

# Chen Wang

## List of Publications by Year in descending order

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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	Nitrogen-Centered Nucleophile Catalyzed Thiol-Vinylsulfone Addition, Another Thiol-ene "Click" Reaction. ACS Macro Letters, 2012, 1, 811-814.	4.8	70
2	Stereoselective Access to Highly Substituted Vinyl Ethers via <i>trans</i> -Difunctionalization of Alkynes with Alcohols and Iodine(III) Electrophile. Journal of the American Chemical Society, 2020, 142, 8619-8624.	13.7	64
3	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
4	PAHs and heavy metals in the surrounding soil of a cement plant Co-Processing hazardous waste. Chemosphere, 2018, 210, 247-256.	8.2	47
5	Mechanism of arylboronic acid-catalyzed amidation reaction between carboxylic acids and amines. Organic and Biomolecular Chemistry, 2013, 11, 2140.	2.8	44
6	First-Principles Prediction of Nucleophilicity Parameters for $\pi$ Nucleophiles: Implications for Mechanistic Origin of Mayr's Equation. Chemistry - A European Journal, 2010, 16, 2586-2598.	3.3	41
7	Theoretical Analysis of the Detailed Mechanism of Native Chemical Ligation Reactions. Chemistry - an Asian Journal, 2011, 6, 1241-1251.	3.3	41
8	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
9	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
10	Ritter-type iodoamidation of unactivated alkynes for the stereoselective synthesis of multisubstituted enamides. Chemical Science, 2021, 12, 15128-15133.	7.4	17
11	Fast and catalyst-free hydrazone ligation <i>via</i> ortho-halo-substituted benzaldehydes for protein C-terminal labeling at neutral pH. Chemical Communications, 2015, 51, 13189-13192.	4.1	15
12	Site-selective aromatic C-H <sup>3</sup> -iodination with a cyclic iodine electrophile in solution and solid phases. Chemical Science, 2020, 11, 7356-7361.	7.4	15
13	A Ligand-Dissociation-Involved Mechanism in Amide Formation of Monofluoroacylboronates with Hydroxylamines. Journal of Organic Chemistry, 2017, 82, 1064-1072.	3.2	13
14	Theoretical study on formation of thioesters via O-to-S acyl transfer. Science China Chemistry, 2012, 55, 2075-2080.	8.2	12
15	Cobalt-Catalyzed Carbo- and Hydrocyanation of Alkynes via C-CN Bond Activation. ACS Catalysis, 2022, 12, 4054-4066.	11.2	11
16	Six-Step Total Synthesis of (±)-Conolidine. Journal of Natural Products, 2019, 82, 2972-2978.	3.0	10
17	Theoretical Study on Catalyst Activation of Palladacycles in Heck Reaction. Chinese Journal of Chemistry, 2008, 26, 358-362.	4.9	8
18	Synthesis of [60]fullerene-fused dihydrobenzooxazepines <i>via</i> the palladium-catalyzed oxime-directed C-H bond activation and subsequent electrochemical functionalization. Organic Chemistry Frontiers, 2020, 7, 2518-2525.	4.5	8

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19	Mechanism of Imidazole-Promoted Ligation of Peptide Phenyl Esters. Chinese Journal of Chemistry, 2012, 30, 1974-1979.	4.9	7
20	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
21	Theoretical estimation of Hammett $\rho$ constants of organic radical groups. Science Bulletin, 2010, 55, 2904-2908.	1.7	3
22	Decomposition of 2-Mercaptoethyl $\alpha$ -Ester: S <sub>N</sub> 2 Displacement or Acyl Transfer? A Theoretical Study. Chinese Journal of Chemistry, 2014, 32, 335-342.	4.9	3
23	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
24	Mechanistic study on the Knorr pyrazole synthesis-thioester generation reaction. Tetrahedron Letters, 2019, 60, 1999-2004.	1.4	3
25	Computational study on the mechanism of CBT-Cys click reaction. Computational and Theoretical Chemistry, 2020, 1185, 112874.	2.5	3
26	Predicting Rate Constants for Nucleophilic Reactions of Amines with Diarylcarbenium Ions Using an ONIOM Method. Chinese Journal of Chemical Physics, 2010, 23, 669-674.	1.3	2
27	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