

# Zikuan Wang

## List of Publications by Year in descending order

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23  
papers

501  
citations

759233

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677142

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic-then-Static Approach for Core Excitations of Open-Shell Molecules. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7409-7417.	4.6	19
2	iOI: An Iterative Orbital Interaction Approach for Solving the Self-Consistent Field Problem. <i>Journal of Chemical Theory and Computation</i> , 2021, 17, 4831-4845.	5.3	7
3	Tuning the UV/Vis Absorption Spectra of Electrochromic Small Molecular Radicals Through Bridge Modulation. <i>ChemPhysChem</i> , 2021, 22, 1684-1691.	2.1	3
4	NAC-TDDFT: Time-Dependent Density Functional Theory for Nonadiabatic Couplings. <i>Accounts of Chemical Research</i> , 2021, 54, 3288-3297.	15.6	17
5	Visible-Light-Induced Living/Controlled Radical Copolymerization of 1-Octene and Acrylic Monomers Mediated by Organocobalt Complexes. <i>Macromolecules</i> , 2020, 53, 212-222.	4.8	9
6	Analytic energy gradients of spin-adapted open-shell time-dependent density functional theory. <i>Journal of Chemical Physics</i> , 2020, 153, 164109.	3.0	20
7	Levels and inhalation health risk of neonicotinoid insecticides in fine particulate matter (PM <sub>2.5</sub> ) in urban and rural areas of China. <i>Environment International</i> , 2020, 142, 105822.	10.0	46
8	BDF: A relativistic electronic structure program package. <i>Journal of Chemical Physics</i> , 2020, 152, 064113.	3.0	79
9	Chlorination versus hydroxylation selectivity mediated by the non-heme iron halogenase WelO5. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8699-8712.	2.8	16
10	Adsorption and Self-assembly of meso-tetra(p-methoxyphenyl)-porphyrinatocobalt(II) on Coinage Metal Surfaces. <i>Acta Chimica Sinica</i> , 2020, 78, 695.	1.4	3
11	C-H and C-N Bond Activation of Tertiary Amines by Cationic Germanium(IV) Corrole. <i>Organometallics</i> , 2019, 38, 2412-2416.	2.3	12
12	Thermodynamic and reactivity studies of a tin corrole-cobalt porphyrin heterobimetallic complex. <i>Chemical Science</i> , 2018, 9, 4999-5007.	7.4	7
13	Synthesis, Characterization, and Reactivity Studies of Subphthalocyanine Boron Triflate. <i>Organometallics</i> , 2017, 36, 285-290.	2.3	6
14	Beyond carbocations: Synthesis, structure and reactivity of heavier Group 14 element cations. <i>Coordination Chemistry Reviews</i> , 2017, 344, 214-237.	18.8	35
15	Visible-light-induced synthesis of polymers with versatile end groups mediated by organocobalt complexes. <i>Polymer Chemistry</i> , 2017, 8, 6033-6038.	3.9	13
16	Facile Rh-C Bond Cleavage of Rhodium(III) Benzyl Porphyrin Complex in DMSO with Strong Bases. <i>Israel Journal of Chemistry</i> , 2016, 56, 188-191.	2.3	1
17	Light induced catalytic hydrodefluorination of perfluoroarenes by porphyrin rhodium. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 861-865.	6.0	18
18	Light induced catalytic intramolecular hydrofunctionalization of allylphenols mediated by porphyrin rhodium complexes. <i>Dalton Transactions</i> , 2016, 45, 13308-13310.	3.3	6

#	ARTICLE	IF	CITATIONS
19	Metal-free aerobic oxidative coupling of amines in dimethyl sulfoxide via a radical pathway. RSC Advances, 2016, 6, 10861-10864.	3.6	27
20	Visible light promoted hydration of alkynes catalyzed by rhodium( <i>iii</i> ) porphyrins. Chemical Communications, 2015, 51, 11896-11898.	4.1	33
21	Aerobic oxidative N-dealkylation of secondary amines in aqueous solution catalyzed by rhodium porphyrins. Journal of Porphyrins and Phthalocyanines, 2014, 18, 937-943.	0.8	11
22	Intramolecular oxidative cyclization of alkenes by rhodium/cobalt porphyrins in water. Inorganic Chemistry Frontiers, 2014, 1, 544-548.	6.0	10
23	Azobisisobutyronitrile Initiated Aerobic Oxidative Transformation of Amines: Coupling of Primary Amines and Cyanation of Tertiary Amines. Organic Letters, 2012, 14, 5692-5695.	4.6	103