Xiaowei Dou

List of Publications by Year in descending order

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43 papers	1,674 citations	361296 20 h-index	276775 41 g-index
60 all docs	60 docs citations	60 times ranked	1500 citing authors

#	Article	IF	Citations
1	Rhodium-Catalyzed Asymmetric Conjugate Pyridylation with Pyridylboronic Acids. ACS Catalysis, 2022, 12, 2434-2440.	5.5	5
2	Relay Rhodium(I)/Acid Catalysis for Rapid Access to Benzoâ€2 H â€Pyrans and Benzofurans. Advanced Synthesis and Catalysis, 2022, 364, 1162-1167.	2.1	5
3	Rhodiumâ€Catalysed Asymmetric Arylation of Pyridylimines. Advanced Synthesis and Catalysis, 2022, 364, 531-535.	2.1	4
4	Rhodium-Catalyzed Chemodivergent Pyridylation of Alkynes with Pyridylboronic Acids. Organic Letters, 2022, 24, 4896-4901.	2.4	7
5	A rhodium-catalysed conjugate addition/cyclization cascade for the asymmetric synthesis of 2-amino-4H-chromenes. Organic and Biomolecular Chemistry, 2021, 19, 785-788.	1.5	9
6	Mild and Selective Rhodium-Catalyzed Transfer Hydrogenation of Functionalized Arenes. Organic Letters, 2021, 23, 1910-1914.	2.4	11
7	Rhodiumâ€Catalysed Asymmetric Synthesis of 4â€Alkylâ€4 H â€Chromenes. Advanced Synthesis and Catalysis, 2020, 362, 3589-3593.	2.1	5
8	Rhodiumâ€Catalyzed Asymmetric Conjugate Addition of Organoboronic Acids to Carbonylâ€Activated Alkenyl Azaarenes. Advanced Synthesis and Catalysis, 2020, 362, 3142-3147.	2.1	15
9	Rhodium-Catalyzed Diverse Arylation of 2,5-Dihydrofuran: Controllable Divergent Synthesis via Four Pathways. ACS Catalysis, 2020, 10, 2958-2963.	5.5	14
10	Diboronâ€Mediated Rhodiumâ€Catalysed Transfer Hydrogenation of Alkenes and Carbonyls. European Journal of Organic Chemistry, 2020, 2020, 1046-1049.	1.2	9
11	Catalyst-Controlled Chemodivergent Synthesis of Spirochromans from Diarylideneacetones and Organoboronic Acids. ACS Catalysis, 2020, 10, 2596-2602.	5.5	18
12	Front Cover Picture: Rhodiumâ€Catalyzed Asymmetric Conjugate Addition of Organoboronic Acids to Carbonylâ€Activated Alkenyl Azaarenes (Adv. Synth. Catal. 15/2020). Advanced Synthesis and Catalysis, 2020, 362, 3021-3021.	2.1	0
13	Catalytic asymmetric synthesis of chiral phenols in ethanol with recyclable rhodium catalyst. Green Chemistry, 2019, 21, 4946-4950.	4.6	15
14	Rhodium-Catalyzed Expeditious Synthesis of Indenes from Propargyl Alcohols and Organoboronic Acids by Selective 1,4-Rhodium Migration over Î²-Oxygen Elimination. ACS Catalysis, 2019, 9, 6857-6863.	5.5	31
15	Enantioselective Synthesis of 3,3â€²â€Diarylâ€SPINOLs: Rhodiumâ€Catalyzed Asymmetric Arylation/BF₃â€Promoted Spirocyclization Sequence. Angewandte Chemie - International Edition, 2019, 58, 2474-2478.	7.2	39
16	Enantioselective Synthesis of 3,3â€²â€Diarylâ€SPINOLs: Rhodiumâ€Catalyzed Asymmetric Arylation/BF₃â€Promoted Spirocyclization Sequence. Angewandte Chemie, 2019, 131, 2496-2500.	1.6	7
17	Rhodiumâ€Catalyzed Arylative Transformations of Propargylic Diols: Dual Role of the Rhodium Catalyst. Advanced Synthesis and Catalysis, 2018, 360, 1595-1599.	2.1	10
18	Rhodium-Catalyzed Homocoupling of Î³-Alkylatedtert-Propargylic Alcohols. Organic Letters, 2018, 20, 272-275.	2.4	11

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19	Access to Chiral HWE Reagents by Rhodium-Catalyzed Asymmetric Arylation of Î³,Î´-Unsaturated Î²-Ketophosphonates. Journal of Organic Chemistry, 2018, 83, 5869-5875.	1.7	8
20	Rhodium(I)â€Catalyzed Arylation/Dehydroxylation of tertâ€Propargylic Alcohols Leading to Tetrasubstituted Allenes. Advanced Synthesis and Catalysis, 2018, 360, 642-646.	2.1	23
21	Catalytic Asymmetric Conjugate Arylation of Î³,Î´-Unsaturated Î²-Dicarbonyl Compounds. Organic Letters, 2018, 20, 6882-6885.	2.4	16
22	Synthesis of metaâ€Arylated Phenol Derivatives by Rhodium(I)â€Catalyzed Arylation of Quinone Monoacetal. Advanced Synthesis and Catalysis, 2018, 360, 3466-3470.	2.1	9
23	Rhodium-Catalyzed Asymmetric Conjugate Alkynylation of Î²,Î³-Unsaturated Î±-Ketoesters. Organic Letters, 2017, 19, 2378-2381.	2.4	34
24	Baseâ€Free Conditions for Rhodiumâ€Catalyzed Asymmetric Arylation To Produce Stereochemically Labile Î±â€Aryl Ketones. Angewandte Chemie, 2016, 128, 6851-6855.	1.6	10
25	Baseâ€Free Conditions for Rhodiumâ€Catalyzed Asymmetric Arylation To Produce Stereochemically Labile Î±â€Aryl Ketones. Angewandte Chemie - International Edition, 2016, 55, 6739-6743.	7.2	43
26	Synthesis of Planar Chiral Shvo Catalysts for Asymmetric Transfer Hydrogenation. Advanced Synthesis and Catalysis, 2016, 358, 1054-1058.	2.1	20
27	Asymmetric Conjugate Alkynylation of Cyclic Î±,Î²â€Unsaturated Carbonyl Compounds with a Chiral Diene Rhodium Catalyst. Angewandte Chemie, 2016, 128, 1145-1149.	1.6	15
28	Enantioselective desymmetrization of cyclohexadienones via an intramolecular Rauhutâ€“Currier reaction of allenoates. Nature Communications, 2016, 7, 13024.	5.8	90
29	Asymmetric Conjugate Alkynylation of Cyclic Î±,Î²â€Unsaturated Carbonyl Compounds with a Chiral Diene Rhodium Catalyst. Angewandte Chemie - International Edition, 2016, 55, 1133-1137.	7.2	65
30	Highly Enantioselective Synthesis of 3,4-Dihydropyrans through a Phosphine-Catalyzed [4+2] Annulation of Allenones and Î²,Î³-Unsaturated Î±-Keto Esters. Journal of the American Chemical Society, 2015, 137, 54-57.	6.6	172
31	Enantioselective N-alkylation of isatins and synthesis of chiral N-alkylated indoles. Chemical Communications, 2014, 50, 11354-11357.	2.2	19
32	Facile regiospecific synthesis of 2,3-disubstituted indoles from isatins. Chemical Communications, 2014, 50, 9469-9472.	2.2	15
33	Enantioselective conjugate addition of 3-fluoro-oxindoles to vinyl sulfone: an organocatalytic access to chiral 3-fluoro-3-substituted oxindoles. Organic and Biomolecular Chemistry, 2013, 11, 5217.	1.5	56
34	A Facile Approach for the Asymmetric Synthesis of Oxindoles with a 3-Sulfenyl-Substituted Quaternary Stereocenter. Organic Letters, 2013, 15, 4920-4923.	2.4	32
35	Chiral Phosphine Catalyzed Asymmetric Michael Addition of Oxindoles. Angewandte Chemie - International Edition, 2013, 52, 943-947.	7.2	152
36	Asymmetric synthesis of 3-spirocyclopropyl-2-oxindoles via intramolecular trapping of chiral aza-ortho-xylylene. Chemical Communications, 2013, 49, 9224.	2.2	54

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37	Enantioselective Construction of 3-Hydroxy Oxindoles via Decarboxylative Addition of Î²-Ketoacids to Isatins. Organic Letters, 2012, 14, 4018-4021.	2.4	98
38	A Highly Enantioselective Synthesis of Functionalized 2,3â€Dihydrofurans by a Modified Feistâ€“BÃ©nary Reaction. Chemistry - A European Journal, 2012, 18, 13945-13948.	1.7	35
39	Highly Enantioselective Regiodivergent Allylic Alkylations of MBH Carbonates with Phthalides. Journal of the American Chemical Society, 2012, 134, 10222-10227.	6.6	185
40	Diastereodivergent Synthesis of 3â€Spirocyclopropylâ€2â€oxindoles through Direct Enantioselective Cyclopropanation of Oxindoles. Chemistry - A European Journal, 2012, 18, 8315-8319.	1.7	123
41	From the Feistâ€“BÃ©nary Reaction to Organocatalytic Domino Michaelâ€“Alkylation Reactions: Asymmetric Synthesis of 3(2â€‰H)â€Furanones. Chemistry - A European Journal, 2012, 18, 85-89.	1.7	54
42	Structures and physical properties of oligomeric and polymeric metal complexes based on bis(pyridyl)-substituted TTF ligands and an inorganic analogue. Dalton Transactions, 2011, 40, 919-926.	1.6	30
43	Organocatalytic Asymmetric Aldol Reaction of Hydroxyacetone with Î²,Î³-Unsaturated Î±-Keto Esters: Facile Access to Chiral Tertiary Alcohols. Organic Letters, 2011, 13, 5248-5251.	2.4	51