Zhi-Fan Wang

List of Publications by Year
in descending order

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		1307594	1199594
25	176	7	12
papers	citations	h-index	g-index

26	26	26	160
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iron catalyzed Câ€“C dehydrogenative coupling reaction: synthesis of arylquinones from quinones/hydroquinones. RSC Advances, 2022, 12, 3783-3787.	3.6	3
2	Intermediate Hamiltonian Fock-space coupled-cluster theory for excitation energies, double ionization potentials, and double electron attachments with spinâ€“orbit coupling. Journal of Chemical Physics, 2022, 156, 114111.	3.0	1
3	Rhodium(II)â€Catalyzed C(sp³)â^'H Diamination of Arylcyclobutanes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	6
4	Effects of ligands on excitation energies of [<scp>UO₂X₄</scp>]^{2â^'} and <scp>UO₂X₂</scp> (XÂ=ÂF, Cl) with the equationâ€ofâ€motion coupledâ€cluster theory. International Journal of Quantum Chemistry, 2022, 122, .	2.0	2
5	Assembly of polycyclic N-heterocycles via copper-catalyzed cycloamination of indolylquinones and aromatic amines. Organic and Biomolecular Chemistry, 2021, 19, 4593-4598.	2.8	6
6	Dirhodium(<scp>ii</scp>)-catalyzed diamination reaction via a free radical pathway. Organic Chemistry Frontiers, 2021, 8, 5098-5104.	4.5	13
7	Low-lying states of Tl2 and Nh2 with EOM-CC and FSCC methods. Chemical Physics Letters, 2021, 773, 138593.	2.6	0
8	Oxidatively Induced Selective Carbonâ€Carbon Bond Formation From Isolated Rhodium(III) Complexes. Chemistry - A European Journal, 2021, 27, 14317-14321.	3.3	0
9	Single-precision open-shell CCSD and CCSD(T) calculations on graphics processing units. Physical Chemistry Chemical Physics, 2020, 22, 25103-25111.	2.8	8
10	Approximate equation-of-motion coupled-cluster methods for electron affinities of closed-shell molecules. Journal of Chemical Physics, 2020, 152, 124111.	3.0	5
11	Treating spin-orbit coupling at different levels in equation-of-motion coupled-cluster calculations. Molecular Physics, 2020, 118, e1785029.	1.7	6
12	2â€Chloroimidazolium Chloride as a Coupling Reagent for Amide Bond Formation. ChemistrySelect, 2020, 5, 4596-4600.	1.5	4
13	Splittings of d8 configurations of late-transition metals with EOM-DIP-CCSD and FSCCSD methods. Journal of Chemical Physics, 2020, 152, 134105.	3.0	2
14	Equation-of-motion coupled-cluster theory for double electron attachment with spinâ€“orbit coupling. Journal of Chemical Physics, 2020, 153, 214118.	3.0	8
15	Low-lying states of MX2 (M = Ag, Au; X = Cl, Br and I) with coupled-cluster approaches: effect of the basis set, high level correlation and spinâ€“orbit coupling. Physical Chemistry Chemical Physics, 2020, 22, 26178-26188.	2.8	2
16	A corrected CIS(Dâ^ž) method for valence and Rydberg excitation energies. Chemical Physics Letters, 2019, 730, 54-59.	2.6	3
17	Dirhodium(II)-catalyzed [3 + 2] cycloaddition of N-arylaminocyclopropane with alkyne derivatives. Beilstein Journal of Organic Chemistry, 2019, 15, 542-550.	2.2	10
18	Properties of closed-shell superheavy element hydrides and halides using coupled-cluster method and density functional theory with spin-orbit coupling. Journal of Chemical Physics, 2018, 148, 044304.	3.0	8

#	Article	IF	Citations
19	Equation-of-motion coupled-cluster method for doubly ionized states with spin-orbit coupling. Journal of Chemical Physics, 2015, 142, 144109.	3.0	21
20	Analysis of a failure of the CC2 coupled-cluster method for bond lengths of SnO and PbO. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	5
21	Equation-of-Motion Coupled-Cluster Theory for Excitation Energies of Closed-Shell Systems with Spinâ€“Orbit Coupling. Journal of Chemical Theory and Computation, 2014, 10, 5567-5576.	5.3	45
22	Spinâ€“orbit coupling and electron correlation at various coupled-cluster levels for closed-shell diatomic molecules. Physical Chemistry Chemical Physics, 2013, 15, 17922.	2.8	11
23	Energy correction and analytic energy gradients due to triples in CCSD(T) with spinâ€“orbit coupling on graphic processing units using single-precision data. Molecular Physics, 0, , .	1.7	2
24	C(sp³)â€“H 1,3-diamination of cumene derivatives catalyzed by a dirhodium(<scp>ii</scp>) catalyst. Organic Chemistry Frontiers, 0, , .	4.5	5
25	Rhodium(II)â€Catalyzed C(sp3)â€“H Diamination of Arylcyclobutanes. Angewandte Chemie, 0, , .	2.0	0