

Jin-Feng Li

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Information encryption, highly sensitive detection of nitrobenzene, tetracycline based on a stable luminescent Cd-MOF. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120752.	3.9	11
2	The coexistence of long τ_{QTM} and high U_{eff} as a concise criterion for a good single-molecule magnet: a theoretical case study of square antiprism dysprosium single-ion magnets. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 11729-11742.	2.8	15
3	Assessment of XC functionals for the study of organic molecules with superhalogen substitution. A systematic comparison between DFT and CCSD(T). <i>Journal of Chemical Physics</i> , 2022, 156, 184303.	3.0	4
4	Exploring the Superhalogen Properties of Polynuclear Structures without Halogen Ligands: A Combined <i>Ab Initio</i> and DFT Study on Triple-Bridged $[\text{Mg}_2\text{L}_5]^{+1}$ ($\text{L} = \text{OCN}, \text{SCN}$) Anions. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3378-3386.	2.5	6
5	Exploring the structure, bonding and stability of noble gas compounds promoted by superhalogens. A case study on HNgMX_3 ($\text{Ng} = \text{Ar}, \text{Rn}$, $\text{M} = \text{Be}, \text{Ca}$, $\text{X} = \text{F}, \text{Br}$) via combined high-level <i>ab initio</i> and DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 19104-19114.	2.8	11
6	Constructing organic superacids from superhalogens is a rational route as verified by DFT calculations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 2804-2815.	2.8	15
7	Exploring the necessity of an acidic additive for Pd(<i>scp</i>)-catalyzed exclusive C4-fluoroalkylation of 3-acetylindole: a detailed DFT study on the mechanism and regioselectivity. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2607-2618.	4.5	14
8	Combining proton and silaborane-based superhalogen anions an effective route to new superacids as verified via systematic DFT calculations. <i>Dalton Transactions</i> , 2019, 48, 16184-16198.	3.3	9
9	Superhalogen-based composite with strong acidity—a crossing point between two topics. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2934-2947.	6.0	17
10	Why do higher VDEs of superhalogen not ensure improved stabilities of the noble gas hydrides promoted by them? A high-level <i>ab initio</i> case study. <i>Journal of Chemical Physics</i> , 2018, 149, 064301.	3.0	9
11	Could the increased structural versatility imposed by non-halogen ligands bring something new for polynuclear superhalogens? A case study on binuclear $[\text{Mg}_2\text{L}_5]^{+1}$ ($\text{L} = \text{OH}, \text{OOH}$ and OF) anions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26986-26995.	2.8	17
12	The Combination of Superhalogens and Brønsted Acids HX ($\text{X} = \text{F}, \text{Cl}, \text{Br}$): An Effective Strategy for Designing Strong Superacids. <i>Inorganic Chemistry</i> , 2017, 56, 11787-11797.	4.0	25
13	Could the description on polynuclear superhalogens by DFT be comparable with high-level <i>ab initio</i> results? A comparison between DFT and CCSD(T). <i>Journal of Chemical Physics</i> , 2016, 144, 054303.	3.0	19
14	Probing the potential of halogen-free superhalogen anions as effective electrolytes of Li-ion batteries: a theoretical prospect from combined <i>ab initio</i> and DFT studies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28576-28584.	2.8	25
15	Probing the Properties of Polynuclear Superhalogens without Halogen Ligand via <i>ab Initio</i> Calculations: A Case Study on Double-Bridged $[\text{Mg}_2(\text{CN})_5]^{+1}$ Anions. <i>ChemPhysChem</i> , 2015, 16, 3652-3659.	2.1	26
16	Are superhalogens without halogen ligand capable of transcending traditional halogen-based superhalogens? <i>Ab initio</i> case study of binuclear anions based on pseudohalogen ligand. <i>AIP Advances</i> , 2015, 5, 067143.	1.3	32
17	Is the regulation of the electronic properties of organic molecules by polynuclear superhalogens more effective than that by mononuclear superhalogens? A high-level <i>ab initio</i> case study. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20338-20346.	2.8	13
18	Are polynuclear superhalogens without halogen atoms probable? A high-level <i>ab initio</i> case study on triple-bridged binuclear anions with cyanide ligands. <i>Journal of Chemical Physics</i> , 2014, 140, 094301.	3.0	39