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	Insight into the mechanisms of CO2 reduction to CHO over Zr-doped Cu nanoparticle. Chemical Physics, 2021, 540, 111012.	1.9	11
2	Influence of quantum dot shape on the formation energy of boron dopants in silicon. Journal of Applied Physics, 2020, 128, 055102.	2.5	2
3	Raman shift, NÃ©el temperature, and optical band gap of NiO nanoparticles. Physical Chemistry Chemical Physics, 2020, 22, 5735-5739.	2.8	7
4	The stiffening or softening of nanomaterials determined by a quantitative model. Materials Research Express, 2019, 6, 105030.	1.6	0
5	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
6	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
7	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
8	Size-dependent Raman shift of semiconductor nanomaterials determined using bond number and strength. Physical Chemistry Chemical Physics, 2017, 19, 28056-28062.	2.8	18
9	Dynamic multinuclear sites formed by mobilized copper ions in NO _x selective catalytic reduction. Science, 2017, 357, 898-903.	12.6	667
10	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
11	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
12	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
13	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
14	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
15	Size-dependent melting point of nanoparticles based on bond number calculation. Materials Chemistry and Physics, 2013, 137, 1007-1011.	4.0	58
16	The effect of external field on the electronic properties of silicon nanodots. Electronic Materials Letters, 2012, 8, 471-475.	2.2	3
17	Cohesive Energy of Clusters Referenced by Wulff Construction. Journal of Physical Chemistry C, 2009, 113, 7594-7597.	3.1	37
18	The Size and Doping Site Consideration in Methanol Synthesis on CuZr Nanoparticles. Catalysis Letters, 0, , .	2.6	0