

Jaebeom Han

List of Publications by Year in descending order

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12
papers

586
citations

1040056

9
h-index

1199594

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g-index

12
all docs

12
docs citations

12
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Determining the atomic charge of calcium ion requires the information of its coordination geometry in an EF-hand motif. <i>Journal of Chemical Physics</i> , 2021, 154, 124104.	3.0	6
2	On the Interplay between Electronic Structure and Polarizable Force Fields When Calculating Solution-Phase Charge-Transfer Rates. <i>Journal of Chemical Theory and Computation</i> , 2020, 16, 6481-6490.	5.3	6
3	Calculated Reduction Potentials of Electrolyte Species in Lithium-Sulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20654-20670.	3.1	18
4	First-principles calculations of oxidation potentials of electrolytes in lithium-sulfur batteries and their variations with changes in environment. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18811-18827.	2.8	8
5	Quantum mechanical force field for water with explicit electronic polarization. <i>Journal of Chemical Physics</i> , 2013, 139, 054503.	3.0	36
6	Optimization of the explicit polarization (X-Pol) potential using a hybrid density functional. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1161.	1.4	15
7	Explicit Polarization (X-Pol) Potential Using ab Initio Molecular Orbital Theory and Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2009, 113, 11656-11664.	2.5	49
8	Nitrile and thiocyanate IR probes: Molecular dynamics simulation studies. <i>Journal of Chemical Physics</i> , 2008, 128, 154504.	3.0	124
9	Site-Specific Hydrogen-Bonding Interaction between N-Acetylproline Amide and Protic Solvent Molecules: Comparisons of IR and VCD Measurements with MD Simulations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13355-13365.	2.5	20
10	Phenol-benzene complexation dynamics: Quantum chemistry calculation, molecular dynamics simulations, and two dimensional IR spectroscopy. <i>Journal of Chemical Physics</i> , 2006, 125, 244508.	3.0	49
11	Temperature-dependent growth of carbon nanotubes by pyrolysis of ferrocene and acetylene in the range between 700 and 1000 Å°C. <i>Chemical Physics Letters</i> , 2003, 372, 853-859.	2.6	122
12	Vertically Aligned Carbon Nanotubes Grown by Pyrolysis of Iron, Cobalt, and Nickel Phthalocyanines. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9249-9255.	2.6	133