Zhi Zhou

List of Publications by Year
in descending order

57 papers	1,844 citations	304743 22 h-index	276875 41 g-index
63 all docs	63 docs citations	63 times ranked	1215 citing authors

#	Article	IF	Citations
1	Enantioselective synthesis of indenopyrazolopyrazolones enabled by dual directing groups-assisted and rhodium(III)-catalyzed tandem C-H alkenylation/[3Â+Â2] stepwise cycloaddition. Chinese Chemical Letters, 2022, 33, 842-846.	9.0	19
2	Rh(III)â€Catalysed Switchable and Chemoselective Synthesis of Difluorinated Pyrazolo[1,2â€a]indazolone and Indole Frameworks. Asian Journal of Organic Chemistry, 2022, 11, .	2.7	5
3	Hexafluoroisopropanol (HFIP)-prompted rearrangement of N-phenoxysulfonamides for the direct assembly of ortho-sulfonamide phenols: A combined experimental and computational study. Tetrahedron Letters, 2022, 89, 153601.	1.4	0
4	Rh(<scp>iii</scp>)-Catalysed cascade Câ€“H imidization/cyclization ofN-methoxybenzamides with isoxazolones for the assembly of dihydroquinazolin-4(1H)-one derivatives. Organic Chemistry Frontiers, 2022, 9, 1904-1910.	4.5	4
5	Specific assembly of dihydrobenzofuran frameworks via Rh(<scp>iii</scp>)-catalysed Câ€“H coupling of N-phenoxyacetamides with 2-alkenylphenols. New Journal of Chemistry, 2022, 46, 5705-5711.	2.8	3
6	Direct Assembly of Phthalides via Calcium(II)-Catalyzed Cascade ortho-C-Alkenylation/Hydroacyloxylation of 3-Aminobenzoic Acids with Alkynes in Hexafluoroisopropanol. Organic Letters, 2022, 24, 1575-1580.	4.6	8
7	Site-selective rhodium carbene transfer of 2 hydroxy-Î²-nitrostyrenes with diazo compounds En route to 2-alkylated benzofurans. Organic Chemistry Frontiers, 2022, 9, 3268-3273.	4.5	4
8	A novel 3-acyl isoquinolin-1(2H)-one induces G2 phase arrest, apoptosis and GSDME-dependent pyroptosis in breast cancer. PLoS ONE, 2022, 17, e0268060.	2.5	3
9	gemâ€Difluoromethylene Alkyneâ€Enabled Diverse Câ^'H Functionalization and Application to the onâ€DNA Synthesis of Difluorinated Isocoumarins. Angewandte Chemie - International Edition, 2021, 60, 1959-1966.	13.8	55
10	gemâ€Difluoromethylene Alkyneâ€Enabled Diverse Câ^'H Functionalization and Application to the onâ€DNA Synthesis of Difluorinated Isocoumarins. Angewandte Chemie, 2021, 133, 1987-1994.	2.0	8
11	Synthesis of 2-aminobenzofurans via base-mediated [3 + 2] annulation of N-phenoxy amides with gem-difluoroalkenes. Organic Chemistry Frontiers, 2021, 8, 4452-4458.	4.5	15
12	Chiral Allylic Amine Synthesis Enabled by the Enantioselective Cp^XRh(III)-Catalyzed Carboaminations of 1,3-Dienes. ACS Catalysis, 2021, 11, 2279-2287.	11.2	33
13	Rh(III)-Catalyzed Redox-Neutral Câ€“H Activation/[3 + 2] Annulation of N-Phenoxy Amides with Propargylic Monofluoroalkynes. Organic Letters, 2021, 23, 2285-2291.	4.6	10
14	Rh(III)-Catalyzed Câ€“H Activation/[3 + 2] Annulation of N-Phenoxyacetamides via Carbooxygenation of 1,3-Dienes. Organic Letters, 2021, 23, 3844-3849.	4.6	16
15	Chemodivergent assembly of ortho-functionalized phenols with tunable selectivity via rhodium(III)-catalyzed and solvent-controlled C-H activation. Communications Chemistry, 2021, 4, .	4.5	10
16	Rh(III)-Catalyzed Chemoselective Câ€“H Alkenylation and [5 + 1] Annulation with Gem-Difluoromethylene Enabled by the Distinctive Fluorine Effect. Journal of Organic Chemistry, 2021, 86, 9711-9722.	3.2	9
17	Rhodium(III)â€Catalyzed Cascade Câ^'H Coupling/Câ€Terminus Michael Addition of Nâ€Phenoxy Amides with 1,6â€Enynes. ChemistrySelect, 2021, 6, 6574-6578.	1.5	5
18	Mechanistic Insights into the Dual Directing Group-Mediated Câ€“H Functionalization/Annulation via a Hydroxyl Group-Assisted M^{III}-M^V-M^{III} Pathway. ACS Omega, 2021, 6, 17642-17650.	3.5	5

#	Article	IF	Citations
19	TFAâ€Prompted/Rh(III)â€Catalysed Chemoselective C3â€•or C2â€H Functionalization of Indoles with Methylenecyclopropanes. European Journal of Organic Chemistry, 2021, 2021, 5507.	2.4	5
20	Identification of the anti-fungal drug fenticonazole nitrate as a novel PPARÎ³-modulating ligand with good therapeutic index: Structure-based screening and biological validation. Pharmacological Research, 2021, 173, 105860.	7.1	7
21	Synthesis of Difluorinated Dihydrobenzo[de]chromenes via Rh(III)â€Catalysed Câ€H Couplings of 1â€Naphthols with Gemâ€Difluoromethylene Alkynes. Advanced Synthesis and Catalysis, 2021, 363, 1352-1357.	4.3	13
22	Rh(<scp>iii</scp>)-Catalyzed and synergistic dual directing group-enabled redox-neutral [3+3] annulation of N-phenoxyacetamides with Î±-allenols. Chemical Communications, 2021, 57, 9284-9287.	4.1	12
23	Chemo-, Regio-, and Stereoselective Assembly of Polysubstituted Furan-2(5H)-ones Enabled by Rh(III)-Catalyzed Domino Câ€“H Alkenylation/Directing Group Migration/Lactonization: A Combined Experimental and Computational Study. ACS Catalysis, 2021, 11, 13921-13934.	11.2	20
24	Gem-Difluorocyclopropenes as Versatile Î²-Monofluorinated Three-sp² Carbon Sources for Cp*Rh(III)-Catalyzed [4 + 3] Annulation: Experimental Development and Mechanistic Insight. ACS Catalysis, 2021, 11, 14694-14701.	11.2	27
25	Rh(III)â€Catalyzed Redoxâ€Neutral [4+2] Annulation for Direct Assembly of 3â€Acyl Isoquinolinâ€1(2H)â€ones as Potent Antitumor Agents. ChemPlusChem, 2020, 85, 405-410.	2.8	16
26	Rhodium(III)â€Catalyzed Enantioâ€•and Diastereoselective Câˆ’H Cyclopropylation of Nâ€Phenoxylsulfonamides: Combined Experimental and Computational Studies. Angewandte Chemie - International Edition, 2020, 59, 2890-2896.	13.8	80
27	Rhodium(III)â€Catalyzed Enantioâ€•and Diastereoselective Câˆ’H Cyclopropylation of Nâ€Phenoxylsulfonamides: Combined Experimental and Computational Studies. Angewandte Chemie, 2020, 132, 2912-2918.	2.0	19
28	Lossen Rearrangement vs Câ€“N Reductive Elimination Enabled by Rh(III)-Catalyzed Câ€“H Activation/Selective Lactone Ring-Opening: Chemodivergent Synthesis of Quinolinones and Dihydroisoquinolinones. Organic Letters, 2020, 22, 9677-9682.	4.6	18
29	Ru(<scp>ii</scp>)-Catalyzed and acidity-controlled tunable [5+1]/[5+2] annulation for building ring-fused quinazolines and 1,3-benzodiazepines. Chemical Communications, 2020, 56, 11315-11318.	4.1	14
30	Synthesis of Indenopyrazole Frameworks via Cascade Câ€“H Functionalization/[3 + 2] Dipolar Cycloaddition/Aromatization Rearrangement Reactions. Organic Letters, 2020, 22, 7152-7157.	4.6	29
31	Identification and structural insight of an effective PPARÎ³ modulator with improved therapeutic index for anti-diabetic drug discovery. Chemical Science, 2020, 11, 2260-2268.	7.4	15
32	Experimental and Computational Studies on Cp*^{Cy}Rh(III)/KOPiv-Catalyzed Intramolecular Dehydrogenative Cross-Couplings for Building Eight-Membered Sultam/Lactam Frameworks. Organic Letters, 2020, 22, 5473-5478.	4.6	14
33	Cascade Reductive Rearrangement for the Stereoselective Synthesis of Multifunctional Piperidinones: A Combined Experimental and Computational Study. ChemistrySelect, 2020, 5, 2332-2336.	1.5	0
34	Synergistic Dual Directing Groups-Enabled Diastereoselective Câ€“H Cyclopropylation via Rh(III)-Catalyzed Couplings with Cyclopropenyl Alcohols. Organic Letters, 2020, 22, 1295-1300.	4.6	16
35	Cobalt(III)â€Catalyzed and Dimethyl Sulfoxideâ€Involved Crossâ€Coupling of Ketones and Amides for Direct Synthesis of Î²â€Amino Ketones. Advanced Synthesis and Catalysis, 2019, 361, 4278-4285.	4.3	17
36	Rh(III)-Catalyzed Câ€“H Activation/Cycloisomerization of N-Phenoxyacetamides with Enynones for One-Pot Assembly of Furylated 2-Alkenylphenols. Journal of Organic Chemistry, 2019, 84, 15557-15566.	3.2	9

#	Article	IF	Citations
37	Cobalt-Catalyzed Allylation of Amides with Styrenes Using DMSO as Both the Solvent and the Î±-Methylene Source. Organic Letters, 2019, 21, 7248-7253.	4.6	12
38	P-Chiral, N-phosphoryl sulfonamide BrÃ¸nsted acids with an intramolecular hydrogen bond interaction that modulates organocatalysis. Organic and Biomolecular Chemistry, 2019, 17, 8690-8694.	2.8	13
39	Chemodivergent Couplings of N-Arylureas and Methyleneoxetanones via Rh(III)-Catalyzed and Solvent-Controlled Câ€“H Activation. Organic Letters, 2019, 21, 4143-4147.	4.6	27
40	Metalâ€Free [3,3]â€Sigmatropic Rearrangement/[3+2] Annulation Cascade of N â€Phenoxy Amides with Terminal Alkynes for the Diastereoselective Synthesis of trans â€Dihydrobenzofurans. Advanced Synthesis and Catalysis, 2019, 361, 3980-3985.	4.3	7
41	Stereoselective Î²â€“F Elimination Enabled Redox-Neutral [4 + 1] Annulation via Rh(III)-Catalyzed Câ€“H Activation: Access to Z-Monofluoroalkenyl Dihydrobenzo[d]isoxazole Framework. Organic Letters, 2019, 21, 5229-5233.	4.6	36
42	Rhodium(<scp>iii</scp>)-catalyzed chemoselective Câ€“H functionalization of benzamides with methyleneoxetanones controlled by the solvent. Organic and Biomolecular Chemistry, 2019, 17, 6114-6118.	2.8	20
43	Cobalt(III)â€Catalyzed, DMSOâ€Involved, and TFAâ€Controlled Regioselective Câ^'H Functionalization of Anilines with Alkynes for Specific Assembly of 3â€Arylquinolines. Advanced Synthesis and Catalysis, 2019, 361, 3002-3007.	4.3	26
44	Redox-Neutral [4 + 2] Annulation of N-Methoxybenzamides with Alkynes Enabled by an Osmium(II)/HOAc Catalytic System. Organic Letters, 2019, 21, 9904-9908.	4.6	25
45	Hydroxyl Groupâ€Prompted and Iridium(III)â€Catalyzed Regioselective Câ^'H Annulation of Nâ€phenoxyacetamides with Propargyl Alcohols. Advanced Synthesis and Catalysis, 2018, 360, 2470-2475.	4.3	48
46	One-pot regioselective synthesis of 2,4-disubstituted quinolines via copper(<scp>ii</scp>)-catalyzed cascade annulation. Organic Chemistry Frontiers, 2018, 5, 1713-1718.	4.5	20
47	Catalyst-Controlled [3 + 2] and [4 + 2] Annulations of Oximes with Propargyl Alcohols: Divergent Access to Indenamines and Isoquinolines. Organic Letters, 2018, 20, 182-185.	4.6	60
48	Rh(III)-Catalyzed Oxidative [5 + 2] Annulation Using Two Transient Assisting Groups: Stereospecific Assembly of 3-Alkenylated Benzoxepine Framework. Organic Letters, 2018, 20, 6812-6816.	4.6	29
49	Rh(III)-Catalyzed and Solvent-Controlled Chemoselective Synthesis of Chalcone and Benzofuran Frameworks via Synergistic Dual Directing Groups Enabled Regioselective Câ€“H Functionalization: A Combined Experimental and Computational Study. ACS Catalysis, 2018, 8, 9508-9519.	11.2	77
50	2H-Chromene-3-carboxylic Acid Synthesis via Solvent-Controlled and Rhodium(III)-Catalyzed Redox-Neutral Câ€“H Activation/[3 + 3] Annulation Cascade. Organic Letters, 2018, 20, 3892-3896.	4.6	37
51	Regiocontrolled Coupling of Aromatic and Vinylic Amides with Î±-Allenols To Form Î³-Lactams via Rhodium(III)-Catalyzed Câ€“H Activation. Organic Letters, 2016, 18, 5668-5671.	4.6	85
52	Rhodium(III)â€Catalyzed Redoxâ€Neutral Cï¿¿H Annulation of Arylnitrones and Alkynes for the Synthesis of Indole Derivatives. Advanced Synthesis and Catalysis, 2015, 357, 2944-2950.	4.3	52
53	Cascade Synthesis of 3-Alkylidene Dihydrobenzofuran Derivatives via Rhodium(III)-Catalyzed Redox-Neutral Câ€“H Functionalization/Cyclization. Organic Letters, 2015, 17, 5874-5877.	4.6	64
54	Synthesis of benzofurans via ruthenium-catalyzed redox-neutral Câ€“H functionalization and reaction with alkynes under mild conditions. Organic Chemistry Frontiers, 2014, 1, 1161-1165.	4.5	60

#	Article	IF	Citations
55	Rhodium(III)â€Catalyzed Redoxâ€Neutral Coupling of Nâ€Phenoxyacetamides and Alkynes with Tunable Selectivity. Angewandte Chemie - International Edition, 2013, 52, 6033-6037.	13.8	293
56	Rhodium(III)-Catalyzed Câ€“H Olefination for the Synthesis of ortho-Alkenyl Phenols Using an Oxidizing Directing Group. Organic Letters, 2013, 15, 3366-3369.	4.6	152
57	One-pot self-assembly of three-dimensional graphene macroassemblies with porous core and layered shell. Journal of Materials Chemistry, 2011, 21, 12352.	6.7	64