# Jaebeom Han

List of Publications by Year
in descending order



| 12 | 586 | 1040056 9 | 1199594 12 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 12 | 12 | 12 | 857 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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