Zhen Guo

List of Publications by Year in descending order

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30 papers	911 citations	567281 15 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	1088 citing authors

#	Article	IF	Citations
1	Rhodium-catalyzed reaction of diazoquinones with allylboronates to synthesize allylphenols. Organic Chemistry Frontiers, 2022, 9, 3677-3683.	4.5	3
2	One-Dimensional/Two-Dimensional Homo-Orientation Co₃O₄/NiCo₂O₄ Nanoarray toward Ultrastable Hybrid Supercapacitor. Energy & Fuels, 2021, 35, 4524-4532.	5.1	31
3	Synthesis and evaluation of the epithelial-to- mesenchymal inhibitory activity of indazole-derived imidazoles as dual ALK5/p38Î± MAP inhibitors. European Journal of Medicinal Chemistry, 2021, 216, 113311.	5.5	9
4	Visible-Light Carbon Nitride-Catalyzed Aerobic Cyclization of Thiobenzanilides under Ambient Air Conditions. Organic Letters, 2021, 23, 4843-4848.	4.6	27
5	Protonation-induced dual fluorescence of a blue fluorescent material with twisted Aâ€“Ïâ€“Dâ€“Ïâ€“A configuration. Journal of Materials Chemistry C, 2020, 8, 2442-2450.	5.5	14
6	Unveiling the Mechanism, Origin of Stereoselectivity, and Ligand-Dependent Reactivity in the Pd(II)-Catalyzed Unbiased Methylene C(sp³)â€“H Alkenylationâ€“Aza-Wacker Cyclization Reaction. Journal of Organic Chemistry, 2020, 85, 13191-13203.	3.2	7
7	Mechanistic Insights into Ni-Catalyzed Difunctionalization of Alkenes Using Organoboronic Acids and Organic Halides: Understanding Remarkable Substrate-Dependent Regioselectivity. Organometallics, 2020, 39, 2057-2067.	2.3	9
8	A Theoretical Study on Pd-catalyzed, Friedel-Crafts Intermolecular Acylation: Does Generated In Situ Aroyl Triflate Act as A Reactive Electrophile to Functionalize Câ€“H Bond of Arenes?. Catalysts, 2019, 9, 141.	3.5	1
9	A theoretical study on the oxidation of alkenes to aldehydes catalyzed by ruthenium porphyrins using O₂ as the sole oxidant. Dalton Transactions, 2018, 47, 5286-5297.	3.3	8
10	Do two oxidants (ferric-peroxo and ferryl-oxo species) act in the biosynthesis of estrogens? A DFT calculation. RSC Advances, 2018, 8, 15196-15201.	3.6	5
11	Endohedral Regulator for Metallofullerene Chemical Property: Dielsâ€“Alder Reaction Studies of Sc_xY_{3â€x}N@C₈₀â€I_h (x=0â€3). ChemistrySelect, 2018, 3, 1495-1498.	1.5	2
12	Stereoselective Construction of Complex Spirooxindoles via Bisthiourea Catalyzed Threeâ€Component Reactions. Chinese Journal of Chemistry, 2018, 36, 1182-1186.	4.9	14
13	Remote Control of Axial Chirality: Synthesis of Spirooxindoleâ€“Urazoles via Desymmetrization of ATAD. Organic Letters, 2018, 20, 6022-6026.	4.6	43
14	Computational study on palladium-catalyzed alkenylation of remote Î´-C(sp³)â€“H bonds with alkynes: a new understanding of mechanistic insight and origins of site-selectivity. RSC Advances, 2018, 8, 30186-30190.	3.6	4
15	Direct Photocatalytic Synthesis of Mediumâ€Sized Lactams by Cα–C Bond Cleavage. Angewandte Chemie - International Edition, 2018, 57, 14225-14229.	13.8	104
16	Mechanistic Insights into the Niâ€Catalyzed Reductive Carboxylation of Cα–O Bonds in Aromatic Esters with CO₂: Understanding Remarkable Ligand and Traceless‐Directing‐Group Effects. Chemistry - an Asian Journal, 2018, 13, 1570-1581.	3.3	5
17	Oximinotrifluoromethylation of unactivated alkenes under ambient conditions. Chemical Communications, 2018, 54, 8885-8888.	4.1	39
18	Hydrofunctionalization of alkenols triggered by the addition of diverse radicals to unactivated alkenes and subsequent remote hydrogen atom translocation. Organic Chemistry Frontiers, 2018, 5, 2810-2814.	4.5	19

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19	Highly Efficient Deep-Blue Electroluminescence from a Aâˆ'Ï€â€"Dâˆ'Ï€â€"A Structure Based Fluoresence Material with Exciton Utilizing Efficiency above 25%. ACS Applied Energy Materials, 2018, 1, 3243-3254.	5.1	23
20	Octamethyl-substituted Pd(<scp>ii</scp>) phthalocyanine with long carrier lifetime as a dopant-free hole selective material for performance enhancement of perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 24416-24424.	10.3	45
21	Diels-Alder Reactivity of Metallofullerene Sc₃ N@C₇₈ and Structure Elucidation on Its Products. ChemistrySelect, 2017, 2, 8880-8885.	1.5	6
22	Radical aryl migration enables diversity-oriented synthesis of structurally diverse medium/macro- or bridged-rings. Nature Communications, 2016, 7, 13852.	12.8	155
23	Nickel(0)-Catalyzed Denitrogenative Transannulation of Benzotriazinones with Alkynes: Mechanistic Insights of Chemical Reactivity and Regio- and Enantioselectivity from Density Functional Theory and Experiment. ACS Catalysis, 2016, 6, 3496-3505.	11.2	33
24	Catalytic Diverse Radical-Mediated 1,2-Cyanofunctionalization of Unactivated Alkenes via Synergistic Remote Cyano Migration and Protected Strategies. Organic Letters, 2016, 18, 6026-6029.	4.6	72
25	Asymmetric Synthesis of Axially Chiral Isoquinolones: Nickelâ€Catalyzed Denitrogenative Transannulation. Angewandte Chemie - International Edition, 2015, 54, 9528-9532.	13.8	83
26	Binding energies and interaction origins between nonclassical single-electron hydrogen, sodium and lithium bonds and neutral boron-containing radicals: a theoretical investigation. Science Bulletin, 2014, 59, 2597-2607.	1.7	1
27	Bis(sulfonylimide)ruthenium(VI) Porphyrins: Xâ€ray Crystal Structure and Mechanism of Cï£¿H Bond Amination by Density Functional Theory Calculations. Chemistry - A European Journal, 2013, 19, 11320-11331.	3.3	40
28	Influence of Water Hydrogen Bonding on the Reactions of Arylnitrenium Ions With Guanosine: Hydrogen-Bonding Effects Can Favor Reaction at the C8 Site. Journal of Physical Chemistry B, 2009, 113, 6528-6532.	2.6	13
29	An Experimental and Theoretical Study of NSCl Decomposition in the Presence of Trace Amounts of Water. Journal of Physical Chemistry A, 2008, 112, 8561-8568.	2.5	9
30	Halogen-Bonding-Promoted Câ€"H Malonylation of Indoles under Visible-Light Irradiation. Journal of Organic Chemistry, 0, , .	3.2	4