

Chen Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9449080/publications.pdf>

Version: 2024-02-01

27
papers

551
citations

759233

12
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

606
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Cobalt-Catalyzed Carbo- and Hydrocyanation of Alkynes via C≡CN Bond Activation. ACS Catalysis, 2022, 12, 4054-4066. | 11.2 | 11 |
| 2 | Robust Cobalt Catalyst for Nitrile/Alkyne [2+2+2] Cycloaddition: Synthesis of Polyarylpyridines and Their Mechanochemical Cyclodehydrogenation to Nitrogen-Containing Polyaromatics**. Angewandte Chemie, 2021, 133, 9713-9720. | 2.0 | 4 |
| 3 | Robust Cobalt Catalyst for Nitrile/Alkyne [2+2+2] Cycloaddition: Synthesis of Polyarylpyridines and Their Mechanochemical Cyclodehydrogenation to Nitrogen-Containing Polyaromatics**. Angewandte Chemie - International Edition, 2021, 60, 9627-9634. | 13.8 | 34 |
| 4 | Ritter-type iodoamidation of unactivated alkynes for the stereoselective synthesis of multisubstituted enamides. Chemical Science, 2021, 12, 15128-15133. | 7.4 | 17 |
| 5 | Synthesis of [60]fullerene-fused dihydrobenzooxazepines via the palladium-catalyzed oxime-directed C-H bond activation and subsequent electrochemical functionalization. Organic Chemistry Frontiers, 2020, 7, 2518-2525. | 4.5 | 8 |
| 6 | Stereoselective Access to Highly Substituted Vinyl Ethers via trans-Difunctionalization of Alkynes with Alcohols and Iodine(III) Electrophile. Journal of the American Chemical Society, 2020, 142, 8619-8624. | 13.7 | 64 |
| 7 | Computational study on the mechanism of CBT-Cys click reaction. Computational and Theoretical Chemistry, 2020, 1185, 112874. | 2.5 | 3 |
| 8 | Cobalt/Lewis Acid Catalysis for Hydrocarbofunctionalization of Alkynes via Cooperative C-H Activation. Journal of the American Chemical Society, 2020, 142, 12878-12889. | 13.7 | 51 |
| 9 | Site-selective aromatic C-H iodination with a cyclic iodine electrophile in solution and solid phases. Chemical Science, 2020, 11, 7356-7361. | 7.4 | 15 |
| 10 | Six-Step Total Synthesis of (±)-Conolidine. Journal of Natural Products, 2019, 82, 2972-2978. | 3.0 | 10 |
| 11 | Mechanistic study on the Knorr pyrazole synthesis-thioester generation reaction. Tetrahedron Letters, 2019, 60, 1999-2004. | 1.4 | 3 |
| 12 | Amphiphilic Optimization Enables Polyaspartamides with Effective Kinetic Inhibition of Tetrahydrofuran Hydrate Formation: Structure-Property Relationships. ACS Sustainable Chemistry and Engineering, 2018, 6, 13532-13542. | 6.7 | 20 |
| 13 | Theoretical study on abnormal trans-effect of chloride, bromide and iodide ligands in iridium complexes. Computational and Theoretical Chemistry, 2018, 1138, 1-6. | 2.5 | 2 |
| 14 | PAHs and heavy metals in the surrounding soil of a cement plant Co-Processing hazardous waste. Chemosphere, 2018, 210, 247-256. | 8.2 | 47 |
| 15 | A Ligand-Dissociation-Involved Mechanism in Amide Formation of Monofluoroacylboronates with Hydroxylamines. Journal of Organic Chemistry, 2017, 82, 1064-1072. | 3.2 | 13 |
| 16 | Supramolecular self-assembly of a polyelectrolyte chain based on step-growth polymerization of hydrophobic and hydrophilic monomers. RSC Advances, 2017, 7, 52832-52840. | 3.6 | 3 |
| 17 | Fast and catalyst-free hydrazone ligation via ortho-halo-substituted benzaldehydes for protein C-terminal labeling at neutral pH. Chemical Communications, 2015, 51, 13189-13192. | 4.1 | 15 |
| 18 | Decomposition of 2-Mercaptoethyl Oxide Ester: S _N 2 Displacement or Acyl Transfer? A Theoretical Study. Chinese Journal of Chemistry, 2014, 32, 335-342. | 4.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Mechanism of arylboronic acid-catalyzed amidation reaction between carboxylic acids and amines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2140. | 2.8 | 44 |
| 20 | Nitrogen-Centered Nucleophile Catalyzed Thiol-Vinylsulfone Addition, Another Thiol-ene "Click" Reaction. <i>ACS Macro Letters</i> , 2012, 1, 811-814. | 4.8 | 70 |
| 21 | Theoretical study on formation of thioesters via O-to-S acyl transfer. <i>Science China Chemistry</i> , 2012, 55, 2075-2080. | 8.2 | 12 |
| 22 | Mechanism of Imidazole-Promoted Ligation of Peptide Phenyl Esters. <i>Chinese Journal of Chemistry</i> , 2012, 30, 1974-1979. | 4.9 | 7 |
| 23 | Theoretical Analysis of the Detailed Mechanism of Native Chemical Ligation Reactions. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1241-1251. | 3.3 | 41 |
| 24 | Theoretical estimation of Hammett ρ constants of organic radical groups. <i>Science Bulletin</i> , 2010, 55, 2904-2908. | 1.7 | 3 |
| 25 | First-Principles Prediction of Nucleophilicity Parameters for π Nucleophiles: Implications for Mechanistic Origin of Mayr's Equation. <i>Chemistry - A European Journal</i> , 2010, 16, 2586-2598. | 3.3 | 41 |
| 26 | Predicting Rate Constants for Nucleophilic Reactions of Amines with Diarylcarbenium Ions Using an ONIOM Method. <i>Chinese Journal of Chemical Physics</i> , 2010, 23, 669-674. | 1.3 | 2 |
| 27 | Theoretical Study on Catalyst Activation of Palladacycles in Heck Reaction. <i>Chinese Journal of Chemistry</i> , 2008, 26, 358-362. | 4.9 | 8 |