Ru-Fang Zhao

List of Publications by Year
in descending order

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10 papers	125 citations	1307594 7 h-index	1372567 10 g-index
10 all docs	10 docs citations	10 times ranked	97 citing authors

#	Article	IF	Citations
1	The Combination of Superhalogens and BrÃ¸nsted Acids HX (X = F, Cl, Br): An Effective Strategy for Designing Strong Superacids. Inorganic Chemistry, 2017, 56, 11787-11797.	4.0	25
2	Could the increased structural versatility imposed by non-halogen ligands bring something new for polynuclear superhalogens? A case study on binuclear [Mg₂L₅]^{â^'} (L = â€“OH, â€“OOH and â€“OF) anions. Physical Chemistry Chemical Physics, 2017, 19, 26986-26995.	2.8	17
3	Superhalogen-based composite with strong acidity-a crossing point between two topics. Inorganic Chemistry Frontiers, 2018, 5, 2934-2947.	6.0	17
4	Constructing organic superacids from superhalogens is a rational route as verified by DFT calculations. Physical Chemistry Chemical Physics, 2019, 21, 2804-2815.	2.8	15
5	N-, P-, and O-Tridoped Carbon Hollow Nanospheres with Openings in the Shell Surfaces: A Highly Efficient Electrocatalyst toward the ORR. Langmuir, 2021, 37, 2001-2010.	3.5	14
6	Exploring the structure, bonding and stability of noble gas compounds promoted by superhalogens. A case study on HNgMX₃(Ng = Arâ€“Rn, M = Beâ€“Ca, X = Fâ€“Br)viacombined high-levelab initioand DFT calculations. Physical Chemistry Chemical Physics, 2019, 21, 19104-19114.	2.8	11
7	Why do higher VDEs of superhalogen not ensure improved stabilities of the noble gas hydrides promoted by them? A high-level ab initio case study. Journal of Chemical Physics, 2018, 149, 064301.	3.0	9
8	Combining proton and silaborane-based superhalogen anions â€“ an effective route to new superacids as verified via systematic DFT calculations. Dalton Transactions, 2019, 48, 16184-16198.	3.3	9
9	DDQ dehydrogenative Dielsâ€“Alder reaction for the synthesis of functionalized spiro[carbazole-1,3â€²-indolines] and spiro[carbazole-1,5â€²-pyrimidines]. New Journal of Chemistry, 2021, 45, 15423-15428.	2.8	6
10	High-Performance Single-Atom Catalysts for CO Oxidation: the Importance of Hydrogen Bonds and Adsorption Strength of the Reactant. Journal of Physical Chemistry C, 2021, 125, 15987-15993.	3.1	2