

Yu Zhou

List of Publications by Year in descending order

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65
papers

3,853
citations

236925

25
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128289

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docs citations

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times ranked

4171
citing authors

#	ARTICLE	IF	CITATIONS
1	Next Generation of Fluorine-Containing Pharmaceuticals, Compounds Currently in Phase II–III Clinical Trials of Major Pharmaceutical Companies: New Structural Trends and Therapeutic Areas. <i>Chemical Reviews</i> , 2016, 116, 422-518.	47.7	2,030
2	Ruthenium-Catalyzed Redox-Neutral [4 + 1] Annulation of Benzamides and Propargyl Alcohols via C–H Bond Activation. <i>ACS Catalysis</i> , 2017, 7, 2494-2499.	11.2	118
3	Propargyl Alcohols as One-Carbon Synthons: Redox-Neutral Rhodium(III)-Catalyzed C–H Bond Activation for the Synthesis of Isoindolinones Bearing a Quaternary Carbon. <i>Organic Letters</i> , 2017, 19, 1294-1297.	4.6	106
4	Rhodium(III)-Catalyzed C–H Activation of Benzoylacetonitriles and Cyclization with Sulfoxonium Ylides to Naphthols. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2546-2551.	4.3	81
5	Ruthenium-catalyzed selective C–H bond activation of imidamides and coupling with sulfoxonium ylides: an efficient approach for the synthesis of highly functional 3-ketoindoles. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1183-1188.	4.5	75
6	Crystal structure of the human 5-HT1B serotonin receptor bound to an inverse agonist. <i>Cell Discovery</i> , 2018, 4, 12.	6.7	63
7	Catalytic and catalyst-free diboration of alkynes. <i>Organic Chemistry Frontiers</i> , 2017, 4, 2235-2255.	4.5	56
8	Gold(I)-Catalyzed One-Pot Tandem Coupling/Cyclization: An Efficient Synthesis of Pyrrolo[2,1-b]benzo[1,3]oxazin-1-ones. <i>Advanced Synthesis and Catalysis</i> , 2010, 4.3, 352, 373-378.		55
9	A Mannich/cyclization cascade process for the asymmetric synthesis of spirocyclic thioimidazolidinoxindoles. <i>Chemical Communications</i> , 2014, 50, 14771-14774.	4.1	55
10	Rh(III)-Catalyzed C–H Activation of Benzoylacetonitriles and Tandem Cyclization with Diazo Compounds to Substituted Benzo[<i>cd</i>]chromenes. <i>Organic Letters</i> , 2018, 20, 1720-1724.	4.6	55
11	Gold-catalyzed tandem reaction in water: an efficient and convenient synthesis of fused polycyclic indoles. <i>Green Chemistry</i> , 2012, 14, 1888.	9.0	53
12	Direct Synthesis of 3-Acylindoles through Rhodium(III)-Catalyzed Annulation of <i>N</i> -Phenylamidines with α -Cl Ketones. <i>Organic Letters</i> , 2018, 20, 7645-7649.	4.6	51
13	Exenatide alleviates mitochondrial dysfunction and cognitive impairment in the 5Å–FAD mouse model of Alzheimer’s disease. <i>Behavioural Brain Research</i> , 2019, 370, 111932.	2.2	43
14	Rh(III)-Catalyzed C–H Cyclization of Arylnitrones with Diazo Compounds: Access to 3-Carboxylate Substituted <i>N</i> -Hydroxyindoles. <i>Journal of Organic Chemistry</i> , 2017, 82, 8984-8994.	3.2	42
15	Discovery of Novel Pyrrolo[2,3- <i>d</i>]pyrimidine-based Derivatives as Potent JAK/HDAC Dual Inhibitors for the Treatment of Refractory Solid Tumors. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1243-1264.	6.4	42
16	Highly Enantioselective Michael Addition of 2-Oxindole-3-carboxylate Esters to Nitroolefins Promoted by <i>Cinchona</i> Alkaloid–Thiourea–Brønsted Acid Cocatalysts. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 2151-2156.	4.3	39
17	Asymmetric Michael Addition of <i>N</i> -tert-Butanesulfinyl Imidate with α,β -Unsaturated Diesters: Scope and Application to the Synthesis of Indanone Derivatives. <i>Organic Letters</i> , 2013, 15, 1508-1511.	4.6	39
18	Rh(III)-Catalyzed [5 + 1] Annulation of Indole-enaminones with Diazo Compounds To Form Highly Functionalized Carbazoles. <i>Organic Letters</i> , 2021, 23, 4406-4410.	4.6	38

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19	$\hat{\beta}$ -Carbon Activation through N-Heterocyclic Carbene/Brønsted Acids Cooperative Catalysis: A Highly Enantioselective Route to β -Lactams. <i>Organic Letters</i> , 2015, 17, 3850-3853.	4.6	36
20	Gold(I)-Catalyzed Cascade for Synthesis of Pyrrolo[1,2- <i>a</i> :2- <i>a'</i>]-pyrido[2,1- <i>c</i> :1- <i>c'</i>]pyrrolo[1,2- <i>a</i> :1- <i>a'</i>]quinoxalinones. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1711-1717.	4.4	35
21	Highly selective C-H bond activation of <i>N</i> -arylbenzimidamide and divergent couplings with diazophosphonate compounds: a catalyst-controlled selective synthetic strategy for 3-phosphorylindoles and 4-phosphorylisoquinolines. <i>Organic Chemistry Frontiers</i> , 2019, 6, 393-398.	4.5	34
22	Gold-catalyzed Rapid Construction of Nitrogen-containing Heterocyclic Compound Library with Scaffold Diversity and Molecular Complexity. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1419-1440.	4.3	34
23	Kinetics-Driven Drug Design Strategy for Next-Generation Acetylcholinesterase Inhibitors to Clinical Candidate. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1844-1855.	6.4	32
24	<i>N</i> -Heterocyclic Carbene Catalytic [4 + 2] Cyclization of 3-Alkylenyloxindoles with Enals: $\hat{\beta}$ -Carbon Activation for Enantioselective Assembly of Spirocarbocyclic Oxindoles. <i>Journal of Organic Chemistry</i> , 2016, 81, 8888-8899.	3.2	31
25	A simple, accurate, time-saving and green method for the determination of 15 sulfonamides and metabolites in serum samples by ultra-high performance supercritical fluid chromatography. <i>Journal of Chromatography A</i> , 2016, 1432, 132-139.	3.7	31
26	A Method for Synthesis of 3-Hydroxy-1-indanones via Cu-Catalyzed Intramolecular Annulation Reactions. <i>Journal of Organic Chemistry</i> , 2018, 83, 13356-13362.	3.2	30
27	Catalytic System-Controlled Divergent Reaction Strategies for the Construction of Diversified Spiroprazolone Skeletons from Pyrazolidinones and Diazopyrazolones. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21327-21333.	13.8	28
28	Rh(III)-Catalyzed C-H Bond Activation for the Construction of Heterocycles with sp ³ -Carbon Centers. <i>Catalysts</i> , 2019, 9, 823.	3.5	27
29	GLP-1 improves the neuronal supportive ability of astrocytes in Alzheimer's disease by regulating mitochondrial dysfunction via the cAMP/PKA pathway. <i>Biochemical Pharmacology</i> , 2021, 188, 114578.	4.4	26
30	Identification and biochemical characterization of DC07090 as a novel potent small molecule inhibitor against human enterovirus 71 3C protease by structure-based virtual screening. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 981-991.	5.5	25
31	Enantioselective Assembly of Spirolactones through NHC-Catalyzed Remote $\hat{\beta}$ -Carbon Addition of Enals with Isatins. <i>ACS Combinatorial Science</i> , 2016, 18, 220-224.	3.8	24
32	Design, Synthesis, and Biological Evaluation of Novel Tetrahydroprotoberberine Derivatives (THPBs) as Selective β -Adrenoceptor Antagonists. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 9489-9502.	6.4	23
33	Enantioselective N-Heterocyclic Carbene-Catalyzed [3+3] Annulation of $\hat{\beta}$, $\hat{\gamma}$ -Unsaturated Esters with Methyl Ketoimine. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1864-1869.	4.3	23
34	Rh(III)-Catalyzed Dual C-H Functionalization/Cyclization Cascade by a Removable Directing Group: A Method for Synthesis of Polycyclic Fused Pyrano[<i>de</i>]Isochromenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 12097-12107.	3.2	23
35	Synthesis and Anti-HIV-1 Activity Evaluation for Novel 3a,6a-Dihydro-1H-pyrrolo[3,4- <i>c</i>]pyrazole-4,6-dione Derivatives. <i>Molecules</i> , 2016, 21, 1198.	3.8	22
36	A removable directing group-assisted Rh-catalyzed direct C-H bond activation/annulation cascade to synthesize highly fused isoquinolines. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3186-3192.	4.5	21

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37	<i>N</i> -Heterocyclic Carbene Catalyzed Enantioselective [3 + 2] Dearomatizing Annulation of Saturated Carboxylic Esters with <i>N</i> -Iminoisoquinolinium Ylides. <i>Journal of Organic Chemistry</i> , 2018, 83, 3879-3888.	3.2	20
38	Recent Advances in the Synthesis of Heterocycles via Gold-catalyzed Cascade Reactions: A Review. <i>Current Organic Chemistry</i> , 2017, 21, .	1.6	19
39	Synthesis of Highly Fused Pyrano[2,3- <i>b</i>]pyridines via Rh(III)-Catalyzed C-H Activation and Intramolecular Cascade Annulation under Room Temperature. <i>Journal of Organic Chemistry</i> , 2020, 85, 6281-6294.	3.2	19
40	Exendin-4 enhances proliferation of senescent osteoblasts through activation of the IGF-1/IGF-1R signaling pathway. <i>Biochemical and Biophysical Research Communications</i> , 2019, 516, 300-306.	2.1	18
41	The scientific elucidation of daodi medicinal materials. <i>Chinese Medicine</i> , 2020, 15, 86.	4.0	18
42	Rhodium(III)-Catalyzed C-H Activation of β -Iminonitriles or β -Imino Esters and Cyclization with Acrylates to 2- <i>H</i> -Isoindoles. <i>Journal of Organic Chemistry</i> , 2018, 83, 11736-11746.	3.2	17
43	Ruthenium-Catalyzed C-H Activations for the Synthesis of Indole Derivatives. <i>Catalysts</i> , 2020, 10, 1253.	3.5	17
44	A metal-free method for the facile synthesis of indanones <i>via</i> the intramolecular hydroacylation of 2-vinylbenzaldehyde. <i>Green Chemistry</i> , 2021, 23, 1036-1040.	9.0	14
45	Recurrent non-severe hypoglycemia aggravates cognitive decline in diabetes and induces mitochondrial dysfunction in cultured astrocytes. <i>Molecular and Cellular Endocrinology</i> , 2021, 526, 111192.	3.2	14
46	Rhodium-Catalyzed C-H Activation/Annulation Cascade of Aryl Oximes and Propargyl Alcohols to Isoquinoline <i>N</i> -Oxides. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 3305-3310.	4.3	14
47	A Rh(III)-catalyzed C-H activation/regiospecific annulation cascade of benzoic acids with propargyl acetates to unusual 3-alkylidene-isochromanones. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3876-3882.	4.5	11
48	Discovery and Optimization of Non-bile Acid FXR Agonists as Preclinical Candidates for the Treatment of Nonalcoholic Steatohepatitis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12748-12772.	6.4	11
49	The 3' Untranslated Region Protects the Heart from Angiotensin II-Induced Cardiac Dysfunction via AGGF1 Expression. <i>Molecular Therapy</i> , 2020, 28, 1119-1132.	8.2	10
50	PD-sauvagine: a novel sauvagine/corticotropin releasing factor analogue from the skin secretion of the Mexican giant leaf frog, <i>Pachymedusa dancicolor</i> . <i>Amino Acids</i> , 2012, 43, 1147-1156.	2.7	9
51	Identification and Functional Analysis of a Novel Tryptophyllin Peptide from the Skin of the Red-eye Leaf Frog, <i>Agalychnis callidryas</i> . <i>International Journal of Biological Sciences</i> , 2015, 11, 209-219.	6.4	9
52	The 100 most-cited articles on prenatal diagnosis. <i>Medicine (United States)</i> , 2019, 98, e17236.	1.0	9
53	Rhodium(III)-Catalyzed Redox-Neutral [3+3] Annulation of <i>N</i> -nitrosoanilines with Cyclopropanones: A Traceless Approach to Quinolin-4(1 <i>H</i>)-One Scaffolds. <i>Molecules</i> , 2020, 25, 268.	3.8	9
54	Sulfoximines Assisted Rh(III)-Catalyzed C-H Activation/Annulation Cascade to Synthesize Highly Fused Indeno-1,2-benzothiazines. <i>Journal of Organic Chemistry</i> , 2021, 86, 15217-15227.	3.2	9

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55	Difference in Gastrointestinal Risk Associated with Use of GLP-1 Receptor Agonists: A Real-World Pharmacovigilance Study. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2022, Volume 15, 155-163.	2.4	9
56	Construction of highly enantioenriched spirocyclopentaneoxindoles containing four consecutive stereocenters via thiourea-catalyzed asymmetric Michael-Henry cascade reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1342-1349.	2.2	8
57	Severe hypoglycemia exacerbates myocardial dysfunction and metabolic remodeling in diabetic mice. <i>Molecular and Cellular Endocrinology</i> , 2020, 503, 110692.	3.2	8
58	Progress of Organic Reactions Catalyzed by <i>N</i> -Heterocyclic Carbenes. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 2608.	1.3	8
59	Acute Kidney Injury and Drugs Prescribed for COVID-19 in Diabetes Patients: A Real-World Disproportionality Analysis. <i>Frontiers in Pharmacology</i> , 2022, 13, 833679.	3.5	7
60	2 -induced cascade cyclization and dearomatization of indoles for the highly efficient synthesis of iodinated and vinylic spiroindolenines. <i>Green Chemistry</i> , 2021, 23, 9165-9171.	9.0	6
61	Identification of Potential RBPJ-Specific Inhibitors for Blocking Notch Signaling in Breast Cancer Using a Drug Repurposing Strategy. <i>Pharmaceuticals</i> , 2022, 15, 556.	3.8	5
62	Metabolomic analysis to elucidate the change of the n-3 polyunsaturated fatty acids in senescent osteoblasts. <i>Bioscience, Biotechnology and Biochemistry</i> , 2021, 85, 611-620.	1.3	4
63	Hypoglycemia associated with direct-acting anti-hepatitis C virus drugs: An epidemiologic surveillance study of the FDA adverse event reporting system (FAERS). <i>Clinical Endocrinology</i> , 2022, 96, 690-697.	2.4	4
64	Catalytic System-Controlled Divergent Reaction Strategies for the Construction of Diversified Spiropyrazolone Skeletons from Pyrazolidinones and Diazopyrazolones. <i>Angewandte Chemie</i> , 2021, 133, 21497-21503.	2.0	0
65	LC-MS/MS assay of fluoropezil and its two major metabolites in human plasma: an application to pharmacokinetic studies. <i>Bioanalysis</i> , 0, , .	1.5	0