Changwei Wang

List of Publications by Year in Descending Order

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	Inter-anion chalcogen bonds: Are they anti-electrostatic in nature?. *Journal of Chemical Physics*, **2021**, 155, 234302	3.9	1
19	Classical Electrostatics Remains the Driving Force for Interanion Hydrogen and Halogen Bonding. *Journal of Physical Chemistry A*, **2021**, 125, 10428-10438	2.8	1
18	Hydrogen and Halogen Bonding in Homogeneous External Electric Fields: Modulating the Bond Strengths. *Chemistry - A European Journal*, **2021**, 27, 14042-14050	4.8	2
17	Atmospheric implications of hydration on the formation of methanesulfonic acid and methylamine clusters: A theoretical study. *Chemosphere*, **2020**, 244, 125538	8.4	12
16	Resonance-assisted/impaired anion-□nteraction: towards the design of novel anion receptors.. *RSC Advances*, **2020**, 10, 36181-36191	3.7	3
15	Tetrel bonding interaction: an analysis with the block-localized wavefunction (BLW) approach. *Physical Chemistry Chemical Physics*, **2019**, 21, 11776-11784	3.6	11
14	Classical Electrostatic Interaction Is the Origin for Blue-Shifting Halogen Bonds. *Inorganic Chemistry* , **2019**, 58, 8577-8586	5.1	6
13	Atmospheric Chemistry of Enols: Vinyl Alcohol + OH + O Reaction Revisited. *Journal of Physical Chemistry A*, **2019**, 123, 3205-3213	2.8	12
12	Attraction between electrophilic caps: A counterintuitive case of noncovalent interactions. *Journal of Computational Chemistry*, **2019**, 40, 1015-1022	3.5	12
11	An accurate empirical method to predict the adsorption strength for □-orbital contained molecules on two dimensional materials. *Journal of Molecular Graphics and Modelling*, **2018**, 82, 93-100	2.8	15
10	Hydrogen- and Halogen-Bonds between Ions of like Charges: Are They Anti-Electrostatic in Nature?. *Journal of Computational Chemistry*, **2018**, 39, 481-487	3.5	42
9	A Unified Theory for the Blue- and Red-Shifting Phenomena in Hydrogen and Halogen Bonds. *Journal of Chemical Theory and Computation*, **2017**, 13, 1626-1637	6.4	40
8	Halogen Bonds in Novel Polyhalogen Monoanions. *Chemistry - A European Journal*, **2017**, 23, 8719-8728	4.8	10
7	The origins of the directionality of noncovalent intermolecular interactions. *Journal of Computational Chemistry*, **2016**, 37, 34-45	3.5	49
6	The Self-Association of Graphane Is Driven by London Dispersion and Enhanced Orbital Interactions. *Journal of Chemical Theory and Computation*, **2015**, 11, 1621-30	6.4	36
5	Theoretical evidence of charge transfer interaction between SO□nd deep eutectic solvents formed by choline chloride and glycerol. *Physical Chemistry Chemical Physics*, **2015**, 17, 28729-42	3.6	61
4	How solvent influences the anomeric effect: roles of hyperconjugative versus steric interactions on the conformational preference. *Journal of Organic Chemistry*, **2014**, 79, 1571-81	4.2	27

3	On The Nature of the Halogen Bond. *Journal of Chemical Theory and Computation*, **2014**, 10, 3726-37	6.4	194
2	How the generalized anomeric effect influences the conformational preference. *Chemistry - A European Journal*, **2013**, 19, 1436-44	4.8	35
1	Sensing or no sensing: can the anomeric effect be probed by a sensing molecule?. *Journal of the American Chemical Society*, **2011**, 133, 13731-6	16.4	34