

# Tao Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

860  
citations

759233

12  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in the synthesis of axially chiral biaryls via transition metal-catalysed asymmetric C-H functionalization. <i>Chemical Communications</i> , 2019, 55, 8514-8523.	4.1	322
2	Pd(II)-Catalyzed Enantioselective Alkynylation of Unbiased Methylene C(sp <sup>3</sup> )-H Bonds Using 3,3'-Fluorinated-BINOL as a Chiral Ligand. <i>Journal of the American Chemical Society</i> , 2019, 141, 4558-4563.	13.7	109
3	Efficient Synthesis of Sulfur-Stereogenic Sulfoximines via Ru(II)-Catalyzed Enantioselective C-H Functionalization Enabled by Chiral Carboxylic Acid. <i>Journal of the American Chemical Society</i> , 2021, 143, 6810-6816.	13.7	106
4	Synthesis of Chiral $\beta$ -Lactams by Pd-Catalyzed Enantioselective Amidation of Methylene C(sp <sup>3</sup> )-H Bonds. <i>Chinese Journal of Chemistry</i> , 2020, 38, 242-246.	4.9	64
5	Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp <sup>3</sup> )-H Alkenylation/Aza-Wacker Cyclization to Access $\beta$ -Stereogenic $\beta$ -Lactams. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14060-14064.	13.8	50
6	HYPERVALENT IODINE IN SYNTHESIS. 77. AN EFFICIENT METHOD FOR THE SYNTHESIS OF N-ARYLINDOLES BY THE COPPER-CATALYZED N-ARYLATION OF INDOLE WITH DIARYLIODONIUM SALTS. <i>Synthetic Communications</i> , 2002, 32, 903-907.	2.1	39
7	HYPERVALENT IODINE IN SYNTHESIS. 75. A CONVENIENT SYNTHESIS OF OXADIAZOLES BY PALLADIUM-CATALYZED CARBONYLATION AND CYCLIZATION OF DIARYLIODONIUM SALTS AND AMIDOXIMES. <i>Synthetic Communications</i> , 2002, 32, 887-891.	2.1	31
8	HYPERVALENT IODINE IN SYNTHESIS. 52. PALLADIUM-CATALYZED ARYLATION OF O,O-DIALKYL PHOSPHITES WITH DIARYLIODONIUM SALTS: A CONVENIENT METHOD FOR SYNTHESIS OF ARYLPHOSPHONATES. <i>Synthetic Communications</i> , 2001, 31, 3289-3294.	2.1	29
9	Ir(III)-Catalyzed Asymmetric C-H Activation/Annulation of Sulfoximines Assisted by the Hydrogen-Bonding Interaction. <i>ACS Catalysis</i> , 2022, 12, 9083-9091.	11.2	22
10	Hypervalent iodine in synthesis 85: An efficient method for the synthesis of N-arylbenzimidazoles by the coppercatalyzed N-arylation of benzimidazole with diaryliodonium salts. <i>Heteroatom Chemistry</i> , 2002, 13, 617-619.	0.7	21
11	Synthesis of P- and S-Stereogenic Compounds via Enantioselective C-H Functionalization. <i>Synthesis</i> , 2022, 54, 4784-4794.	2.3	17
12	Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp <sup>3</sup> )-H Alkenylation/Aza-Wacker Cyclization to Access $\beta$ -Stereogenic $\beta$ -Lactams. <i>Angewandte Chemie</i> , 2020, 132, 14164-14168.	2.0	16
13	Pd-Catalyzed enantioselective arylation of unbiased methylene C(sp <sup>3</sup> )-H bonds enabled by a 3,3'-F <sub>2</sub> -BINOL ligand. <i>Chemical Communications</i> , 2021, 57, 5562-5565.	4.1	14
14	Pd(ii)-Catalyzed asymmetric intramolecular arylation of unbiased methylene C(sp <sup>3</sup> )-H bonds using readily accessible 3,3'-F <sub>2</sub> -BINOL as a chiral ligand. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2903-2908.	4.5	10
15	Synthesis of Chiral $\beta$ -Lactams by Pd-Catalyzed Enantioselective Amidation of Methylene C(sp <sup>3</sup> )-H Bonds Enabled by a 2-Pyridylisopropyl Auxiliary. <i>Chinese Journal of Chemistry</i> , 2020, 38, 527-528.	4.9	6
16	Synthesis of Chiral Sulfoxides via Pd(II)-Catalyzed Enantioselective C-H Alkynylation/Kinetic Resolution of 2-(Arylsulfinyl)pyridines. <i>Organic Letters</i> , 2021, 23, 7910-7915.	4.6	4
17	R <sup>1</sup> / <sub>4</sub> ctitelbild: Pd(II)-Catalyzed Tandem Enantioselective Methylene C(sp <sup>3</sup> )-H Alkenylation/Aza-Wacker Cyclization to Access $\beta$ -Stereogenic $\beta$ -Lactams ( <i>Angew. Chem.</i> 33/2020). <i>Angewandte Chemie</i> , 2020, 132, 14268-14268.	2.0	0