Min Zhang

List of Publications by Year
in descending order

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72	2,499	172457	214800
papers	citations	29 h-index	47 g-index

74	74	74	1743
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved Rutheniumâ€Catalyzed Amination of Alcohols with Ammonia: Synthesis of Diamines and Amino Esters. Angewandte Chemie - International Edition, 2011, 50, 7599-7603.	13.8	211
2	Synthesis of Î±â€Amino Acid Amides: Rutheniumâ€Catalyzed Amination of Î±â€Hydroxy Amides. Angewandte Chemie - International Edition, 2011, 50, 11197-11201.	13.8	135
3	Baseâ€Promoted Coupling of Carbon Dioxide, Amines, and Nâ€Tosylhydrazones: A Novel and Versatile Approach to Carbamates. Angewandte Chemie - International Edition, 2015, 54, 3084-3087.	13.8	121
4	Direct Reductive Quinolyl Î²-Câ€“H Alkylation by Multispherical Cavity Carbon-Supported Cobalt Oxide Nanocatalysts. ACS Catalysis, 2017, 7, 4780-4785.	11.2	95
5	Hydrogenâ€Transferâ€Mediated Î±â€Functionalization of 1,8â€Naphthyridines by a Strategy Overcoming the Overâ€Hydrogenation Barrier. Angewandte Chemie - International Edition, 2017, 56, 14232-14236.	13.8	89
6	A Novel Ruthenium-Catalyzed Dehydrogenative Synthesis of 2-Arylquinazolines from 2-Aminoaryl Methanols and Benzonitriles. Organic Letters, 2014, 16, 6028-6031.	4.6	87
7	Efficient synthesis of quinoxalines from 2-nitroanilines and vicinal diols via a ruthenium-catalyzed hydrogen transfer strategy. Green Chemistry, 2015, 17, 279-284.	9.0	87
8	MOF-Derived Nanocobalt for Oxidative Functionalization of Cyclic Amines to Quinazolinones with 2-Aminoarylmethanols. ACS Catalysis, 2018, 8, 5869-5874.	11.2	71
9	A Novel Straightforward Synthesis of 2,4-Disubstituted-1,3,5-triazines via Aerobic Copper-Catalyzed Cyclization of Amidines with DMF. Organic Letters, 2014, 16, 3540-3543.	4.6	68
10	A novel iridium/acid co-catalyzed transfer hydrogenative C(sp³)â€“H bond alkylation to access functionalized N-heteroaromatics. Chemical Communications, 2016, 52, 9359-9362.	4.1	67
11	Enantioselective domino reaction of CO2, amines and allyl chlorides under iridium catalysis: formation of allyl carbamates. Chemical Communications, 2014, 50, 4455.	4.1	62
12	Ruthenium-Catalyzed Dehydrogenative Î²-Benzylation of 1,2,3,4-Tetrahydroquinolines with Aryl Aldehydes: Access to Functionalized Quinolines. Organic Letters, 2016, 18, 3174-3177.	4.6	61
13	Hydrogen-Transfer-Mediated Direct Î²-Alkylation of Aryl-1,8-naphthyridines with Alcohols under Transition Metal Catalyst Free Conditions. Organic Letters, 2016, 18, 724-727.	4.6	61
14	Amidate Iridium(III) Bis(2-pyridyl)phenyl Complexes: Application Examples of Amidate Ancillary Ligands in Iridium(III)-Cyclometalated Complexes. Organometallics, 2011, 30, 77-83.	2.3	55
15	Ruthenium-Catalyzed Straightforward Synthesis of 1,2,3,4-Tetrahydronaphthyridines via Selective Transfer Hydrogenation of Pyridyl Ring with Alcohols. Organic Letters, 2015, 17, 4054-4057.	4.6	52
16	Baseâ€Promoted Coupling of Carbon Dioxide, Amines, and Diaryliodonium Salts: A Phosgeneâ€and Metalâ€Free Route to Oâ€Aryl Carbamates. Chemistry - A European Journal, 2015, 21, 14314-14318.	3.3	50
17	An annulative transfer hydrogenation strategy enables straightforward access to tetrahydro fused-pyrazine derivatives. Chemical Communications, 2016, 52, 10636-10639.	4.1	49
18	Convenient Synthesis of Quinolines from Î±â€2â€Nitroaryl Alcohols and Alcohols via a Rutheniumâ€catalyzed Hydrogen Transfer Strategy. ChemCatChem, 2015, 7, 349-353.	3.7	45

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19	MOF-Derived Subnanometer Cobalt Catalyst for Selective Câ€“H Oxidative Sulfonylation of Tetrahydroquinoxalines with Sodium Sulfinates. ACS Catalysis, 2019, 9, 2718-2724.	11.2	45
20	A copper-catalyzed oxidative coupling reaction of arylboronic acids, amines and carbon dioxide using molecular oxygen as the oxidant. Green Chemistry, 2017, 19, 1642-1646.	9.0	42
21	Aerobic Copper-Catalyzed Synthesis of Benzimidazoles from Diaryl- and Alkylamines via Tandem Triple Câ€“H Aminations. ACS Catalysis, 2018, 8, 2242-2246.	11.2	41
22	Catalytic Conversion of N-Heteroaromatics to Functionalized Arylamines by Merging Hydrogen Transfer and Selective Coupling. ACS Catalysis, 2020, 10, 5243-5249.	11.2	40
23	Synthesis of 2â€Alkylaminoquinolines and 1,8â€Naphthyridines by Successive Rutheniumâ€Catalyzed Dehydrogenative Annulation and Nâ€Alkylation Processes. Advanced Synthesis and Catalysis, 2017, 359, 1202-1207.	4.3	35
24	A sustainable oxidative esterification of thiols with alcohols by a cobalt nanocatalyst supported on doped carbon. Green Chemistry, 2018, 20, 1992-1997.	9.0	33
25	Copper-Catalyzed Oxidative Multicomponent Annulation Reaction for Direct Synthesis of Quinazolinones via an Imine-Protection Strategy. Organic Letters, 2019, 21, 4725-4728.	4.6	33
26	Straightforward access to novel indolo[2,3-b]indoles via aerobic copper-catalyzed [3+2] annulation of diarylamines and indoles. Chemical Communications, 2020, 56, 2807-2810.	4.1	32
27	syn-Selective Construction of Fused Heterocycles by Catalytic Reductive Tandem Functionalization of N-Heteroarenes. ACS Catalysis, 2021, 11, 9271-9278.	11.2	32
28	ZIF-derived metal/N-doped porous carbon nanocomposites: efficient catalysts for organic transformations. Catalysis Science and Technology, 2022, 12, 2106-2121.	4.1	32
29	Ruthenium-Catalyzed Direct Synthesis of Semisaturated Bicyclic Pyrimidines via Selective Transfer Hydrogenation. Organic Letters, 2017, 19, 2730-2733.	4.6	30
30	Transfer hydrogenative para-selective aminoalkylation of aniline derivatives with N-heteroarenes via ruthenium/acid dual catalysis. Chemical Communications, 2018, 54, 9087-9090.	4.1	30
31	Hydrogen transfer-mediated selective dual Câ€“H alkylations of 2-alkylquinolines by doped TiO2-supported nanocobalt oxides. Journal of Catalysis, 2019, 377, 449-454.	6.2	30
32	Base-catalyzed retro-Claisen condensation: a convenient esterification of alcohols via Câ€“C bond cleavage of ketones to afford acylating sources. RSC Advances, 2014, 4, 29502-29508.	3.6	29
33	Direct Î±-Câ€“H amination using various amino agents by selective oxidative copper catalysis: a divergent access to functional quinolines. Chemical Communications, 2018, 54, 10096-10099.	4.1	28
34	Direct Access to Nitrogen Bi-heteroarenes via Iridium-Catalyzed Hydrogen-Evolution Cross-Coupling Reaction. Organic Letters, 2017, 19, 3390-3393.	4.6	26
35	Iridium-Catalyzed Dehydrogenative Î±-Functionalization of (Hetero)aryl-Fused Cyclic Secondary Amines with Indoles. Organic Letters, 2018, 20, 1171-1174.	4.6	25
36	Reductive electrophilic Câ€“H alkylation of quinolines by a reusable iridium nanocatalyst. Chemical Science, 2021, 12, 13802-13808.	7.4	25

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37	Site-Specific Oxidative Câ€“H Chalcogenation of (Hetero)Aryl-Fused Cyclic Amines Enabled by Nanocobalt Oxides. Organic Letters, 2018, 20, 6554-6558.	4.6	22
38	Inhibition of Yeast-to-Hypha Transition and Virulence of Candida albicans by 2-Alkylaminoquinoline Derivatives. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	22
39	Practical iridium-catalyzed direct Î±-arylation of N-heteroarenes with (hetero)arylboronic acids by H2O-mediated H2 evolution. Nature Communications, 2021, 12, 4206.	12.8	20
40	Direct Access to Functionalized Indoles via Single Electron Oxidation Induced Coupling of Diarylamines with 1,3-Dicarbonyl Compounds. Organic Letters, 2019, 21, 6736-6740.	4.6	19
41	Ruthenium-Catalyzed Hydrogen Evolution o-Aminoalkylation of Phenols with Cyclic Amines. Organic Letters, 2020, 22, 4781-4785.	4.6	19
42	Iridium/Acid Cocatalyzed Direct Access to Fused Indoles via Transfer Hydrogenative Annulation of Quinolines and 1,2-Diketones. Organic Letters, 2020, 22, 2308-2312.	4.6	19
43	Synthesis of Multisubstituted Benzimidazolones via Copper-Catalyzed Oxidative Tandem Câ€“H Aminations and Alkyl Deconstructive Carbofunctionalization. IScience, 2019, 15, 127-135.	4.1	18
44	Access to Phenothiazine Derivatives via Iodide-Mediated Oxidative Three-Component Annulation Reaction. Journal of Organic Chemistry, 2020, 85, 5629-5637.	3.2	18
45	Selective reductive annulation reaction for direct synthesis of functionalized quinolines by a cobalt nanocatalyst. Journal of Catalysis, 2020, 383, 239-243.	6.2	18
46	Rutheniumâ€Catalyzed Nâ€Alkylation for the Synthesis of 2â€Nâ€Pyridylmethyl Benzonitriles and an Exploration of Its Synthetic Utility. ChemCatChem, 2014, 6, 2993-2997.	3.7	17
47	Cobalt-Catalyzed Selective Functionalization of Aniline Derivatives with Hexafluoroisopropanol. Organic Letters, 2019, 21, 218-222.	4.6	17
48	Hydrogen Transfer-Mediated Multicomponent Reaction for Direct Synthesis of Quinazolines by a Naphthyridine-Based Iridium Catalyst. IScience, 2020, 23, 101003.	4.1	17
49	Direct synthesis of novel quinoxaline derivatives via palladium-catalyzed reductive annulation of catechols and nitroarylamines. Chemical Communications, 2020, 56, 5997-6000.	4.1	17
50	Intermolecular diastereoselective annulation of azaarenes into fused N-heterocycles by Ru(II) reductive catalysis. Nature Communications, 2022, 13, 2393.	12.8	17
51	Copper-catalysed dehydrogenative Î±-C(sp³)â€“H amination of tetrahydroquinolines with O-benzoyl hydroxylamines. Organic Chemistry Frontiers, 2018, 5, 539-543.	4.5	14
52	Synthesis of N-Biheteroarenes via Acceptorless Dehydrogenative Coupling of Benzocyclic Amines with Indole Derivatives. Journal of Organic Chemistry, 2019, 84, 3559-3565.	3.2	14
53	Silver-mediated three-component cycloaddition reaction for direct synthesis of 1-N-vinyl-substituted 1,2,3-triazoles. Organic and Biomolecular Chemistry, 2019, 17, 4843-4849.	2.8	13
54	Synthesis of Allyl Carbamates through the Regioselective Domino Reaction of ÂAmines, CO₂, and Unsymmetrical Allyl Chlorides under Pd Catalysis. European Journal of Organic Chemistry, 2015, 2015, 5925-5928.	2.4	12

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55	Synthesis of (E)â€2â€Alkenylazaarenes via Dehydrogenative Coupling of (Hetero)arylâ€fused 2â€Alkylcyclic Amines and Aldehydes with a Cobalt Nanocatalyst. ChemCatChem, 2018, 10, 2887-2892.	3.7	12
56	Selective reductive cross-coupling of N-heteroarenes by an unsymmetrical PNP-ligated manganese catalyst. Journal of Catalysis, 2020, 392, 135-140.	6.2	12
57	Selective construction of fused heterocycles by an iridium-catalyzed reductive three-component annulation reaction. Chemical Communications, 2021, 57, 8292-8295.	4.1	10
58	OMS-2 nanorod-supported cobalt catalyst for aerobic dehydrocyclization of vicinal diols and amidines: Access to functionalized imidazolones. Journal of Catalysis, 2021, 398, 192-197.	6.2	10
59	Direct C(sp³)â€“H Sulfonylation of Xanthene Derivatives with Sodium Sulfinates by Oxidative Copper Catalysis. Chinese Journal of Chemistry, 2022, 40, 371-377.	4.9	10
60	Copper-catalysed oxidative Î±-C(sp3)â€“H nitroalkylation of (hetero)arene-fused cyclic amines. Organic Chemistry Frontiers, 2020, 7, 425-429.	4.5	9
61	Hydrogenâ€Transferâ€Mediated Î±â€Functionalization of 1,8â€Naphthyridines by a Strategy Overcoming the Overâ€Hydrogenation Barrier. Angewandte Chemie, 2017, 129, 14420-14424.	2.0	8
62	Selective synthesis of nitrogen bi-heteroarenes by a hydrogen transfer-mediated direct Î±,Î²-coupling reaction. Organic and Biomolecular Chemistry, 2017, 15, 6093-6097.	2.8	8
63	Selective construction of fused heterocycles by mild oxidative C-H functionalization using non-metallic catalysis. Cell Reports Physical Science, 2021, 2, 100383.	5.6	8
64	Construction of Fused Tetrahydroquinolines by Catalytic Hydride-Transfer-Initiated Tandem Functionalization of Quinolines. Organic Letters, 2022, 24, 3048-3052.	4.6	8
65	Hydride transfer-initiated synthesis of 3-functionalized quinolines by deconstruction of isoquinoline derivatives. Chemical Communications, 2022, 58, 4380-4383.	4.1	7
66	Direct access to Î±,Î±-chlorofluoro arylketones via mild electrophilic heterohalogenation of arylalkynes. Organic Chemistry Frontiers, 2022, 9, 2944-2948.	4.5	7
67	Construction of Fluorinated Amino Acid Derivatives via Cobalt-Catalyzed Oxidative Difunctionalization of Cyclic Ethers. Organic Letters, 2022, 24, 608-612.	4.6	6
68	Transition-metal-catalyst-free synthesis of anthranilic acid derivatives by transfer hydrogenative coupling of 2-nitroaryl methanols with alcohols/amines. Organic and Biomolecular Chemistry, 2018, 16, 531-535.	2.8	5
69	Ruthenium/acid co-catalyzed reductive Î±-phosphinoylation of 1,8-naphthyridines with diarylphosphine oxides. Organic Chemistry Frontiers, 2021, 8, 106-111.	4.5	5
70	Synthesis of Diverse Functionalized Quinoxalines by Oxidative Tandem Dual Câ^'H Amination of Tetrahydroquinoxalines with Amines. Chemistry - A European Journal, 2019, 25, 15858-15862.	3.3	3
71	Synthesis of functionalized benzimidazoles via oxidative tandem quartic Câ€“H aminations and cleavage of Câ€“N and Câ€“C bonds. Chemical Communications, 2021, 57, 12976-12979.	4.1	3
72	Synthesis of acridinones via palladium-catalyzed reductive annulation of 2-nitrobenzaldehydes and resorcinols. Organic Chemistry Frontiers, 0, , .	4.5	1