

Chuan He

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,934
citations

172457

29
h-index

168389

53
g-index

75
all docs

75
docs citations

75
times ranked

3445
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical α -thiolation and azidation of 1,3-dicarbonyls. <i>Chemical Communications</i> , 2022, 58, 2758-2761.	4.1	5
2	Enantioselective α -H Functionalization toward Silicon-Stereogenic Silanes. <i>Synthesis</i> , 2022, 54, 1939-1950.	2.3	63
3	Enantioselective Intermolecular α -H Silylation of Heteroarenes for the Synthesis of Acyclic α -Stereogenic Silanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	43
4	Enantioselective Intermolecular α -H Silylation of Heteroarenes for the Synthesis of Acyclic α -Stereogenic Silanes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	15
5	Frontispiece: Enantioselective Intermolecular α -H Silylation of Heteroarenes for the Synthesis of Acyclic α -Stereogenic Silanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	3
6	Frontispiz: Enantioselective Intermolecular α -H Silylation of Heteroarenes for the Synthesis of Acyclic α -Stereogenic Silanes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
7	Synthesis of α -Stereogenic Silanols by Catalytic Asymmetric Hydrolytic Oxidation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
8	Synthesis of α -Stereogenic Silanols by Catalytic Asymmetric Hydrolytic Oxidation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	28
9	Copper-Catalyzed Desymmetrization of Prochiral Silanediols to Silicon-Stereogenic Silanols. <i>ACS Catalysis</i> , 2022, 12, 8476-8483.	11.2	29
10	Synthesis of Diverse Aryliodine(III) Reagents by Anodic Oxidation. <i>Chinese Journal of Chemistry</i> , 2021, 39, 627-632.	4.9	27
11	Sulfur stereogenic centers in transition-metal-catalyzed asymmetric α -H functionalization: generation and utilization. <i>Chemical Science</i> , 2021, 12, 10972-10984.	7.4	28
12	Transient- and Native-Directing-Group-Enabled Enantioselective α -H Functionalization. <i>Synthesis</i> , 2021, 53, 2029-2042.	2.3	21
13	Enantioselective construction of six- and seven-membered triorgano-substituted silicon-stereogenic heterocycles. <i>Nature Communications</i> , 2021, 12, 1249.	12.8	69
14	Asymmetric Synthesis of Silicon-Stereogenic Monohydrosilanes by Dehydrogenative α -H Silylation. <i>Organic Letters</i> , 2021, 23, 1367-1372.	4.6	57
15	Electrochemical Radical Silyl α -Oxygenation of Activated Alkenes. <i>Angewandte Chemie</i> , 2021, 133, 8826-8831.	2.0	11
16	Electrochemical Radical Silyl α -Oxygenation of Activated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8744-8749.	13.8	65
17	Catalytic Enantioselective Dehydrogenative α -O Coupling to Access Chiroptical Silicon-Stereogenic Siloxanes and Alkoxysilanes. <i>Journal of the American Chemical Society</i> , 2021, 143, 5301-5307.	13.7	74
18	Catalytic Asymmetric Synthesis of Silicon α -Stereogenic Dihydrodibenzosilines: Silicon Central α -Axial Chirality Relay. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13887-13891.	13.8	82

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19	Catalytic Enantioselective Synthesis of Silicon-Stereogenic Alkoxy-Silanes and Siloxanes. <i>Synlett</i> , 2021, 32, 1575-1580.	1.8	15
20	Catalytic Asymmetric Synthesis of Silicon-Stereogenic Dihydrodibenzosilines: Silicon Central-to-Axial Chirality Relay. <i>Angewandte Chemie</i> , 2021, 133, 14006-14010.	2.0	26
21	Intermolecular Dehydrogenative C-H/Si-H Cross-Coupling for the Synthesis of Arylbenzyl Bis(silanes). <i>European Journal of Organic Chemistry</i> , 2021, 2021, 3079-3082.	2.4	6
22	Catalytic Enantioselective Construction of Chiroptical Boron-Stereogenic Compounds. <i>Journal of the American Chemical Society</i> , 2021, 143, 16302-16310.	13.7	33
23	Hexafluoroisopropanol-Enabled Copper-Catalyzed Asymmetric Halogenation of Cyclic Diaryliodoniums for the Synthesis of Axially Chiral 2,2-Dihalobiaryls. <i>Organic Letters</i> , 2021, 23, 329-333.	4.6	27
24	Streamlined Construction of Silicon-Stereogenic Silanes by Tandem Enantioselective C-H Silylation/Alkene Hydrosilylation. <i>Journal of the American Chemical Society</i> , 2020, 142, 13459-13468.	13.7	104
25	Lewis acid-assisted Ir(III) reductive elimination enables construction of seven-membered-ring sulfoxides. <i>Chemical Science</i> , 2020, 11, 10149-10158.	7.4	9
26	Enantioselective Silylation of Aliphatic C-H Bonds for the Synthesis of Silicon-Stereogenic Dihydrobenzosiloles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22217-22222.	13.8	65
27	Enantioselective Silylation of Aliphatic C-H Bonds for the Synthesis of Silicon-Stereogenic Dihydrobenzosiloles. <i>Angewandte Chemie</i> , 2020, 132, 22401-22406.	2.0	20
28	Dual-Ligand-Enabled Ir(III)-Catalyzed Enantioselective C-H Amidation for the Synthesis of Chiral Sulfoxides. <i>ACS Catalysis</i> , 2020, 10, 7207-7215.	11.2	65
29	Palladium-Catalyzed C(sp ³)-H Bond Functionalization of Aliphatic Amines. <i>Chem</i> , 2019, 5, 1031-1058.	11.7	184
30	Oxidative Coupling Reactions Between Hydrocarbons and Organometallic Reagents (The Second) <i>Trends in Chemistry</i> , 2019, 1, 10-15.	0.3	0
31	Selective Reductive Elimination at Alkyl Palladium(IV) by Dissociative Ligand Ionization: Catalytic C(sp ³)-H Amination to Azetidines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3178-3182.	13.8	52
32	Selective Reductive Elimination at Alkyl Palladium(IV) by Dissociative Ligand Ionization: Catalytic C(sp ³)-H Amination to Azetidines. <i>Angewandte Chemie</i> , 2018, 130, 3232-3236.	2.0	11
33	Ligand-assisted palladium-catalyzed C-H alkenylation of aliphatic amines for the synthesis of functionalized pyrrolidines. <i>Chemical Science</i> , 2017, 8, 3586-3592.	7.4	52
34	Ligand-Enabled Catalytic C-H Arylation of Aliphatic Amines by a Four-Membered Ring Cyclopalladation Pathway. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15840-15844.	13.8	110
35	Ligand-Enabled Catalytic C-H Arylation of Aliphatic Amines by a Four-Membered Ring Cyclopalladation Pathway. <i>Angewandte Chemie</i> , 2015, 127, 16066-16070.	2.0	28
36	Revealing the Ligand Effect on Copper(I) Disproportionation via Operando IR Spectra. <i>Organometallics</i> , 2015, 34, 206-211.	2.3	30

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37	Oxidative cross-coupling/cyclization to build polysubstituted pyrroles from terminal alkynes and β -enamino esters. <i>Chemical Communications</i> , 2013, 49, 7549.	4.1	99
38	Synergistic Catalysis in the Sonogashira Coupling Reaction: Quantitative Kinetic Investigation of Transmetalation. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1527-1530.	13.8	63
39	Labile Cu(I) Catalyst/Spectator Cu(II) Species in Copper-Catalyzed C-C Coupling Reaction: Operando IR, in Situ XANES/EXAFS Evidence and Kinetic Investigations. <i>Journal of the American Chemical Society</i> , 2013, 135, 488-493.	13.7	78
40	Synthesis of Pyrroles by Click Reaction: Silver-Catalyzed Cycloaddition of Terminal Alkynes with Isocyanides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6958-6961.	13.8	238
41	Alcohol assisted C-C bond breaking: copper-catalyzed deacetylation β -arylation of β -keto esters and amides. <i>Chemical Communications</i> , 2013, 49, 6767.	4.1	27
42	Rational Design of a Palladium-Catalyzed C-C Cross-Coupling Reaction Inspired by Kinetic Studies. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9547-9551.	13.8	51
43	Heteroaromatic imidazo[1,2-a]pyridines synthesis from C-H/N-H oxidative cross-coupling/cyclization. <i>Chemical Communications</i> , 2012, 48, 11073.	4.1	212
44	Silver-Mediated Oxidative C-H/C-H Functionalization: A Strategy To Construct Polysubstituted Furans. <i>Journal of the American Chemical Society</i> , 2012, 134, 5766-5769.	13.7	297
45	Copper Catalyzed Arylation/C-C Bond Activation: An Approach toward β -Aryl Ketones. <i>Journal of the American Chemical Society</i> , 2010, 132, 8273-8275.	13.7	230
46	Organocatalysis in Cross-Coupling: DMEDA-Catalyzed Direct C-H Arylation of Unactivated Benzene. <i>Journal of the American Chemical Society</i> , 2010, 132, 16737-16740.	13.7	547
47	Nickel-Catalyzed Oxidative Coupling Reactions of Two Different Terminal Alkynes Using O_2 as the Oxidant at Room Temperature: Facile Syntheses of Unsymmetric 1,3-Diynes. <i>Organic Letters</i> , 2009, 11, 709-712.	4.6	245
48	Aryl Halide Tolerated Electrophilic Amination of Arylboronic Acids with N -Chloroamides Catalyzed by CuCl at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6414-6417.	13.8	128
49	Ni-Catalyzed Mild Arylation of β -Halocarbonyl Compounds with Arylboronic Acids. <i>Organic Letters</i> , 2007, 9, 5601-5604.	4.6	102
50	Enantioselective Hydroxylation of Dihydrosilanes to β -Chiral Silanols Catalyzed by In Situ Generated Copper(II) Species. <i>Angewandte Chemie</i> , 0, , .	2.0	3