

Weijun Tang

List of Publications by Year in descending order

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55
papers

2,550
citations

159585

30
h-index

197818

49
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76
all docs

76
docs citations

76
times ranked

1925
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioselective Hydrogenation of Quinolines Catalyzed by Ir(BINAP)-Cored Dendrimers: A Dramatic Enhancement of Catalytic Activity. <i>Organic Letters</i> , 2007, 9, 1243-1246.	4.6	197
2	Asymmetric Hydrogenation of Quinoxalines with Diphosphinite Ligands: A Practical Synthesis of Enantioenriched, Substituted Tetrahydroquinoxalines. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9135-9138.	13.8	155
3	Asymmetric hydrogenation of quinolines with high substrate/catalyst ratio. <i>Chemical Communications</i> , 2007, , 613-615.	4.1	122
4	Highly Enantioselective Hydrogenation of Quinoline and Pyridine Derivatives with Iridium(P^{Phos}) Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1055-1062.	4.3	100
5	Highly efficient and enantioselective hydrogenation of quinolines and pyridines with Ir-Difluorophos catalyst. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3464.	2.8	97
6	Cooperative Catalysis through Noncovalent Interactions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1668-1672.	13.8	85
7	Chemoselective dehydrogenative esterification of aldehydes and alcohols with a dimeric rhodium(P^{Phos}) catalyst. <i>Chemical Science</i> , 2016, 7, 4428-4434.	7.4	75
8	Mild Redox-Neutral Depolymerization of Lignin with a Binuclear Rh Complex in Water. <i>ACS Catalysis</i> , 2019, 9, 4441-4447.	11.2	74
9	Efficient and Chemoselective Reduction of Pyridines to Tetrahydropyridines and Piperidines <i>via</i> Rhodium-Catalyzed Transfer Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 35-40.	4.3	66
10	Iron-Catalyzed Anti-Markovnikov Hydroamination and Hydroamidation of Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2019, 141, 13506-13515.	13.7	66
11	Transition-Metal-Free Hydrogen Autotransfer: Diastereoselective N -Alkylation of Amines with Racemic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10528-10536.	13.8	65
12	The Remarkable Effect of a Simple Ion: Iodide-Promoted Transfer Hydrogenation of Heteroaromatics. <i>Chemistry - A European Journal</i> , 2012, 18, 9525-9529.	3.3	60
13	Asymmetric Guerbet Reaction to Access Chiral Alcohols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11408-11415.	13.8	60
14	Iron-Catalyzed Alkylation of Nitriles with Alcohols. <i>Chemistry - A European Journal</i> , 2018, 24, 13118-13123.	3.3	58
15	pH-Regulated transfer hydrogenation of quinoxalines with a $\text{Cp}^*\text{Ir}^{\text{III}}$ -diamine catalyst in aqueous media. <i>Tetrahedron</i> , 2011, 67, 6206-6213.	1.9	57
16	Atmosphere-Controlled Chemoselectivity: Rhodium-Catalyzed Alkylation and Olefination of Alkyl nitriles with Alcohols. <i>Chemistry - A European Journal</i> , 2017, 23, 14445-14449.	3.3	54
17	Divergent Dehydrogenative Coupling of Indolines with Alcohols. <i>ACS Catalysis</i> , 2017, 7, 1831-1835.	11.2	52
18	Dendronized Poly(Ru-BINAP) Complexes: Highly Effective and Easily Recyclable Catalysts For Asymmetric Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1440-1444.	4.3	51

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19	Rhodium-terpyridine catalyzed redox-neutral depolymerization of lignin in water. <i>Green Chemistry</i> , 2020, 22, 33-38.	9.0	51
20	Selective Manganese-catalyzed Oxidation of Hydrosilanes to Silanols under Neutral Reaction Conditions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6380-6384.	13.8	49
21	Anti-Markovnikov Hydroamination of Racemic Allylic Alcohols to Access Chiral β -Amino Alcohols. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21959-21964.	13.8	48
22	Asymmetric hydrogenation of quinolines with recyclable and air-stable iridium catalyst systems. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2625-2631.	1.8	47
23	Mixture of poly(ethylene glycol) and water as environmentally friendly media for efficient enantioselective transfer hydrogenation and catalyst recycling. <i>Journal of Molecular Catalysis A</i> , 2007, 275, 47-53.	4.8	47
24	Polyethylene Glycol as an Environmentally Friendly and Recyclable Reaction Medium for Enantioselective Hydrogenation. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 2172-2182.	4.3	46
25	Highly efficient chemoselective construction of 2,2-dimethyl-6-substituted 4-piperidones via multi-component tandem Mannich reaction in ionic liquids. <i>Green Chemistry</i> , 2010, 12, 949.	9.0	40
26	Dendritic MonoPhos: synthesis and application in Rh-catalyzed asymmetric hydrogenation. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 536-543.	1.8	38
27	Efficient synthesis of alkyl aryl ketones & ketals via palladium-catalyzed regioselective arylation of vinyl ethers. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2012.	2.8	34
28	Phase selectively soluble dendrimer-bound osmium complex: a highly effective and easily recyclable catalyst for olefin dihydroxylation Electronic supplementary information (ESI) available: synthesis details, characterization of the osmium complexes, dihydroxylation and recycling procedure. See http://www.rsc.org/suppdata/cc/b4/b401994f/ . <i>Chemical Communications</i> , 2004, , 1378.	4.1	32
29	Palladium-catalyzed Highly Regioselective Arylation of Allylamines with Thiophenes and Furans. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3225-3230.	4.3	32
30	Asymmetric Hydrogenation of Imines via Metal-Organic Cooperative Catalysis. <i>Synthesis</i> , 2014, 46, 1297-1302.	2.3	32
31	A general method for regioselective Heck arylation of electron-rich N-acyl-N-vinylamine with aryl halides. <i>Tetrahedron Letters</i> , 2008, 49, 2756-2760.	1.4	31
32	The preparation of 2,6-disubstituted pyridinyl phosphine oxides as novel anti-cancer agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2266-2269.	2.2	31
33	A highly active cyclometallated iridium catalyst for the hydrogenation of imines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6934.	2.8	30
34	Cooperative Catalysis: Combining an Achiral Metal Catalyst with a Chiral Brønsted Acid Enables Highly Enantioselective Hydrogenation of Imines. <i>Chemistry - A European Journal</i> , 2013, 19, 14187-14193.	3.3	28
35	Palladium-catalyzed Regioselective and Stereoselective Oxidative Heck Arylation of Allylamines with Arylboronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 1570-1578.	4.3	26
36	Dendritic BINOL ligands for asymmetric catalysis: effect of the linking positions and generations of the dendritic wedges on catalyst properties. <i>Tetrahedron</i> , 2003, 59, 8603-8611.	1.9	25

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37	Direct synthesis of 8-aryl tetrahydroquinolines via Pd-catalyzed ortho-arylation of arylureas in water. <i>RSC Advances</i> , 2013, 3, 1025-1028.	3.6	25
38	Enantioselective Reduction of 3-Substituted Quinolines with a Cyclopentadiene-Based Chiral Brønsted Acid. <i>Synthesis</i> , 2017, 49, 3157-3164.	2.3	21
39	Palladium-catalyzed regiocontrolled internal heteroarylation of electron-rich olefins with heteroaryl halides. <i>Tetrahedron Letters</i> , 2008, 49, 6104-6107.	1.4	19
40	Palladium-catalyzed, Highly Efficient, Regiocontrolled Arylation of Electron-Rich Allylamines with Aryl Halides. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 899-907.	4.3	18
41	Palladium-catalyzed highly regioselective and stereoselective arylation of electron-rich allylamines with aryl bromides. <i>Tetrahedron</i> , 2012, 68, 4919-4926.	1.9	16
42	Pd-catalyzed ligand-free Suzuki reaction of β -substituted allylic halides with arylboronic acids in water. <i>RSC Advances</i> , 2014, 4, 11152-11158.	3.6	16
43	Synthesis of triphenylphosphine-functionalized dendrimers and application to olefin hydroformylation. <i>Journal of Molecular Catalysis A</i> , 2005, 227, 91-96.	4.8	15
44	Transition-metal-free synthesis of quinolines from 2-nitrobenzyl alcohol in water. <i>Tetrahedron Letters</i> , 2015, 56, 6758-6761.	1.4	15
45	Palladium-catalyzed Highly Regioselective Mizoroki-Heck Arylation of Allylamines with Aryl Chlorides. <i>ChemCatChem</i> , 2014, 6, 311-318.	3.7	14
46	Cobalt-catalyzed asymmetric hydrogenation of ketones: A remarkable additive effect on enantioselectivity. <i>Chinese Chemical Letters</i> , 2021, 32, 1241-1244.	9.0	14
47	Asymmetric Ruthenium-catalyzed Hydroalkylation of Racemic Allylic Alcohols for the Synthesis of Chiral Amino Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	13
48	Ru-Catalyzed highly diastereoselective hydrogenation of N-tert-butylsulfinyl ketimines for the synthesis of aryl glycine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5468-5471.	2.8	12
49	Transition-Metal-Free Hydrogen Autotransfer: Diastereoselective N-Alkylation of Amines with Racemic Alcohols. <i>Angewandte Chemie</i> , 2019, 131, 10638-10646.	2.0	12
50	Ru-MACHO-Catalyzed Highly Chemoselective Hydrogenation of β -Keto Esters to 1,2-Diols or β -Hydroxy Esters. <i>Synlett</i> , 2016, 27, 1748-1752.	1.8	11
51	Cyclometalated Iridium Complexes as Highly Active Catalysts for the Hydrogenation of Imines. <i>Synlett</i> , 2013, 25, 81-84.	1.8	6
52	Rhodium-terpyridine Catalyzed Transfer Hydrogenation of Aromatic Nitro Compounds in Water. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1725-1729.	3.3	5
53	Palladium-catalyzed highly regioselective Heck reaction of aryl nonaflates with electron-rich olefins. <i>Chinese Chemical Letters</i> , 2008, 19, 1017-1020.	9.0	4
54	Asymmetric Hydrogenation of Racemic Allylic Alcohols via an Isomerization-Dynamic Kinetic Resolution Cascade. <i>Journal of Organic Chemistry</i> , 2022, 87, 3804-3809.	3.2	3

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55	Synthesis and Application of 3,3-Diarylmethyl BINOLs. Synlett, 2006, 2006, 1250-1254.	1.8	0