Jialin Wen

List of Publications by Year
in descending order

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Version: 2024-02-01

41	1,505	361296 20	315616 38
papers	citations	h-index	g-index

49	49	49	1198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dispersive solid-phase extraction followed by dispersive liquidâ€“liquid microextraction for the determination of some sulfonylurea herbicides in soil by high-performance liquid chromatography. Journal of Chromatography A, 2009, 1216, 5504-5510.	1.8	166
2	Asymmetric hydrogenation catalyzed by first-row transition metal complexes. Chemical Society Reviews, 2021, 50, 3211-3237.	18.7	147
3	Strong BrÃ¸nsted acid promoted asymmetric hydrogenation of isoquinolines and quinolines catalyzed by a Rhâ€“thiourea chiral phosphine complex via anion binding. Chemical Science, 2016, 7, 3047-3051.	3.7	134
4	Rhodiumâ€Catalyzed Asymmetric Hydrogenation of Unprotected NH Imines Assisted by a Thiourea. Angewandte Chemie - International Edition, 2014, 53, 8467-8470.	7.2	117
5	Chiral Tridentate Ligands in Transition Metal-Catalyzed Asymmetric Hydrogenation. Chemical Reviews, 2021, 121, 7530-7567.	23.0	117
6	BrÃ¸nsted-Acid-Promoted Rh-Catalyzed Asymmetric Hydrogenation of N-Unprotected Indoles: A Cocatalysis of Transition Metal and Anion Binding. Organic Letters, 2018, 20, 2143-2147.	2.4	62
7	Enantioselective Nickel-Catalyzed Mizorokiâ€“Heck Cyclizations To Generate Quaternary Stereocenters. Organic Letters, 2017, 19, 3338-3341.	2.4	54
8	Enantioselective Iridium-Catalyzed Hydrogenation of Î±-Keto Amides to Î±-Hydroxy Amides. Organic Letters, 2017, 19, 5920-5923.	2.4	51
9	Noncovalent Interaction-Assisted Ferrocenyl Phosphine Ligands in Asymmetric Catalysis. Accounts of Chemical Research, 2020, 53, 1905-1921.	7.6	47
10	Rhodium-Catalyzed Asymmetric Hydrogenation of Î±,Î²-Unsaturated Carbonyl Compounds via Thiourea Hydrogen Bonding. Organic Letters, 2016, 18, 4451-4453.	2.4	46
11	C1-Symmetric PNP Ligands for Manganese-Catalyzed Enantioselective Hydrogenation of Ketones: Reaction Scope and Enantioinduction Model. ACS Catalysis, 2020, 10, 13794-13799.	5.5	45
12	Homogeneous Hydrogenation with a Cobalt/Tetraphosphine Catalyst: A Superior Hydride Donor for Polar Double Bonds and N-Heteroarenes. Journal of the American Chemical Society, 2019, 141, 20424-20433.	6.6	44
13	Nickel-Catalyzed Desymmetric Hydrogenation of Cyclohexadienones: An Efficient Approach to All-Carbon Quaternary Stereocenters. Journal of the American Chemical Society, 2019, 141, 14560-14564.	6.6	41
14	Desymmetrization of cyclic 1,3-diketones via Ir-catalyzed hydrogenation: an efficient approach to cyclic hydroxy ketones with a chiral quaternary carbon. Chemical Science, 2019, 10, 6350-6353.	3.7	41
15	Enantioselective and Diastereoselective Ir-Catalyzed Hydrogenation of Î±-Substituted Î²-Ketoesters via Dynamic Kinetic Resolution. Organic Letters, 2018, 20, 1888-1892.	2.4	32
16	Cobalt-Mediated Selective Bâ€“H Activation and Formation of a Coâ€“B Bond in the Reaction of the 16-Electron CpCo Half-Sandwich Complex Containing an o-Carborane-1,2-dithiolate Ligand with Ethyl Diazoacetate. Inorganic Chemistry, 2011, 50, 4187-4194.	1.9	30
17	Highly enantioselective hydrogenation of Î±-oxy functionalized Î±,Î²-unsaturated acids catalyzed by a ChenPhosâ€“Rh complex in CF₃CH₂OH. Chemical Communications, 2016, 52, 2273-2276.	2.2	29
18	Iridiumâ€Catalyzed Enantioselective Hydrogenation of Oxocarbenium Ions: A Case of Ionic Hydrogenation. Angewandte Chemie - International Edition, 2020, 59, 6108-6114.	7.2	28

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19	Multinuclear Self-Assembly via a (p-Cymene)ruthenium Unit and ano-Carborane Selenolate Ligand. Organometallics, 2011, 30, 298-304.	1.1	23
20	Rh-Catalyzed Asymmetric Hydrogenation of Unsaturated Medium-Ring NH Lactams: Highly Enantioselective Synthesis of N-Unprotected 2,3-Dihydro-1,5-benzothiazepinones. Organic Letters, 2020, 22, 920-923.	2.4	21
21	Facile Synthesis of Enantiopure Sugar Alcohols: Asymmetric Hydrogenation and Dynamic Kinetic Resolution Combined. Angewandte Chemie - International Edition, 2020, 59, 18166-18171.	7.2	21
22	Asymmetric hydrogenation of Î±,Î²-unsaturated sulfones by a rhodium/thioureaâ€“bisphosphine complex. Organic Chemistry Frontiers, 2019, 6, 1438-1441.	2.3	19
23	Iridium/f-ampha-catalyzed asymmetric hydrogenation of aromatic Î±-keto esters. Organic Chemistry Frontiers, 2018, 5, 1209-1212.	2.3	17
24	Catalytic asymmetric hydrogenation of (Z)-Î±-dehydroamido boronate esters: direct route to alkyl-substituted Î±-amidoboronic esters. Chemical Science, 2020, 11, 851-855.	3.7	17
25	Iridium-Catalyzed Asymmetric Hydrogenation of Î±-Fluoro Ketones via a Dynamic Kinetic Resolution Strategy. Organic Letters, 2020, 22, 7230-7233.	2.4	14
26	Chiral Electron-Rich PNP Ligand with a Phospholane Motif: Structural Features and Application in Asymmetric Hydrogenation. Organic Letters, 2020, 22, 8796-8801.	2.4	13
27	Iridium/f-Amphox-Catalyzed Asymmetric Hydrogenation of Styrylglyoxylamides. Synlett, 2018, 29, 2203-2207.	1.0	12
28	Asymmetric Linear-Selective Hydroformylation of 1,1-Dialkyl Olefins Assisted by a Steric-Auxiliary Strategy. Organic Letters, 2020, 22, 4523-4526.	2.4	11
29	High-pressure asymmetric hydrogenation in a customized flow reactor and its application in multi-step flow synthesis of chiral drugs. Journal of Flow Chemistry, 2021, 11, 763-772.	1.2	11
30	A universal reactor platform for batch and flow: application to homogeneous and heterogeneous hydrogenation. Reaction Chemistry and Engineering, 2020, 5, 1903-1908.	1.9	10
31	Double Asymmetric Hydrogenation of Î±-Iminoketones: Facile Synthesis of Enantiopure Vicinal Amino Alcohols. ACS Catalysis, 2021, 11, 12729-12735.	5.5	10
32	Asymmetric Hydrogenation of Cationic Intermediates for the Synthesis of Chiral N,Oâ€Acetals. Chemistry - A European Journal, 2020, 26, 11470-11477.	1.7	9
33	Highly Chemo- and Enantioselective Hydrogenation of 2-Substituted-4-oxo-2-alkenoic Acids. Organic Letters, 2020, 22, 4812-4816.	2.4	7
34	Cobalt-Catalyzed Hydrogenative Transformation of Nitriles. ACS Catalysis, 2021, 11, 13761-13767.	5.5	6
35	Facile Synthesis of Enantiopure Sugar Alcohols: Asymmetric Hydrogenation and Dynamic Kinetic Resolution Combined. Angewandte Chemie, 2020, 132, 18323-18328.	1.6	5
36	Iridiumâ€Catalyzed Enantioselective Hydrogenation of Oxocarbenium Ions: A Case of Ionic Hydrogenation. Angewandte Chemie, 2020, 132, 6164-6170.	1.6	5

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37	Iridium-catalyzed asymmetric hydrogenation of N-phosphinoylimine. Organic Chemistry Frontiers, 2021, 8, 1223-1226.	2.3	4
38	Examination of Milstein Ru-PNN and Rh-Tribi/Tetrabi dual metal catalyst for isomerization-linear-hydroformylation of C4 raffinate and internal olefins. Green Synthesis and Catalysis, 2022, 3, 40-45.	3.7	4
39	Iridium-Catalyzed Hydroiodination and Formal Hydroamination of Olefins with N-Iodo Reagents and Molecular Hydrogen: An Umpolung Strategy. Organic Letters, 2022, 24, 1842-1847.	2.4	3
40	Enantioselective Hydrogenation of Endocyclic Enones: the Solution to a Historical Problem â€. Chinese Journal of Chemistry, 2021, 39, 933-936.	2.6	2
41	Construction of a quaternary stereogenic center by asymmetric hydroformylation: a straightforward method to prepare chiral Î±-quaternary amino acids. Chemical Science, 2022, 13, 7215-7223.	3.7	2