

Zhenfeng Zhang

List of Publications by Year in descending order

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63
papers

2,448
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201674

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times ranked

1397
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Bicyclic Imidazole-Catalyzed Direct Enantioselective α -Acetylation of Indolones. <i>CCS Chemistry</i> , 2023, 5, 361-371.	7.8	5
2	Azole-Directed Cobalt-Catalyzed Asymmetric Hydrogenation of Alkenes. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	12
3	Cover Feature: Azole-Directed Cobalt-Catalyzed Asymmetric Hydrogenation of Alkenes (<i>Chem. Eur. J.</i>) Tj ETQq1_1_0.784314 rgBT / 3.3 0	3.3	0
4	Chiral Bicyclic Imidazole-Catalyzed Acylative Dynamic Kinetic Resolution for the Synthesis of Chiral Phthalidyl Esters. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1641-1645.	13.8	27
5	Chiral Bicyclic Imidazole-Catalyzed Acylative Dynamic Kinetic Resolution for the Synthesis of Chiral Phthalidyl Esters. <i>Angewandte Chemie</i> , 2021, 133, 1665-1669.	2.0	4
6	Asymmetric Hydroacylation Involving Alkene Isomerization for the Construction of C ₃ Chirogenic Center. <i>Angewandte Chemie</i> , 2021, 133, 9079-9084.	2.0	0
7	Asymmetric Hydroacylation Involving Alkene Isomerization for the Construction of C ₃ Chirogenic Center. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8997-9002.	13.8	17
8	Cobalt-Catalyzed Chemo- and Enantioselective Hydrogenation of Conjugated Enynes. <i>Angewandte Chemie</i> , 2021, 133, 17126-17130.	2.0	10
9	Synthesis and biological evaluation of naphthoquinone phenacylimidazolium derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 127977.	2.2	7
10	Nickel-Catalyzed Asymmetric Hydrogenation of Hydrazones. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3421-3425.	2.4	27
11	Cobalt-Catalyzed Chemo- and Enantioselective Hydrogenation of Conjugated Enynes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16989-16993.	13.8	49
12	Asymmetric hydrogenation of α -branched allylamines for the efficient synthesis of α -chirogenic amines. <i>Natural Sciences</i> , 2021, 1, e10021.	2.1	20
13	Asymmetric hydrogenation for the synthesis of 2-substituted chiral morpholines. <i>Chemical Science</i> , 2021, 12, 15061-15066.	7.4	9
14	Chemical Synthesis of the Anti-COVID-19 Drug Remdesivir. <i>Current Protocols</i> , 2021, 1, e303.	2.9	4
15	Frontispiz: Catalytic Asymmetric Synthesis of the anti-COVID-19 Drug Remdesivir. <i>Angewandte Chemie</i> , 2020, 132, .	2.0	0
16	Frontispiece: Catalytic Asymmetric Synthesis of the anti-COVID-19 Drug Remdesivir. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	13.8	0
17	Catalytic Asymmetric Synthesis of the anti-COVID-19 Drug Remdesivir. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20814-20819.	13.8	73
18	Catalytic Asymmetric Synthesis of the anti-COVID-19 Drug Remdesivir. <i>Angewandte Chemie</i> , 2020, 132, 21000-21005.	2.0	11

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19	Asymmetric Hydrogenation of $\hat{\pm}$ -Boryl Enamides Enabled by Nonbonding Interactions. ACS Catalysis, 2020, 10, 3232-3240.	11.2	28
20	Nickel-catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Amidoacrylates. Angewandte Chemie, 2020, 132, 5409-5413.	2.0	24
21	Nickel-catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Amidoacrylates. Angewandte Chemie - International Edition, 2020, 59, 5371-5375.	13.8	83
22	A step-economic and one-pot access to chiral C ^{$\hat{\pm}$} -tetrasubstituted $\hat{\pm}$ -amino acid derivatives via a bicyclic imidazole-catalyzed direct enantioselective C-acylation. Chemical Science, 2020, 11, 4801-4807.	7.4	14
23	Chemo- and Enantioselective Hydrogenation of $\hat{\pm}$ -Formyl Enamides: An Efficient Access to Chiral $\hat{\pm}$ -Amido Aldehydes. Angewandte Chemie, 2019, 131, 11629-11636.	2.0	18
24	Cobalt-catalyzed Asymmetric Hydrogenation of C=N Bonds Enabled by Assisted Coordination and Nonbonding Interactions. Angewandte Chemie - International Edition, 2019, 58, 15767-15771.	13.8	92
25	Cobalt-catalyzed Asymmetric Hydrogenation of C=N Bonds Enabled by Assisted Coordination and Nonbonding Interactions. Angewandte Chemie, 2019, 131, 15914-15918.	2.0	27
26	Pd(OAc) ₂ -Catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Iminoesters. Organic Letters, 2019, 21, 9060-9065.	4.6	19
27	Synthesis of Chiral $\hat{\pm}$ -Aminosilanes through Palladium-Catalyzed Asymmetric Hydrogenation of Silylimines. Organic Letters, 2019, 21, 1042-1045.	4.6	28
28	Innenrötikelbild: Nickel-catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Sulfonyl Imines (Angew.) Tj ETQq0 0 0 rgBT ₀ /Overlock	2.0	
29	Chiral Bicyclic Imidazole-catalyzed Direct Enantioselective C-acylation for the Synthesis of $\hat{\pm}$ -Oxindoles Bearing a Quaternary Stereocenter. Asian Journal of Organic Chemistry, 2019, 8, 1024-1028.	2.7	13
30	Chemo- and Enantioselective Hydrogenation of $\hat{\pm}$ -Formyl Enamides: An Efficient Access to Chiral $\hat{\pm}$ -Amido Aldehydes. Angewandte Chemie - International Edition, 2019, 58, 11505-11512.	13.8	54
31	Nickel-catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Sulfonyl Imines. Angewandte Chemie - International Edition, 2019, 58, 7329-7334.	13.8	131
32	Nickel-catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Sulfonyl Imines. Angewandte Chemie, 2019, 131, 7407-7412.	2.0	33
33	Development of a new bicyclic imidazole nucleophilic organocatalyst for direct enantioselective C-acylation. Organic Chemistry Frontiers, 2019, 6, 3969-3972.	4.5	13
34	Rhodium-catalyzed intramolecular hydroacylation of 1,2-disubstituted alkenes for the synthesis of 2-substituted indanones. Tetrahedron, 2019, 75, 269-277.	1.9	15
35	Asymmetric Transfer and Pressure Hydrogenation with Earth-Abundant Transition Metal Catalysts. Chinese Journal of Chemistry, 2018, 36, 443-454.	4.9	148
36	Rhodium-catalyzed Chemo- and Enantioselective Hydrogenation of Alkynyl-Aryl Hydrazones. Advanced Synthesis and Catalysis, 2018, 360, 2228-2232.	4.3	28

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37	An <i>Atropos</i> Chiral Biphenyl Bisphosphine Ligand Bearing Only 2,2-Substituents and Its Application in Rh-Catalyzed Asymmetric Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 738-743.	4.3	27
38	Rh-Catalyzed Asymmetric Hydrogenation of β -Branched Enol Esters for the Synthesis of β -Chiral Primary Alcohols. <i>Organic Letters</i> , 2018, 20, 108-111.	4.6	34
39	Pd(OAc) ₂ -catalyzed asymmetric hydrogenation of sterically hindered N-tosylimines. <i>Nature Communications</i> , 2018, 9, 5000.	12.8	70
40	Rhodium-catalyzed asymmetric hydrogenation of β -branched enamides for the synthesis of β -stereogenic amines. <i>Chemical Communications</i> , 2018, 54, 6024-6027.	4.1	38
41	An <i>Atropos</i> Biphenyl Bisphosphine Ligand with 2,2- <i>tert</i> -Butylmethylphosphino Groups for the Rhodium-Catalyzed Asymmetric Hydrogenation of Enol Esters. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3793-3800.	4.3	17
42	2-Substituted-1-(2-morpholinoethyl)-1H-naphtho[2,3-d]imidazole-4,9-diones: Design, synthesis and antiproliferative activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2454-2458.	2.2	23
43	Design, Synthesis and Antitumor Activity of 1-Monosubstituted 1 <i>H</i> -Naphtho[2,3- <i>d</i>]imidazole-4,9-diones and 1 <i>H</i> -Anthra[2,3- <i>d</i>]imidazole-4,11-diones. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 3302.	1.3	4
44	Rh-Catalyzed Chemo- and Enantioselective Hydrogenation of Allylic Hydrazones. <i>Chemistry - A European Journal</i> , 2017, 23, 1040-1043.	3.3	31
45	New and convenient approach for synthesis of metconazole. <i>Research on Chemical Intermediates</i> , 2017, 43, 6293-6298.	2.7	3
46	A new and convenient approach for the synthesis of P-stereogenic intermediates bearing a <i>tert</i> -butyl(methyl)phosphino group. <i>Research on Chemical Intermediates</i> , 2017, 43, 4959-4966.	2.7	9
47	Direct enantioselective C-acylation for the construction of a quaternary stereocenter catalyzed by a chiral bicyclic imidazole. <i>Chemical Communications</i> , 2017, 53, 1381-1384.	4.1	29
48	Palladium-Catalyzed Chemo- and Enantioselective C=O Bond Cleavage of α -Acyloxy Ketones by Hydrogenolysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8444-8447.	13.8	39
49	One-pot sequential asymmetric hydrogenation of β -aryl- β -aryloxy acroleins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7099-7102.	2.8	9
50	Palladium-Catalyzed Chemo- and Enantioselective C=O Bond Cleavage of α -Acyloxy Ketones by Hydrogenolysis. <i>Angewandte Chemie</i> , 2016, 128, 8584-8587.	2.0	17
51	Ru-Catalyzed Asymmetric Hydrogenative/Transfer Hydrogenative Desymmetrization of Meso-Epoxy Diketones. <i>Organic Letters</i> , 2016, 18, 2640-2643.	4.6	22
52	Asymmetric Hydrogenation of Nonaromatic Cyclic Substrates. <i>Chemical Reviews</i> , 2016, 116, 14769-14827.	47.7	284
53	Rh-Catalyzed One-Pot Sequential Asymmetric Hydrogenation of β -Dehydroamino Ketones for the Synthesis of Chiral Cyclic <i>trans</i> - β -Amino Alcohols. <i>Organic Letters</i> , 2016, 18, 1290-1293.	4.6	55
54	Development of the Asymmetric Hydrogenation of Enol Esters. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 447.	1.3	20

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55	ZnCl ₂ -Promoted Asymmetric Hydrogenation of β -Secondary Amino Ketones Catalyzed by a Chiral Rh-Bisphosphine Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2260-2264.	13.8	84
56	Rh-Catalyzed Asymmetric Hydrogenation of Cyclic β -Dehydroamino Ketones. <i>Organic Letters</i> , 2015, 17, 5380-5383.	4.6	36
57	Asymmetric Hydrogenation of Cyclic Dehydroamino Acids and Their Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 528.	1.3	33
58	Chiral Bicyclic Imidazole Nucleophilic Catalysts: Design, Synthesis, and Application to the Kinetic Resolution of Arylalkylcarbinols. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3164-3170.	4.3	25
59	Enantioselective Black rearrangement catalyzed by chiral bicyclic imidazole. <i>Chemical Communications</i> , 2014, 50, 1227-1230.	4.1	37
60	Cu-catalyzed amidation of halogenated imidazoles. <i>Chemical Communications</i> , 2014, 50, 3163.	4.1	29
61	Rigid P-Chiral Phosphine Ligands with <i>tert</i> -Butylmethylphosphino Groups for Rhodium-Catalyzed Asymmetric Hydrogenation of Functionalized Alkenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 1754-1769.	13.7	240
62	First catalytic enantioselective synthesis of P-stereogenic phosphoramides via kinetic resolution promoted by a chiral bicyclic imidazole nucleophilic catalyst. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 329-332.	1.8	40
63	Chiral Bicycle Imidazole Nucleophilic Catalysts: Rational Design, Facile Synthesis, and Successful Application in Asymmetric Steglich Rearrangement. <i>Journal of the American Chemical Society</i> , 2010, 132, 15939-15941.	13.7	122