

# Wanbin Zhang

## List of Publications by Year in descending order

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280  
papers

12,222  
citations

25014

57  
h-index

45285

90  
g-index

308  
all docs

308  
docs citations

308  
times ranked

5568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition metal-catalyzed allylic substitution reactions with unactivated allylic substrates. <i>Chemical Society Reviews</i> , 2015, 44, 7929-7967.	18.7	521
2	An Ir/Zn Dual Catalysis for Enantio- and Diastereodivergent $\hat{\pm}$ -Allylation of $\hat{\pm}$ -Hydroxyketones. <i>Journal of the American Chemical Society</i> , 2016, 138, 11093-11096.	6.6	293
3	Asymmetric Hydrogenation of Nonaromatic Cyclic Substrates. <i>Chemical Reviews</i> , 2016, 116, 14769-14827.	23.0	284
4	Ir/Cu Dual Catalysis: Enantio- and Diastereodivergent Access to $\hat{\pm}$ , $\hat{\pm}$ -Disubstituted $\hat{\pm}$ -Amino Acids Bearing Vicinal Stereocenters. <i>Journal of the American Chemical Society</i> , 2018, 140, 2080-2084.	6.6	273
5	C=C-N Bond Cleavage of Allylic Amines via Hydrogen Bond Activation with Alcohol Solvents in Pd-Catalyzed Allylic Alkylation of Carbonyl Compounds. <i>Journal of the American Chemical Society</i> , 2011, 133, 19354-19357.	6.6	251
6	Asymmetric synthesis of allylic compounds via hydrofunctionalisation and difunctionalisation of dienes, allenes, and alkynes. <i>Chemical Society Reviews</i> , 2020, 49, 2060-2118.	18.7	234
7	Stereoselective and Site-Specific Allylic Alkylation of Amino Acids and Small Peptides via a Pd/Cu Dual Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 9819-9822.	6.6	207
8	Renaissance of pyridine-oxazolines as chiral ligands for asymmetric catalysis. <i>Chemical Society Reviews</i> , 2018, 47, 1783-1810.	18.7	185
9	Palladium-Catalyzed Allylic Alkylation of Simple Ketones with Allylic Alcohols and Its Mechanistic Study. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6776-6780.	7.2	160
10	A Palladium-Catalyzed Enantioselective Addition of Arylboronic Acids to Cyclic Ketimines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7540-7544.	7.2	158
11	An Asymmetric Aerobic Aza-Wacker Type Cyclization: Synthesis of Isoindolinones Bearing Tetrasubstituted Carbon Stereocenters. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9141-9145.	7.2	157
12	Cooperative bimetallic catalysis in asymmetric allylic substitution. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9747-9759.	1.5	157
13	Stereodivergent Pd/Cu Catalysis for the Dynamic Kinetic Asymmetric Transformation of Racemic Unsymmetrical 1,3-Disubstituted Allyl Acetates. <i>Journal of the American Chemical Society</i> , 2020, 142, 8097-8103.	6.6	156
14	Asymmetric Transfer and Pressure Hydrogenation with Earth-Abundant Transition Metal Catalysts. <i>Chinese Journal of Chemistry</i> , 2018, 36, 443-454.	2.6	148
15	Nickel-Catalyzed Asymmetric Hydrogenation of $\alpha$ -Sulfonyl Imines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7329-7334.	7.2	131
16	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.	6.6	122
17	Enantio- and Diastereodivergent Construction of 1,3-Nonadjacent Stereocenters Bearing Axial and Central Chirality through Synergistic Pd/Cu Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 12622-12632.	6.6	122
18	Iridium-Catalyzed Asymmetric Hydrogenation of $\alpha$ -Alkylidene Succinimides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2203-2206.	7.2	111

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19	Hydrogen-Bond-Activated Palladium-Catalyzed Allylic Alkylation via Allylic Alkyl Ethers: Challenging Leaving Groups. <i>Organic Letters</i> , 2014, 16, 1570-1573.	2.4	111
20	Palladium-Catalyzed Enantioselective Decarboxylative Cycloaddition of Vinyl-ethylene Carbonates with Isocyanates. <i>Chemistry - A European Journal</i> , 2015, 21, 120-124.	1.7	111
21	Interesting and effective P,N-chelation of tetrasubstituted ferrocene ligands for palladium-catalyzed asymmetric allylic substitution. <i>Tetrahedron Letters</i> , 1996, 37, 4545-4548.	0.7	110
22	Enantio- and Diastereodivergent Synthesis of Spirocycles through Dual-Metal-Catalyzed [3+2] Annulation of $\alpha$ -Vinyl oxiranes with Nucleophilic Dipoles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24941-24949.	7.2	110
23	Mechanism of the Asymmetric Hydrogenation of Exocyclic $\alpha,\beta$ -Unsaturated Carbonyl Compounds with an Iridium/BiphPhox Catalyst: NMR and DFT Studies. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1901-1905.	7.2	106
24	Synergistic Pd/Cu Catalysis in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, 4895-4916.	1.7	106
25	Highly diastereoselective ortho-lithiation of 1,1-bis-(oxazoliny)ferrocene directed to C2-symmetric chiral ligands. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 451-460.	1.8	105
26	Iridium-Catalyzed Highly Enantioselective Hydrogenation of Exocyclic $\alpha,\beta$ -Unsaturated Carbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1841-1845.	2.1	105
27	Nickel-catalyzed C-P coupling of aryl mesylates and tosylates with H(O)PR <sub>2</sub> . <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3500.	1.5	105
28	Efficient palladium-catalyzed asymmetric allylic alkylation of ketones and aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1871.	1.5	92
29	Cobalt-Catalyzed Asymmetric Hydrogenation of C=N Bonds Enabled by Assisted Coordination and Nonbonding Interactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15767-15771.	7.2	92
30	Diphenylphosphinoxazoline ligands with a chiral binaphthyl backbone for Pd-catalyzed allylic alkylation. <i>Tetrahedron Letters</i> , 1998, 39, 4343-4346.	0.7	90
31	Asymmetric Aza-Wacker-Type Cyclization of <i>N</i> -Ts Hydrazine-Tethered Tetrasubstituted Olefins: Synthesis of Pyrazolines Bearing One Quaternary or Two Vicinal Stereocenters. <i>Journal of the American Chemical Society</i> , 2018, 140, 7587-7597.	6.6	88
32	Ir/Zn Dual Catalysis: Enantioselective and Diastereodivergent $\alpha$ -Alkylation of Unprotected $\alpha$ -Hydroxy Indanones. <i>Organic Letters</i> , 2017, 19, 5513-5516.	2.4	86
33	ZnCl <sub>2</sub> -Promoted Asymmetric Hydrogenation of $\alpha$ -Secondary Amino Ketones Catalyzed by a Chiral Rh-Bisphosphine Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2260-2264.	7.2	84
34	Nickel-Catalyzed Asymmetric Hydrogenation of $\alpha$ -Amidoacrylates. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5371-5375.	7.2	83
35	Regioselective Pd-Catalyzed Aerobic Aza-Wacker Cyclization for Preparation of Isoindolinones and Isoquinolin-1(2H)-ones. <i>Organic Letters</i> , 2012, 14, 268-271.	2.4	81
36	C2-Symmetric Diphosphine Ligands with Only the Planar Chirality of Ferrocene for the Palladium-Catalyzed Asymmetric Allylic Alkylation. <i>Journal of Organic Chemistry</i> , 1999, 64, 6247-6251.	1.7	80

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37	Novel chiral P,N-ferrocene ligands in palladium-catalyzed asymmetric allylic alkylations. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 3371-3380.	1.8	78
38	Ni-catalyzed asymmetric hydrogenation of N-aryl imino esters for the efficient synthesis of chiral $\hat{\pm}$ -aryl glycines. <i>Nature Communications</i> , 2020, 11, 5935.	5.8	78
39	Pd(II)-Catalyzed Asymmetric Addition of Arylboronic Acids to Isatin-Derived Ketimines. <i>Organic Letters</i> , 2016, 18, 288-291.	2.4	74
40	Novel Chiral Bisoxazoline Ligands with a Biphenyl Backbone: Preparation, Complexation, and Application in Asymmetric Catalytic Reactions. <i>Journal of Organic Chemistry</i> , 2000, 65, 3326-3333.	1.7	73
41	Pd-catalyzed asymmetric addition of arylboronic acids to cyclic N-sulfonyl ketimine esters and a DFT study of its mechanism. <i>Organic Chemistry Frontiers</i> , 2015, 2, 398-402.	2.3	73
42	Catalytic Asymmetric Synthesis of the anti-COVID-19 Drug Remdesivir. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20814-20819.	7.2	73
43	Palladium-Catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Acyloxy-arylethanones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11632-11636.	7.2	72
44	Pd-catalyzed asymmetric aza-Wacker-type cyclization reaction of olefinic tosylamides. <i>Tetrahedron Letters</i> , 2010, 51, 5124-5126.	0.7	71
45	Pd(OAc) <sub>2</sub> -catalyzed asymmetric hydrogenation of sterically hindered N-tosylimines. <i>Nature Communications</i> , 2018, 9, 5000.	5.8	70
46	Palladium-catalyzed asymmetric allylic alkylation with an enamine as the nucleophilic reagent. <i>Tetrahedron Letters</i> , 2007, 48, 7591-7594.	0.7	67
47	The Design and Synthesis of Planar Chiral Ligands and Their Application to Asymmetric Catalysis. <i>Synlett</i> , 2014, 25, 615-630.	1.0	66
48	Novel C <sub>2</sub> -symmetric diphosphine ligand with only the planar chirality of ferrocene. <i>Tetrahedron Letters</i> , 1996, 37, 7995-7998.	0.7	64
49	Hydrogen-Bond Directed Regioselective Pd-Catalyzed Asymmetric Allylic Alkylation: The Construction of Chiral $\hat{\pm}$ -Amino Acids with Vicinal Tertiary and Quaternary Stereocenters. <i>Organic Letters</i> , 2015, 17, 5768-5771.	2.4	64
50	Nickel-catalysed asymmetric hydrogenation of oximes. <i>Nature Chemistry</i> , 2022, 14, 920-927.	6.6	63
51	Ni-catalyzed asymmetric addition of arylboronic acids to cyclic imines. <i>Chemical Communications</i> , 2017, 53, 609-612.	2.2	60
52	Ni(II)-catalyzed asymmetric alkenylations of ketimines. <i>Nature Communications</i> , 2018, 9, 2258.	5.8	60
53	Novel axial chiral catalyst derived from biphenyl ligand bearing only two ortho-substituents. <i>Tetrahedron Letters</i> , 1997, 38, 2681-2684.	0.7	59
54	Highly enantioselective Pd(II)-catalyzed Wacker-type cyclization of 2-allylphenols by use of bisoxazoline ligands with axis-unfixed biphenyl backbone. <i>Tetrahedron Letters</i> , 2007, 48, 4179-4182.	0.7	59

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55	Enamines: efficient nucleophiles for the palladium-catalyzed asymmetric allylic alkylation. <i>Tetrahedron</i> , 2009, 65, 512-517.	1.0	59
56	Insertion of Arynes into Arylphosphoryl Amide Bonds: One-Step Simultaneous Construction of C=C-N and C=C-P Bonds. <i>Organic Letters</i> , 2013, 15, 5722-5725.	2.4	59
57	Palladium-Catalyzed Aerobic Aminoxygation of Alkenes for Preparation of Isoindolinones. <i>Organic Letters</i> , 2015, 17, 5566-5569.	2.4	59
58	Asymmetric Hydrogenation of $\beta$ -Substituted Acrylic Acids Catalyzed by a Ruthenocenyl Phosphino-oxazoline-Ruthenium Complex. <i>Organic Letters</i> , 2016, 18, 2122-2125.	2.4	59
59	Chelation-Induced Axially Chiral Palladium Complex System with Tetraoxazoline Ligands for Highly Enantioselective Wacker-Type Cyclization. <i>Journal of Organic Chemistry</i> , 2007, 72, 9208-9213.	1.7	58
60	Nickel-catalyzed Arbuzov reactions of aryl triflates with triethyl phosphite. <i>Tetrahedron Letters</i> , 2011, 52, 5032-5035.	0.7	58
61	Highly enantioselective hydrogenation of N-protected indoles using (S)-C10-BridgePHOS as the chiral ligand. <i>Tetrahedron</i> , 2013, 69, 6839-6844.	1.0	58
62	A Copper-Catalyzed Reductive Defluorination of $\beta$ -Trifluoromethylated Enones via Oxidative Homocoupling of Grignard Reagents. <i>Organic Letters</i> , 2018, 20, 1638-1642.	2.4	57
63	Allylic Alkylations with Enamine Nucleophiles. <i>Chemical Record</i> , 2016, 16, 2687-2696.	2.9	55
64	Rh-Catalyzed One-Pot Sequential Asymmetric Hydrogenation of $\beta$ -Dehydroamino Ketones for the Synthesis of Chiral Cyclic <i>trans</i> - $\beta$ -Amino Alcohols. <i>Organic Letters</i> , 2016, 18, 1290-1293.	2.4	55
65	Pd/Cu dual catalysis: highly enantioselective access to $\beta$ -substituted $\beta$ -amino acids and $\beta$ -amino amides. <i>Chemical Communications</i> , 2018, 54, 599-602.	2.2	54
66	Chemo- and Enantioselective Hydrogenation of $\beta$ -Formyl Enamides: An Efficient Access to Chiral $\beta$ -Amido Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11505-11512.	7.2	54
67	Pd( <i>scpd</i> ), Ni( <i>scpd</i> ) and Co( <i>scpd</i> )-catalyzed enantioselective additions of organoboron reagents to ketimines. <i>Chemical Communications</i> , 2018, 54, 10394-10404.	2.2	53
68	Stereodivergent Pd/Cu Catalysis for Asymmetric Desymmetric Alkylation of Allylic Geminal Dicarboxylates. <i>CCS Chemistry</i> , 2022, 4, 1720-1731.	4.6	53
69	Novel <i>C<sub>2</sub></i> -Symmetric Planar Chiral Diphosphine Ligands and Their Application in Pd-Catalyzed Asymmetric Allylic Substitutions. <i>Journal of Organic Chemistry</i> , 2007, 72, 6992-6997.	1.7	52
70	Mechanistic Study of Ni and Cu Dual Catalyst for Asymmetric C=C Bond Formation; Asymmetric Coupling of 1,3-Dienes with C-nucleophiles to Construct Vicinal Stereocenters. <i>ACS Catalysis</i> , 2021, 11, 6643-6655.	5.5	52
71	Novel <i>C<sub>2</sub></i> -symmetric chiral bisoxazoline ligands in rhodium(I)-catalyzed asymmetric hydrosilylation. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 2453-2462.	1.8	51
72	Palladium-Catalyzed Asymmetric Addition of Arylboronic Acids to Nitrostyrenes. <i>Organic Letters</i> , 2015, 17, 2250-2253.	2.4	51

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73	Direct use of allylic alcohols and allylic amines in palladium-catalyzed allylic amination. <i>Chemical Communications</i> , 2017, 53, 5151-5154.	2.2	51
74	Solvent-Controlled Pd(II)-Catalyzed Aerobic Chemoselective Intermolecular 1,2-Aminoxygenation and 1,2-Oxyamination of Conjugated Dienes for the Synthesis of Functionalized 1,4-Benzoxazines. <i>Organic Letters</i> , 2018, 20, 1608-1612.	2.4	51
75	From tropos to atropis: 5,5'-bridged 2,2'-bis(diphenylphosphino)biphenyls as chiral ligands for highly enantioselective palladium-catalyzed hydrogenation of $\beta$ -phthalimide ketones. <i>Tetrahedron Letters</i> , 2010, 51, 2044-2047.	0.7	50
76	Cobalt-Catalyzed Chemoselective and Enantioselective Hydrogenation of Conjugated Enynes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 16989-16993.	7.2	49
77	Asymmetric hydrogenation of $\beta$ -amino ketones with the bimetallic complex RuPHOX-Ru as the chiral catalyst. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3855.	1.5	48
78	Recent Advances in Metal-Catalyzed 1,2-Difunctionalization of Conjugated Dienes. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 2250.	0.6	48
79	Copper-catalyzed asymmetric alkynylation of cyclic N-sulfonyl ketimines. <i>Chemical Communications</i> , 2017, 53, 5364-5367.	2.2	46
80	The synthesis of novel C2-symmetric P,N-chelation ruthenocene ligands and their application in palladium-catalyzed asymmetric allylic substitution. <i>Tetrahedron Letters</i> , 2007, 48, 585-588.	0.7	45
81	Atropisomeric bisoxazoline ligands with a bridge across the 5,5'-position of biphenyl for asymmetric catalysis. <i>Tetrahedron Letters</i> , 2007, 48, 4083-4086.	0.7	45
82	Asymmetric Hydrogenation of $\beta$ -Secondary Amino Ketones Catalyzed by a Ruthenocenyl Phosphino-oxazoline-ruthenium Complex (RuPHOX-Ru): the Synthesis of $\beta$ -Secondary Amino Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3262-3272.	2.1	45
83	Pd(II)-Catalyzed Aerobic Intermolecular 1,2-Diamination of Conjugated Dienes: A Regio- and Chemoselective [4 + 2] Annulation for the Synthesis of Tetrahydroquinoxalines. <i>Organic Letters</i> , 2017, 19, 2813-2816.	2.4	45
84	Iridium-Catalyzed Asymmetric Hydrogenation of $\beta,\beta'$ -Unsaturated $\beta$ -Lactams: Scope and Mechanistic Studies. <i>Organic Letters</i> , 2017, 19, 1144-1147.	2.4	44
85	Palladium-Catalyzed Allylic C-H Functionalization: The Development of New Catalytic Systems. <i>Acta Chimica Sinica</i> , 2016, 74, 219.	0.5	44
86	Iridium-Catalyzed Asymmetric Hydrogenation of 2-H-Chromenes: A Highly Enantioselective Approach to Isoflavan Derivatives. <i>Organic Letters</i> , 2017, 19, 4884-4887.	2.4	43
87	Phosphine-oxazoline ligands with an axial-unfixed biphenyl backbone: the effects of the substituent at oxazoline ring and P phenyl ring on Pd-catalyzed asymmetric allylic alkylation. <i>Tetrahedron</i> , 2009, 65, 9609-9615.	1.0	42
88	The Construction of 3-Methyl-4-aryl piperidines via a trans-Perhydroindolic Acid-Catalyzed Asymmetric Aza-Diels-Alder Reaction. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3627-3638.	2.1	42
89	Cobalt-Catalyzed Asymmetric Allylation of Cyclic Ketimines. <i>Chemistry - A European Journal</i> , 2018, 24, 1241-1245.	1.7	42
90	A Ferrocene-Based NH-Free Phosphine-Oxazoline Ligand for Iridium-Catalyzed Asymmetric Hydrogenation of Ketones. <i>Organic Letters</i> , 2018, 20, 6135-6139.	2.4	41

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91	Enantioselective and Diastereodivergent Access to $\alpha$ -Substituted $\alpha$ -Amino Acids via Dual Iridium and Copper Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1130-1139.	2.1	41
92	Novel hydrolyzable and biodegradable cationic gemini surfactants: 1,3-bis[(acyloxyalkyl)-dimethylammonio]-2-hydroxypropane dichloride. <i>Journal of Surfactants and Detergents</i> , 2000, 3, 167-172.	1.0	40
93	Enantioselective transfer hydrogenation of ketones with planar chiral $\text{Ru}$ -ruthenocene-based phosphinoxazoline ligands. <i>Tetrahedron</i> , 2008, 64, 3561-3566.	1.0	40
94	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
95	Stereoselective Allylic Alkylation of 1-Pyrroline-5-carboxylic Esters via a Pd/Cu Dual Catalysis. <i>Organic Letters</i> , 2018, 20, 6564-6568.	2.4	40
96	Palladium-Catalyzed Chemo- and Enantioselective C=O Bond Cleavage of $\alpha$ -Acyloxy Ketones by Hydrogenolysis. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8444-8447.	7.2	39
97	One-pot efficient synthesis of aryl $\alpha$ -keto esters from aryl-ketones. <i>Tetrahedron</i> , 2009, 65, 9797-9800.	1.0	38
98	Pd(II)-catalyzed asymmetric Wacker-type cyclization for the preparation of 2-vinylchroman derivatives with biphenyl tetraoxazoline ligands. <i>Tetrahedron</i> , 2012, 68, 5209-5215.	1.0	38
99	Efficient Ru(II)-catalyzed asymmetric hydrogenation of simple ketones with C2-symmetric planar chiral metallocenyl phosphinoxazoline ligands. <i>Tetrahedron</i> , 2012, 68, 3295-3299.	1.0	38
100	A Soluble Bis-Chelated Gold(I) Diphosphine Compound with Strong Anticancer Activity and Low Toxicity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1455-1466.	2.9	38
101	$\text{Ir}$ -Catalyzed Asymmetric Hydrogenation of $\alpha$ -Alkylidene $\beta$ -Lactams and Cyclobutanones. <i>Chinese Journal of Chemistry</i> , 2018, 36, 612-618.	2.6	38
102	Rhodium-catalyzed asymmetric hydrogenation of $\beta$ -branched enamides for the synthesis of $\beta$ -stereogenic amines. <i>Chemical Communications</i> , 2018, 54, 6024-6027.	2.2	38
103	Enantioselective Black rearrangement catalyzed by chiral bicyclic imidazole. <i>Chemical Communications</i> , 2014, 50, 1227-1230.	2.2	37
104	Rh-Catalyzed Asymmetric Hydrogenation of Cyclic $\alpha$ -Dehydroamino Ketones. <i>Organic Letters</i> , 2015, 17, 5380-5383.	2.4	36
105	The synthesis of chiral $\beta$ -aryl- $\beta$ -unsaturated amino alcohols via a Pd-catalyzed asymmetric allylic amination. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7412.	1.5	35
106	Reversal in enantioselectivity for the palladium-catalyzed asymmetric allylic substitution with novel metallocene-based planar chiral diphosphine ligands. <i>Tetrahedron Letters</i> , 2008, 49, 1012-1015.	0.7	34
107	Iridium-catalyzed asymmetric hydrogenation of 3-substituted unsaturated oxindoles to prepare C3-mono substituted oxindoles. <i>Tetrahedron</i> , 2011, 67, 8445-8450.	1.0	34
108	The effects of solvent on switchable stereoselectivity: copper-catalyzed asymmetric conjugate additions using D2-symmetric biphenyl phosphoramidite ligands. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5137.	1.5	34

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109	Asymmetric Domino Reaction of Cyclic N-Sulfonylimines and Simple Aldehydes with trans-Perhydroindolic Acid as an Organocatalyst. <i>Organic Letters</i> , 2014, 16, 4496-4499.	2.4	34
110	The Construction of Chiral Fused Azabicycles Using a Pd-Catalyzed Allylic Substitution Cascade and Asymmetric Desymmetrization Strategy. <i>Organic Letters</i> , 2017, 19, 238-241.	2.4	34
111	Rh-Catalyzed Asymmetric Hydrogenation of $\hat{1}^2$ -Branched Enol Esters for the Synthesis of $\hat{1}^2$ -Chiral Primary Alcohols. <i>Organic Letters</i> , 2018, 20, 108-111.	2.4	34
112	Asymmetric hydrogenation of simple ketones with planar chiral ruthenocenyl phosphinooxazoline ligands. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2510-2512.	1.8	33
113	Asymmetric tandem reactions of N-sulfonylimines and $\hat{1}^2$ , $\hat{1}^2$ -unsaturated aldehydes: an alternative reaction pathway to that of using saturated aldehydes. <i>Chemical Communications</i> , 2015, 51, 885-888.	2.2	33
114	Synthesis of Chiral $\hat{1}^2$ , $\hat{1}^2$ -Unsaturated $\hat{1}^3$ -Amino Esters via Pd-Catalyzed Asymmetric Allylic Amination. <i>Organic Letters</i> , 2017, 19, 4251-4254.	2.4	33
115	Nickel-Catalyzed Asymmetric Hydrogenation of N-Sulfonyl Imines. <i>Angewandte Chemie</i> , 2019, 131, 7407-7412.	1.6	33
116	Asymmetric Hydrogenation of Cyclic Dehydroamino Acids and Their Derivatives. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 528.	0.6	33
117	Preparation, surface-active properties, and antimicrobial activities of bis(alkylammonium) dichlorides having a butenylene or a butynylene spacer. <i>Journal of Surfactants and Detergents</i> , 2001, 4, 271-277.	1.0	32
118	Pd-catalyzed asymmetric Wacker-type cyclization of o-trisubstituted allylphenols by use of tetraoxazoline ligands. <i>Tetrahedron</i> , 2008, 64, 9413-9416.	1.0	32
119	Asymmetric Allylic Alkylation of $\hat{1}^2$ -Ketoesters via C-N Bond Cleavage of $\hat{1}^2$ -Allyl-N-methylaniline Derivatives Catalyzed by a Nickel-Diphosphine System. <i>ACS Catalysis</i> , 2020, 10, 5828-5839.	5.5	32
120	Nickel/Copper-Cocatalyzed Asymmetric Benzoylation of Aldimine Esters for the Enantioselective Synthesis of $\hat{1}^2$ -Quaternary Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	32
121	Iridium-Catalyzed Asymmetric Hydrogenation of Unfunctionalized Exocyclic C=C Bonds. <i>Chemistry - A European Journal</i> , 2016, 22, 18354-18357.	1.7	31
122	Rh-Catalyzed Chemo- and Enantioselective Hydrogenation of Allylic Hydrazones. <i>Chemistry - A European Journal</i> , 2017, 23, 1040-1043.	1.7	31
123	Applications of Phosphoramidite Ligands in Ir-Catalyzed Asymmetric Hydrogenation Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 274.	0.6	31
124	Bisoxazoline ligands with an axial-unfixed biaryl backbone: the effects of the biaryl backbone and the substituent at oxazoline ring on Cu-catalyzed asymmetric cyclopropanation. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 767-777.	1.8	30
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