

Jialin Wen

List of Publications by Year in descending order

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41
papers

1,505
citations

361413

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docs citations

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times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Examination of Milstein Ru-PNN and Rh-Tribi/Tetrabi dual metal catalyst for isomerization-linear-hydroformylation of C4 raffinate and internal olefins. <i>Green Synthesis and Catalysis</i> , 2022, 3, 40-45.	6.8	4
2	Iridium-Catalyzed Hydroiodination and Formal Hydroamination of Olefins with <i>N</i> -Iodo Reagents and Molecular Hydrogen: An Umpolung Strategy. <i>Organic Letters</i> , 2022, 24, 1842-1847.	4.6	3
3	Construction of a quaternary stereogenic center by asymmetric hydroformylation: a straightforward method to prepare chiral $\hat{\pm}$ -quaternary amino acids. <i>Chemical Science</i> , 2022, 13, 7215-7223.	7.4	2
4	Enantioselective Hydrogenation of Endocyclic Enones: the Solution to a Historical Problem $\hat{\pm}$. <i>Chinese Journal of Chemistry</i> , 2021, 39, 933-936.	4.9	2
5	Asymmetric hydrogenation catalyzed by first-row transition metal complexes. <i>Chemical Society Reviews</i> , 2021, 50, 3211-3237.	38.1	147
6	High-pressure asymmetric hydrogenation in a customized flow reactor and its application in multi-step flow synthesis of chiral drugs. <i>Journal of Flow Chemistry</i> , 2021, 11, 763-772.	1.9	11
7	Chiral Tridentate Ligands in Transition Metal-Catalyzed Asymmetric Hydrogenation. <i>Chemical Reviews</i> , 2021, 121, 7530-7567.	47.7	117
8	Iridium-catalyzed asymmetric hydrogenation of <i>N</i> -phosphinoylimine. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1223-1226.	4.5	4
9	Double Asymmetric Hydrogenation of $\hat{\pm}$ -Iminoketones: Facile Synthesis of Enantiopure Vicinal Amino Alcohols. <i>ACS Catalysis</i> , 2021, 11, 12729-12735.	11.2	10
10	Cobalt-Catalyzed Hydrogenative Transformation of Nitriles. <i>ACS Catalysis</i> , 2021, 11, 13761-13767.	11.2	6
11	Catalytic asymmetric hydrogenation of (<i>Z</i>)- $\hat{\pm}$ -dehydroamido boronate esters: direct route to alkyl-substituted $\hat{\pm}$ -amidoboronic esters. <i>Chemical Science</i> , 2020, 11, 851-855.	7.4	17
12	Rh-Catalyzed Asymmetric Hydrogenation of Unsaturated Medium-Ring NH Lactams: Highly Enantioselective Synthesis of <i>N</i> -Unprotected 2,3-Dihydro-1,5-benzothiazepinones. <i>Organic Letters</i> , 2020, 22, 920-923.	4.6	21
13	Facile Synthesis of Enantiopure Sugar Alcohols: Asymmetric Hydrogenation and Dynamic Kinetic Resolution Combined. <i>Angewandte Chemie</i> , 2020, 132, 18323-18328.	2.0	5
14	<i>C1</i> -Symmetric PNP Ligands for Manganese-Catalyzed Enantioselective Hydrogenation of Ketones: Reaction Scope and Enantioinduction Model. <i>ACS Catalysis</i> , 2020, 10, 13794-13799.	11.2	45
15	Chiral Electron-Rich PNP Ligand with a Phospholane Motif: Structural Features and Application in Asymmetric Hydrogenation. <i>Organic Letters</i> , 2020, 22, 8796-8801.	4.6	13
16	Noncovalent Interaction-Assisted Ferrocenyl Phosphine Ligands in Asymmetric Catalysis. <i>Accounts of Chemical Research</i> , 2020, 53, 1905-1921.	15.6	47
17	Iridium-Catalyzed Asymmetric Hydrogenation of $\hat{\pm}$ -Fluoro Ketones via a Dynamic Kinetic Resolution Strategy. <i>Organic Letters</i> , 2020, 22, 7230-7233.	4.6	14
18	Asymmetric Linear-Selective Hydroformylation of 1,1-Dialkyl Olefins Assisted by a Steric-Auxiliary Strategy. <i>Organic Letters</i> , 2020, 22, 4523-4526.	4.6	11

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19	Highly Chemo- and Enantioselective Hydrogenation of 2-Substituted-4-oxo-2-alkenoic Acids. <i>Organic Letters</i> , 2020, 22, 4812-4816.	4.6	7
20	A universal reactor platform for batch and flow: application to homogeneous and heterogeneous hydrogenation. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1903-1908.	3.7	10
21	Asymmetric Hydrogenation of Cationic Intermediates for the Synthesis of Chiral α -Acetals. <i>Chemistry - A European Journal</i> , 2020, 26, 11470-11477.	3.3	9
22	Facile Synthesis of Enantiopure Sugar Alcohols: Asymmetric Hydrogenation and Dynamic Kinetic Resolution Combined. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18166-18171.	13.8	21
23	Iridium-Catalyzed Enantioselective Hydrogenation of Oxocarbenium Ions: A Case of Ionic Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6108-6114.	13.8	28
24	Iridium-Catalyzed Enantioselective Hydrogenation of Oxocarbenium Ions: A Case of Ionic Hydrogenation. <i>Angewandte Chemie</i> , 2020, 132, 6164-6170.	2.0	5
25	Nickel-Catalyzed Desymmetric Hydrogenation of Cyclohexadienones: An Efficient Approach to All-Carbon Quaternary Stereocenters. <i>Journal of the American Chemical Society</i> , 2019, 141, 14560-14564.	13.7	41
26	Desymmetrization of cyclic 1,3-diketones <i>via</i> Ir-catalyzed hydrogenation: an efficient approach to cyclic hydroxy ketones with a chiral quaternary carbon. <i>Chemical Science</i> , 2019, 10, 6350-6353.	7.4	41
27	Asymmetric hydrogenation of α,β -unsaturated sulfones by a rhodium/thiourea-bisphosphine complex. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1438-1441.	4.5	19
28	Homogeneous Hydrogenation with a Cobalt/Tetraphosphine Catalyst: A Superior Hydride Donor for Polar Double Bonds and α -Heteroarenes. <i>Journal of the American Chemical Society</i> , 2019, 141, 20424-20433.	13.7	44
29	Iridium/ α -catalyzed asymmetric hydrogenation of aromatic α -keto esters. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1209-1212.	4.5	17
30	Brønsted-Acid-Promoted Rh-Catalyzed Asymmetric Hydrogenation of N-Unprotected Indoles: A Cocatalysis of Transition Metal and Anion Binding. <i>Organic Letters</i> , 2018, 20, 2143-2147.	4.6	62
31	Enantioselective and Diastereoselective Ir-Catalyzed Hydrogenation of α -Substituted β -Ketoesters via Dynamic Kinetic Resolution. <i>Organic Letters</i> , 2018, 20, 1888-1892.	4.6	32
32	Iridium/ α -Catalyzed Asymmetric Hydrogenation of Styrylglyoxylamides. <i>Synlett</i> , 2018, 29, 2203-2207.	1.8	12
33	Enantioselective Nickel-Catalyzed Mizoroki-Heck Cyclizations To Generate Quaternary Stereocenters. <i>Organic Letters</i> , 2017, 19, 3338-3341.	4.6	54
34	Enantioselective Iridium-Catalyzed Hydrogenation of α -Keto Amides to α -Hydroxy Amides. <i>Organic Letters</i> , 2017, 19, 5920-5923.	4.6	51
35	Rhodium-Catalyzed Asymmetric Hydrogenation of α,β -Unsaturated Carbonyl Compounds via Thiourea Hydrogen Bonding. <i>Organic Letters</i> , 2016, 18, 4451-4453.	4.6	46
36	Strong Brønsted acid promoted asymmetric hydrogenation of isoquinolines and quinolines catalyzed by a Rh-thiourea chiral phosphine complex via anion binding. <i>Chemical Science</i> , 2016, 7, 3047-3051.	7.4	134

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37	Highly enantioselective hydrogenation of α -oxy functionalized α,β -unsaturated acids catalyzed by a ChenPhos-Rh complex in $\text{CF}_3\text{CH}_2\text{OH}$. <i>Chemical Communications</i> , 2016, 52, 2273-2276.	4.1	29
38	Rhodium-Catalyzed Asymmetric Hydrogenation of Unprotected NH Imines Assisted by a Thiourea. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 8467-8470.	13.8	117
39	Multinuclear Self-Assembly via a (<i>p</i> -Cymene)ruthenium Unit and an <i>o</i> -Carborane Selenolate Ligand. <i>Organometallics</i> , 2011, 30, 298-304.	2.3	23
40	Cobalt-Mediated Selective B-H Activation and Formation of a Co-B Bond in the Reaction of the 16-Electron CpCo Half-Sandwich Complex Containing an <i>o</i> -Carborane-1,2-dithiolate Ligand with Ethyl Diazoacetate. <i>Inorganic Chemistry</i> , 2011, 50, 4187-4194.	4.0	30
41	Dispersive solid-phase extraction followed by dispersive liquid-liquid microextraction for the determination of some sulfonylurea herbicides in soil by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 5504-5510.	3.7	166