

# Wandi Zhang

## List of Publications by Year in descending order

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11  
papers

745  
citations

840776

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1199594

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Enantioselective Carbonyl Allylation and Propargylation via Alcohol-Mediated Hydrogen Transfer: Merging the Chemistry of Grignard and Sabatier. <i>Accounts of Chemical Research</i> , 2017, 50, 2371-2380.	15.6	234
2	Assessing Cholesterol Storage in Live Cells and <i>C. elegans</i> by Stimulated Raman Scattering Imaging of Phenyl-Diyne Cholesterol. <i>Scientific Reports</i> , 2015, 5, 7930.	3.3	122
3	Enantioselective Ruthenium-Catalyzed Carbonyl Allylation via Alkyne- $\alpha$ -Alcohol $C-C$ Bond-Forming Transfer Hydrogenation: Allene Hydrometalation vs Oxidative Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 3161-3164.	13.7	78
4	Rhodium-Catalyzed Aldehyde Arylation via Formate-Mediated Transfer Hydrogenation: Beyond Metallic Reductants in Grignard/Nozaki-Hiyami-Kishi-Type Addition. <i>Journal of the American Chemical Society</i> , 2019, 141, 1828-1832.	13.7	50
5	Divergent Total Syntheses of Lyconadins A and C. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3922-3925.	13.8	47
6	Iridium-Catalyzed $C-C$ Coupling of a Simple Propargyl Ether with Primary Alcohols: Enantioselective Homoaldol Addition via Redox-Triggered ( <i>Z</i> )-Siloxyallylation. <i>Journal of the American Chemical Society</i> , 2015, 137, 16024-16027.	13.7	45
7	Ruthenium Catalyzed Diastereo- and Enantioselective Coupling of Propargyl Ethers with Alcohols: Siloxy-Crotylation via Hydride Shift Enabled Conversion of Alkynes to $\beta$ -Allyls. <i>Journal of the American Chemical Society</i> , 2015, 137, 13066-13071.	13.7	44
8	Conversion of Aldehydes to Branched or Linear Ketones via Regiodivergent Rhodium-Catalyzed Vinyl Bromide Reductive Coupling-Redox Isomerization Mediated by Formate. <i>Journal of the American Chemical Society</i> , 2019, 141, 6864-6868.	13.7	41
9	Synthesis of nitriles via palladium-catalyzed water shuffling from amides to acetonitrile. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9109-9112.	2.8	27
10	Carbonyl <i>anti</i> -( $\beta$ -Amino)allylation via Ruthenium Catalyzed Hydrogen Autotransfer: Use of an Acetylenic Pyrrole as an Allylmetal Pronucleophile. <i>Organic Letters</i> , 2017, 19, 4876-4879.	4.6	25
11	Selection between Diastereomeric Kinetic vs Thermodynamic Carbonyl Binding Modes Enables Enantioselective Iridium-Catalyzed <i>anti</i> -( $\beta$ -Aryl)allylation of Aqueous Fluoral Hydrate and Difluoroacetaldehyde Ethyl Hemiacetal. <i>Journal of the American Chemical Society</i> , 2018, 140, 9392-9395.	13.7	23