

Chuan He

List of Publications by Year in descending order

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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	Organocatalysis in Cross-Coupling: DMEDA-Catalyzed Direct C ^{sp2} -H Arylation of Unactivated Benzene. <i>Journal of the American Chemical Society</i> , 2010, 132, 16737-16740.	13.7	547
2	Silver-Mediated Oxidative C ^{sp2} -H/C ^{sp2} -H Functionalization: A Strategy To Construct Polysubstituted Furans. <i>Journal of the American Chemical Society</i> , 2012, 134, 5766-5769.	13.7	297
3	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
4	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
5	Copper Catalyzed Arylation/C ^{sp2} -C Bond Activation: An Approach toward β -Aryl Ketones. <i>Journal of the American Chemical Society</i> , 2010, 132, 8273-8275.	13.7	230
6	Heteroaromatic imidazo[1,2-a]pyridines synthesis from C ^{sp2} -H/N ^{sp2} -H oxidative cross-coupling/cyclization. <i>Chemical Communications</i> , 2012, 48, 11073.	4.1	212
7	Palladium-Catalyzed C(sp ³)-H Bond Functionalization of Aliphatic Amines. <i>Chem</i> , 2019, 5, 1031-1058.	11.7	184
8	Aryl Halide Tolerated Electrophilic Amination of Arylboronic Acids with <i>N</i> -Chloroamides Catalyzed by CuCl at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6414-6417.	13.8	128
9	Ligand-Enabled Catalytic C ^{sp3} -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
10	Streamlined Construction of Silicon-Stereogenic Silanes by Tandem Enantioselective C ^{sp2} -H Silylation/Alkene Hydrosilylation. <i>Journal of the American Chemical Society</i> , 2020, 142, 13459-13468.	13.7	104
11	Ni-Catalyzed Mild Arylation of β -Halocarbonyl Compounds with Arylboronic Acids. <i>Organic Letters</i> , 2007, 9, 5601-5604.	4.6	102
12	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
13	Catalytic Asymmetric Synthesis of Silicon-Stereogenic Dihydrodibenzosilines: Silicon Central-to-Axial Chirality Relay. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13887-13891.	13.8	82
14	Labile Cu(I) Catalyst/Spectator Cu(II) Species in Copper-Catalyzed C ^{sp2} -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
15	Catalytic Enantioselective Dehydrogenative Si ^{sp3} -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
16	Enantioselective construction of six- and seven-membered triorgano-substituted silicon-stereogenic heterocycles. <i>Nature Communications</i> , 2021, 12, 1249.	12.8	69
17	Enantioselective Silylation of Aliphatic C ^{sp3} -H Bonds for the Synthesis of Silicon-Stereogenic Dihydrodibenzosiloles. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22217-22222.	13.8	65
18	Dual-Ligand-Enabled Ir(III)-Catalyzed Enantioselective C ^{sp2} -H Amidation for the Synthesis of Chiral Sulfoxides. <i>ACS Catalysis</i> , 2020, 10, 7207-7215.	11.2	65

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19	Electrochemical Radical Silylâ€Oxygenation of Activated Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8744-8749.	13.8	65
20	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
21	Enantioselective Câ€H Functionalization toward Silicon-Stereogenic Silanes. <i>Synthesis</i> , 2022, 54, 1939-1950.	2.3	63
22	Asymmetric Synthesis of Silicon-Stereogenic Monohydrosilanes by Dehydrogenative Câ€H Silylation. <i>Organic Letters</i> , 2021, 23, 1367-1372.	4.6	57
23	Ligand-assisted palladium-catalyzed Câ€H alkenylation of aliphatic amines for the synthesis of functionalized pyrrolidines. <i>Chemical Science</i> , 2017, 8, 3586-3592.	7.4	52
24	Selective Reductive Elimination at Alkyl Palladium(IV) by Dissociative Ligand Ionization: Catalytic C(sp ³)â€H Amination to Azetidines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3178-3182.	13.8	52
25	Rational Design of a Palladiumâ€Catalyzed C _{sp} â€C _{sp} Crossâ€Coupling Reaction Inspired by Kinetic Studies. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9547-9551.	13.8	51
26	Enantioselective Intermolecular Câ€H Silylation of Heteroarenes for the Synthesis of Acyclic Siâ€Stereogenic Silanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	43
27	Catalytic Enantioselective Construction of Chiroptical Boron-Stereogenic Compounds. <i>Journal of the American Chemical Society</i> , 2021, 143, 16302-16310.	13.7	33
28	Revealing the Ligand Effect on Copper(I) Disproportionation via Operando IR Spectra. <i>Organometallics</i> , 2015, 34, 206-211.	2.3	30
29	Copper-Catalyzed Desymmetrization of Prochiral Silanediols to Silicon-Stereogenic Silanols. <i>ACS Catalysis</i> , 2022, 12, 8476-8483.	11.2	29
30	Ligandâ€Enabled Catalytic Cî€H Arylation of Aliphatic Amines by a Fourâ€Memberedâ€Ring Cyclopalladation Pathway. <i>Angewandte Chemie</i> , 2015, 127, 16066-16070.	2.0	28
31	Sulfur stereogenic centers in transition-metal-catalyzed asymmetric Câ€H functionalization: generation and utilization. <i>Chemical Science</i> , 2021, 12, 10972-10984.	7.4	28
32	Synthesis of Siâ€Stereogenic Silanols by Catalytic Asymmetric Hydrolytic Oxidation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	28
33	Alcohol assisted Câ€C bond breaking: copper-catalyzed deacetylative î€-arylation of î€-keto esters and amides. <i>Chemical Communications</i> , 2013, 49, 6767.	4.1	27
34	Synthesis of Diverse Aryliodine(^{III}) Reagents by Anodic Oxidation ⁺ . <i>Chinese Journal of Chemistry</i> , 2021, 39, 627-632.	4.9	27
35	Hexafluoroisopropanol-Enabled Copper-Catalyzed Asymmetric Halogenation of Cyclic Diaryliodoniums for the Synthesis of Axially Chiral 2,2â€-Dihalobiaryls. <i>Organic Letters</i> , 2021, 23, 329-333.	4.6	27
36	Catalytic Asymmetric Synthesis of Siliconâ€Stereogenic Dihydrodibenzosilines: Silicon Centralâ€toâ€Axial Chirality Relay. <i>Angewandte Chemie</i> , 2021, 133, 14006-14010.	2.0	26

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37	Transient- and Native-Directing-Group-Enabled Enantioselective C-H Functionalization. <i>Synthesis</i> , 2021, 53, 2029-2042.	2.3	21
38	Enantioselective Silylation of Aliphatic C-H Bonds for the Synthesis of Silicon-Stereogenic Dihydrobenzsiloles. <i>Angewandte Chemie</i> , 2020, 132, 22401-22406.	2.0	20
39	Catalytic Enantioselective Synthesis of Silicon-Stereogenic Alkoxy-Silanes and Siloxanes. <i>Synlett</i> , 2021, 32, 1575-1580.	1.8	15
40	Enantioselective Intermolecular C-H Silylation of Heteroarenes for the Synthesis of Acyclic Silicon-Stereogenic Silanes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	15
41	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
42	Electrochemical Radical Silyloxygenation of Activated Alkenes. <i>Angewandte Chemie</i> , 2021, 133, 8826-8831.	2.0	11
43	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
44	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
45	Electrochemical α -thiolation and azidation of 1,3-dicarbonyls. <i>Chemical Communications</i> , 2022, 58, 2758-2761.	4.1	5
46	Synthesis of Silicon-Stereogenic Silanols by Catalytic Asymmetric Hydrolytic Oxidation. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	5
47	Frontispiece: Enantioselective Intermolecular C-H Silylation of Heteroarenes for the Synthesis of Acyclic Silicon-Stereogenic Silanes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	3
48	Enantioselective Hydroxylation of Dihydrosilanes to Silicon-Chiral Silanols Catalyzed by In Situ Generated Copper(II) Species. <i>Angewandte Chemie</i> , 0, , .	2.0	3
49	Oxidative Coupling Reactions Between Hydrocarbons and Organometallic Reagents (The Second) <i>Tj ETQq1 1 0.784314 rgBT 0/Overloc</i>	0.3	0
50	Frontispiz: Enantioselective Intermolecular C-H Silylation of Heteroarenes for the Synthesis of Acyclic Silicon-Stereogenic Silanes. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0