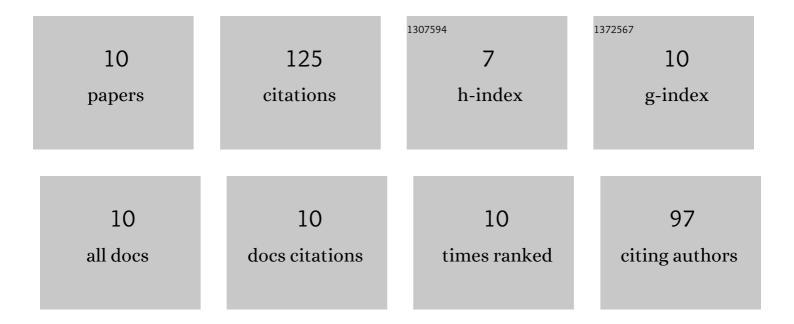
## **Ru-Fang Zhao**

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9602609/publications.pdf

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#	Article	IF	CITATIONS
1	DDQ dehydrogenative Diels–Alder reaction for the synthesis of functionalized spiro[carbazole-1,3′-indolines] and spiro[carbazole-1,5′-pyrimidines]. New Journal of Chemistry, 2021, 45, 15423-15428.	2.8	6
2	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
3	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
4	Exploring the structure, bonding and stability of noble gas compounds promoted by superhalogens. A case study on HNgMX <sub>3</sub> (Ng = Ar–Rn, M = Be–Ca, X = F–Br) <i>via</i> combined high-level <i>ab initio</i> and DFT calculations. Physical Chemistry Chemical Physics, 2019, 21, 19104-19114.	2.8	11
5	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
6	Combining proton and silaborane-based superhalogen anions – an effective route to new superacids as verified <i>via</i> systematic DFT calculations. Dalton Transactions, 2019, 48, 16184-16198.	3.3	9
7	Superhalogen-based composite with strong acidity-a crossing point between two topics. Inorganic Chemistry Frontiers, 2018, 5, 2934-2947.	6.0	17
8	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
9	Could the increased structural versatility imposed by non-halogen ligands bring something new for polynuclear superhalogens? A case study on binuclear [Mg <sub>2</sub> L <sub>5</sub> ] <sup>â^'</sup> (L = –OH, –OOH and –OF) anions. Physical Chemistry Chemical Physics, 2017, 19, 26986-26995.	2.8	17
10	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