

# Zhi-Fan Wang

## List of Publications by Year in descending order

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25  
papers

176  
citations

1307594

7  
h-index

1199594

12  
g-index

26  
all docs

26  
docs citations

26  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Equation-of-Motion Coupled-Cluster Theory for Excitation Energies of Closed-Shell Systems with Spin-Orbit Coupling. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 5567-5576.	5.3	45
2	Equation-of-motion coupled-cluster method for doubly ionized states with spin-orbit coupling. <i>Journal of Chemical Physics</i> , 2015, 142, 144109.	3.0	21
3	Dirhodium(II)-catalyzed diamination reaction via a free radical pathway. <i>Organic Chemistry Frontiers</i> , 2021, 8, 5098-5104.	4.5	13
4	Spin-orbit coupling and electron correlation at various coupled-cluster levels for closed-shell diatomic molecules. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17922.	2.8	11
5	Dirhodium(II)-catalyzed [3 + 2] cycloaddition of N-arylamino-cyclopropane with alkyne derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 542-550.	2.2	10
6	Properties of closed-shell superheavy element hydrides and halides using coupled-cluster method and density functional theory with spin-orbit coupling. <i>Journal of Chemical Physics</i> , 2018, 148, 044304.	3.0	8
7	Single-precision open-shell CCSD and CCSD(T) calculations on graphics processing units. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 25103-25111.	2.8	8
8	Equation-of-motion coupled-cluster theory for double electron attachment with spin-orbit coupling. <i>Journal of Chemical Physics</i> , 2020, 153, 214118.	3.0	8
9	Treating spin-orbit coupling at different levels in equation-of-motion coupled-cluster calculations. <i>Molecular Physics</i> , 2020, 118, e1785029.	1.7	6
10	Assembly of polycyclic N-heterocycles via copper-catalyzed cycloamination of indolylquinones and aromatic amines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4593-4598.	2.8	6
11	Rhodium(II)-Catalyzed C(sp <sup>3</sup> ) <sup>3</sup> -H Diamination of Arylcyclobutanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	6
12	Analysis of a failure of the CC2 coupled-cluster method for bond lengths of SnO and PbO. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	1.4	5
13	Approximate equation-of-motion coupled-cluster methods for electron affinities of closed-shell molecules. <i>Journal of Chemical Physics</i> , 2020, 152, 124111.	3.0	5
14	C(sp <sup>3</sup> ) <sup>3</sup> -H 1,3-diamination of cumene derivatives catalyzed by a dirhodium(II) catalyst. <i>Organic Chemistry Frontiers</i> , 0, .	4.5	5
15	Chloroimidazolium Chloride as a Coupling Reagent for Amide Bond Formation. <i>ChemistrySelect</i> , 2020, 5, 4596-4600.	1.5	4
16	A corrected CIS(D <sup>2</sup> ) method for valence and Rydberg excitation energies. <i>Chemical Physics Letters</i> , 2019, 730, 54-59.	2.6	3
17	Iron catalyzed C-C dehydrogenative coupling reaction: synthesis of arylquinones from quinones/hydroquinones. <i>RSC Advances</i> , 2022, 12, 3783-3787.	3.6	3
18	Splittings of d8 configurations of late-transition metals with EOM-DIP-CCSD and FSCCSD methods. <i>Journal of Chemical Physics</i> , 2020, 152, 134105.	3.0	2

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19	Energy correction and analytic energy gradients due to triples in CCSD(T) with spin-orbit coupling on graphic processing units using single-precision data. <i>Molecular Physics</i> , 0, , .	1.7	2
20	Low-lying states of MX <sub>2</sub> (M = Ag, Au; X = Cl, Br and I) with coupled-cluster approaches: effect of the basis set, high level correlation and spin-orbit coupling. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 26178-26188.	2.8	2
21	Effects of ligands on excitation energies of [ $\text{UO}_2\text{X}_4$ ] <sup>2+</sup> and $\text{UO}_2\text{X}_2$ (X = F, Cl) with the equation-of-motion coupled-cluster theory. <i>International Journal of Quantum Chemistry</i> , 2022, 122, .	2.0	2
22	Intermediate Hamiltonian Fock-space coupled-cluster theory for excitation energies, double ionization potentials, and double electron attachments with spin-orbit coupling. <i>Journal of Chemical Physics</i> , 2022, 156, 114111.	3.0	1
23	Low-lying states of Ti <sub>2</sub> and Ni <sub>2</sub> with EOM-CC and FSCC methods. <i>Chemical Physics Letters</i> , 2021, 773, 138593.	2.6	0
24	Oxidatively Induced Selective Carbon-Carbon Bond Formation From Isolated Rhodium(III) Complexes. <i>Chemistry - A European Journal</i> , 2021, 27, 14317-14321.	3.3	0
25	Rhodium(II)-Catalyzed C(sp <sup>3</sup> )-H Diamination of Arylcyclobutanes. <i>Angewandte Chemie</i> , 0, , .	2.0	0