Chao Zheng

List of Publications by Year
in descending order

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99 papers	8,984 citations	50170 46 h-index	42291 92 g-index
107 all docs	107 docs citations	107 times ranked	4491 citing authors

#	Article	IF	Citations
1	Enantioselective construction of a congested quaternary stereogenic center in isoindolinones bearing three aryl groups via an organocatalytic formal Betti reaction. Organic Chemistry Frontiers, 2022, 9, 428-435.	2.3	11
2	Enantioselective Dearomative Mizorokiâ€“Heck Reaction of Naphthalenes. ACS Catalysis, 2022, 12, 655-661.	5.5	19
3	Pd-Catalyzed Asymmetric Dearomative Arylation of Indoles via a Desymmetrization Strategy. Organic Letters, 2022, 24, 1481-1485.	2.4	13
4	Rhodium(III)-Catalyzed Enantioselective Câ€“H Activation/Annulation of Ferrocenecarboxamides with Internal Alkynes. ACS Catalysis, 2022, 12, 3083-3093.	5.5	20
5	Enantioselective Synthesis of Medium-Sized-Ring Lactones via Iridium-Catalyzed Z-Retentive Asymmetric Allylic Substitution Reaction. Journal of the American Chemical Society, 2022, 144, 4770-4775.	6.6	27
6	Iridiumâ€Catalyzed Asymmetric Allylic Substitution of Methyl Azaarenes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	19
7	Cascade asymmetric dearomative cyclization reactions via transition-metal-catalysis. , 2022, 1, 203-216.		34
8	Iridiumâ€Catalyzed Asymmetric Allylic Substitution of Methyl Azaarenes. Angewandte Chemie, 2022, 134, .	1.6	4
9	Characterization of Histidine Functionalization and Its Timing in the Biosynthesis of Ribosomally Synthesized and Posttranslationally Modified Thioamitides. Journal of the American Chemical Society, 2022, 144, 4431-4438.	6.6	7
10	SmI2-mediated enantioselective reductive dearomatization of non-activated arenes. , 2022, 1, 401-406.		8
11	Chiral BrÃ¸nsted Acid-Catalyzed Intramolecular Asymmetric Allylic Alkylation of Indoles with Primary Alcohols. Organic Letters, 2022, 24, 3544-3548.	2.4	4
12	Iridiumâ€Catalyzed Intermolecular Asymmetric Allylic Amination with Pyridones. Advanced Synthesis and Catalysis, 2022, 364, 3432-3437.	2.1	9
13	Organocatalytic Asymmetric Dearomatizing Hetero-Diels-Alder Reaction of Nonactivated Arenes. Chinese Journal of Organic Chemistry, 2022, 42, 1880.	0.6	0
14	Ag2O/squaramide cocatalyzed asymmetric interrupted barton-zard reaction of 8-nitroimidazo[1,2-a]pyridines. Science Bulletin, 2022, , .	4.3	2
15	Silica gel-promoted synthesis of multisubstituted spiroindolenines from tryptamines and Î³-chloro-Î±,Î²-unsaturated ketones. Tetrahedron, 2021, 77, 131765.	1.0	3
16	Enantioselective Synthesis of Azoniahelicenes by Rh-Catalyzed Câ€“H Annulation with Alkynes. Journal of the American Chemical Society, 2021, 143, 114-120.	6.6	81
17	Enantioselective synthesis of polycyclic pyrrole derivatives by iridium-catalyzed asymmetric allylic dearomatization and ring-expansive migration reactions. Chemical Communications, 2021, 57, 5390-5393.	2.2	6
18	Iridium-catalyzed Z -retentive asymmetric allylic substitution reactions. Science, 2021, 371, 380-386.	6.0	125

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19	Visible-Light-Mediated Synthesis of Cyclobutene-Fused Indolizidines and Related Structural Analogs. CCS Chemistry, 2021, 3, 652-664.	4.6	48
20	Advances in Catalytic Asymmetric Dearomatization. ACS Central Science, 2021, 7, 432-444.	5.3	203
21	Visibleâ€Lightâ€Induced Intramolecular Double Dearomative Cycloaddition of Arenes. Angewandte Chemie - International Edition, 2021, 60, 7036-7040.	7.2	44
22	Visibleâ€Lightâ€Induced Intramolecular Double Dearomative Cycloaddition of Arenes. Angewandte Chemie, 2021, 133, 7112-7116.	1.6	7
23	Ni-catalyzed enantioselective [2Â+ 2Â+ 2] cycloaddition of malononitriles with alkynes. CheM, 2021, 7, 799-811.	5.8	27
24	Molybdenumâ€Catalyzed Deoxygenative Cyclopropanation of 1,2â€Dicarbonyl or Monocarbonyl Compounds. Angewandte Chemie - International Edition, 2021, 60, 15254-15259.	7.2	22
25	Silverâ€Catalyzed Asymmetric Dearomatization of Electronâ€Deficient Heteroarenes via Interrupted Bartonâ€“Zard Reaction. Angewandte Chemie, 2021, 133, 19882-19886.	1.6	26
26	Silverâ€Catalyzed Asymmetric Dearomatization of Electronâ€Deficient Heteroarenes via Interrupted Bartonâ€“Zard Reaction. Angewandte Chemie - International Edition, 2021, 60, 19730-19734.	7.2	33
27	Visible-Light-Induced Dearomatization of Indoles/Pyrroles with Vinylcyclopropanes: Expedient Synthesis of Structurally Diverse Polycyclic Indolines/Pyrrolines. Journal of the American Chemical Society, 2021, 143, 13441-13449.	6.6	50
28	Palladiumâ€Catalyzed Dearomative Methoxyallylation of 3â€Nitroindoles with Allyl Carbonates. Angewandte Chemie, 2021, 133, 22358-22362.	1.6	3
29	Palladiumâ€Catalyzed Dearomative Methoxyallylation of 3â€Nitroindoles with Allyl Carbonates. Angewandte Chemie - International Edition, 2021, 60, 22184-22188.	7.2	15
30	Sequenceâ€Dependent Stereodivergent Allylic Alkylation/Fluorination of Acyclic Ketones. Angewandte Chemie - International Edition, 2020, 59, 2039-2043.	7.2	84
31	Chiral phosphoric acid-catalyzed asymmetric dearomatization reactions. Chemical Society Reviews, 2020, 49, 286-300.	18.7	247
32	Pdâ€Catalyzed Dearomatization of Indole Derivatives via Intermolecular Heck Reactions^{â€}. Chinese Journal of Chemistry, 2020, 38, 235-241.	2.6	32
33	Sequenceâ€Dependent Stereodivergent Allylic Alkylation/Fluorination of Acyclic Ketones. Angewandte Chemie, 2020, 132, 2055-2059.	1.6	29
34	Enantioselective Access to Î³-All-Carbon Quaternary Center-Containing Cyclohexanones by Palladium-Catalyzed Desymmetrization. ACS Catalysis, 2020, 10, 216-224.	5.5	21
35	Visible-Light-Induced Dearomatization via [2+2] Cycloaddition or 1,5-Hydrogen Atom Transfer: Divergent Reaction Pathways of Transient Diradicals. ACS Catalysis, 2020, 10, 12618-12626.	5.5	50
36	Rhodium-Catalyzed Atroposelective Oxidative Câ€“H/Câ€“H Cross-Coupling Reaction of 1-Aryl Isoquinoline Derivatives with Electron-Rich Heteroarenes. Journal of the American Chemical Society, 2020, 142, 15678-15685.	6.6	126

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37	Enantioselective Desymmetrization of Bisphenol Derivatives via Ir-Catalyzed Allylic Dearomatization. Journal of the American Chemical Society, 2020, 142, 19354-19359.	6.6	35
38	Cu II /TEMPOâ€Catalyzed Enantioselective C(sp 3)â€“H Alkynylation of Tertiary Cyclic Amines through Shonoâ€Type Oxidation. Angewandte Chemie, 2020, 132, 15366-15371.	1.6	26
39	Cu^{II}/TEMPOâ€Catalyzed Enantioselective C(sp³)â€“H Alkynylation of Tertiary Cyclic Amines through Shonoâ€Type Oxidation. Angewandte Chemie - International Edition, 2020, 59, 15254-15259.	7.2	109
40	Palladium-catalyzed dearomative 1,4-difunctionalization of naphthalenes. Chemical Science, 2020, 11, 6830-6835.	3.7	27
41	Time-dependent enantiodivergent synthesis via sequential kinetic resolution. Nature Chemistry, 2020, 12, 838-844.	6.6	67
42	Divergent Pathways and Dynamic Effects of Intramolecular Hydride Transfer Reactions Mediated by Cp*M(<scp>III</scp>) Complexes (M = Co, Rh, Ir)^{â€}. Chinese Journal of Chemistry, 2020, 38, 1579-1584.	2.6	5
43	Iridiumâ€Catalyzed Enantioselective Intermolecular Indole C2â€Allylation. Angewandte Chemie, 2020, 132, 7668-7674.	1.6	12
44	Iridiumâ€Catalyzed Enantioselective Intermolecular Indole C2â€Allylation. Angewandte Chemie - International Edition, 2020, 59, 7598-7604.	7.2	44
45	<scp>Pdâ€Catalyzed</scp> Asymmetric Intramolecular Arylative Dearomatization of <scp>paraâ€Aminophenols</scp>^{â€}. Chinese Journal of Chemistry, 2020, 38, 683-689.	2.6	24
46	Exploring the Chemistry of Spiroindolenines by Mechanistically-Driven Reaction Development: Asymmetric Pictetâ€“Spengler-type Reactions and Beyond. Accounts of Chemical Research, 2020, 53, 974-987.	7.6	105
47	Chiral phosphoric acid catalyzed aminative dearomatization of Î±-naphthols/Michael addition sequence. Nature Communications, 2019, 10, 3150.	5.8	46
48	Enantioselective Synthesis of Arene cis â€Dihydrodiols from 2â€Pyrones. Angewandte Chemie - International Edition, 2019, 58, 14562-14567.	7.2	35
49	Manipulation of Spiroindolenine Intermediates for Enantioselective Synthesis of 3â€(Indolâ€3â€yl)â€Pyrrolidines. Angewandte Chemie, 2019, 131, 1170-1174.	1.6	1
50	Iridiumâ€Catalyzed Asymmetric Allylic Aromatization Reaction. Angewandte Chemie, 2019, 131, 10603-10609.	1.6	13
51	Iridiumâ€Catalyzed Asymmetric Allylic Aromatization Reaction. Angewandte Chemie - International Edition, 2019, 58, 10493-10499.	7.2	44
52	Catalytic asymmetric dearomatization (CADA) reaction-enabled total synthesis of indole-based natural products. Natural Product Reports, 2019, 36, 1589-1605.	5.2	255
53	Iridium-Catalyzed Asymmetric Allylic Substitution Reactions. Chemical Reviews, 2019, 119, 1855-1969.	23.0	547
54	Pd^{II}â€Catalyzed Regioâ€and Enantioselective Oxidative Cî’H/Cî’H Crossâ€Coupling Reaction between Ferrocenes and Azoles. Angewandte Chemie - International Edition, 2019, 58, 2149-2153.	7.2	65

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55	Pd^{II}â€Catalyzed Regioâ€and Enantioselective Oxidative Câ^'H/Câ^'H Crossâ€Coupling Reaction between Ferrocenes and Azoles. Angewandte Chemie, 2019, 131, 2171-2175.	1.6	52
56	Synthesis of Cyclobutane-Fused Angular Tetracyclic Spiroindolines via Visible-Light-Promoted Intramolecular Dearomatization of Indole Derivatives. Journal of the American Chemical Society, 2019, 141, 2636-2644.	6.6	177
57	Manipulation of Spiroindolenine Intermediates for Enantioselective Synthesis of 3â€(Indolâ€3â€yl)â€Pyrrolidines. Angewandte Chemie - International Edition, 2019, 58, 1158-1162.	7.2	12
58	Iridium-Catalyzed Intramolecular Asymmetric Allylic Alkylation of Hydroxyquinolines: Simultaneous Weakening of the Aromaticity of Two Consecutive Aromatic Rings. Journal of the American Chemical Society, 2018, 140, 3114-3119.	6.6	58
59	Palladium(0)-Catalyzed Intermolecular Asymmetric Allylic Dearomatization of Polycyclic Indoles. Organic Letters, 2018, 20, 748-751.	2.4	36
60	Catalytic Asymmetric Dearomatization of Indolyl Dihydropyridines through an Enamine Isomerization/Spirocyclization/Transfer Hydrogenation Sequence. Angewandte Chemie, 2018, 130, 2683-2686.	1.6	12
61	Catalytic Asymmetric Dearomatization of Indolyl Dihydropyridines through an Enamine Isomerization/Spirocyclization/Transfer Hydrogenation Sequence. Angewandte Chemie - International Edition, 2018, 57, 2653-2656.	7.2	59
62	Iridiumâ€Catalyzed Intramolecular Asymmetric Allylic Dearomatization of Benzene Derivatives. Angewandte Chemie - International Edition, 2018, 57, 16190-16193.	7.2	27
63	Iridiumâ€Catalyzed Intramolecular Asymmetric Allylic Dearomatization of Benzene Derivatives. Angewandte Chemie, 2018, 130, 16422-16425.	1.6	2
64	Enantioselective dearomative prenylation of indole derivatives. Nature Catalysis, 2018, 1, 601-608.	16.1	94
65	Unified Mechanistic Understandings of Pictet-Spengler Reactions. CheM, 2018, 4, 1952-1966.	5.8	65
66	Iridiumâ€Catalyzed Intermolecular Asymmetric Dearomatization of Î²â€Naphthols with Allyl Alcohols or Allyl Ethers. Angewandte Chemie, 2017, 129, 3285-3289.	1.6	25
67	Iridiumâ€Catalyzed Intermolecular Asymmetric Dearomatization of Î²â€Naphthols with Allyl Alcohols or Allyl Ethers. Angewandte Chemie - International Edition, 2017, 56, 3237-3241.	7.2	92
68	Iridiumâ€Catalyzed Intramolecular Asymmetric Allylic Dearomatization Reaction of Benzoxazoles, Benzothiazoles, and Benzimidazoles. Angewandte Chemie - International Edition, 2017, 56, 1530-1534.	7.2	49
69	Iridiumâ€Catalyzed Intramolecular Asymmetric Allylic Dearomatization Reaction of Benzoxazoles, Benzothiazoles, and Benzimidazoles. Angewandte Chemie, 2017, 129, 1552-1556.	1.6	14
70	Synthesis of Planar Chiral Ferrocenes via Transition-Metal-Catalyzed Direct Câ€“H Bond Functionalization. Accounts of Chemical Research, 2017, 50, 351-365.	7.6	254
71	Construction of Chiral Tetrahydroâ€Î²â€Carbolines: Asymmetric Pictetâ€“Spengler Reaction of Indolyl Dihydropyridines. Angewandte Chemie, 2017, 129, 7548-7551.	1.6	30
72	Construction of Chiral Tetrahydroâ€Î²â€Carbolines: Asymmetric Pictetâ€“Spengler Reaction of Indolyl Dihydropyridines. Angewandte Chemie - International Edition, 2017, 56, 7440-7443.	7.2	84

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73	Asymmetric Synthesis of Spiropyrazolones by Rhodiumâ€Catalyzed C(sp²)â"H Functionalization/Annulation Reactions. Angewandte Chemie - International Edition, 2017, 56, 4540-4544.	7.2	161
74	Iridiumâ€Catalyzed Asymmetric Allylic Dearomatization by a Desymmetrization Strategy. Angewandte Chemie - International Edition, 2017, 56, 15093-15097.	7.2	99
75	Chiral BrÃ¸nsted Acid Catalyzed Enantioselective aza-Friedelâ€"Crafts Reaction of Cyclic Î±-Diaryl N-Acyl Imines with Indoles. Journal of Organic Chemistry, 2017, 82, 8752-8760.	1.7	54
76	Iridiumâ€Catalyzed Asymmetric Allylic Dearomatization by a Desymmetrization Strategy. Angewandte Chemie, 2017, 129, 15289-15293.	1.6	24
77	Iridiumâ€Catalyzed Enantioselective Synthesis of Pyrroleâ€Annulated Mediumâ€Sizedâ€Ring Compounds. Angewandte Chemie - International Edition, 2017, 56, 10545-10548.	7.2	42
78	Catalytic Asymmetric Chlorinative Dearomatization Reaction of Benzofurans. Advanced Synthesis and Catalysis, 2016, 358, 2066-2071.	2.1	33
79	Catalytic Asymmetric Dearomatization by Transition-Metal Catalysis: A Method for Transformations of Aromatic Compounds. CheM, 2016, 1, 830-857.	5.8	446
80	Highly efficient synthesis and stereoselective migration reactions of chiral five-membered aza-spiroindolenines: scope and mechanistic understanding. Chemical Science, 2016, 7, 4453-4459.	3.7	80
81	Synthesis and Application of Chiral Spiro Cp Ligands in Rhodium-Catalyzed Asymmetric Oxidative Coupling of Biaryl Compounds with Alkenes. Journal of the American Chemical Society, 2016, 138, 5242-5245.	6.6	339
82	Dearomatization through Halofunctionalization Reactions. Chemistry - A European Journal, 2016, 22, 11918-11933.	1.7	135
83	A DFT Study on Rh-Catalyzed Asymmetric Dearomatization of 2-Naphthols Initiated with Câ€"H Activation: A Refined Reaction Mechanism and Origins of Multiple Selectivity. ACS Catalysis, 2016, 6, 262-271.	5.5	63
84	Asymmetric Dearomatization of Î²â€Naphthols through a Bifunctionalâ€Thioureaâ€Catalyzed Michael Reaction. Angewandte Chemie - International Edition, 2015, 54, 14929-14932.	7.2	98
85	Asymmetric Dearomatization of Naphthols via a Rh-Catalyzed C(sp²)â€"H Functionalization/Annulation Reaction. Journal of the American Chemical Society, 2015, 137, 4880-4883.	6.6	293
86	Asymmetric synthesis of syn-propargylamines and unsaturated Î²-amino acids under BrÃ¸nsted base catalysis. Nature Communications, 2015, 6, 8544.	5.8	65
87	Pd-Catalyzed Highly Enantioselective Synthesis of Planar Chiral Ferrocenylpyridine Derivatives. Organometallics, 2015, 34, 4618-4625.	1.1	64
88	Mechanistic Insights into the Pd-Catalyzed Intermolecular Asymmetric Allylic Dearomatization of Multisubstituted Pyrroles: Understanding the Remarkable Regio- and Enantioselectivity. Journal of the American Chemical Society, 2014, 136, 16251-16259.	6.6	64
89	Fe(OTf)₃ Catalyzed Annulation of 2,3â€Disubstituted Indoles with Aziridines. Chinese Journal of Chemistry, 2014, 32, 709-714.	2.6	18
90	Recent development of direct asymmetric functionalization of inert Câ€"H bonds. RSC Advances, 2014, 4, 6173.	1.7	532

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91	Transition-Metal-Catalyzed Asymmetric Allylic Dearomatization Reactions. Accounts of Chemical Research, 2014, 47, 2558-2573.	7.6	699
92	Catalytic C6 Functionalization of 2,3-Disubstituted Indoles by Scandium Triflate. Journal of Organic Chemistry, 2014, 79, 1047-1054.	1.7	71
93	A Combined Theoretical and Experimental Investigation into the Highly Stereoselective Migration of Spiroindolenines. Journal of Organic Chemistry, 2013, 78, 4357-4365.	1.7	71
94	Iridium-Catalyzed Allylic Alkylation Reaction with N-Aryl Phosphoramidite Ligands: Scope and Mechanistic Studies. Journal of the American Chemical Society, 2012, 134, 4812-4821.	6.6	182
95	Transfer hydrogenation with Hantzsch esters and related organic hydride donors. Chemical Society Reviews, 2012, 41, 2498.	18.7	521
96	Enantioselective Synthesis of Spiro Cyclopentaneâ€1,3â€²â€indoles and 2,3,4,9â€Tetrahydroâ€1Hâ€carbazoles by Iridiumâ€Catalyzed Allylic Dearomatization and Stereospecific Migration. Angewandte Chemie - International Edition, 2012, 51, 1680-1683.	7.2	245
97	Desymmetrization of Cyclohexadienones via BrÃ¸nsted Acid-Catalyzed Enantioselective Oxo-Michael Reaction. Journal of the American Chemical Society, 2010, 132, 4056-4057.	6.6	244
98	Highly Diastereo- and Enantioselective Synthesis of Quinuclidine Derivatives by an Iridium-Catalyzed Intramolecular Allylic Dearomatization Reaction. CCS Chemistry, 0, , 106-116.	4.6	52
99	Post-spin crossing dynamics determine the regioselectivity in open-shell singlet biradical recombination. Organic Chemistry Frontiers, 0, , .	2.3	3