Xiu-Qin Dong

List of Publications by Year
in descending order

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84 papers	2,640 citations	172207 29 h-index	233125 45 g-index
87 all docs	87 docs citations	87 times ranked	1879 citing authors

#	Article	IF	Citations
1	Nâ€Heterocyclic Carbene Catalyzed Î³â€Dihalomethylenation of Enals by Singleâ€Electron Transfer. Angewandte Chemie - International Edition, 2016, 55, 15783-15786.	7.2	114
2	Iridium Catalysts with f-Amphox Ligands: Asymmetric Hydrogenation of Simple Ketones. Organic Letters, 2016, 18, 2938-2941.	2.4	110
3	Iridium-Catalyzed Asymmetric Hydrogenation of Ketones with Accessible and Modular Ferrocene-Based Amino-phosphine Acid (f-Ampha) Ligands. Organic Letters, 2017, 19, 690-693.	2.4	79
4	Highly Enantioselective Direct Michael Addition of Nitroalkanes to Nitroalkenes Catalyzed by Amineâ€'Thiourea Bearing Multiple Hydrogen-Bonding Donors. Organic Letters, 2009, 11, 1265-1268.	2.4	75
5	Organocatalytic Asymmetric Sulfa-Michael Addition of Thiols to 4,4,4-Trifluorocrotonates. Organic Letters, 2011, 13, 4426-4429.	2.4	75
6	Readily Accessible and Highly Efficient Ferroceneâ€Based Aminoâ€Phosphineâ€Alcohol (fâ€Amphol) Ligands for Iridiumâ€Catalyzed Asymmetric Hydrogenation of Simple Ketones. Chemistry - A European Journal, 2017, 23, 970-975.	1.7	67
7	Organocatalytic asymmetric domino sulfa-Michaelâ€“aldol reactions of 2-mercaptobenzaldehyde with Î±,Î²-unsaturated N-acylpyrazoles for the construction of thiochromane. Chemical Communications, 2012, 48, 7238.	2.2	66
8	Rhodium/Yanphos-Catalyzed Asymmetric Interrupted Intramolecular Hydroaminomethylation of trans-1,2-Disubstituted Alkenes. Journal of the American Chemical Society, 2016, 138, 9017-9020.	6.6	66
9	Highly Enantioselective Synthesis of Chiral Succinimides via Rh/Bisphosphine-Thiourea-Catalyzed Asymmetric Hydrogenation. ACS Catalysis, 2016, 6, 6214-6218.	5.5	65
10	Recent progress in rhodium-catalyzed hydroaminomethylation. Organic Chemistry Frontiers, 2016, 3, 1359-1370.	2.3	64
11	Nâ€Heterocyclic Carbene Catalyzed Enantioselective Î±â€Fluorination of Aliphatic Aldehydes and Î±â€Chloro Aldehydes: Synthesis of Î±â€Fluoro Esters, Amides, and Thioesters. Angewandte Chemie - International Edition, 2015, 54, 660-663.	7.2	61
12	Enzymeâ€Inspired Chiral Secondaryâ€Phosphineâ€Oxide Ligand with Dual Noncovalent Interactions for Asymmetric Hydrogenation. Angewandte Chemie - International Edition, 2017, 56, 6808-6812.	7.2	60
13	Ferrocenyl chiral bisphosphorus ligands for highly enantioselective asymmetric hydrogenation via noncovalent ion pair interaction. Chemical Science, 2016, 7, 6669-6673.	3.7	60
14	Highly Efficient Catalytic Asymmetric Sulfaâ€Michael Addition of Thiols to transâ€4,4,4â€Trifluorocrotonoylpyrazole. Advanced Synthesis and Catalysis, 2012, 354, 1141-1147.	2.1	54
15	Stereodivergent Synthesis of Î±-Quaternary Serine and Cysteine Derivatives Containing Two Contiguous Stereogenic Centers via Synergistic Cu/Ir Catalysis. Organic Letters, 2020, 22, 4852-4857.	2.4	54
16	Synthesis of Chiral Î²-Amino Nitroalkanes via Rhodium-Catalyzed Asymmetric Hydrogenation. Organic Letters, 2016, 18, 40-43.	2.4	52
17	Access to Chiral Seven-Member Cyclic Amines via Rh-Catalyzed Asymmetric Hydrogenation. Organic Letters, 2017, 19, 3855-3858.	2.4	51
18	Noncovalent Interaction-Assisted Ferrocenyl Phosphine Ligands in Asymmetric Catalysis. Accounts of Chemical Research, 2020, 53, 1905-1921.	7.6	47

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19	Organocatalytic asymmetric Michael addition of Î±-aryl cyclopentanones to nitroolefins for construction of adjacent quaternary and tertiary stereocenters. Chemical Communications, 2010, 46, 6840.	2.2	46
20	Enantioselective and Diastereoselective Construction of Chiral Amino Alcohols by Iridiumâ€“f-Amphox-Catalyzed Asymmetric Hydrogenation via Dynamic Kinetic Resolution. Organic Letters, 2017, 19, 2548-2551.	2.4	41
21	Efficient Access to Chiral 2-Oxazolidinones via Ni-Catalyzed Asymmetric Hydrogenation: Scope Study, Mechanistic Explanation, and Origin of Enantioselectivity. ACS Catalysis, 2020, 10, 11153-11161.	5.5	41
22	Pd-Catalyzed Asymmetric Hydroalkylation of 1,3-Dienes: Access to Unnatural Î±-Amino Acid Derivatives Containing Vicinal Quaternary and Tertiary Stereogenic Centers. Organic Letters, 2020, 22, 569-574.	2.4	40
23	Nâ€Heterocyclic Carbene Catalyzed Î³â€Dihalomethylenation of Enals by Singleâ€Electron Transfer. Angewandte Chemie, 2016, 128, 16015-16018.	1.6	39
24	Catalytic Asymmetric Î±-Aldol Reaction of Vinylogous N-Heterocyclic Carbene Enolates: Formation of Quaternary and Labile Tertiary Stereocenters. Organic Letters, 2014, 16, 2450-2453.	2.4	38
25	N-Heterocyclic Carbene (NHC) Catalyzed Synthesis of Î±,Î±-Difluoro Esters. Synlett, 2013, 24, 1221-1224.	1.0	32
26	Metalorganocatalysis: cooperating transition-metal catalysis and organocatalysis through a covalent bond. Organic Chemistry Frontiers, 2015, 2, 1425-1431.	2.3	32
27	Efficient access to chiral 1,2-amino alcohols via Ir/f-amphox-catalyzed asymmetric hydrogenation of Î±-amino ketones. Organic Chemistry Frontiers, 2017, 4, 1499-1502.	2.3	32
28	Catalytic Asymmetric Desymmetrization of Cyclopentendiones via Dielsâ€“Alder Reaction of 3-Hydroxy-2-pyrones: Construction of Multifunctional Bridged Tricyclic Lactones. Organic Letters, 2017, 19, 4532-4535.	2.4	32
29	Metal-Free Etherification of Aryl Methyl Ether Derivatives by Câ€“OMe Bond Cleavage. Organic Letters, 2018, 20, 4267-4272.	2.4	32
30	Enantiodivergent Synthesis of Chiral Tetrahydroquinoline Derivatives via Ir-Catalyzed Asymmetric Hydrogenation: Solvent-Dependent Enantioselective Control and Mechanistic Investigations. ACS Catalysis, 2021, 11, 7281-7291.	5.5	32
31	Stereodivergent synthesis of enantioenriched azepino[3,4,5-cd]-indoles via cooperative Cu/Ir-catalyzed asymmetric allylic alkylation and intramolecular Friedelâ€“Crafts reaction. Chemical Science, 2022, 13, 4801-4812.	3.7	32
32	Selective Rhodium-Catalyzed Hydroformylation of Alkynes to Î±,Î²-Unsaturated Aldehydes with a Tetraphosphoramidite Ligand. Organic Letters, 2016, 18, 3290-3293.	2.4	31
33	Asymmetric hydrogenation of Î±-hydroxy ketones with an iridium/f-amphox catalyst: efficient access to chiral 1,2-diols. Organic Chemistry Frontiers, 2017, 4, 555-559.	2.3	31
34	Iridiumâ€Catalyzed Asymmetric Hydrogenation of Halogenated Ketones for the Efficient Construction of Chiral Halohydrins. Advanced Synthesis and Catalysis, 2018, 360, 2119-2124.	2.1	31
35	Nickel-Catalyzed Asymmetric Hydrogenation of Cyclic Sulfamidate Imines: Efficient Synthesis of Chiral Cyclic Sulfamidates. IScience, 2019, 19, 63-73.	1.9	31
36	Rhodium/bisphosphine-thiourea-catalyzed enantioselective hydrogenation of Î±,Î²-unsaturated N-acylpyrazoles. Chemical Communications, 2016, 52, 11677-11680.	2.2	27

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37	NHCâ€Catalyzed Electrophilic Trifluoromethylation: Efficient Synthesis of Î³â€Trifluoromethyl Î±,Î²â€Unsaturated Esters. Angewandte Chemie - International Edition, 2018, 57, 12097-12101.	7.2	27
38	Rational design of perfectly oriented thermally activated delayed fluorescence emitter for efficient red electroluminescence. Science China Materials, 2021, 64, 920-930.	3.5	27
39	Synthesis of Chiral Î²-Borylated Carboxylic Esters via Nickel-Catalyzed Asymmetric Hydrogenation. Organic Letters, 2019, 21, 3923-3926.	2.4	26
40	A new ferrocenyl bisphosphorus ligand for the asymmetric hydrogenation of Î±-methylene-Î³-keto-carboxylic acids. Chemical Communications, 2017, 53, 9785-9788.	2.2	25
41	Highly efficient Ir-catalyzed asymmetric hydrogenation of benzoxazinones and derivatives with a BrÃ¸nsted acid cocatalyst. Chemical Science, 2019, 10, 4328-4333.	3.7	25
42	Recent Advances of Nickel-Catalyzed Homogeneous Asymmetric Hydrogenation. Chinese Journal of Organic Chemistry, 2020, 40, 1096.	0.6	25
43	Asymmetric hydrogenation of maleic anhydrides catalyzed by Rh/bisphosphine-thiourea: efficient construction of chiral succinic anhydrides. Chemical Communications, 2017, 53, 4226-4229.	2.2	24
44	Rh/SPO-WudaPhos-Catalyzed Asymmetric Hydrogenation of Î±-Substituted Ethenylphosphonic Acids via Noncovalent Ion-Pair Interaction. Organic Letters, 2017, 19, 4375-4378.	2.4	24
45	Iridium-Catalyzed Asymmetric Hydrogenation of Tetrasubstituted Î±-Fluoro-Î²-enamino Esters: Efficient Access to Chiral Î±-Fluoro-Î²-amino Esters with Two Adjacent Tertiary Stereocenters. Organic Letters, 2018, 20, 6349-6353.	2.4	24
46	Highly stereoselective synthesis and application of P-chiral ferrocenyl bisphosphorus ligands for asymmetric hydrogenation. Organic Chemistry Frontiers, 2017, 4, 2034-2038.	2.3	23
47	Recent Advances in Dynamic Kinetic Resolution by Chiral Bifunctional (Thio)urea- and Squaramide-Based Organocatalysts. Molecules, 2016, 21, 1327.	1.7	22
48	Enzymeâ€Inspired Chiral Secondaryâ€Phosphineâ€Oxide Ligand with Dual Noncovalent Interactions for Asymmetric Hydrogenation. Angewandte Chemie, 2017, 129, 6912-6916.	1.6	22
49	Rh-Catalyzed Asymmetric Hydrogenation of Î²-Substituted-Î²-thio-Î±,Î²-unsaturated Esters: Expeditious Access to Chiral Organic Sulfides. Organic Letters, 2018, 20, 5636-5639.	2.4	22
50	Enantioselective Access to Chiral 2-Substituted 2,3-Dihydrobenzo[1,4]dioxane Derivatives through Rh-Catalyzed Asymmetric Hydrogenation. Organic Letters, 2018, 20, 4173-4177.	2.4	22
51	Iridium/fâ€Ampholâ€catalyzed Efficient Asymmetric Hydrogenation of Benzoâ€fused Cyclic Ketones. Advanced Synthesis and Catalysis, 2018, 360, 4319-4324.	2.1	22
52	Efficient synthesis of chiral Î²-hydroxy sulfones via iridium-catalyzed hydrogenation. Organic and Biomolecular Chemistry, 2019, 17, 785-788.	1.5	21
53	New synthetic strategy for chiral 2-oxazolidinones derivatives via rhodium-catalyzed asymmetric hydrogenation. Tetrahedron Letters, 2016, 57, 658-662.	0.7	20
54	Highly Enantioselective Asymmetric Hydrogenation of Carboxy-Directed Î±,Î±-Disubstituted Terminal Olefins via the Ion Pair Noncovalent Interaction. Organic Letters, 2017, 19, 6474-6477.	2.4	20

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55	Chiral Ligands for Rhodiumâ€Catalyzed Asymmetric Hydroformylation: A Personal Account. Chemical Record, 2016, 16, 2674-2686.	2.9	19
56	Synthesis of chiral Î±-substituted Î±-amino acid and amine derivatives through Ni-catalyzed asymmetric hydrogenation. Chemical Communications, 2020, 56, 4934-4937.	2.2	19
57	Synergistic Cu/Pd-catalyzed asymmetric allylation: a facile access to Î±-quaternary cysteine derivatives. Chemical Communications, 2021, 57, 6538-6541.	2.2	19
58	Organocatalytic asymmetric sulfa-Michael addition of thiols to trans-3,3,3-trifluoropropenyl phenyl sulfone. Tetrahedron Letters, 2013, 54, 4509-4511.	0.7	18
59	Nickel-Catalyzed Asymmetric Hydrogenation of Cyclic Alkenyl Sulfones, Benzo[b]thiophene 1,1-Dioxides, with Mechanistic Studies. Organic Letters, 2021, 23, 668-675.	2.4	18
60	Rh/Wudaphos-Catalyzed Asymmetric Hydrogenation of Sodium Î±-Arylethenylsulfonates: A Method To Access Chiral Î±-Arylethylsulfonic Acids. Organic Letters, 2017, 19, 2678-2681.	2.4	17
61	Efficient synthesis of chiral 2,3-dihydro-benzo[b]thiophene 1,1-dioxides via Rh-catalyzed hydrogenation. Chemical Science, 2019, 10, 2507-2512.	3.7	17
62	Rhodium-catalyzed asymmetric hydrogenation of unprotected Î²-enamine phosphonates. Organic and Biomolecular Chemistry, 2016, 14, 4582-4584.	1.5	16
63	Highly enantioselective Ir/f-amphox-catalyzed hydrogenation of ketoamides: efficient access to chiral hydroxy amides. Organic Chemistry Frontiers, 2018, 5, 2000-2003.	2.3	16
64	Highly Chemo- and Enantioselective Rh-Catalyzed Hydrogenation of Î²-Sulfonyl-Î±,Î²-unsaturated Ketones: Access to Chiral Î³-Ketosulfones. Organic Letters, 2021, 23, 19-24.	2.4	16
65	Ir-Catalyzed Asymmetric Tandem Allylation/Iso-Pictetâ€“Spengler Cyclization Reaction for the Enantioselective Construction of Tetrahydro-Î³-carbolines. Organic Letters, 2021, 23, 706-710.	2.4	16
66	Iridium catalysts with modular axial-unfixed biphenyl phosphineâ€“oxazoline ligands: asymmetric hydrogenation of Î±,Î²-unsaturated carboxylic acids. Organic Chemistry Frontiers, 2017, 4, 627-630.	2.3	14
67	Enantioselective Synthesis of Chiral 3â€Substitutedâ€3â€silylpropionic Esters via Rhodium/Bisphosphineâ€Thioureaâ€Catalyzed Asymmetric Hydrogenation. Advanced Synthesis and Catalysis, 2017, 359, 2585-2589.	2.1	14
68	Enantioselective Access to Chiral Cyclic Sulfamidates Through Iridiumâ€Catalyzed Asymmetric Hydrogenation. Advanced Synthesis and Catalysis, 2019, 361, 1582-1586.	2.1	14
69	Iridiumâ€Catalyzed Cycloisomerization of Alkynoic Acids: Synthesis of Unsaturated Lactones. Advanced Synthesis and Catalysis, 2020, 362, 782-788.	2.1	13
70	Sequential Irâ€Catalyzed Allylation/ 2â€azaâ€Cope Rearrangement Strategy for the Construction of Chiral Homoallylic Amines â€. Chinese Journal of Chemistry, 2020, 38, 807-811.	2.6	13
71	Synthesis of chiral seven-membered Î²-substituted lactams via Rh-catalyzed asymmetric hydrogenation. Organic and Biomolecular Chemistry, 2018, 16, 8819-8823.	1.5	12
72	Diastereoselective synthesis of functionalized tetrahydropyridazines containing indole scaffolds via an inverse-electron-demand aza-Dielsâ€“Alder reaction. Organic Chemistry Frontiers, 2021, 8, 4392-4398.	2.3	12

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73	Stereodivergent Synthesis of Carbocyclic Quaternary <scp>Î±â€Amino</scp> Acid Derivatives Containing Two Contiguous Stereocenters. Chinese Journal of Chemistry, 2022, 40, 1059-1065.	2.6	12
74	NHCâ€Catalyzed Electrophilic Trifluoromethylation: Efficient Synthesis of Î³â€Trifluoromethyl Î±,Î²â€Unsaturated Esters. Angewandte Chemie, 2018, 130, 12273-12277.	1.6	11
75	Efficient Access to Chiral Î²â€Borylated Carboxylic Esters via Rhâ€Catalyzed Hydrogenation. Advanced Synthesis and Catalysis, 2019, 361, 2844-2848.	2.1	11
76	New tetraphosphite ligands for regioselective linear hydroformylation of terminal and internal olefins. RSC Advances, 2016, 6, 14559-14562.	1.7	10
77	Asymmetric Synthesis of Chiral Aza-macrodiolides via Iridium-Catalyzed Cascade Allylation/Macrolactonization. Organic Letters, 2022, 24, 2579-2584.	2.4	8
78	Facile access to chiral 4-substituted chromanes through Rh-catalyzed asymmetric hydrogenation. Chinese Chemical Letters, 2020, 31, 1859-1862.	4.8	5
79	Iridium-catalyzed asymmetric double allylic alkylation of azlactone: efficient access to chiral Î±-amino acid derivatives. Chemical Communications, 2022, 58, 3142-3145.	2.2	5
80	A Computational Study of Asymmetric Hydrogenation of <scp>2â€Phenyl</scp> Acrylic Acids Catalyzed by a Rh(I) Catalyst with Ferrocenyl Chiral Bisphosphorus Ligand: The Role of <scp>Ionâ€Pair</scp> Interaction^{â€}. Chinese Journal of Chemistry, 2021, 39, 1616-1624.	2.6	4
81	Facile access to chiral 1-pyrrolines through Rh-catalyzed enantioselective partial hydrogenation of unprotected simple pyrroles. Chinese Chemical Letters, 2022, , .	4.8	3
82	Design, Synthesis and Application of Multifunctional Chiral Amiâ€nophosphine Catalyst for Highly Efficient Catalyst for Asymmetric Intermolecular Cross <scp>Rauhutâ€Currier</scp> Reaction. Chinese Journal of Chemistry, 0, , .	2.6	3
83	Copper-catalyzed asymmetric propargylic substitution with salicylaldehyde-derived imine esters. Chemical Communications, 2022, 58, 8552-8555.	2.2	2
84	Efficient access to chiral dihydrobenzoxazinones via Rh-catalyzed hydrogenation. RSC Advances, 2019, 9, 15466-15469.	1.7	1