Xiaohua Liu

List of Publications by Year
in descending order

363	20,204	9756	24179
papers	citations	73 h-index	110 g-index

414	414	414	7995
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chiral N,Nâ€²-Dioxides: New Ligands and Organocatalysts for Catalytic Asymmetric Reactions. Accounts of Chemical Research, 2011, 44, 574-587.	7.6	587
2	Asymmetric Strecker Reactions. Chemical Reviews, 2011, 111, 6947-6983.	23.0	447
3	Recent progress in enantioselective synthesis of C3-functionalized oxindoles: rare earth metals take action. Chemical Science, 2012, 3, 327-334.	3.7	401
4	Chiral N,Nâ€²-dioxide ligands: synthesis, coordination chemistry and asymmetric catalysis. Organic Chemistry Frontiers, 2014, 1, 298.	2.3	370
5	Asymmetric Cycloaddition and Cyclization Reactions Catalyzed by Chiral N,Nâ€²-Dioxideâ€“Metal Complexes. Accounts of Chemical Research, 2017, 50, 2621-2631.	7.6	344
6	Recent Advances in Metal-Catalyzed Asymmetric 1,4-Conjugate Addition (ACA) of Nonorganometallic Nucleophiles. Chemical Reviews, 2018, 118, 7586-7656.	23.0	223
7	Chiral Amino Acidsâ€Derived Catalysts and Ligands. Chinese Journal of Chemistry, 2018, 36, 791-797.	2.6	197
8	Asymmetric Threeâ€Component Inverse Electronâ€Demand Azaâ€Dielsâ€“Alder Reaction: Efficient Synthesis of Ringâ€Fused Tetrahydroquinolines. Angewandte Chemie - International Edition, 2010, 49, 3799-3802.	7.2	194
9	Amide-based bifunctional organocatalysts in asymmetric reactions. Chemical Communications, 2009, , 6145.	2.2	193
10	Catalytic Asymmetric Bromoamination of Chalcones: Highly Efficient Synthesis of Chiral Î±â€Bromoâ€Î²â€Amino Ketone Derivatives. Angewandte Chemie - International Edition, 2010, 49, 6160-6164.	7.2	180
11	Chiral Bisguanidine-Catalyzed Inverse-Electron-Demand Hetero-Dielsâ^'Alder Reaction of Chalcones with Azlactones. Journal of the American Chemical Society, 2010, 132, 10650-10651.	6.6	177
12	Bifunctional Guanidine via an Amino Amide Skeleton for Asymmetric Michael Reactions of Î²â€Ketoesters with Nitroolefins: A Concise Synthesis of Bicyclic Î²â€Amino Acids. Angewandte Chemie - International Edition, 2009, 48, 5195-5198.	7.2	169
13	Asymmetric Dearomatization of Indoles through a Michael/Friedelâ€“Craftsâ€Type Cascade To Construct Polycyclic Spiroindolines. Angewandte Chemie - International Edition, 2015, 54, 4032-4035.	7.2	169
14	Catalytic Asymmetric Roskamp Reaction of Î±-Alkyl-Î±-diazoesters with Aromatic Aldehydes: Highly Enantioselective Synthesis of Î±-Alkyl-Î²-keto Esters. Journal of the American Chemical Society, 2010, 132, 8532-8533.	6.6	166
15	Catalytic Asymmetric Cyanosilylation of Ketones by a Chiral Amino Acid Salt. Journal of the American Chemical Society, 2005, 127, 12224-12225.	6.6	165
16	Catalytic Asymmetric Chloroamination Reaction of Î±,Î²-Unsaturated Î³-Keto Esters and Chalcones. Journal of the American Chemical Society, 2011, 133, 5636-5639.	6.6	152
17	Enantioselective Baeyerâ€“Villiger Oxidation: Desymmetrization of Meso Cyclic Ketones and Kinetic Resolution of Racemic 2-Arylcyclohexanones. Journal of the American Chemical Society, 2012, 134, 17023-17026.	6.6	150
18	Facile and Efficient Enantioselective Hydroxyamination Reaction: Synthesis of 3â€Hydroxyaminoâ€2â€Oxindoles Using Nitrosoarenes. Angewandte Chemie - International Edition, 2011, 50, 4684-4688.	7.2	147

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19	Highly Enantioselective Synthesis of Tetrahydroquinolines via Cobalt(II)-Catalyzed Tandem 1,5-Hydride Transfer/Cyclization. Organic Letters, 2011, 13, 600-603.	2.4	143
20	Highly Enantioselective Michael Addition of Pyrazolinâ€5â€ones Catalyzed by Chiral Metal/N,Nâ€²â€Dioxide Complexes: Metalâ€Directed Switch in Enantioselectivity. Angewandte Chemie - International Edition, 2011, 50, 4928-4932.	7.2	139
21	An N,Nâ€²â€Dioxide/In(OTf)₃ Catalyst for the Asymmetric Heteroâ€Dielsâ€“Alder Reaction Between Danishefsky's Dienes and Aldehydes: Application in the Total Synthesis of Triketide. Angewandte Chemie - International Edition, 2008, 47, 1308-1311.	7.2	136
22	Asymmetric Synthesis of 2,3â€Dihydropyrroles by Ringâ€Opening/Cyclization of Cyclopropyl Ketones Using Primary Amines. Angewandte Chemie - International Edition, 2015, 54, 227-230.	7.2	131
23	Catalytic Asymmetric Addition of Alkyl Enol Ethers to 1,2â€Dicarbonyl Compounds: Highly Enantioselective Synthesis of Substituted 3â€Alkylâ€3â€Hydroxyoxindoles. Angewandte Chemie - International Edition, 2011, 50, 2573-2577.	7.2	122
24	Enantioselective Construction of Vicinal Tetrasubstituted Stereocenters by the Mannich Reaction of Silyl Ketene Imines with Isatinâ€Derived Ketimines. Angewandte Chemie - International Edition, 2015, 54, 241-244.	7.2	122
25	Enantioselective Friedelâ€“Crafts Alkylation of Indoles with Alkylidene Malonates Catalyzed by N,Nâ€²â€Dioxideâ€“Scandium(III) Complexes: Asymmetric Synthesis of Î²â€Carbolines. Chemistry - A European Journal, 2009, 15, 2055-2058.	4.7	121
26	Organocatalytic Oxyamination of Azlactones: Kinetic Resolution of Oxaziridines and Asymmetric Synthesis of Oxazolin-4-ones. Journal of the American Chemical Society, 2013, 135, 10026-10029.	6.6	121
27	A Catalytic Asymmetric Ringâ€Expansion Reaction of Isatins and Î±â€Alkylâ€Î±â€Diazoesters: Highly Efficient Synthesis of Functionalized 2â€Quinolone Derivatives. Angewandte Chemie - International Edition, 2012, 51, 8644-8647.	7.2	120
28	Asymmetric Intramolecular Oxaâ€Michael Addition of Activated Î±,Î²â€Unsaturated Ketones Catalyzed by a Chiral N,Nâ€²â€Dioxide Nickel(II) Complex: Highly Enantioselective Synthesis of Flavanones. Angewandte Chemie - International Edition, 2008, 47, 8670-8673.	7.2	119
29	Asymmetric Carbonyl-Ene Reaction Catalyzed by Chiral N,Nâ€²-Dioxide-Nickel(II) Complex: Remarkably Broad Substrate Scope. Journal of the American Chemical Society, 2008, 130, 15770-15771.	6.6	117
30	Asymmetric Î±-Amination of 4-Substituted Pyrazolones Catalyzed by a Chiral Gd(OTf)₃/N,Nâ€²-Dioxide Complex: Highly Enantioselective Synthesis of 4-Amino-5-pyrazolone Derivatives. Organic Letters, 2011, 13, 596-599.	2.4	116
31	New Electrophilic Addition of Î±-Diazoesters with Ketones for Enantioselective Câ€“N Bond Formation. Journal of the American Chemical Society, 2011, 133, 15268-15271.	6.6	116
32	Regioâ€and Enantioselective Azaâ€Dielsâ€“Alder Reactions of 3â€Vinylindoles: A Concise Synthesis of the Antimalarial Spiroindolone NITD609. Angewandte Chemie - International Edition, 2015, 54, 10958-10962.	7.2	116
33	Chiral guanidines and their derivatives in asymmetric synthesis. Chemical Society Reviews, 2018, 47, 8525-8540.	18.7	116
34	Asymmetric Catalytic Rearrangements with Î±-Diazocarbonyl Compounds. Accounts of Chemical Research, 2022, 55, 415-428.	7.6	116
35	Bimetallic Gold(I)/Chiral N,Nâ€²â€Dioxide Nickel(II) Asymmetric Relay Catalysis: Chemoâ€and Enantioselective Synthesis of Spiroketals and Spiroaminals. Angewandte Chemie - International Edition, 2016, 55, 6075-6078.	7.2	115
36	Catalytic Asymmetric Vinylogous Mannich-type (AVM) Reaction of Nonactivated Î±-Angelica Lactone. Organic Letters, 2011, 13, 3056-3059.	2.4	113

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37	Chiral Nickel(II) Complex Catalyzed Enantioselective Doyleâ€“Kirmse Reaction of Î±-Diazo Pyrazoleamides. Journal of the American Chemical Society, 2018, 140, 3299-3305.	6.6	113
38	Asymmetric Catalytic Reactions of Donorâ€“Acceptor Cyclopropanes. Angewandte Chemie - International Edition, 2021, 60, 9192-9204.	7.2	113
39	Asymmetric Ringâ€Opening of Cyclopropyl Ketones with Thiol, Alcohol, and Carboxylic Acid Nucleophiles Catalyzed by a Chiral N,Nâ€²â€Dioxideâ€“Scandium(III) Complex. Angewandte Chemie - International Edition, 2015, 54, 13748-13752.	7.2	112
40	Direct Synthesis of Chiral Allenoates from the Asymmetric Cï£¿H Insertion of Î±â€Diazoesters into Terminal Alkynes. Angewandte Chemie - International Edition, 2015, 54, 9512-9516.	7.2	112
41	Enantioselective synthesis of dihydrocoumarin derivatives by chiral scandium(<scp>iii</scp>)-complex catalyzed inverse-electron-demand hetero-Dielsâ€“Alder reaction. Chemical Communications, 2015, 51, 3835-3837.	2.2	111
42	Highly Enantioselective Insertion of Carbenoids into Nï£¿H Bonds Catalyzed by Copper(I) Complexes of Binol Derivatives. Angewandte Chemie - International Edition, 2010, 49, 4763-4766.	7.2	110
43	Asymmetric Nï£¿H Insertion of Secondary and Primary Anilines under the Catalysis of Palladium and Chiral Guanidine Derivatives. Angewandte Chemie - International Edition, 2014, 53, 1636-1640.	7.2	107
44	Recent Progress in the Chemically Catalyzed Enantioselective Synthesis of Cyanohydrins. European Journal of Organic Chemistry, 2010, 2010, 4751-4769.	1.2	105
45	Highly Zâ€Selective Asymmetric Conjugate Addition of Alkynones with Pyrazolâ€5â€ones Promoted by N,Nâ€²â€Dioxideâ€“Metal Complexes. Angewandte Chemie - International Edition, 2012, 51, 2776-2779.	7.2	105
46	Asymmetric Catalytic 1,3-Dipolar Cycloaddition Reaction of Nitrile Imines for the Synthesis of Chiral Spiro-Pyrazoline-Oxindoles. Organic Letters, 2013, 15, 76-79.	2.4	104
47	Efficient Synthesis of Chiral Trisubstituted 1,2â€Allenyl Ketones by Catalytic Asymmetric Conjugate Addition of Malonic Esters to Enynes. Angewandte Chemie - International Edition, 2016, 55, 1859-1863.	7.2	104
48	Highly Enantioselective Synthesis of 3â€Aminoâ€2â€oxindole Derivatives: Catalytic Asymmetric Î±â€Amination of 3â€Substituted 2â€Oxindoles with a Chiral Scandium Complex. Chemistry - A European Journal, 2010, 16, 6632-6637.	1.7	102
49	Diastereoselective and Enantioselective Alleno-aldol Reaction of Allenoates with Isatins to Synthesis of Carbinol Allenoates Catalyzed by Gold. ACS Catalysis, 2016, 6, 2482-2486.	5.5	99
50	Asymmetric Synthesis of 3,4-Diaminochroman-2-ones Promoted by Guanidine and Bisguanidium Salt. Organic Letters, 2011, 13, 5060-5063.	2.4	98
51	Enantioselective One-Pot Synthesis of 2-Amino-4-(indol-3-yl)-4H-Chromenes. Organic Letters, 2011, 13, 4910-4913.	2.4	97
52	Gold(I)/Chiral N,Nâ€²â€Dioxideâ€“Nickel(II) Relay Catalysis for Asymmetric Tandem Intermolecular Hydroalkoxylation/Claisen Rearrangement. Angewandte Chemie - International Edition, 2017, 56, 885-888.	7.2	97
53	AgAsF₆/Sm(OTf)₃ Promoted Reversal of Enantioselectivity for the Asymmetric Friedelâ€“Crafts Alkylations of Indoles with Î²,Î³-Unsaturated Î±-Ketoesters. Organic Letters, 2010, 12, 180-183.	2.4	94
54	Highly Enantioselective Conjugate Addition of Thioglycolate to Chalcones Catalyzed by Lanthanum: Low Catalyst Loading and Remarkable Chiral Amplification. Angewandte Chemie - International Edition, 2010, 49, 4290-4293.	7.2	93

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55	Copper/Guanidineâ€Catalyzed Asymmetric Alkynylation of Isatins. Angewandte Chemie - International Edition, 2016, 55, 5286-5289.	7.2	91
56	Asymmetric Hydrophosphonylation of Î±â€Ketoesters Catalyzed by Cinchonaâ€Derived Thiourea Organocatalysts. Chemistry - A European Journal, 2009, 15, 589-592.	1.7	90
57	Asymmetric Ring Opening/Cyclization/Retroâ€Mannich Reaction of Cyclopropyl Ketones with Aryl 1,2â€Diamines for the Synthesis of Benzimidazole Derivatives. Angewandte Chemie - International Edition, 2016, 55, 12228-12232.	7.2	90
58	Catalytic Asymmetric [8+2] Cycloaddition: Synthesis of Cycloheptatrieneâ€Fused Pyrrole Derivatives. Angewandte Chemie - International Edition, 2013, 52, 5604-5607.	7.2	87
59	Asymmetric Synthesis of Tetrahydroindolizines by Bimetallic Relay Catalyzed Cycloaddition of Pyridinium Ylides. Angewandte Chemie - International Edition, 2018, 57, 12323-12327.	7.2	87
60	Enantioselective Cyanosilylation of Î±,Î±-Dialkoxy Ketones Catalyzed by Proline-Derived in-Situ-PreparedN-Oxide as Bifunctional Organocatalyst. Journal of Organic Chemistry, 2007, 72, 2374-2378.	1.7	86
61	Asymmetric Catalytic Insertion of Î±-Diazo Carbonyl Compounds into Oâ€“H Bonds of Carboxylic Acids. ACS Catalysis, 2016, 6, 6930-6934.	5.5	86
62	Nickel(<scp>ii</scp>)-catalyzed enantioselective cyclopropanation of 3-alkenyl-oxindoles with phenyliodonium ylide via free carbene. Chemical Science, 2016, 7, 2717-2721.	3.7	85
63	Highly Enantioselective Synthesis of Î²â€Heteroarylâ€Substituted Dihydrochalcones Through Friedelâ€“Crafts Alkylation of Indoles and Pyrrole. Chemistry - A European Journal, 2010, 16, 1664-1669.	1.7	84
64	Chiral guanidine-catalyzed asymmetric direct vinylogous Michael reaction of Î±,Î²-unsaturated Î³-butyrolactams with alkylidene malonates. Chemical Communications, 2012, 48, 5040.	2.2	83
65	Asymmetric Iodoamination of Chalcones and 4â€Arylâ€4â€oxobutenoates Catalyzed by a Complex Based on Scandium(III) and a N,Nâ€²â€Dioxide Ligand. Chemistry - A European Journal, 2011, 17, 14916-14921.	1.7	82
66	Synergistic Kinetic Resolution and Asymmetric Propargyl Claisen Rearrangement for the Synthesis of Chiral Allenes. Angewandte Chemie - International Edition, 2016, 55, 4054-4058.	7.2	80
67	Asymmetric Synthesis of Î²â€Amino Nitriles through a Sc^{III}â€Catalyzed Threeâ€Component Mannich Reaction of Silyl Ketene Imines. Angewandte Chemie - International Edition, 2013, 52, 3473-3477.	7.2	79
68	Highly Enantioselective Direct Michael Addition of Nitroalkanes to Nitroolefins Catalyzed by La(OTf)₃/N,Nâ€²â€Dioxide Complexes. Angewandte Chemie - International Edition, 2008, 47, 7079-7081.	7.2	77
69	Asymmetric Cyanation of Activated Olefins with Ethyl Cyanoformate Catalyzed by a Modular Titanium Catalyst. Organic Letters, 2010, 12, 1280-1283.	2.4	77
70	Nickel(II)â€Catalyzed Enantioselective 1,3â€Dipolar Cycloaddition of Azomethine Imines with Alkylidene Malonates. Chemistry - A European Journal, 2013, 19, 5134-5140.	1.7	77
71	Iron-Catalyzed Asymmetric Haloazidation of Î±,Î²-Unsaturated Ketones: Construction of Organic Azides with Two Vicinal Stereocenters. Journal of the American Chemical Society, 2017, 139, 13414-13419.	6.6	77
72	Efficient synthesis of carbazolespirooxindole skeletons via asymmetric Dielsâ€“Alder reaction of 3-vinylindoles and methyleneindolinones. Chemical Communications, 2014, 50, 8794.	2.2	74

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73	Asymmetric Three-Component Reaction for the Synthesis of Tetrasubstituted Allenoates via Allenoate-Copper Intermediates. CheM, 2018, 4, 1658-1672.	5.8	74
74	Enantioselective Friedelâ€“Crafts alkylation for synthesis of 2-substituted indole derivatives. Chemical Communications, 2013, 49, 11311.	2.2	73
75	N,Nâ€²â€Dioxideâ€Magnesium Ditriflate Complexâ€Catalyzed Asymmetric Îâ€Hydroxylation of Îâ€Keto Esters and Îâ€Keto Amides. Advanced Synthesis and Catalysis, 2013, 355, 1924-1930.	2.1	72
76	Asymmetric Synthesis of Spiro[isoxazolin-3,3â€²-oxindoles] via the Catalytic 1,3-Dipolar Cycloaddition Reaction of Nitrile Oxides. Journal of Organic Chemistry, 2014, 79, 7703-7710.	1.7	72
77	Asymmetric Aerobic Oxidative Cross-Coupling of Tetrahydroisoquinolines with Alkynes. ACS Catalysis, 2017, 7, 5654-5660.	5.5	72
78	A N,Nâ€²â€Dioxideâ€“Copper(II) Complex as an Efficient Catalyst for the Enantioselective and Diastereoselective Mannichâ€Type Reaction of Glycine Schiff Bases with Aldimines. Chemistry - A European Journal, 2009, 15, 3678-3681.	1.7	71
79	Catalytic Asymmetric Conjugate Allylation of Coumarins. Organic Letters, 2011, 13, 3814-3817.	2.4	71
80	Chiral N,Nâ€²â€Dioxideâ€“Scandium(III)â€Catalyzed Asymmetric Dearomatization of 2â€Naphthols through an Amination Reaction. Chemistry - A European Journal, 2015, 21, 17453-17458.	1.7	70
81	A new approach to the asymmetric Mannich reaction catalyzed by chiral N,Nâ€²-dioxideâ€“metal complexes. Chemical Science, 2017, 8, 1238-1242.	3.7	70
82	Iron-catalyzed asymmetric haloamination reactions. Chemical Communications, 2013, 49, 8054.	2.2	69
83	The asymmetric synthesis of polycyclic 3-spirooxindole alkaloids via the cascade reaction of 2-isocyanoethylindoles. Chemical Communications, 2015, 51, 16076-16079.	2.2	69
84	Bimetallic Catalytic Asymmetric Tandem Reaction of Îâ€Alkynyl Ketones to Synthesize 6,6â€Spiroketals. Angewandte Chemie - International Edition, 2019, 58, 4017-4021.	7.2	69
85	Enantioselective Three-Component Kabachnikâ^'Fields Reaction Catalyzed by Chiral Scandium(III)â^'N,Nâ€²-Dioxide Complexes. Organic Letters, 2009, 11, 1401-1404.	2.4	68
86	Nickelâ€Catalyzed Conjugate Addition of Silyl Ketene Imines to In Situ Generated Indolâ€2â€ones: Highly Enantioselective Construction of Vicinal Allâ€Carbon Quaternary Stereocenters. Angewandte Chemie - International Edition, 2017, 56, 13107-13111.	7.2	68
87	Highly enantioselective Îâ€-chlorination of cyclic Îâ€²-ketoesters catalyzed by N,Nâ€²-Dioxide using NCS as the chlorine source. Chemical Communications, 2010, 46, 1250.	2.2	67
88	Stereodivergent synthesis of vicinal quaternary-quaternary stereocenters and bioactive hyperolactones. Nature Communications, 2018, 9, 1968.	5.8	67
89	Asymmetric synthesis of tetrazole and dihydroisoquinoline derivatives by isocyanide-based multicomponent reactions. Nature Communications, 2019, 10, 2116.	5.8	67
90	A Chiral Functionalized Saltâ€Catalyzed Asymmetric Michael Addition of Ketones to Nitroolefins. Advanced Synthesis and Catalysis, 2007, 349, 2156-2166.	2.1	65

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91	Highly Efficient Synthesis of Quaternary Î±â€Hydroxy Phosphonates via Lewis Acidâ€Catalyzed Hydrophosphonylation of Ketones. Advanced Synthesis and Catalysis, 2009, 351, 2567-2572.	2.1	65
92	Organocatalytic Enantioselective Michael Addition of 4â€Hydroxycoumarin to Î±,Î²â€Unsaturated Ketones: A Simple Synthesis of Warfarin. European Journal of Organic Chemistry, 2009, 2009, 5192-5197.	1.2	65
93	Asymmetric catalytic epoxidation of Î±,Î²-unsaturated carbonyl compounds with hydrogen peroxide: Additive-free and wide substrate scope. Chemical Science, 2012, 3, 1996.	3.7	65
94	Asymmetric Direct Aldol Reaction of Î±â€Keto Esters and Acetone Catalyzed by Bifunctional Organocatalysts. Advanced Synthesis and Catalysis, 2007, 349, 2665-2668.	2.1	63
95	Catalytic Asymmetric Homologation of Î±â€Ketoesters with Î±â€Diazoesters: Synthesis of Succinate Derivatives with Chiral Quaternary Centers. Angewandte Chemie - International Edition, 2013, 52, 10883-10886.	7.2	63
96	Highly Efficient Amine Organocatalysts Based on Bispidine for the Asymmetric Michael Addition of Ketones to Nitroolefins. Advanced Synthesis and Catalysis, 2008, 350, 2001-2006.	2.1	62
97	Guanidine Organocatalyst for the Asymmetric Mannichâ€Type Reaction between Î±â€Isothiocyanato Imide and Sulfonyl Imines. Chemistry - A European Journal, 2011, 17, 2583-2586.	1.7	62
98	Nickel(II)â€Catalyzed Asymmetric Propargyl and Allyl Claisen Rearrangements to Allenylâ€and Allylâ€Substituted Î²â€Ketoesters. Angewandte Chemie - International Edition, 2014, 53, 11579-11582.	7.2	62
99	Chiral Lewis Acid Catalyzed Asymmetric Cycloadditions of Disubstituted Ketenes for the Synthesis of Î²-Lactones and Î³-Lactones. Organic Letters, 2014, 16, 134-137.	2.4	62
100	Bimetallic Rhodium(II)/Indium(III) Relay Catalysis for Tandem Insertion/Asymmetric Claisen Rearrangement. Angewandte Chemie - International Edition, 2018, 57, 16554-16558.	7.2	61
101	Asymmetric Ring Opening of mesoâ€Epoxides with Aromatic Amines Catalyzed by a New Prolineâ€Based N,Nâ€²â€Dioxideâ€Indium Tris(triflate) Complex. Advanced Synthesis and Catalysis, 2008, 350, 385-390.	2.1	59
102	Asymmetric Synthesis of P-Stereogenic Compounds via Thulium(III)-Catalyzed Desymmetrization of Dialkynylphosphine Oxides. ACS Catalysis, 2019, 9, 4834-4840.	5.5	59
103	Highly enantioselective synthesis of 1,3-bis(hydroxymethyl)-2-oxindoles from unprotected oxindoles and formalin using a chiral NdIII complex. Chemical Science, 2010, 1, 590.	3.7	58
104	Diversified Transformations of Tetrahydroindolizines to Construct Chiral 3-Arylindolizines and Dicarbofunctionalized 1,5-Diketones. Journal of the American Chemical Society, 2020, 142, 15975-15985.	6.6	58
105	Catalytic Asymmetric Synthesis of Quaternary Î±-Hydroxy Trifluoromethyl Phosphonate via Chiral Aluminum(III) Catalyzed Hydrophosphonylation of Trifluoromethyl Ketones. Organic Letters, 2010, 12, 4296-4299.	2.4	57
106	Efficient Asymmetric Synthesis of 4Hâ€Chromene Derivatives through a Tandem Michael Additionâ€“Cyclization Reaction Catalyzed by a Salenâ€“Cobalt(II) Complex. European Journal of Organic Chemistry, 2011, 2011, 137-142.	1.2	57
107	Chiral Bifunctional Guanidine-Catalyzed Enantioselective Aza-Henry Reaction of Isatin-Derived Ketimines. Journal of Organic Chemistry, 2015, 80, 3332-3338.	1.7	57
108	Catalytic Asymmetric Intramolecular Homologation of Ketones with Î±â€Diazoesters: Synthesis of Cyclic Î±â€Aryl/Alkyl Î²â€Ketoesters. Angewandte Chemie - International Edition, 2015, 54, 1608-1611.	7.2	57

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109	A Chiral N,Nâ€²â€Dioxideâ€“Zn^{II} Complex Catalyzes the Enantioselective [2+2] Cycloaddition of Alkynones with Cyclic Enol Silyl Ethers. Angewandte Chemie - International Edition, 2016, 55, 5541-5544.	7.2	57
110	A Secondary Amine Amide Organocatalyst for the Asymmetric Nitroaldol Reaction of Î±â€Ketophosphonates. Chemistry - A European Journal, 2008, 14, 10896-10899.	1.7	55
111	Asymmetric Dielsâ€“Alder and Inverseâ€Electronâ€Demand Heteroâ€Dielsâ€“Alder Reactions of Î²,Î³â€Unsaturated Î±â€Ketoesters with Cyclopentadiene Catalyzed by N,Nâ€²â€Dioxide Copper(II) Complex. Chemistry - A European Journal, 2010, 16, 11963-11968.	1.7	55
112	Chiral magnesium(ii)-catalyzed asymmetric ring-opening of meso-aziridines with primary alcohols. Chemical Communications, 2014, 50, 6672.	2.2	55
113	Asymmetric Synthesis of transâ€Î²â€Lactams by a Kinugasa Reaction on Water. Chemistry - A European Journal, 2013, 19, 7561-7567.	1.7	54
114	Reversal of enantioselective Friedelâ€“Crafts C3-alkylation of pyrrole by slightly tuning the amide units of N,Nâ€²-dioxide ligands. Chemical Communications, 2015, 51, 8432-8435.	2.2	54
115	Ligand Control of Diastereodivergency in Asymmetric Inverse Electron Demand Dielsâ€“Alder Reaction. ACS Catalysis, 2015, 5, 6052-6056.	5.5	54
116	Catalytic asymmetric hydroxylative dearomatization of 2-naphthols: synthesis of lacinilene derivatives. Chemical Science, 2017, 8, 6645-6649.	3.7	54
117	Highly Enantioselective Oneâ€Pot, Threeâ€Component Mannichâ€type Reaction Catalyzed by an N,Nâ€²â€Dioxideâ€“Scandium(III) Complex. Chemistry - A European Journal, 2009, 15, 5884-5887.	1.7	53
118	Enantioselective Synthesis of 3,4-Dihydropyran Derivatives via Organocatalytic Michael Reaction of Î±,Î²-Unsaturated Enones. Journal of Organic Chemistry, 2012, 77, 4136-4142.	1.7	53
119	Catalytic asymmetric cross-dehydrogenative coupling: activation of Câ€“H bonds by a cooperative bimetallic catalyst system. Chemical Communications, 2013, 49, 3470.	2.2	53
120	N,Nâ€²â€Dioxideâ€“Scandium(III)â€Catalyzed Asymmetric Michael Addition of Î²,Î³â€Unsaturated Butenolides to Î±,Î²â€Unsaturated Î³â€Keto Esters. Advanced Synthesis and Catalysis, 2013, 355, 2764-2768.	2.1	53
121	Asymmetric [3 + 2] Cycloaddition of Methyleneindolinones with N,Nâ€²-Cyclic Azomethine Imines Catalyzed by a N,Nâ€²-Dioxideâ€“Mg(OTf)₂ Complex. Journal of Organic Chemistry, 2015, 80, 9691-9699.	1.7	53
122	Catalytic Asymmetric Homologation of Ketones with Î±-Alkyl Î±-Diazo Esters. Journal of the American Chemical Society, 2021, 143, 2394-2402.	6.6	53
123	N,Nâ€²-Dioxideâ€“nickel(II) complex catalyzed asymmetric Michael addition of cyclic 1,3-dicarbonyl compounds to Î²,Î³-unsaturated Î±-ketoesters. Tetrahedron Letters, 2011, 52, 3433-3436.	0.7	52
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