Qi-Lin Zhou

List of Publications by Year
in descending order

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194 papers	13,760 citations	13865 67 h-index	27406 106 g-index
226 all docs	226 docs citations	226 times ranked	6718 citing authors

#	Article	IF	Citations
1	Transition-Metal-Catalyzed Enantioselective Heteroatomâ€“Hydrogen Bond Insertion Reactions. Accounts of Chemical Research, 2012, 45, 1365-1377.	15.6	647
2	Chiral Diphosphine and Monodentate Phosphorus Ligands on a Spiro Scaffold for Transition-Metal-Catalyzed Asymmetric Reactions. Accounts of Chemical Research, 2008, 41, 581-593.	15.6	618
3	Asymmetric Nï£¿H Insertion Reaction Cooperatively Catalyzed by Rhodium and Chiral Spiro Phosphoric Acids. Angewandte Chemie - International Edition, 2011, 50, 11483-11486.	13.8	283
4	Synthesis of Spiro Diphosphines and Their Application in Asymmetric Hydrogenation of Ketones. Journal of the American Chemical Society, 2003, 125, 4404-4405.	13.7	275
5	Highly Enantioselective Insertion of Carbenoids into Nâ^'H Bonds Catalyzed by Copper Complexes of Chiral Spiro Bisoxazolines. Journal of the American Chemical Society, 2007, 129, 5834-5835.	13.7	246
6	Enantioselective iron-catalysed Oâ€“H bond insertions. Nature Chemistry, 2010, 2, 546-551.	13.6	225
7	Monodentate Chiral Spiro Phosphoramidites: Efficient Ligands for Rhodium-Catalyzed Enantioselective Hydrogenation of Enamides. Angewandte Chemie - International Edition, 2002, 41, 2348-2350.	13.8	222
8	Well-Defined Chiral Spiro Iridium/Phosphineâ^'Oxazoline Cationic Complexes for Highly Enantioselective Hydrogenation of Imines at Ambient Pressure. Journal of the American Chemical Society, 2006, 128, 12886-12891.	13.7	216
9	Highly Enantioselective Insertion of Carbenoids into Oâ^'H Bonds of Phenols:â€‰ An Efficient Approach to Chiral Î±-Aryloxycarboxylic Esters. Journal of the American Chemical Society, 2007, 129, 12616-12617.	13.7	203
10	An Additional Coordination Group Leads to Extremely Efficient Chiral Iridium Catalysts for Asymmetric Hydrogenation of Ketones. Angewandte Chemie - International Edition, 2011, 50, 7329-7332.	13.8	199
11	Highly enantioselective carbene insertion into Nâ€“H bonds of aliphatic amines. Science, 2019, 366, 990-994.	12.6	176
12	Iridium-Catalyzed Asymmetric Hydrogenation of Unsaturated Carboxylic Acids. Accounts of Chemical Research, 2017, 50, 988-1001.	15.6	174
13	Highly efficient hydrogenation of biomass-derived levulinic acid to Î³-valerolactone catalyzed by iridium pincer complexes. Green Chemistry, 2012, 14, 2388.	9.0	161
14	Chiral proton-transfer shuttle catalysts for carbene insertion reactions. Organic and Biomolecular Chemistry, 2018, 16, 3087-3094.	2.8	160
15	Catalytic Asymmetric Arylation of Î±-Aryl-Î±-diazoacetates with Aniline Derivatives. Journal of the American Chemical Society, 2015, 137, 8700-8703.	13.7	158
16	Iridium-Catalyzed Enantioselective Hydrogenation of Î±,Î²-Unsaturated Carboxylic Acids. Journal of the American Chemical Society, 2008, 130, 8584-8585.	13.7	156
17	Nickel(0)â€Catalyzed Hydroarylation of Styrenes and 1,3â€Dienes with Organoboron Compounds. Angewandte Chemie - International Edition, 2018, 57, 461-464.	13.8	153
18	Catalytic Asymmetric Reaction with Water: Enantioselective Synthesis of Î±â€Hydroxyesters by a Copperâ€“Carbenoid Oï£¿H Insertion Reaction. Angewandte Chemie - International Edition, 2008, 47, 932-934.	13.8	146

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19	Iron-catalyzed transformations of diazo compounds. National Science Review, 2014, 1, 580-603.	9.5	146
20	Ironâ€Catalyzed Cï£¿H Fuctionalization of Indoles. Advanced Synthesis and Catalysis, 2011, 353, 2939-2944.	4.3	142
21	Highly enantioselective Sâ€“H bond insertion cooperatively catalyzed by dirhodium complexes and chiral spiro phosphoric acids. Chemical Science, 2014, 5, 1442.	7.4	140
22	Copper-Catalyzed Bâ€“H Bond Insertion Reaction: A Highly Efficient and Enantioselective Câ€“B Bond-Forming Reaction with Amineâ€“Borane and Phosphineâ€“Borane Adducts. Journal of the American Chemical Society, 2013, 135, 14094-14097.	13.7	137
23	Asymmetric Reductive Coupling of Dienes and Aldehydes Catalyzed by Nickel Complexes of Spiro Phosphoramidites:Â Highly Enantioselective Synthesis of Chiral Bishomoallylic Alcohols. Journal of the American Chemical Society, 2007, 129, 2248-2249.	13.7	136
24	Synthesis and Application of Chiral Spiro Phospholane Ligand in Pd-Catalyzed Asymmetric Allylation of Aldehydes with Allylic Alcohols. Organic Letters, 2005, 7, 2333-2335.	4.6	135
25	Nickel-Catalyzed Hydroacylation of Styrenes with Simple Aldehydes: Reaction Development and Mechanistic Insights. Journal of the American Chemical Society, 2016, 138, 2957-2960.	13.7	133
26	Copperâ€Catalyzed Highly Enantioselective Carbenoid Insertion into Siï£¿H Bonds. Angewandte Chemie - International Edition, 2008, 47, 8496-8498.	13.8	128
27	Catalytic Bâ€“H Bond Insertion Reactions Using Alkynes as Carbene Precursors. Journal of the American Chemical Society, 2017, 139, 3784-3789.	13.7	128
28	Nickel(0)-Catalyzed Hydroalkylation of 1,3-Dienes with Simple Ketones. Journal of the American Chemical Society, 2018, 140, 11627-11630.	13.7	123
29	Novel monodentate spiro phosphorus ligands for rhodium-catalyzed hydrogenation reactions. Chemical Communications, 2002, , 480-481.	4.1	121
30	Chiral Iridium Catalysts Bearing Spiro Pyridineâ€Aminophosphine Ligands Enable Highly Efficient Asymmetric Hydrogenation of Î²â€Aryl Î²â€Ketoesters. Angewandte Chemie - International Edition, 2012, 51, 201-203.	13.8	121
31	Highly Enantioselective Hydrovinylation of Î±-Alkyl Vinylarenes. An Approach to the Construction of All-Carbon Quaternary Stereocenters. Journal of the American Chemical Society, 2006, 128, 2780-2781.	13.7	120
32	Nickel-Catalyzed Enantioselective Alkylative Coupling of Alkynes and Aldehydes: Synthesis of Chiral Allylic Alcohols with Tetrasubstituted Olefins. Journal of the American Chemical Society, 2008, 130, 14052-14053.	13.7	119
33	Well-Defined Binuclear Chiral Spiro Copper Catalysts for Enantioselective Nâ€“H Insertion. Journal of the American Chemical Society, 2012, 134, 436-442.	13.7	116
34	Enantioselective Palladiumâ€Catalyzed Insertion of Î±â€Arylâ€Î±â€diazoacetates into the Oï£¿H Bonds of Phenols. Angewandte Chemie - International Edition, 2014, 53, 2978-2981.	13.8	116
35	Enantioselective Nï£¿H Insertion Reaction of Î±â€Aryl Î±â€Diazoketones: An Efficient Route to Chiral Î±â€Aminoketones. Angewandte Chemie - International Edition, 2014, 53, 3913-3916.	13.8	114
36	Highly Enantioselective Copper- and Iron-Catalyzed Intramolecular Cyclopropanation of Indoles. Journal of the American Chemical Society, 2017, 139, 7697-7700.	13.7	113

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37	Transitionâ€Metal Catalysis and Organocatalysis: Where Can Progress Be Expected?. Angewandte Chemie - International Edition, 2016, 55, 5352-5353.	13.8	108
38	Highly Enantioselective Hydrogenation of Î±-Arylmethylene Cycloalkanones Catalyzed by Iridium Complexes of Chiral Spiro Aminophosphine Ligands. Journal of the American Chemical Society, 2010, 132, 4538-4539.	13.7	105
39	Enantioselective Hydrogenation of Î±-Aryloxy and Î±-Alkoxy Î±,Î²-Unsaturated Carboxylic Acids Catalyzed by Chiral Spiro Iridium/Phosphino-Oxazoline Complexes. Journal of the American Chemical Society, 2010, 132, 1172-1179.	13.7	105
40	Total Synthesis of (â^')-Galanthamine and (â^')-Lycoramine via Catalytic Asymmetric Hydrogenation and Intramolecular Reductive Heck Cyclization. Organic Letters, 2012, 14, 2714-2717.	4.6	105
41	Stereoselective synthesis of medium lactams enabled by metal-free hydroalkoxylation/stereospecific [1,3]-rearrangement. Nature Communications, 2019, 10, 3234.	12.8	105
42	Ligand-Enabled Ni-Catalyzed Enantioselective Hydroarylation of Styrenes and 1,3-Dienes with Arylboronic Acids. CCS Chemistry, 2019, 1, 328-334.	7.8	105
43	Ru-Catalyzed Asymmetric Hydrogenation of Racemic Aldehydes via Dynamic Kinetic Resolution:Â Efficient Synthesis of Optically Active Primary Alcohols. Journal of the American Chemical Society, 2007, 129, 1868-1869.	13.7	102
44	Carboxyâ€Directed Asymmetric Hydrogenation of 1,1â€Diarylethenes and 1,1â€Dialkylethenes. Angewandte Chemie - International Edition, 2013, 52, 1556-1559.	13.8	102
45	Enantioselective Nickel-Catalyzed Reductive Coupling of Alkynes and Imines. Journal of the American Chemical Society, 2010, 132, 10955-10957.	13.7	99
46	Highly Enantioselective Copper-Catalyzed Conjugate Addition of Diethylzinc to Enones Using Chiral Spiro Phosphoramidites as Ligands. Journal of Organic Chemistry, 2003, 68, 1582-1584.	3.2	98
47	Highly Rigid Diphosphane Ligands with a Large Dihedral Angle Based on a Chiral Spirobifluorene Backbone. Angewandte Chemie - International Edition, 2005, 44, 1118-1121.	13.8	98
48	Enantioselective Copper-Catalyzed Intramolecular Oâ^'H Insertion: An Efficient Approach to Chiral 2-Carboxy Cyclic Ethers. Journal of the American Chemical Society, 2010, 132, 16374-16376.	13.7	97
49	Enantioselective Hydrogenation of Î±â€Substituted Acrylic Acids Catalyzed by Iridium Complexes with Chiral Spiro Aminophosphine Ligands. Angewandte Chemie - International Edition, 2012, 51, 8872-8875.	13.8	93
50	Highly efficient and practical resolution of 1,1â€²-spirobiindane-7,7â€²-diol by inclusion crystallization with N-benzylcinchonidinium chloride. Tetrahedron: Asymmetry, 2002, 13, 1363-1366.	1.8	91
51	Enantioselective Synthesis of Spirobarbiturate-Cyclohexenes through Phosphine-Catalyzed Asymmetric [4 + 2] Annulation of Barbiturate-Derived Alkenes with Allenoates. Organic Letters, 2016, 18, 1302-1305.	4.6	91
52	Nickel(0)-catalyzed linear-selective hydroarylation of unactivated alkenes and styrenes with aryl boronic acids. Chemical Science, 2018, 9, 6839-6843.	7.4	90
53	Catalytic Asymmetric Intramolecular Cascade Reaction for the Construction of Functionalized Benzobicyclo[4.3.0] Skeletons. Remote Control of Enantioselectivity. Advanced Synthesis and Catalysis, 2010, 352, 1914-1919.	4.3	89
54	Palladiumâ€Catalyzed Hydrocarboxylation of Alkynes with Formic Acid. Angewandte Chemie - International Edition, 2015, 54, 6302-6305.	13.8	88

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55	Rhodium-Catalyzed Asymmetric Hydrogenation of Functionalized Olefins Using Monodentate Spiro Phosphoramidite Ligands. Journal of Organic Chemistry, 2004, 69, 4648-4655.	3.2	85
56	Enantioselective hydrogenation of dialkyl ketones. Nature Catalysis, 2020, 3, 621-627.	34.4	85
57	Chiral Cyclohexyl-Fused Spirobiindanes: Practical Synthesis, Ligand Development, and Asymmetric Catalysis. Journal of the American Chemical Society, 2018, 140, 10374-10381.	13.7	84
58	Asymmetric Hydrogenation of Î±,Î±â€²â€Disubstituted Cycloketones through Dynamic Kinetic Resolution: An Efficient Construction of Chiral Diols with Three Contiguous Stereocenters. Angewandte Chemie - International Edition, 2013, 52, 593-596.	13.8	82
59	Copper-catalyzed enantioselective carbenoid insertion into Sâ€“H bonds. Chemical Communications, 2009, , 5362.	4.1	80
60	Chiral phosphine-catalyzed tunable cycloaddition reactions of allenoates with benzofuranone-derived olefins for a highly regio-, diastereo- and enantioselective synthesis of spiro-benzofuranones. Chemical Science, 2015, 6, 7319-7325.	7.4	79
61	Highly Enantioselective Oâ€“H Bond Insertion Reaction of Î±-Alkyl- and Î±-Alkenyl-Î±-diazoacetates with Water. Journal of the American Chemical Society, 2020, 142, 10557-10566.	13.7	77
62	Ruthenium complexes of tetradentate bipyridine ligands: highly efficient catalysts for the hydrogenation of carboxylic esters and lactones. Green Chemistry, 2014, 16, 4081.	9.0	76
63	Highly efficient hydrogenation of carbon dioxide to formate catalyzed by iridium(<scp>iii</scp>) complexes of imineâ€“diphosphine ligands. Chemical Science, 2015, 6, 2928-2931.	7.4	75
64	Enantioselective Copperâ€Catalyzed Intramolecular Phenolic Oï£¿H Bond Insertion: Synthesis of Chiral 2â€Carboxy Dihydrobenzofurans, Dihydrobenzopyrans, and Tetrahydrobenzooxepines. Angewandte Chemie - International Edition, 2013, 52, 2555-2558.	13.8	74
65	Recent Advances in the Development of Chiral Metal Catalysts for the Asymmetric Hydrogenation of Ketones. Synthesis, 2015, 47, 460-471.	2.3	74
66	Rhodium-Catalyzed Bâ€“H Bond Insertion Reactions of Unstabilized Diazo Compounds Generated in Situ from Tosylhydrazones. Journal of the American Chemical Society, 2018, 140, 10663-10668.	13.7	71
67	Iridiumâ€Catalyzed Enantioselective Hydrogenation of Unsaturated Heterocyclic Acids. Angewandte Chemie - International Edition, 2013, 52, 6072-6075.	13.8	69
68	Enantioselective Insertion of Alkynyl Carbenes into Siâ€“H Bonds: An Efficient Access to Chiral Propargylsilanes and Allenylsilanes. Journal of the American Chemical Society, 2021, 143, 6401-6406.	13.7	69
69	Catalytic Asymmetric Hydrogenation of Î´â€Ketoesters: Highly Efficient Approach to Chiral 1,5â€Diols. Angewandte Chemie - International Edition, 2013, 52, 7833-7836.	13.8	68
70	Palladiumâ€Catalyzed Asymmetric Hydrosulfonylation of 1,3â€Dienes with Sulfonyl Hydrazides. Angewandte Chemie - International Edition, 2021, 60, 2948-2951.	13.8	68
71	Development of Chiral Spiro Pâ€Nâ€S Ligands for Iridiumâ€Catalyzed Asymmetric Hydrogenation of Î²â€Alkylâ€Î²â€Ketoesters. Angewandte Chemie - International Edition, 2015, 54, 8791-8794.	13.8	67
72	Dynamic Kinetic Resolution Allows a Highly Enantioselective Synthesis of cisâ€Î±â€Aminocycloalkanols by Rutheniumâ€Catalyzed Asymmetric Hydrogenation. Angewandte Chemie - International Edition, 2007, 46, 7506-7508.	13.8	66

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73	Chiral Iridium Spiro Aminophosphine Complexes: Asymmetric Hydrogenation of Simple Ketones, Structure, and Plausible Mechanism. Chemistry - an Asian Journal, 2011, 6, 899-908.	3.3	66
74	Iridium-Catalyzed Asymmetric Hydrogenation of Î±-Substituted Î±,Î²-Unsaturated Acyclic Ketones: Enantioselective Total Synthesis of (â^')-Mesembrine. Organic Letters, 2012, 14, 6158-6161.	4.6	66
75	Enantioselective Ironâ€Catalyzed Intramolecular Cyclopropanation Reactions. Angewandte Chemie - International Edition, 2014, 53, 13188-13191.	13.8	65
76	Highly Efficient Suzuki Cross-Coupling Catalyzed by Palladium/Phosphine-Imidazolium Carbene System. Advanced Synthesis and Catalysis, 2004, 346, 595-598.	4.3	64
77	Deoxygenative Hydrogenation of Amides Catalyzed by a Well-Defined Iridium Pincer Complex. ACS Catalysis, 2016, 6, 3665-3669.	11.2	63
78	Mechanism Studies of Ir-Catalyzed Asymmetric Hydrogenation of Unsaturated Carboxylic Acids. Journal of the American Chemical Society, 2017, 139, 541-547.	13.7	63
79	Enantioselective Iridiumâ€Catalyzed Hydrogenation of Î²,Î³â€Unsaturated Carboxylic Acids: An Efficient Approach to Chiral 4â€Alkylâ€4â€aryl Butanoic Acids. Angewandte Chemie - International Edition, 2012, 51, 2708-2711.	13.8	62
80	Enantioselective Diarylcarbene Insertion into Siâ€“H Bonds Induced by Electronic Properties of the Carbenes. Journal of the American Chemical Society, 2020, 142, 12394-12399.	13.7	62
81	Industrial Scale-Up of Enantioselective Hydrogenation for the Asymmetric Synthesis of Rivastigmine. Organic Process Research and Development, 2013, 17, 307-312.	2.7	60
82	Efficient asymmetric transfer hydrogenation of ketones in ethanol with chiral iridium complexes of spiroPAP ligands as catalysts. Chemical Communications, 2015, 51, 6123-6125.	4.1	58
83	Chiral Spiro Phosphoric Acid-Catalyzed Friedelâ€“Crafts Conjugate Addition/Enantioselective Protonation Reactions. ACS Catalysis, 2019, 9, 6522-6529.	11.2	58
84	Highly enantioselective palladium-catalyzed umpolung allylation of aldehydes. Chemical Science, 2011, 2, 1135.	7.4	57
85	Enantioselective Total Synthesis of (â^')-Î”⁸-THC and (â^')-Î”⁹-THC via Catalytic Asymmetric Hydrogenation and S_NAr Cyclization. Organic Letters, 2013, 15, 764-767.	4.6	57
86	Enantioselective synthesis of Î±-alkenyl Î±-amino acids via Nâ€“H insertion reactions. Chemical Science, 2016, 7, 1104-1108.	7.4	56
87	Gold-Catalyzed Oxidative Coupling of Terminal Alkynes and Borane Adducts: Efficient Synthesis of Î±-Boryl Ketones. ACS Catalysis, 2018, 8, 7351-7355.	11.2	56
88	Simply Modified Chiral Diphosphine: Catalyst Recycling via Nonâ€covalent Absorption on Carbon Nanotubes. Advanced Synthesis and Catalysis, 2008, 350, 1013-1016.	4.3	55
89	RuII-SDP-Complex-Catalyzed Asymmetric Hydrogenation of Ketones. Effect of the Alkali Metal Cation in the Reaction. Journal of Organic Chemistry, 2005, 70, 2967-2973.	3.2	54
90	Rhodium-Catalyzed Asymmetric Pauson-Khand Reaction Using Monophosphoramidite Ligand SIPHOS. Advanced Synthesis and Catalysis, 2005, 347, 759-762.	4.3	53

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91	Remote Ester Group Leads to Efficient Kinetic Resolution of Racemic Aliphatic Alcohols via Asymmetric Hydrogenation. Journal of the American Chemical Society, 2014, 136, 17426-17429.	13.7	53
92	Nickel-catalyzed hydrocarboxylation of alkynes with formic acid. Green Chemistry, 2016, 18, 2981-2984.	9.0	52
93	Enantioselective Nazarov cyclization of indole enones cooperatively catalyzed by Lewis acids and chiral BrÃ¸nsted acids. Chemical Science, 2017, 8, 7197-7202.	7.4	50
94	Phosphine-Catalyzed Asymmetric (3 + 2) Annulations of Î´-Acetoxy Allenoates with Î²-Carbonyl Amides: Enantioselective Synthesis of Spirocyclic Î²-Keto Î³-Lactams. Organic Letters, 2017, 19, 3668-3671.	4.6	50
95	Palladium-catalyzed asymmetric hydrovinylation under mild conditions using monodentate chiral spiro phosphoramidite and phosphite ligands. Tetrahedron: Asymmetry, 2005, 16, 705-710.	1.8	49
96	Enantioselective Synthesis of Chiral Tetrahydroisoquinolines by Iridiumâ€Catalyzed Asymmetric Hydrogenation of Enamines. Advanced Synthesis and Catalysis, 2009, 351, 3243-3250.	4.3	49
97	Asymmetric Hydrogenation of Î±,Î²-Unsaturated Carboxylic Acids Catalyzed by Ruthenium(II) Complexes of Spirobifluorene Diphosphine (SFDP) Ligands. Advanced Synthesis and Catalysis, 2006, 348, 1271-1276.	4.3	47
98	Iridium-Catalyzed Enantioselective Hydrogenation of Î±,Î²-Unsaturated Carboxylic Acids with Tetrasubstituted Olefins. Organic Letters, 2013, 15, 3722-3725.	4.6	45
99	Asymmetric Hydrogenation of Tetrasubstituted Cyclic Enones to Chiral Cycloalkanols with Three Contiguous Stereocenters. Organic Letters, 2017, 19, 3231-3234.	4.6	45
100	Nickel(0)â€Catalyzed Hydroalkenylation of Imines with Styrene and Its Derivatives. Angewandte Chemie - International Edition, 2018, 57, 3396-3400.	13.8	44
101	Application of SDP Ligands for Pd-Catalyzed Allylic Alkylation. Advanced Synthesis and Catalysis, 2004, 346, 625-632.	4.3	43
102	Enantioselective iridium-catalyzed hydrogenation of Î±-arylcinnamic acids andÂsynthesis of (S)-equol. Tetrahedron, 2012, 68, 5172-5178.	1.9	43
103	Boron Lewis Acid Promoted Rutheniumâ€Catalyzed Hydrogenation of Amides: An Efficient Approach to Secondary Amines. ChemCatChem, 2016, 8, 3036-3040.	3.7	43
104	Alkenyl Exchange of Allylamines via Nickel(0)-Catalyzed Câ€“C Bond Cleavage. Journal of the American Chemical Society, 2019, 141, 2889-2893.	13.7	43
105	Enantioselective Approach to (â˜)-Hamigeran B and (â˜)-4-Bromohamigeran B via Catalytic Asymmetric Hydrogenation of Racemic Ketone To Assemble the Chiral Core Framework. Organic Letters, 2016, 18, 1434-1437.	4.6	42
106	Enantioselective synthesis of amino acids from ammonia. Nature Catalysis, 2022, 5, 571-577.	34.4	42
107	Enantioselective Synthesis of Chiral Î²â€Aryloxy Alcohols by Rutheniumâ€Catalyzed Ketone Hydrogenation via Dynamic Kinetic Resolution (DKR). Advanced Synthesis and Catalysis, 2010, 352, 81-84.	4.3	41
108	Bioinspired enantioselective synthesis of crinine-type alkaloids via iridium-catalyzed asymmetric hydrogenation of enones. Chemical Science, 2017, 8, 6202-6206.	7.4	41

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109	Nickel(0)â€Catalyzed Hydroarylation of Styrenes and 1,3â€Dienes with Organoboron Compounds. Angewandte Chemie, 2018, 130, 470-473.	2.0	39
110	Chiral spiro iridium catalysts with SpiroPAP ligands: highly efficient for asymmetric hydrogenation of ketones and ketoesters. Organic Chemistry Frontiers, 2014, 1, 190.	4.5	38
111	Stereo- and Enantioselective Determination of Pesticides in Soil by Using Achiral and Chiral Liquid Chromatography in Combination with Matrix Solid-Phase Dispersion. Journal of AOAC INTERNATIONAL, 2003, 86, 521-528.	1.5	37
112	Highly Enantioselective Nickel-Catalyzed Intramolecular Hydroalkenylation of N- and O-Tethered 1,6-Dienes To Form Six-Membered Heterocycles. Journal of the American Chemical Society, 2018, 140, 7458-7461.	13.7	37
113	Catalytic Asymmetric Hydrogenation of Î±â€Arylcyclohexanones and Total Synthesis of (â^')â€Î±â€Lycorane. Advanced Synthesis and Catalysis, 2013, 355, 1597-1604.	4.3	36
114	Enantioselective Copperâ€Catalyzed Intramolecular Nâ^'H Bond Insertion: Synthesis of Chiral 2â€Carboxytetrahydroquinolines. Advanced Synthesis and Catalysis, 2016, 358, 2366-2370.	4.3	35
115	Divergent Asymmetric Total Synthesis of Mulinane Diterpenoids. Angewandte Chemie - International Edition, 2017, 56, 12708-12711.	13.8	32
116	Nickel-catalyzed hydroalkylation and hydroalkenylation of 1,3-dienes with hydrazones. Chemical Science, 2019, 10, 10417-10421.	7.4	32
117	Iridium-catalyzed asymmetric hydrogenation of racemic Î±-substituted lactones to chiral diols. Chemical Science, 2017, 8, 1811-1814.	7.4	31
118	Chiral Spiro Phosphoramide-Catalyzed Sulfa-Michael Addition/Enantioselective Protonation of Exocyclic Enones. Organic Letters, 2019, 21, 9391-9395.	4.6	31
119	Neutral iridium catalysts with chiral phosphine-carboxy ligands for asymmetric hydrogenation of unsaturated carboxylic acids. Chemical Science, 2017, 8, 1977-1980.	7.4	30
120	Carboxy-directed asymmetric hydrogenation of Î±-alkyl-Î±-aryl terminal olefins: highly enantioselective and chemoselective access to a chiral benzylmethyl center. Organic and Biomolecular Chemistry, 2014, 12, 2049.	2.8	28
121	Scalable Enantioselective Total Synthesis of (â^')â€Goniomitine. Angewandte Chemie - International Edition, 2019, 58, 1174-1177.	13.8	28
122	The Synthesis of Spirobitetraline Phosphoramidite Ligands and their Application in Rhodiumâ€Catalyzed Asymmetric Hydrogenation. Advanced Synthesis and Catalysis, 2007, 349, 2477-2484.	4.3	27
123	Copper-catalyzed Mannich-type oxidative Î²-functionalization of tertiary amines. Chemical Communications, 2017, 53, 8770-8773.	4.1	27
124	Enantioselective Silicon-Directed Nazarov Cyclization. Journal of the American Chemical Society, 2021, 143, 6962-6968.	13.7	27
125	Josiphos Ligands: From Discovery to Technical Applications. , 2011, , 93-136.		26
126	A novel approach for the synthesis of Crizotinib through the key chiral alcohol intermediate by asymmetric hydrogenation using highly active Ir-Spiro-PAP catalyst. Tetrahedron Letters, 2014, 55, 1528-1531.	1.4	26

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127	Divergent enantioselective synthesis of hapalindole-type alkaloids using catalytic asymmetric hydrogenation of a ketone to construct the chiral core structure. Chemical Science, 2016, 7, 4725-4729.	7.4	26
128	Nickelâ€Catalyzed Desymmetric Reductive Cyclization/Coupling of 1,6â€Dienes: An Enantioselective Approach to Chiral Tertiary Alcohol. Angewandte Chemie - International Edition, 2022, 61, .	13.8	26
129	Asymmetric Total Synthesis of Gracilamine and Determination of Its Absolute Configuration. Organic Letters, 2017, 19, 5240-5243.	4.6	25
130	Iridium-Catalyzed Asymmetric Transfer Hydrogenation of Alkynyl Ketones Using Sodium Formate and Ethanol as Hydrogen Sources. Organic Letters, 2018, 20, 4486-4489.	4.6	25
131	Iridium-Catalyzed Asymmetric Hydrogenation of Racemic Î²-Keto Lactams via Dynamic Kinetic Resolution. Organic Letters, 2017, 19, 118-121.	4.6	24
132	Electrochemical Synthesis of Sulfonyl Fluorides with Triethylamine Hydrofluoride. Chinese Journal of Chemistry, 2022, 40, 1687-1692.	4.9	24
133	Enantioselective Synthesis of Chiral Î²â€Aryloxy Alcohols by Asymmetric Hydrogenation of Î±â€Aryloxy Aldehydes via Dynamic Kinetic Resolution. Advanced Synthesis and Catalysis, 2009, 351, 363-366.	4.3	23
134	BrÃ¸nsted Acid Enabled Nickelâ€Catalyzed Hydroalkenylation of Aldehydes with Styrene and its Derivatives. Angewandte Chemie - International Edition, 2018, 57, 5068-5071.	13.8	23
135	Carboxyl Group-Directed Iridium-Catalyzed Enantioselective Hydrogenation of Aliphatic Î³-Ketoacids. ACS Catalysis, 2020, 10, 10032-10039.	11.2	22
136	Nickelâ€Catalyzed Highly Selective Hydrovinylation of Î±â€Ketals of Vinylarenes. Advanced Synthesis and Catalysis, 2008, 350, 1507-1510.	4.3	21
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