

# Zhen Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Radical aryl migration enables diversity-oriented synthesis of structurally diverse medium/macro- or bridged-rings. <i>Nature Communications</i> , 2016, 7, 13852.  | 12.8 | 155       |
| 2  | Direct Photocatalytic Synthesis of Medium-Sized Lactams by C-C Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14225-14229.   | 13.8 | 104       |
| 3  | Asymmetric Synthesis of Axially Chiral Isoquinolones: Nickel-Catalyzed Denitrogenative Transannulation. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9528-9532.   | 13.8 | 83        |
| 4  | Catalytic Diverse Radical-Mediated 1,2-Cyanofunctionalization of Unactivated Alkenes via Synergistic Remote Cyano Migration and Protected Strategies. <i>Organic Letters</i> , 2016, 18, 6026-6029.   | 4.6  | 72        |
| 5  | Octamethyl-substituted Pd( <i>scp</i> ) phthalocyanine with long carrier lifetime as a dopant-free hole selective material for performance enhancement of perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24416-24424.             | 10.3 | 45        |
| 6  | Remote Control of Axial Chirality: Synthesis of Spirooxindole-Urazoles via Desymmetrization of ATAD. <i>Organic Letters</i> , 2018, 20, 6022-6026.  | 4.6  | 43        |
| 7  | Bis(sulfonylimide)ruthenium(VI) Porphyrins: X-ray Crystal Structure and Mechanism of C-H Bond Amination by Density Functional Theory Calculations. <i>Chemistry - A European Journal</i> , 2013, 19, 11320-11331.   | 3.3  | 40        |
| 8  | Oximinotrifluoromethylation of unactivated alkenes under ambient conditions. <i>Chemical Communications</i> , 2018, 54, 8885-8888.  | 4.1  | 39        |
| 9  | Nickel(0)-Catalyzed Denitrogenative Transannulation of Benzotriazinones with Alkynes: Mechanistic Insights of Chemical Reactivity and Regio- and Enantioselectivity from Density Functional Theory and Experiment. <i>ACS Catalysis</i> , 2016, 6, 3496-3505. | 11.2 | 33        |
| 10 | One-Dimensional/Two-Dimensional Homo-Orientation Co <sub>3</sub> O <sub>4</sub> /NiCo <sub>2</sub> O <sub>4</sub> Nanoarray toward Ultrastable Hybrid Supercapacitor. <i>Energy &amp; Fuels</i> , 2021, 35, 4524-4532.  | 5.1  | 31        |
| 11 | Visible-Light Carbon Nitride-Catalyzed Aerobic Cyclization of Thiobenzanilides under Ambient Air Conditions. <i>Organic Letters</i> , 2021, 23, 4843-4848.  | 4.6  | 27        |
| 12 | Highly Efficient Deep-Blue Electroluminescence from a A Structure Based Fluorescence Material with Exciton Utilizing Efficiency above 25%. <i>ACS Applied Energy Materials</i> , 2018, 1, 3243-3254.  | 5.1  | 23        |
| 13 | Hydrofunctionalization of alkenols triggered by the addition of diverse radicals to unactivated alkenes and subsequent remote hydrogen atom translocation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2810-2814.   | 4.5  | 19        |
| 14 | Stereoselective Construction of Complex Spirooxindoles via Bisthiourea Catalyzed Three-Component Reactions. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1182-1186.  | 4.9  | 14        |
| 15 | Protonation-induced dual fluorescence of a blue fluorescent material with twisted A configuration. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2442-2450.  | 5.5  | 14        |
| 16 | Influence of Water Hydrogen Bonding on the Reactions of Arylnitrenium Ions With Guanosine: Hydrogen-Bonding Effects Can Favor Reaction at the C8 Site. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6528-6532.   | 2.6  | 13        |
| 17 | An Experimental and Theoretical Study of NSCl Decomposition in the Presence of Trace Amounts of Water. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8561-8568.   | 2.5  | 9         |
| 18 | Mechanistic Insights into Ni-Catalyzed Difunctionalization of Alkenes Using Organoboronic Acids and Organic Halides: Understanding Remarkable Substrate-Dependent Regioselectivity. <i>Organometallics</i> , 2020, 39, 2057-2067.                             | 2.3  | 9         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Synthesis and evaluation of the epithelial-to-mesenchymal inhibitory activity of indazole-derived imidazoles as dual ALK5/p38 $\beta$ MAP inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 216, 113311.   | 5.5 | 9         |
| 20 | A theoretical study on the oxidation of alkenes to aldehydes catalyzed by ruthenium porphyrins using O <sub>2</sub> as the sole oxidant. <i>Dalton Transactions</i> , 2018, 47, 5286-5297.  | 3.3 | 8         |
| 21 | Unveiling the Mechanism, Origin of Stereoselectivity, and Ligand-Dependent Reactivity in the Pd(II)-Catalyzed Unbiased Methylene C(sp <sup>3</sup> ) $\alpha$ -H Alkenylation $\alpha$ -Aza-Wacker Cyclization Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 13191-13203.               | 3.2 | 7         |
| 22 | Diels-Alder Reactivity of Metallofullerene Sc <sub>3</sub> N@C <sub>78</sub> and Structure Elucidation on Its Products. <i>ChemistrySelect</i> , 2017, 2, 8880-8885.  | 1.5 | 6         |
| 23 | Do two oxidants (ferric-peroxo and ferryl-oxo species) act in the biosynthesis of estrogens? A DFT calculation. <i>RSC Advances</i> , 2018, 8, 15196-15201.   | 3.6 | 5         |
| 24 | Mechanistic Insights into the Ni $\alpha$ -Catalyzed Reductive Carboxylation of C $\alpha$ -O Bonds in Aromatic Esters with CO <sub>2</sub> : Understanding Remarkable Ligand and Traceless $\alpha$ -Directing $\alpha$ -Group Effects. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1570-1581. | 3.3 | 5         |
| 25 | Computational study on palladium-catalyzed alkenylation of remote $\alpha$ -C(sp <sup>3</sup> ) $\alpha$ -H bonds with alkynes: a new understanding of mechanistic insight and origins of site-selectivity. <i>RSC Advances</i> , 2018, 8, 30186-30190.   | 3.6 | 4         |
| 26 | Halogen-Bonding-Promoted C $\alpha$ -H Malonylation of Indoles under Visible-Light Irradiation. <i>Journal of Organic Chemistry</i> , 0, , .  | 3.2 | 4         |
| 27 | Rhodium-catalyzed reaction of diazoquinones with allylboronates to synthesize allylphenols. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3677-3683.  | 4.5 | 3         |
| 28 | Endohedral Regulator for Metallofullerene Chemical Property: Diels $\alpha$ -Alder Reaction Studies of Sc <sub>3</sub> @Y <sub>3</sub> @i>x</i>N@C <sub>80</sub> @i>h</i> (<i>x</i>=0 $\alpha$ 3). <i>ChemistrySelect</i> , 2018, 3, 1495-1498.   | 1.5 | 2         |
| 29 | Binding energies and interaction origins between nonclassical single-electron hydrogen, sodium and lithium bonds and neutral boron-containing radicals: a theoretical investigation. <i>Science Bulletin</i> , 2014, 59, 2597-2607.   | 1.7 | 1         |
| 30 | A Theoretical Study on Pd-catalyzed, Friedel-Crafts Intermolecular Acylation: Does Generated In Situ Aroyl Triflate Act as A Reactive Electrophile to Functionalize C $\alpha$ -H Bond of Arenes?. <i>Catalysts</i> , 2019, 9, 141.   | 3.5 | 1         |