

Changwei Wang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

603
citations

12
h-index

21
g-index

21
ext. papers

702
ext. citations

4.9
avg, IF

4.06
L-index

#	Paper	IF	Citations
20	On The Nature of the Halogen Bond. <i>Journal of Chemical Theory and Computation</i> , 2014 , 10, 3726-37	6.4	194
19	Theoretical evidence of charge transfer interaction between SO ₂ and deep eutectic solvents formed by choline chloride and glycerol. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 28729-42	3.6	61
18	The origins of the directionality of noncovalent intermolecular interactions. <i>Journal of Computational Chemistry</i> , 2016 , 37, 34-45	3.5	49
17	Hydrogen- and Halogen-Bonds between Ions of like Charges: Are They Anti-Electrostatic in Nature?. <i>Journal of Computational Chemistry</i> , 2018 , 39, 481-487	3.5	42
16	A Unified Theory for the Blue- and Red-Shifting Phenomena in Hydrogen and Halogen Bonds. <i>Journal of Chemical Theory and Computation</i> , 2017 , 13, 1626-1637	6.4	40
15	The Self-Association of Graphane Is Driven by London Dispersion and Enhanced Orbital Interactions. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 1621-30	6.4	36
14	How the generalized anomeric effect influences the conformational preference. <i>Chemistry - A European Journal</i> , 2013 , 19, 1436-44	4.8	35
13	Sensing or no sensing: can the anomeric effect be probed by a sensing molecule?. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13731-6	16.4	34
12	How solvent influences the anomeric effect: roles of hyperconjugative versus steric interactions on the conformational preference. <i>Journal of Organic Chemistry</i> , 2014 , 79, 1571-81	4.2	27
11	An accurate empirical method to predict the adsorption strength for π -orbital contained molecules on two dimensional materials. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 82, 93-100	2.8	15
10	Atmospheric Chemistry of Enols: Vinyl Alcohol + OH + O Reaction Revisited. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 3205-3213	2.8	12
9	Atmospheric implications of hydration on the formation of methanesulfonic acid and methylamine clusters: A theoretical study. <i>Chemosphere</i> , 2020 , 244, 125538	8.4	12
8	Attraction between electrophilic caps: A counterintuitive case of noncovalent interactions. <i>Journal of Computational Chemistry</i> , 2019 , 40, 1015-1022	3.5	12
7	Tetrel bonding interaction: an analysis with the block-localized wavefunction (BLW) approach. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 11776-11784	3.6	11
6	Halogen Bonds in Novel Polyhalogen Monoanions. <i>Chemistry - A European Journal</i> , 2017 , 23, 8719-8728	4.8	10
5	Classical Electrostatic Interaction Is the Origin for Blue-Shifting Halogen Bonds. <i>Inorganic Chemistry</i> , 2019 , 58, 8577-8586	5.1	6
4	Resonance-assisted/impaired anion- π interaction: towards the design of novel anion receptors.. <i>RSC Advances</i> , 2020 , 10, 36181-36191	3.7	3

3	Hydrogen and Halogen Bonding in Homogeneous External Electric Fields: Modulating the Bond Strengths. <i>Chemistry - A European Journal</i> , 2021 , 27, 14042-14050	4.8	2
2	Inter-anion chalcogen bonds: Are they anti-electrostatic in nature?. <i>Journal of Chemical Physics</i> , 2021 , 155, 234302	3.9	1
1	Classical Electrostatics Remains the Driving Force for Interanion Hydrogen and Halogen Bonding. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 10428-10438	2.8	1