

Zhi-Yong Han

List of Publications by Year in descending order

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56
papers

3,915
citations

134610

34
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169272

56
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78
all docs

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docs citations

78
times ranked

3003
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Cascade C-H Functionalization/Asymmetric Allylation Reaction of Aryl Diazoamides and Allenes: Lewis Acid Makes a Difference. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	3
2	Photoinduced and palladium-catalyzed hydrogen atom transfer triggered 1,2-difunctionalization of 1,3-dienes with hydroxamides. <i>Science China Chemistry</i> , 2022, 65, 863-869.	4.2	17
3	Asymmetric $\hat{\pm}$ -Pentadienylation of Aldehydes with Cyclopropylacetylenes. <i>Organic Letters</i> , 2021, 23, 636-641.	2.4	11
4	Chiral-Anion-Mediated Asymmetric Heck-Matsuda Reaction of Acyclic Alkenyl Alcohols. <i>Organic Letters</i> , 2021, 23, 1473-1477.	2.4	6
5	Asymmetric Counteranion Directed Catalytic Heck/Tsuji-Trost Annulation of Aryl Iodides and 1,3-Dienes. <i>Organic Letters</i> , 2021, 23, 3834-3838.	2.4	10
6	Synthesis of Chiral Esters via Asymmetric Wolff Rearrangement Reaction. <i>Organic Letters</i> , 2019, 21, 9801-9805.	2.4	28
7	Catalytic Generation of C1 Ammonium Enolates from Halides and CO for Asymmetric Cascade Reactions. <i>Angewandte Chemie</i> , 2019, 131, 7729-7733.	1.6	17
8	Pd(II)-Catalyzed Asymmetric Oxidative Annulation of <i>N</i> -Alkoxyheteroaryl Amides and 1,3-Dienes. <i>Organic Letters</i> , 2019, 21, 2048-2051.	2.4	36
9	Access to chiral tetrahydrofluorenes through a palladium-catalyzed enantioselective tandem intramolecular Heck/Tsuji-Trost reaction. <i>Chemical Communications</i> , 2019, 55, 3769-3772.	2.2	33
10	Catalytic Generation of C1 Ammonium Enolates from Halides and CO for Asymmetric Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7647-7651.	7.2	51
11	Inside Cover: Palladium-Catalyzed Asymmetric Dihydroxylation of 1,3-Dienes with Catechols (Chin. J.) <i>Tj ETQq1 1 0.784314 rgBT /Overdo</i>	2.6	8
12	Palladium-Catalyzed Asymmetric Dihydroxylation of 1,3-Dienes with Catechols. <i>Chinese Journal of Chemistry</i> , 2019, 37, 226-232.	2.6	8
13	Pd(II)-Catalyzed Asymmetric Oxidative 1,2-Diamination of Conjugated Dienes with Ureas. <i>Organic Letters</i> , 2018, 20, 2485-2489.	2.4	49
14	$\hat{\pm}$ -Quaternary Chiral Aldehydes from Styrenes, Allylic Alcohols, and Syngas via Multi-catalyst Relay Catalysis. <i>CheM</i> , 2018, 4, 1047-1058.	5.8	76
15	Palladium-Catalyzed Asymmetric Aminohydroxylation of 1,3-Dienes. <i>Angewandte Chemie</i> , 2018, 130, 2396-2400.	1.6	21
16	Palladium-Catalyzed Asymmetric Aminohydroxylation of 1,3-Dienes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2372-2376.	7.2	92
17	Assembly of Tetrahydropyran Derivatives from Aldehydes, Allylboronates, and Syngas by Asymmetric Relay Catalytic Cascade Reaction. <i>Chemistry - A European Journal</i> , 2018, 24, 7626-7630.	1.7	13
18	Enantioselective Synthesis of 5-Alkylated Thiazolidinones via Palladium-Catalyzed Asymmetric Allylic C-H Alkylations of 1,4-Pentadienes with 5-Thiazol-4-ones. <i>Organic Letters</i> , 2018, 20, 4740-4744.	2.4	47

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19	Ir/PTC cooperatively catalyzed asymmetric umpolung allylation of β -imino ester enabled synthesis of β -quaternary amino acid derivatives bearing two vicinal stereocenters. <i>Chemical Communications</i> , 2017, 53, 1985-1988.	2.2	66
20	Enantioselective Hydroaminomethylation of Olefins Enabled by Rh/Brønsted Acid Relay Catalysis. <i>Organic Letters</i> , 2017, 19, 1076-1079.	2.4	38
21	Enantioselective Aza-ene Reactions of Enamides with Gold Carbenes Generated from β -Diazoesters. <i>Angewandte Chemie</i> , 2017, 129, 3295-3299.	1.6	6
22	Innenteilbild: Enantioselective Aza-ene Reactions of Enamides with Gold Carbenes Generated from β -Diazoesters (<i>Angew. Chem.</i> 12/2017). <i>Angewandte Chemie</i> , 2017, 129, 3158-3158.	1.6	0
23	Enantioselective Aza-ene Reactions of Enamides with Gold Carbenes Generated from β -Diazoesters. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3247-3251.	7.2	28
24	Palladium-Catalyzed Cascade $2 \times$ C-H Functionalization/Intramolecular Asymmetric Allylation: From Aryl Ureas and 1,3-Dienes to Chiral Indolines. <i>Angewandte Chemie</i> , 2017, 129, 6741-6745.	1.6	20
25	Palladium-Catalyzed Cascade $2 \times$ C-H Functionalization/Intramolecular Asymmetric Allylation: From Aryl Ureas and 1,3-Dienes to Chiral Indolines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6641-6645.	7.2	92
26	An Enantioselective Multicomponent Carbonyl Allylation of Aldehydes with Dienes and Alkynyl Bromides Enabled by Chiral Palladium Phosphate. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2383-2389.	2.1	23
27	Enantioselective [4 + 1] cycloaddition of ortho-quinone methides and bromomalonates under phase-transfer catalysis. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3670-3673.	1.5	46
28	Double Chiral Induction Enables a Stereoselective Carbonyl Allylation with Simple Alkenes under the Sequential Catalysis of Palladium Complex and Chiral Phosphoric Acid. <i>Organic Letters</i> , 2017, 19, 102-105.	2.4	49
29	Asymmetric Allylation of Furfural Derivatives: Synergistic Effect of Chiral Ligand and Organocatalyst on Stereochemical Control. <i>ACS Catalysis</i> , 2017, 7, 7917-7922.	5.5	38
30	Catalytic Enantioselective Assembly of Homoallylic Alcohols from Dienes, Aryldiazonium Salts, and Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4322-4326.	7.2	71
31	Catalytic Enantioselective Assembly of Homoallylic Alcohols from Dienes, Aryldiazonium Salts, and Aldehydes. <i>Angewandte Chemie</i> , 2016, 128, 4394-4398.	1.6	17
32	Highly Enantioselective Allylic C-H Alkylation of Terminal Olefins with Pyrazol-5-ones Enabled by Cooperative Catalysis of Palladium Complex and Brønsted Acid. <i>Journal of the American Chemical Society</i> , 2016, 138, 14354-14361.	6.6	158
33	Palladium-Catalyzed Enantioselective Heteroannulation of 1,3-Dienes by Functionally Substituted Aryl Iodides. <i>Journal of Organic Chemistry</i> , 2016, 81, 9402-9408.	1.7	44
34	Gold-Catalyzed Direct Assembly of Aryl-Annulated Carbazoles from 2-Alkynyl Arylazides and Alkynes. <i>Organic Letters</i> , 2016, 18, 4178-4181.	2.4	81
35	Ru(II)/Organo Relay Catalytic Three-Component Reaction of 3-Diazooxindoles, Amines, and Nitroalkene: Formal Synthesis of (β)-Psychotrimine. <i>Organic Letters</i> , 2016, 18, 4270-4273.	2.4	29
36	Chiral Gold Complex Catalyzed Tandem Dehydrative Cyclization/Hetero-Diels-Alder Reaction. <i>Synthesis</i> , 2016, 49, 151-158.	1.2	5

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37	Enantioselective Construction of Functionalized Tetrahydrocarbazoles Enabled by Asymmetric Relay Catalysis of Gold Complex and Chiral Brønsted Acid. <i>Organic Letters</i> , 2016, 18, 1506-1509.	2.4	74
38	Quinine-catalyzed highly enantioselective cycloannulation of o-quinone methides with malononitrile. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 2247-2250.	1.5	72
39	A palladium-catalysed multicomponent coupling approach to conjugated poly(1,3-dipoles) and polyheterocycles. <i>Nature Communications</i> , 2015, 6, 7411.	5.8	59
40	Pd(II)-Catalyzed Cycloisomerization/Dipolar Cycloaddition Cascade of <i>N</i> -Arylnitrone Alkynes with Olefins. <i>Journal of Organic Chemistry</i> , 2015, 80, 7732-7738.	1.7	13
41	Organocatalytic Highly Enantioselective Substitution of α -(<i>tosylalkyl</i>)indoles with Oxindoles Enables the First Total Synthesis of (+)- <i>Trigolutes</i> . <i>Chemistry - A European Journal</i> , 2015, 21, 8389-8393.	1.7	37
42	Diastereoselective Carbonyl Allylation with Simple Olefins Enabled by Palladium Complex-Catalyzed C-H Oxidative Borylation. <i>Journal of the American Chemical Society</i> , 2015, 137, 4054-4057.	6.6	96
43	Chiral Gold Phosphate Catalyzed Tandem Hydroamination/Asymmetric Transfer Hydrogenation Enables Access to Chiral Tetrahydroquinolines. <i>Journal of Organic Chemistry</i> , 2015, 80, 4754-4759.	1.7	43
44	Asymmetric Allylic C-H Oxidation for the Synthesis of Chromans. <i>Journal of the American Chemical Society</i> , 2015, 137, 12732-12735.	6.6	124
45	Enantioselective 1,2-Difunctionalization of Dienes Enabled by Chiral Palladium Complex-Catalyzed Cascade Arylation/Allylic Alkylation Reaction. <i>Journal of the American Chemical Society</i> , 2015, 137, 13476-13479.	6.6	153
46	Catalytic enantioselective synthesis of quaternary 3,3-diolindoles by combination of Rh(<i>sc</i>) complexes and chiral phosphines. <i>Organic Chemistry Frontiers</i> , 2015, 2, 956-960.	2.3	25
47	Relay Catalytic Cascade Hydrosilylation and Asymmetric Hetero-Diels-Alder Reaction. <i>Synthesis</i> , 2014, 46, 1355-1361.	1.2	32
48	Chiral Counteranion Strategy for Asymmetric Oxidative C(sp ³) ₂ H/C(sp ³) ₂ H Coupling: Enantioselective <i>trans</i> -Allylation of Aldehydes with Terminal Alkenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12218-12221.	7.2	211
49	Asymmetric Organocatalysis Combined with Metal Catalysis: Concept, Proof of Concept, and Beyond. <i>Accounts of Chemical Research</i> , 2014, 47, 2365-2377.	7.6	513
50	Enantioselective Relay Catalytic Cascade Intramolecular Hydrosilylation and Mukaiyama Aldol Reaction. <i>Chemistry - A European Journal</i> , 2013, 19, 6234-6238.	1.7	41
51	Metal-Free Oxidative C(sp ³) ₂ H Functionalization of Unactivated Alkynes Using Pyridine- <i>N</i> -oxide as the External Oxidant. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12307-12310.	7.2	137
52	Hybrid Metal/Organo Relay Catalysis Enables Enynes To Be Latent Dienes for Asymmetric Diels-Alder Reaction. <i>Journal of the American Chemical Society</i> , 2012, 134, 6532-6535.	6.6	159
53	Enantioselective concomitant creation of vicinal quaternary stereogenic centers via cyclization of alkynols triggered addition of azlactones. <i>Tetrahedron Letters</i> , 2011, 52, 5963-5967.	0.7	84
54	Highly Enantioselective Relay Catalysis in the Three-Component Reaction for Direct Construction of Structurally Complex Heterocycles. <i>Organic Letters</i> , 2010, 12, 2266-2269.	2.4	195

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55	Dynamic kinetic asymmetric transfer hydrogenation of racemic 2,4-diaryl-2,3-dihydrobenzo[b][1,4]diazepines catalyzed by chiral phosphoric acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 3729-3732.	1.0	61
56	Consecutive Intramolecular Hydroamination/Asymmetric Transfer Hydrogenation under Relay Catalysis of an Achiral Gold Complex/Chiral Brønsted Acid Binary System. <i>Journal of the American Chemical Society</i> , 2009, 131, 9182-9183.	6.6	361