

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	Highly Enantioselective Regiodivergent Allylic Alkylations of MBH Carbonates with Phthalides. <i>Journal of the American Chemical Society</i> , 2012, 134, 10222-10227.	6.6	185
2	Highly Enantioselective Synthesis of 3,4-Dihydropyrans through a Phosphine-Catalyzed [4+2] Annulation of Allenones and $\hat{1}^2, \hat{1}^3$ -Unsaturated $\hat{1}^\pm$ -Keto Esters. <i>Journal of the American Chemical Society</i> , 2015, 137, 54-57.	6.6	172
3	Chiral Phosphine Catalyzed Asymmetric Michael Addition of Oxindoles. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 943-947.	7.2	152
4	Diastereodivergent Synthesis of 3- $\hat{1}^2$ -Spirocyclopropyl-2-oxindoles through Direct Enantioselective Cyclopropanation of Oxindoles. <i>Chemistry - A European Journal</i> , 2012, 18, 8315-8319.	1.7	123
5	Enantioselective Construction of 3-Hydroxy Oxindoles via Decarboxylative Addition of $\hat{1}^2$ -Ketoacids to Isatins. <i>Organic Letters</i> , 2012, 14, 4018-4021.	2.4	98
6	Enantioselective desymmetrization of cyclohexadienones via an intramolecular Rauhut- $\hat{1}^2$ -Currier reaction of allenones. <i>Nature Communications</i> , 2016, 7, 13024.	5.8	90
7	Asymmetric Conjugate Alkynylation of Cyclic $\hat{1}^\pm, \hat{1}^2$ -Unsaturated Carbonyl Compounds with a Chiral Diene Rhodium Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1133-1137.	7.2	65
8	Enantioselective conjugate addition of 3-fluoro-oxindoles to vinyl sulfone: an organocatalytic access to chiral 3-fluoro-3-substituted oxindoles. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5217.	1.5	56
9	From the Feist- $\hat{1}^2$ -B $\hat{1}^2$ Reaction to Organocatalytic Domino Michael- $\hat{1}^2$ -Alkylation Reactions: Asymmetric Synthesis of 3-(2- $\hat{1}^2$ -H $\hat{1}^2$)- $\hat{1}^2$ -Furanones. <i>Chemistry - A European Journal</i> , 2012, 18, 85-89.	1.7	54
10	Asymmetric synthesis of 3-spirocyclopropyl-2-oxindoles via intramolecular trapping of chiral aza-ortho-xylylene. <i>Chemical Communications</i> , 2013, 49, 9224.	2.2	54
11	Organocatalytic Asymmetric Aldol Reaction of Hydroxyacetone with $\hat{1}^2, \hat{1}^3$ -Unsaturated $\hat{1}^\pm$ -Keto Esters: Facile Access to Chiral Tertiary Alcohols. <i>Organic Letters</i> , 2011, 13, 5248-5251.	2.4	51
12	Base-Free Conditions for Rhodium-Catalyzed Asymmetric Arylation To Produce Stereochemically Labile $\hat{1}^\pm$ -Aryl Ketones. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6739-6743.	7.2	43
13	Enantioselective Synthesis of 3,3- $\hat{1}^2$ -Diaryl- $\hat{1}^2$ -PINOLs: Rhodium-Catalyzed Asymmetric Arylation/BF $\hat{1}^2$ -Promoted Spirocyclization Sequence. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2474-2478.	7.2	39
14	A Highly Enantioselective Synthesis of Functionalized 2,3- $\hat{1}^2$ -Dihydrofurans by a Modified Feist- $\hat{1}^2$ -B $\hat{1}^2$ Reaction. <i>Chemistry - A European Journal</i> , 2012, 18, 13945-13948.	1.7	35
15	Rhodium-Catalyzed Asymmetric Conjugate Alkynylation of $\hat{1}^2, \hat{1}^3$ -Unsaturated $\hat{1}^\pm$ -Ketoesters. <i>Organic Letters</i> , 2017, 19, 2378-2381.	2.4	34
16	A Facile Approach for the Asymmetric Synthesis of Oxindoles with a 3-Sulphenyl-Substituted Quaternary Stereocenter. <i>Organic Letters</i> , 2013, 15, 4920-4923.	2.4	32
17	Rhodium-Catalyzed Expedient Synthesis of Indenes from Propargyl Alcohols and Organoboronic Acids by Selective 1,4-Rhodium Migration over $\hat{1}^2$ -Oxygen Elimination. <i>ACS Catalysis</i> , 2019, 9, 6857-6863.	5.5	31
18	Structures and physical properties of oligomeric and polymeric metal complexes based on bis(pyridyl)-substituted TTF ligands and an inorganic analogue. <i>Dalton Transactions</i> , 2011, 40, 919-926.	1.6	30

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19	Rhodium(I)-Catalyzed Arylation/Dehydroxylation of <i>tert</i> -Propargylic Alcohols Leading to Tetrasubstituted Allenes. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 642-646.	2.1	23
20	Synthesis of Planar Chiral Shvo Catalysts for Asymmetric Transfer Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1054-1058.	2.1	20
21	Enantioselective N-alkylation of isatins and synthesis of chiral N-alkylated indoles. <i>Chemical Communications</i> , 2014, 50, 11354-11357.	2.2	19
22	Catalyst-Controlled Chemodivergent Synthesis of Spirochromans from Diarylideneacetones and Organoboronic Acids. <i>ACS Catalysis</i> , 2020, 10, 2596-2602.	5.5	18
23	Catalytic Asymmetric Conjugate Arylation of $\hat{1}^3, \hat{1}^2$ -Unsaturated $\hat{1}^2$ -Dicarbonyl Compounds. <i>Organic Letters</i> , 2018, 20, 6882-6885.	2.4	16
24	Facile regioselective synthesis of 2,3-disubstituted indoles from isatins. <i>Chemical Communications</i> , 2014, 50, 9469-9472.	2.2	15
25	Asymmetric Conjugate Alkynylation of Cyclic $\hat{1}^2, \hat{1}^2$ -Unsaturated Carbonyl Compounds with a Chiral Diene Rhodium Catalyst. <i>Angewandte Chemie</i> , 2016, 128, 1145-1149.	1.6	15
26	Catalytic asymmetric synthesis of chiral phenols in ethanol with recyclable rhodium catalyst. <i>Green Chemistry</i> , 2019, 21, 4946-4950.	4.6	15
27	Rhodium-Catalyzed Asymmetric Conjugate Addition of Organoboronic Acids to Carbonyl-Activated Alkenyl Azarenes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3142-3147.	2.1	15
28	Rhodium-Catalyzed Diverse Arylation of 2,5-Dihydrofuran: Controllable Divergent Synthesis via Four Pathways. <i>ACS Catalysis</i> , 2020, 10, 2958-2963.	5.5	14
29	Rhodium-Catalyzed Homocoupling of $\hat{1}^3$ -Alkylated <i>tert</i> -Propargylic Alcohols. <i>Organic Letters</i> , 2018, 20, 272-275.	2.4	11
30	Mild and Selective Rhodium-Catalyzed Transfer Hydrogenation of Functionalized Arenes. <i>Organic Letters</i> , 2021, 23, 1910-1914.	2.4	11
31	Base-Free Conditions for Rhodium-Catalyzed Asymmetric Arylation To Produce Stereochemically Labile $\hat{1}^2$ -Aryl Ketones. <i>Angewandte Chemie</i> , 2016, 128, 6851-6855.	1.6	10
32	Rhodium-Catalyzed Arylative Transformations of Propargylic Diols: Dual Role of the Rhodium Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1595-1599.	2.1	10
33	Synthesis of <i>meta</i> -Arylated Phenol Derivatives by Rhodium(I)-Catalyzed Arylation of Quinone Monoacetal. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3466-3470.	2.1	9
34	Diboron-Mediated Rhodium-Catalyzed Transfer Hydrogenation of Alkenes and Carbonyls. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1046-1049.	1.2	9
35	A rhodium-catalyzed conjugate addition/cyclization cascade for the asymmetric synthesis of 2-amino-4 <i>H</i> -chromenes. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 785-788.	1.5	9
36	Access to Chiral HWE Reagents by Rhodium-Catalyzed Asymmetric Arylation of $\hat{1}^3, \hat{1}^2$ -Unsaturated $\hat{1}^2$ -Ketophosphonates. <i>Journal of Organic Chemistry</i> , 2018, 83, 5869-5875.	1.7	8

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37	Enantioselective Synthesis of 3,3-Disubstituted Spiro[3.3]heptan-2-ones: Rhodium-Catalyzed Asymmetric Arylation/BF ₃ -Promoted Spirocyclization Sequence. <i>Angewandte Chemie</i> , 2019, 131, 2496-2500.	1.6	7
38	Rhodium-Catalyzed Chemodivergent Pyridylation of Alkynes with Pyridylboronic Acids. <i>Organic Letters</i> , 2022, 24, 4896-4901.	2.4	7
39	Rhodium-Catalyzed Asymmetric Synthesis of 4-Substituted 1,2,3,4-Tetrahydrochromenes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3589-3593.	2.1	5
40	Rhodium-Catalyzed Asymmetric Conjugate Pyridylation with Pyridylboronic Acids. <i>ACS Catalysis</i> , 2022, 12, 2434-2440.	5.5	5
41	Relay Rhodium(I)/Acid Catalysis for Rapid Access to Benzimidazoles and Benzofurans. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1162-1167.	2.1	5
42	Rhodium-Catalyzed Asymmetric Arylation of Pyridylimines. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 531-535.	2.1	4
43	Front Cover Picture: Rhodium-Catalyzed Asymmetric Conjugate Addition of Organoboronic Acids to Carbonyl-Activated Alkenyl Azaarenes (<i>Adv. Synth. Catal.</i> 15/2020). <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 3021-3021.	2.1	0