Zhongxing Huang

List of Publications by Year
in descending order

24 papers	1,584 citations	471509 17 h-index	642732 23 g-index
32 all docs	32 docs citations	32 times ranked	1748 citing authors

#	Article	IF	Citations
1	Transition metal-catalyzed ketone-directed or mediated Câ€“H functionalization. Chemical Society Reviews, 2015, 44, 7764-7786.	38.1	497
2	Palladium-Catalyzed Carbene Migratory Insertion Using Conjugated Eneâ€“Yneâ€“Ketones as Carbene Precursors. Journal of the American Chemical Society, 2013, 135, 13502-13511.	13.7	153
3	Site-Selectivity Control in Organic Reactions: A Quest To Differentiate Reactivity among the Same Kind of Functional Groups. Accounts of Chemical Research, 2017, 50, 465-471.	15.6	123
4	Catalytic Direct Î²-Arylation of Simple Ketones with Aryl Iodides. Journal of the American Chemical Society, 2013, 135, 17747-17750.	13.7	111
5	Catalytic CC bond forming transformations via direct Î²-CH functionalization of carbonyl compounds. Tetrahedron Letters, 2014, 55, 5869-5889.	1.4	92
6	A Hydrazoneâ€Based exoâ€Directingâ€Group Strategy for Î²â€…Câ€“H Oxidation of Aliphatic Amines. Angewandte Chemie - International Edition, 2016, 55, 5299-5303.	13.8	83
7	Catalytic Thia-Sommeletâ€“Hauser Rearrangement: Application to the Synthesis of Oxindoles. Organic Letters, 2011, 13, 1210-1213.	4.6	81
8	Palladium-catalyzed direct Î²-arylation of ketones with diaryliodonium salts: a stoichiometric heavy metal-free and user-friendly approach. Chemical Science, 2015, 6, 5491-5498.	7.4	64
9	Practical Direct Î±â€Arylation of Cyclopentanones by Palladium/Enamine Cooperative Catalysis. Angewandte Chemie - International Edition, 2016, 55, 2559-2563.	13.8	58
10	Catalytic palladium-oxyallyl cycloaddition. Science, 2018, 362, 564-568.	12.6	47
11	Autoâ€Tandem Catalysis: Synthesis of Acridines by Pdâ€Catalyzed C=C Bond Formation and C(sp²)â€“N Crossâ€Coupling. European Journal of Organic Chemistry, 2012, 2012, 6586-6593.	2.4	36
12	Rh(II)-catalyzed [2,3]-sigmatropic rearrangement of sulfur ylides derived from N-tosylhydrazones and sulfides. Tetrahedron, 2012, 68, 5234-5240.	1.9	36
13	Catalytic reductive desymmetrization of malonic esters. Nature Chemistry, 2021, 13, 634-642.	13.6	36
14	Cobalt-Catalyzed Intramolecular Alkyne/Benzocyclobutenone Coupling: Câ€“C Bond Cleavage via a Tetrahedral Dicobalt Intermediate. ACS Catalysis, 2018, 8, 845-849.	11.2	32
15	Total synthesis of bryostatin 3. Science, 2020, 368, 1007-1011.	12.6	24
16	Catalytic (3+2) Palladiumâ€Aminoallyl Cycloaddition with Conjugated Dienes. Angewandte Chemie - International Edition, 2019, 58, 6396-6399.	13.8	23
17	A Unified and Desymmetric Approach to Chiral Tertiary Alkyl Halides. Journal of the American Chemical Society, 2022, 144, 1951-1961.	13.7	19
18	A Hydrazoneâ€Based exoâ€Directingâ€Group Strategy for Î²â€…Câ€“H Oxidation of Aliphatic Amines. Angewandte Chemie, 2016, 128, 5385-5389.	2.0	18

#	Article	IF	Citations
19	Desymmetric Partial Reduction of Malonic Esters. Journal of the American Chemical Society, 2022, 144, 6918-6927.	13.7	17
20	Practical Direct Î±â€Arylation of Cyclopentanones by Palladium/Enamine Cooperative Catalysis. Angewandte Chemie, 2016, 128, 2605-2609.	2.0	15
21	Palladium-catalyzed redox cascade for direct Î²-arylation of ketones. Tetrahedron, 2018, 74, 3253-3265.	1.9	10
22	Catalytic (3+2) Palladiumâ€Aminoallyl Cycloaddition with Conjugated Dienes. Angewandte Chemie, 2019, 131, 6462-6465.	2.0	6
23	Studies on the Reactivity of Migrating Group in [2,3]-Sigmatropic Rearrangement of Sulfur Ylides. Acta Chimica Sinica, 2012, 70, 2024.	1.4	3
24	Sewing molecules together with light. Trends in Chemistry, 2022, , .	8.5	0