	2
15	Site discrimination and size effect of B-doping in Si nanocrystals by second-neighbor atom consideration. Journal of Applied Physics, 2019, 126, .	2.5	1
16	The stiffening or softening of nanomaterials determined by a quantitative model. Materials Research Express, 2019, 6, 105030.	1.6	0
17	A combined study of thermodynamic and first-principle calculation for single bond energy of Cu clusters. Journal of Applied Physics, 2019, 125, 094302.	2.5	0
18	The Size and Doping Site Consideration in Methanol Synthesis on CuZr Nanoparticles. Catalysis Letters, 0, , .	2.6	0