

Zhongxing Huang

List of Publications by Year in descending order

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Version: 2024-02-01

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	Sewing molecules together with light. Trends in Chemistry, 2022, , .	8.5	0
2	A Unified and Desymmetric Approach to Chiral Tertiary Alkyl Halides. Journal of the American Chemical Society, 2022, 144, 1951-1961.	13.7	19
3	Desymmetric Partial Reduction of Malonic Esters. Journal of the American Chemical Society, 2022, 144, 6918-6927.	13.7	17
4	Catalytic reductive desymmetrization of malonic esters. Nature Chemistry, 2021, 13, 634-642.	13.6	36
5	Total synthesis of bryostatin 3. Science, 2020, 368, 1007-1011.	12.6	24
6	Catalytic (3+2) Palladium- α -Aminoallyl Cycloaddition with Conjugated Dienes. Angewandte Chemie, 2019, 131, 6462-6465.	2.0	6
7	Catalytic (3+2) Palladium- α -Aminoallyl Cycloaddition with Conjugated Dienes. Angewandte Chemie - International Edition, 2019, 58, 6396-6399.	13.8	23
8	Cobalt-Catalyzed Intramolecular Alkyne/Benzocyclobutenone Coupling: C-C Bond Cleavage via a Tetrahedral Dicobalt Intermediate. ACS Catalysis, 2018, 8, 845-849.	11.2	32
9	Palladium-catalyzed redox cascade for direct α -arylation of ketones. Tetrahedron, 2018, 74, 3253-3265.	1.9	10
10	Catalytic palladium-oxyallyl cycloaddition. Science, 2018, 362, 564-568.	12.6	47
11	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
12	Practical Direct α -Arylation of Cyclopentanones by Palladium/Enamine Cooperative Catalysis. Angewandte Chemie, 2016, 128, 2605-2609.	2.0	15
13	A Hydrazone-Based <i>exo</i> -Directing-Group Strategy for α -C-H Oxidation of Aliphatic Amines. Angewandte Chemie, 2016, 128, 5385-5389.	2.0	18
14	Practical Direct α -Arylation of Cyclopentanones by Palladium/Enamine Cooperative Catalysis. Angewandte Chemie - International Edition, 2016, 55, 2559-2563.	13.8	58
15	A Hydrazone-Based <i>exo</i> -Directing-Group Strategy for α -C-H Oxidation of Aliphatic Amines. Angewandte Chemie - International Edition, 2016, 55, 5299-5303.	13.8	83
16	Palladium-catalyzed direct α -arylation of ketones with diaryliodonium salts: a stoichiometric heavy metal-free and user-friendly approach. Chemical Science, 2015, 6, 5491-5498.	7.4	64
17	Transition metal-catalyzed ketone-directed or mediated C-H functionalization. Chemical Society Reviews, 2015, 44, 7764-7786.	38.1	497
18	Catalytic CC bond forming transformations via direct α -CH functionalization of carbonyl compounds. Tetrahedron Letters, 2014, 55, 5869-5889.	1.4	92

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19	Palladium-Catalyzed Carbene Migratory Insertion Using Conjugated Ene- γ -Ketones as Carbene Precursors. <i>Journal of the American Chemical Society</i> , 2013, 135, 13502-13511.	13.7	153
20	Catalytic Direct α^2 -Arylation of Simple Ketones with Aryl Iodides. <i>Journal of the American Chemical Society</i> , 2013, 135, 17747-17750.	13.7	111
21	Auto-Tandem Catalysis: Synthesis of Acridines by Pd-Catalyzed C=C Bond Formation and C-C ² -N Cross-Coupling. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6586-6593.	2.4	36
22	Rh(II)-catalyzed [2,3]-sigmatropic rearrangement of sulfur ylides derived from N-tosylhydrazones and sulfides. <i>Tetrahedron</i> , 2012, 68, 5234-5240.	1.9	36
23	Studies on the Reactivity of Migrating Group in [2,3]-Sigmatropic Rearrangement of Sulfur Ylides. <i>Acta Chimica Sinica</i> , 2012, 70, 2024.	1.4	3
24	Catalytic Thia-Sommelet-Hauser Rearrangement: Application to the Synthesis of Oxindoles. <i>Organic Letters</i> , 2011, 13, 1210-1213.	4.6	81