

Hongbin Zou

List of Publications by Year in descending order

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31
papers

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#	ARTICLE	IF	CITATIONS
1	β -Methyltryptamine Provoking the Crucial Role of Strictosidine Synthase Tyr151-OH for Its Stereoselective Pictet-Spengler Reactions to Tryptoline-type Alkaloids. <i>ACS Chemical Biology</i> , 2022, 17, 187-197.	1.6	3
2	C(sp ³)-H oxygenation via alkoypalladium species: an update for the mechanism. <i>Chemical Science</i> , 2022, 13, 1298-1306.	3.7	5
3	Acid- and Base-Switched Palladium-Catalyzed β -C(sp ³)-H Alkylation and Alkenylation of Neopentylamine. <i>Organic Letters</i> , 2021, 23, 3466-3471.	2.4	6
4	Direct Transition-Metal Free Benzene C-H Functionalization by Intramolecular Non-Nitroarene Nucleophilic Aromatic Substitution of Hydrogen to Diverse AIEgens. <i>ChemSusChem</i> , 2021, 14, 3208-3218.	3.6	4
5	Privileged Biorenewable Secologanin-Based Diversity-Oriented Synthesis for Pseudo-Natural Alkaloids: Uncovering Novel Neuroprotective and Antimalarial Frameworks. <i>ChemSusChem</i> , 2021, 14, 5320-5327.	3.6	3
6	Discovery of 3-Cinnamamido-N-Substituted Benzamides as Potential Antimalarial Agents. <i>Medicinal Chemistry</i> , 2021, 17, 1207-1218.	0.7	0
7	Temperature-modulated selective C(sp ³)-H or C(sp ²)-H arylation through palladium catalysis. <i>Chemical Science</i> , 2020, 11, 11461-11467.	3.7	14
8	Benign synthesis of unsymmetrical arylurea derivatives using 3-substituted dioxazolones as isocyanate surrogates. <i>Green Chemistry Letters and Reviews</i> , 2020, 13, 246-257.	2.1	10
9	Versatile Regioselective Deuteration of Indoles via Transition-Metal-Catalyzed H/D Exchange. <i>ACS Catalysis</i> , 2020, 10, 7486-7494.	5.5	26
10	One-pot chemoselective domino condensation to form a fused pyrrolo-pyrazino-indolizine framework: discovery of novel AIE molecules. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1218-1223.	2.3	18
11	Water-Promoted Synthesis of Azepino[3,4,5]indole Analogues via Pictet-Spengler Reaction. <i>ChemistrySelect</i> , 2020, 5, 4619-4622.	0.7	8
12	Design, Synthesis and Antitumor Assessment of Phenylureas Bearing 5-Fluoroindolin-2-one Moiety. <i>Medicinal Chemistry</i> , 2020, 16, 958-968.	0.7	0
13	Rhodium-catalyzed cascade reactions of benzoic acids with dioxazolones: discovery of 2,5-substituted benzoxazinones as AIE molecules. <i>Chemical Communications</i> , 2019, 55, 11203-11206.	2.2	16
14	Rhodium(III)-Catalyzed Regioselective C(sp ²)-H Functionalization of 7-Arylpyrazolo[1,5- <i>a</i>]pyrimidines with Dioxazolones as Amidating Agents. <i>Organic Letters</i> , 2019, 21, 5933-5937.	2.4	16
15	Stereocomplementary Chemoenzymatic Pictet-Spengler Reactions for Formation of Rare Azepino-indole Frameworks: Discovery of Antimalarial Compounds. <i>ACS Catalysis</i> , 2019, 9, 7443-7448.	5.5	31
16	Copper-catalyzed benzylation of triazolopyridine through direct C-H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7455-7460.	1.5	12
17	Chameleon-like Behavior of the Directing Group in the Rh(III)-Catalyzed Regioselective C-H Amidation of Indole: An Experimental and Computational Study. <i>ACS Catalysis</i> , 2019, 9, 10233-10244.	5.5	40
18	Enantioselective Reduction of β , β -Unsaturated Ketones and Aryl Ketones by Perakine Reductase. <i>Organic Letters</i> , 2019, 21, 4411-4414.	2.4	16

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19	Functionalized N-containing heterocyclic scaffolds derived from N-substituted pyrroles via inter- and intramolecular annulations. <i>Tetrahedron</i> , 2018, 74, 6088-6094.	1.0	13
20	One-pot cascade approach to 5,6-dihydroindolizines and indolizines from pyrrole-2-carbaldehydes and nitroethylenes. <i>Tetrahedron</i> , 2017, 73, 3181-3187.	1.0	16
21	Strictosidine Synthase Triggered Enantioselective Synthesis of N-Substituted (<i>S</i>)-3,14,18,19-Tetrahydroangustines as Novel Topoisomerase I Inhibitors. <i>ACS Chemical Biology</i> , 2017, 12, 3086-3092.	1.6	22
22	Cascade regioselective synthesis of pyrazoles from nitroallylic acetates and N-tosyl hydrazine. <i>Tetrahedron</i> , 2014, 70, 795-799.	1.0	24
23	Methanol facilitated synthesis of 7-methoxy-2-thioxo-2,3-dihydro-1H-1,3-diazepin-4(7H)-ones from nitroallylic acetates and thiourea. <i>Tetrahedron</i> , 2014, 70, 7454-7457.	1.0	12
24	Generation of insulin-producing cells from rat mesenchymal stem cells using an aminopyrrole derivative XW4.4. <i>Chemico-Biological Interactions</i> , 2014, 208, 1-7.	1.7	14
25	Functionalized heterocyclic scaffolds derived from Morita-Baylis-Hillman Acetates. <i>Chemical Communications</i> , 2013, 49, 7738.	2.2	44
26	Cascade reaction for 3-pyrrolines and pyrroles from nitroallylic acetates and N-mesyl 2-aminoethanones. <i>Tetrahedron</i> , 2013, 69, 10558-10564.	1.0	14
27	Scaffold Tailoring by a Newly Detected Pictet-Spenglerase Activity of Strictosidine Synthase: From the Common Tryptoline Skeleton to the Rare Piperazino-indole Framework. <i>Journal of the American Chemical Society</i> , 2012, 134, 1498-1500.	6.6	57
28	One-Pot Multicomponent Approach to Indolizines and Pyrido[1,2- <i>a</i>]indoles. <i>Organic Letters</i> , 2011, 13, 2792-2794.	2.4	73
29	Synthesis and biological evaluation of 2-indolinone derivatives as potential antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5970-5977.	2.6	31
30	A facile approach to polysubstituted pyrazoles from hydrazonyl chlorides and vinyl azides. <i>Tetrahedron</i> , 2011, 67, 4887-4891.	1.0	29
31	Improved Expression of His ₆ -Tagged Strictosidine Synthase cDNA for Chemo-Enzymatic Alkaloid Diversification. <i>Chemistry and Biodiversity</i> , 2010, 7, 860-870.	1.0	20