

# Zhi Zhou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5516721/publications.pdf>

Version: 2024-02-01

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	Rhodium(III)-Catalyzed Redox-Neutral Coupling of <i>N</i> -Phenoxyacetamides and Alkynes with Tunable Selectivity. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6033-6037.	13.8	293
2	Rhodium(III)-Catalyzed C-H Olefination for the Synthesis of <i>ortho</i> -Alkenyl Phenols Using an Oxidizing Directing Group. <i>Organic Letters</i> , 2013, 15, 3366-3369.	4.6	152
3	Regiocontrolled Coupling of Aromatic and Vinylic Amides with $\beta$ -Allenols To Form $\beta$ -Lactams via Rhodium(III)-Catalyzed C-H Activation. <i>Organic Letters</i> , 2016, 18, 5668-5671.	4.6	85
4	Rhodium(III)-Catalyzed Enantio- and Diastereoselective C-H Cyclopropylation of <i>N</i> -Phenoxy sulfonamides: Combined Experimental and Computational Studies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2890-2896.	13.8	80
5	Rh(III)-Catalyzed and Solvent-Controlled Chemoselective Synthesis of Chalcone and Benzofuran Frameworks via Synergistic Dual Directing Groups Enabled Regioselective C-H Functionalization: A Combined Experimental and Computational Study. <i>ACS Catalysis</i> , 2018, 8, 9508-9519.	11.2	77
6	One-pot self-assembly of three-dimensional graphene macroassemblies with porous core and layered shell. <i>Journal of Materials Chemistry</i> , 2011, 21, 12352.	6.7	64
7	Cascade Synthesis of 3-Alkylidene Dihydrobenzofuran Derivatives via Rhodium(III)-Catalyzed Redox-Neutral C-H Functionalization/Cyclization. <i>Organic Letters</i> , 2015, 17, 5874-5877.	4.6	64
8	Synthesis of benzofurans via ruthenium-catalyzed redox-neutral C-H functionalization and reaction with alkynes under mild conditions. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1161-1165.	4.5	60
9	Catalyst-Controlled [3 + 2] and [4 + 2] Annulations of Oximes with Propargyl Alcohols: Divergent Access to Indenamines and Isoquinolines. <i>Organic Letters</i> , 2018, 20, 182-185.	4.6	60
10	<i>N</i> -Gem-Difluoromethylene Alkyne-Enabled Diverse C-H Functionalization and Application to the on-DNA Synthesis of Difluorinated Isocoumarins. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1959-1966.	13.8	55
11	Rhodium(III)-Catalyzed Redox-Neutral C-H Annulation of Arylnitrones and Alkynes for the Synthesis of Indole Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2944-2950.	4.3	52
12	Hydroxyl Group-Prompted and Iridium(III)-Catalyzed Regioselective C-H Annulation of <i>N</i> -phenoxyacetamides with Propargyl Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2470-2475.	4.3	48
13	2- <i>H</i> -Chromene-3-carboxylic Acid Synthesis via Solvent-Controlled and Rhodium(III)-Catalyzed Redox-Neutral C-H Activation/[3 + 3] Annulation Cascade. <i>Organic Letters</i> , 2018, 20, 3892-3896.	4.6	37
14	Stereoselective $\beta$ -F Elimination Enabled Redox-Neutral [4 + 1] Annulation via Rh(III)-Catalyzed C-H Activation: Access to <i>Z</i> -Monofluoroalkenyl Dihydrobenzo[d]isoxazole Framework. <i>Organic Letters</i> , 2019, 21, 5229-5233.	4.6	36
15	Chiral Allylic Amine Synthesis Enabled by the Enantioselective Cp <sup>X</sup> Rh(III)-Catalyzed Carboaminations of 1,3-Dienes. <i>ACS Catalysis</i> , 2021, 11, 2279-2287.	11.2	33
16	Rh(III)-Catalyzed Oxidative [5 + 2] Annulation Using Two Transient Assisting Groups: Stereospecific Assembly of 3-Alkenylated Benzoxepine Framework. <i>Organic Letters</i> , 2018, 20, 6812-6816.	4.6	29
17	Synthesis of Indenopyrazole Frameworks via Cascade C-H Functionalization/[3 + 2] Dipolar Cycloaddition/Aromatization Rearrangement Reactions. <i>Organic Letters</i> , 2020, 22, 7152-7157.	4.6	29
18	Chemodivergent Couplings of <i>N</i> -Arylureas and Methyleneoxetanones via Rh(III)-Catalyzed and Solvent-Controlled C-H Activation. <i>Organic Letters</i> , 2019, 21, 4143-4147.	4.6	27

#	ARTICLE	IF	CITATIONS
19	<i>Gem</i> -Difluorocyclopropenes as Versatile $\hat{I}^2$ -Monofluorinated Three-sp <sup>2</sup> Carbon Sources for Cp <sup>*</sup> Rh(III)-Catalyzed [4 + 3] Annulation: Experimental Development and Mechanistic Insight. <i>ACS Catalysis</i> , 2021, 11, 14694-14701.	11.2	27
20	Cobalt(III)-Catalyzed, DMSO-Involving, and TFA-Controlled Regioselective C <sup>~</sup> H Functionalization of Anilines with Alkynes for Specific Assembly of 3-Arylquinolines. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3002-3007.	4.3	26
21	Redox-Neutral [4 + 2] Annulation of <i>N</i> -Methoxybenzamides with Alkynes Enabled by an Osmium(II)/HOAc Catalytic System. <i>Organic Letters</i> , 2019, 21, 9904-9908.	4.6	25
22	One-pot regioselective synthesis of 2,4-disubstituted quinolines via copper-catalyzed cascade annulation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1713-1718.	4.5	20
23	Rhodium-catalyzed chemoselective C <sup>~</sup> H functionalization of benzamides with methyleneoxetanones controlled by the solvent. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6114-6118.	2.8	20
24	Chemo-, Regio-, and Stereoselective Assembly of Polysubstituted Furan-2(5 <i>H</i> )-ones Enabled by Rh(III)-Catalyzed Domino C <sup>~</sup> H Alkenylation/Directing Group Migration/Lactonization: A Combined Experimental and Computational Study. <i>ACS Catalysis</i> , 2021, 11, 13921-13934.	11.2	20
25	Rhodium(III)-Catalyzed Enantio- and Diastereoselective C <sup>~</sup> H Cyclopropylation of <i>N</i> -Phenoxy sulfonamides: Combined Experimental and Computational Studies. <i>Angewandte Chemie</i> , 2020, 132, 2912-2918.	2.0	19
26	Enantioselective synthesis of indenopyrazolopyrazolones enabled by dual directing groups-assisted and rhodium(III)-catalyzed tandem C-H alkenylation/[3+2] stepwise cycloaddition. <i>Chinese Chemical Letters</i> , 2022, 33, 842-846.	9.0	19
27	Lossen Rearrangement vs C <sup>~</sup> N Reductive Elimination Enabled by Rh(III)-Catalyzed C <sup>~</sup> H Activation/Selective Lactone Ring-Opening: Chemodivergent Synthesis of Quinolinones and Dihydroisoquinolinones. <i>Organic Letters</i> , 2020, 22, 9677-9682.	4.6	18
28	Cobalt(III)-Catalyzed and Dimethyl Sulfoxide-Involving Cross-Coupling of Ketones and Amides for Direct Synthesis of $\hat{I}^2$ -Amino Ketones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4278-4285.	4.3	17
29	Rh(III)-Catalyzed Redox-Neutral [4+2] Annulation for Direct Assembly of 3-Acyl Isoquinolin-1(2 <i>H</i> )-ones as Potent Antitumor Agents. <i>ChemPlusChem</i> , 2020, 85, 405-410.	2.8	16
30	Rh(III)-Catalyzed C <sup>~</sup> H Activation/[3 + 2] Annulation of <i>N</i> -Phenoxyacetamides via Carboxygenation of 1,3-Dienes. <i>Organic Letters</i> , 2021, 23, 3844-3849.	4.6	16
31	Synergistic Dual Directing Groups-Enabled Diastereoselective C <sup>~</sup> H Cyclopropylation via Rh(III)-Catalyzed Couplings with Cyclopropenyl Alcohols. <i>Organic Letters</i> , 2020, 22, 1295-1300.	4.6	16
32	Identification and structural insight of an effective PPAR $\hat{I}^3$ modulator with improved therapeutic index for anti-diabetic drug discovery. <i>Chemical Science</i> , 2020, 11, 2260-2268.	7.4	15
33	Synthesis of 2-aminobenzofurans via base-mediated [3 + 2] annulation of <i>N</i> -phenoxy amides with <i>gem</i> -difluoroalkenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4452-4458.	4.5	15
34	Ru-catalyzed and acidity-controlled tunable [5+1]/[5+2] annulation for building ring-fused quinazolines and 1,3-benzodiazepines. <i>Chemical Communications</i> , 2020, 56, 11315-11318.	4.1	14
35	Experimental and Computational Studies on Cp <sup>*</sup> CyRh(III)/KOPiv-Catalyzed Intramolecular Dehydrogenative Cross-Couplings for Building Eight-Membered Sultam/Lactam Frameworks. <i>Organic Letters</i> , 2020, 22, 5473-5478.	4.6	14
36	<i>P</i> -Chiral, <i>N</i> -phosphoryl sulfonamide Brønsted acids with an intramolecular hydrogen bond interaction that modulates organocatalysis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8690-8694.	2.8	13

#	ARTICLE	IF	CITATIONS
37	Synthesis of Difluorinated Dihydrobenzo[ <i>c</i> ]chromenes via Rh(III)-Catalysed C-H Couplings of 1-Naphthols with Gem-Difluoromethylene Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1352-1357.	4.3	13
38	Cobalt-Catalyzed Allylation of Amides with Styrenes Using DMSO as Both the Solvent and the $\beta$ -Methylene Source. <i>Organic Letters</i> , 2019, 21, 7248-7253.	4.6	12
39	Rh(III)-Catalyzed and synergistic dual directing group-enabled redox-neutral [3+3] annulation of <i>N</i> -phenoxyacetamides with $\beta$ -allenols. <i>Chemical Communications</i> , 2021, 57, 9284-9287.	4.1	12
40	Rh(III)-Catalyzed Redox-Neutral C-H Activation/[3 + 2] Annulation of <i>N</i> -Phenoxy Amides with Propargylic Monofluoroalkynes. <i>Organic Letters</i> , 2021, 23, 2285-2291.	4.6	10
41	Chemodivergent assembly of ortho-functionalized phenols with tunable selectivity via rhodium(III)-catalyzed and solvent-controlled C-H activation. <i>Communications Chemistry</i> , 2021, 4, .	4.5	10
42	Rh(III)-Catalyzed C-H Activation/Cycloisomerization of <i>N</i> -Phenoxyacetamides with Enynones for One-Pot Assembly of Furylated 2-Alkenylphenols. <i>Journal of Organic Chemistry</i> , 2019, 84, 15557-15566.	3.2	9
43	Rh(III)-Catalyzed Chemoselective C-H Alkenylation and [5 + 1] Annulation with Gem-Difluoromethylene Enabled by the Distinctive Fluorine Effect. <i>Journal of Organic Chemistry</i> , 2021, 86, 9711-9722.	3.2	9
44	Gem-Difluoromethylene Alkyne-Enabled Diverse C-H Functionalization and Application to the on-DNA Synthesis of Difluorinated Isocoumarins. <i>Angewandte Chemie</i> , 2021, 133, 1987-1994.	2.0	8
45	Direct Assembly of Phthalides via Calcium(II)-Catalyzed Cascade ortho-C-Alkenylation/Hydroacyloxylation of 3-Aminobenzoic Acids with Alkynes in Hexafluoroisopropanol. <i>Organic Letters</i> , 2022, 24, 1575-1580.	4.6	8
46	Metal-Free [3,3]-Sigmatropic Rearrangement/[3+2] Annulation Cascade of <i>N</i> -Phenoxy Amides with Terminal Alkynes for the Diastereoselective Synthesis of trans-Dihydrobenzofurans. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3980-3985.	4.3	7
47	Identification of the anti-fungal drug fenticonazole nitrate as a novel PPAR $\delta$ -modulating ligand with good therapeutic index: Structure-based screening and biological validation. <i>Pharmacological Research</i> , 2021, 173, 105860.	7.1	7
48	Rhodium(III)-Catalyzed Cascade C-H Coupling/Terminus Michael Addition of <i>N</i> -Phenoxy Amides with 1,6-Enynes. <i>ChemistrySelect</i> , 2021, 6, 6574-6578.	1.5	5
49	Mechanistic Insights into the Dual Directing Group-Mediated C-H Functionalization/Annulation via a Hydroxyl Group-Assisted M <sup>III</sup> -M <sup>V</sup> -M <sup>III</sup> Pathway. <i>ACS Omega</i> , 2021, 6, 17642-17650.	3.5	5
50	TFA-Prompted/Rh(III)-Catalysed Chemoselective C <sup>3</sup> -or C <sup>2</sup> -H Functionalization of Indoles with Methylene-cyclopropanes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5507.	2.4	5
51	Rh(III)-Catalysed Switchable and Chemoselective Synthesis of Difluorinated Pyrazolo[1,2- <i>a</i> ]indazolone and Indole Frameworks. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	5
52	Rh(III)-Catalysed cascade C-H imidization/cyclization of <i>N</i> -methoxybenzamides with isoxazolones for the assembly of dihydroquinazolin-4(1 <i>H</i> )-one derivatives. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1904-1910.	4.5	4
53	Site-selective rhodium carbene transfer of 2-hydroxy- $\beta$ -nitrostyrenes with diazo compounds En route to 2-alkylated benzofurans. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3268-3273.	4.5	4
54	Specific assembly of dihydrobenzofuran frameworks via Rh(III)-catalysed C-H coupling of <i>N</i> -phenoxyacetamides with 2-alkenylphenols. <i>New Journal of Chemistry</i> , 2022, 46, 5705-5711.	2.8	3

#	ARTICLE	IF	CITATIONS
55	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
56	Cascade Reductive Rearrangement for the Stereoselective Synthesis of Multifunctional Piperidinones: A Combined Experimental and Computational Study. ChemistrySelect, 2020, 5, 2332-2336.	1.5	0
57	Hexafluoroisopropanol (HFIP)-prompted rearrangement of N-phenoxy-sulfonamides for the direct assembly of ortho-sulfonamide phenols: A combined experimental and computational study. Tetrahedron Letters, 2022, 89, 153601.	1.4	0