Zhenfeng Zhang

List of Publications by Year
in descending order

63	2,448	201674	206112
papers	citations	27 h-index	48 g-index

65	65	65	1397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Asymmetric Hydrogenation of Nonaromatic Cyclic Substrates. Chemical Reviews, 2016, 116, 14769-14827.	47.7	284
2	Rigid P-Chiral Phosphine Ligands with tert-Butylmethylphosphino Groups for Rhodium-Catalyzed Asymmetric Hydrogenation of Functionalized Alkenes. Journal of the American Chemical Society, 2012, 134, 1754-1769.	13.7	240
3	Asymmetric Transfer and Pressure Hydrogenation with Earthâ€Abundant Transition Metal Catalysts. Chinese Journal of Chemistry, 2018, 36, 443-454.	4.9	148
4	Nickelâ€Catalyzed Asymmetric Hydrogenation of Nâ€Sulfonyl Imines. Angewandte Chemie - International Edition, 2019, 58, 7329-7334.	13.8	131
5	Chiral Bicycle Imidazole Nucleophilic Catalysts: Rational Design, Facile Synthesis, and Successful Application in Asymmetric Steglich Rearrangement. Journal of the American Chemical Society, 2010, 132, 15939-15941.	13.7	122
6	Cobaltâ€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
7	ZnCl₂â€Promoted Asymmetric Hydrogenation of Î²â€Secondaryâ€Amino Ketones Catalyzed by a Pâ€Chiral Rhâ€“Bisphosphine Complex. Angewandte Chemie - International Edition, 2015, 54, 2260-2264.	13.8	84
8	Nickelâ€Catalyzed Asymmetric Hydrogenation of 2â€Amidoacrylates. Angewandte Chemie - International Edition, 2020, 59, 5371-5375.	13.8	83
9	Catalytic Asymmetric Synthesis of the antiâ€COVIDâ€19 Drug Remdesivir. Angewandte Chemie - International Edition, 2020, 59, 20814-20819.	13.8	73
10	Pd(OAc)2-catalyzed asymmetric hydrogenation of sterically hindered N-tosylimines. Nature Communications, 2018, 9, 5000.	12.8	70
11	Rh-Catalyzed One-Pot Sequential Asymmetric Hydrogenation of Î±-Dehydroamino Ketones for the Synthesis of Chiral Cyclic trans-Î²-Amino Alcohols. Organic Letters, 2016, 18, 1290-1293.	4.6	55
12	Chemoâ€•and Enantioselective Hydrogenation of Î±â€Formyl Enamides: An Efficient Access to Chiral Î±â€Amido Aldehydes. Angewandte Chemie - International Edition, 2019, 58, 11505-11512.	13.8	54
13	Cobaltâ€Catalyzed Chemoâ€•and Enantioselective Hydrogenation of Conjugated Enynes. Angewandte Chemie - International Edition, 2021, 60, 16989-16993.	13.8	49
14	First catalytic enantioselective synthesis of P-stereogenic phosphoramides via kinetic resolution promoted by a chiral bicyclic imidazole nucleophilic catalyst. Tetrahedron: Asymmetry, 2012, 23, 329-332.	1.8	40
15	Palladiumâ€Catalyzed Chemoâ€•and Enantioselective Câ€“O Bond Cleavage of Î±â€Acyloxy Ketones by Hydrogenolysis. Angewandte Chemie - International Edition, 2016, 55, 8444-8447.	13.8	39
16	Rhodium-catalyzed asymmetric hydrogenation of Î²-branched enamides for the synthesis of Î²-stereogenic amines. Chemical Communications, 2018, 54, 6024-6027.	4.1	38
17	Enantioselective Black rearrangement catalyzed by chiral bicyclic imidazole. Chemical Communications, 2014, 50, 1227-1230.	4.1	37
18	Rh-Catalyzed Asymmetric Hydrogenation of Cyclic Î±-Dehydroamino Ketones. Organic Letters, 2015, 17, 5380-5383.	4.6	36

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19	Rh-Catalyzed Asymmetric Hydrogenation of Î²-Branched Enol Esters for the Synthesis of Î²-Chiral Primary Alcohols. Organic Letters, 2018, 20, 108-111.	4.6	34
20	Nickelâ€Catalyzed Asymmetric Hydrogenation of N â€Sulfonyl Imines. Angewandte Chemie, 2019, 131, 7407-7412.	2.0	33
21	Asymmetric Hydrogenation of Cyclic Dehydroamino Acids and Their Derivatives. Chinese Journal of Organic Chemistry, 2015, 35, 528.	1.3	33
22	Rhâ€Catalyzed Chemoâ€and Enantioselective Hydrogenation of Allylic Hydrazones. Chemistry - A European Journal, 2017, 23, 1040-1043.	3.3	31
23	Cu-catalyzed amidation of halogenated imidazoles. Chemical Communications, 2014, 50, 3163.	4.1	29
24	Direct enantioselective C-acylation for the construction of a quaternary stereocenter catalyzed by a chiral bicyclic imidazole. Chemical Communications, 2017, 53, 1381-1384.	4.1	29
25	Rhodiumâ€Catalyzed Chemoâ€and Enantioselective Hydrogenation of Alkynylâ€Aryl Hydrazones. Advanced Synthesis and Catalysis, 2018, 360, 2228-2232.	4.3	28
26	Synthesis of Chiral Î±-Aminosilanes through Palladium-Catalyzed Asymmetric Hydrogenation of Silylimines. Organic Letters, 2019, 21, 1042-1045.	4.6	28
27	Asymmetric Hydrogenation of Î±-Boryl Enamides Enabled by Nonbonding Interactions. ACS Catalysis, 2020, 10, 3232-3240.	11.2	28
28	An Atropos Chiral Biphenyl Bisphosphine Ligand Bearing Only 2,2â€²â€Substituents and Its Application in Rhâ€Catalyzed Asymmetric Hydrogenation. Advanced Synthesis and Catalysis, 2018, 360, 738-743.	4.3	27
29	Cobaltâ€Catalyzed Asymmetric Hydrogenation of C=N Bonds Enabled by Assisted Coordination and Nonbonding Interactions. Angewandte Chemie, 2019, 131, 15914-15918.	2.0	27
30	Chiral Bicyclic Imidazoleâ€Catalyzed Acylative Dynamic Kinetic Resolution for the Synthesis of Chiral Phthalidyl Esters. Angewandte Chemie - International Edition, 2021, 60, 1641-1645.	13.8	27
31	Nickelâ€Catalyzed Asymmetric Hydrogenation of Hydrazones. European Journal of Organic Chemistry, 2021, 2021, 3421-3425.	2.4	27
32	Chiral Bicyclic Imidazole Nucleophilic Catalysts: Design, Synthesis, and Application to the Kinetic Resolution of Arylalkylcarbinols. Advanced Synthesis and Catalysis, 2014, 356, 3164-3170.	4.3	25
33	Nickelâ€Catalyzed Asymmetric Hydrogenation of 2â€Amidoacrylates. Angewandte Chemie, 2020, 132, 5409-5413.	2.0	24
34	2-Substituted-1-(2-morpholinoethyl)-1 H -naphtho[2,3- d]imidazole-4,9-diones: Design, synthesis and antiproliferative activity. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2454-2458.	2.2	23
35	Ru-Catalyzed Asymmetric Hydrogenative/Transfer Hydrogenative Desymmetrization of Meso-Epoxy Diketones. Organic Letters, 2016, 18, 2640-2643.	4.6	22
36	Asymmetric hydrogenation of Î³â€branched allylamines for the efficient synthesis of Î³â€chirogenic amines. Natural Sciences, 2021, 1, e10021.	2.1	20

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37	Development of the Asymmetric Hydrogenation of Enol Esters. Chinese Journal of Organic Chemistry, 2016, 36, 447.	1.3	20
38	Pd(OAc)₂-Catalyzed Asymmetric Hydrogenation of Î±-Iminoesters. Organic Letters, 2019, 21, 9060-9065.	4.6	19
39	Chemoâ€•and Enantioselective Hydrogenation of Î±â€Formyl Enamides: An Efficient Access to Chiral Î±â€Amido Aldehydes. Angewandte Chemie, 2019, 131, 11629-11636.	2.0	18
40	Palladiumâ€Catalyzed Chemoâ€•and Enantioselective Câˆ’O Bond Cleavage of Î±â€Acyloxy Ketones by Hydrogenolysis. Angewandte Chemie, 2016, 128, 8584-8587.	2.0	17
41	An Atropos Biphenyl Bisphosphine Ligand with 2,2â€²â€tertâ€Butylmethylphosphino Groups for the Rhodiumâ€Catalyzed Asymmetric Hydrogenation of Enol Esters. Advanced Synthesis and Catalysis, 2018, 360, 3793-3800.	4.3	17
42	Asymmetric Hydroacylation Involving Alkene Isomerization for the Construction of C₃â€Chirogenic Center. Angewandte Chemie - International Edition, 2021, 60, 8997-9002.	13.8	17
43	Rhodium-catalyzed intramolecular hydroacylation of 1,2-disubstituted alkenes for the synthesis of 2-substituted indanones. Tetrahedron, 2019, 75, 269-277.	1.9	15
44	A step-economic and one-pot access to chiral C^{Î±}-tetrasubstituted Î±-amino acid derivatives via a bicyclic imidazole-catalyzed direct enantioselective C-acylation. Chemical Science, 2020, 11, 4801-4807.	7.4	14
45	Chiral Bicyclic Imidazoleâ€Catalyzed Direct Enantioselective Câ€Acylation for the Synthesis of 2â€Oxindoles Bearing a Quaternary Stereocenter. Asian Journal of Organic Chemistry, 2019, 8, 1024-1028.	2.7	13
46	Development of a new bicyclic imidazole nucleophilic organocatalyst for direct enantioselective C-acylation. Organic Chemistry Frontiers, 2019, 6, 3969-3972.	4.5	13
47	Azoleâ€Directed Cobaltâ€Catalyzed Asymmetric Hydrogenation of Alkenes. Chemistry - A European Journal, 2022, 28, .	3.3	12
48	Catalytic Asymmetric Synthesis of the antiâ€COVIDâ€19 Drug Remdesivir. Angewandte Chemie, 2020, 132, 21000-21005.	2.0	11
49	Cobaltâ€Catalyzed Chemoâ€•and Enantioselective Hydrogenation of Conjugated Enynes. Angewandte Chemie, 2021, 133, 17126-17130.	2.0	10
50	One-pot sequential asymmetric hydrogenation of Î²-aryl-Î²-aryloxy acroleins. Organic and Biomolecular Chemistry, 2016, 14, 7099-7102.	2.8	9
51	A new and convenient approach for the synthesis of P-stereogenic intermediates bearing a tert-butyl(methyl)phosphino group. Research on Chemical Intermediates, 2017, 43, 4959-4966.	2.7	9
52	Asymmetric hydrogenation for the synthesis of 2-substituted chiral morpholines. Chemical Science, 2021, 12, 15061-15066.	7.4	9
53	Synthesis and biological evaluation of naphthoquinone phenacylimidazolium derivatives. Bioorganic and Medicinal Chemistry Letters, 2021, 41, 127977.	2.2	7
54	Chiral Bicyclic Imidazole-Catalyzed Direct Enantioselective C -Acetylation of Indolones. CCS Chemistry, 2023, 5, 361-371.	7.8	5

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55	Chiral Bicyclic Imidazoleâ€Catalyzed Acylative Dynamic Kinetic Resolution for the Synthesis of Chiral Phthalidyl Esters. Angewandte Chemie, 2021, 133, 1665-1669.	2.0	4
56	Design, Synthesis and Antitumor Activity of 1-Monosubstituted 1H-Naphtho[2,3-d]imidazole-4,9-diones and 1H-Anthra[2,3-d]imidazole-4,11-diones. Chinese Journal of Organic Chemistry, 2018, 38, 3302.	1.3	4
57	Chemical Synthesis of the Antiâ€COVIDâ€19 Drug Remdesivir. Current Protocols, 2021, 1, e303.	2.9	4
58	New and convenient approach for synthesis of metconazole. Research on Chemical Intermediates, 2017, 43, 6293-6298.	2.7	3
59	InnenrÃ¼cktitelbild: Nickelâ€Catalyzed Asymmetric Hydrogenation of Nâ€Sulfonyl Imines (Angew.) Tj ETQq1 1 0.784314 rgBT	2.0	0
60	Frontispiz: Catalytic Asymmetric Synthesis of the antiâ€COVIDâ€19 Drug Remdesivir. Angewandte Chemie, 2020, 132, .	2.0	0
61	Frontispiece: Catalytic Asymmetric Synthesis of the antiâ€COVIDâ€19 Drug Remdesivir. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0
62	Asymmetric Hydroacylation Involving Alkene Isomerization for the Construction of C 3 â€Chirogenic Center. Angewandte Chemie, 2021, 133, 9079-9084.	2.0	0
63	Cover Feature: Azoleâ€Directed Cobaltâ€Catalyzed Asymmetric Hydrogenation of Alkenes (Chem. Eur. J.) Tj ETQq1 1 0.784314 rgBT	3.3	0