Yonggui Robin Chi

List of Publications by Year
in descending order

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185 papers	10,806 citations	20759 60 h-index	39575 94 g-index
241 all docs	241 docs citations	241 times ranked	5460 citing authors

#	Article	IF	Citations
1	A Family of Metalâ€Organic Frameworks Exhibiting Sizeâ€Selective Catalysis with Encapsulated Nobleâ€Metal Nanoparticles. Advanced Materials, 2014, 26, 4056-4060.	11.1	396
2	Oxidative Î³-Addition of Enals to Trifluoromethyl Ketones: Enantioselectivity Control via Lewis Acid/N-Heterocyclic Carbene Cooperative Catalysis. Journal of the American Chemical Society, 2012, 134, 8810-8813.	6.6	345
3	One-Pot Multi-Component Asymmetric Cascade Reactions Catalyzed by Soluble Star Polymers with Highly Branched Non-Interpenetrating Catalytic Cores. Journal of the American Chemical Society, 2008, 130, 6322-6323.	6.6	273
4	Î²-Carbon activation of saturated carboxylic esters through N-heterocyclic carbene organocatalysis. Nature Chemistry, 2013, 5, 835-839.	6.6	263
5	Diphenylprolinol Methyl Ether:â€‰ A Highly Enantioselective Catalyst for Michael Addition of Aldehydes to Simple Enones. Organic Letters, 2005, 7, 4253-4256.	2.4	248
6	N-Heterocyclic Carbene-Catalyzed [3+4] Cycloaddition and Kinetic Resolution of Azomethine Imines. Journal of the American Chemical Society, 2014, 136, 1214-1217.	6.6	229
7	NHC Organocatalytic Formal LUMO Activation of Î±,Î²â€Unsaturated Esters for Reaction with Enamides. Angewandte Chemie - International Edition, 2013, 52, 8592-8596.	7.2	206
8	Enantioselective Organocatalytic Michael Additions of Aldehydes to Enones with Imidazolidinones:Â Cocatalyst Effects and Evidence for an Enamine Intermediate. Journal of the American Chemical Society, 2005, 127, 11598-11599.	6.6	201
9	Enantioselective Activation of Stable Carboxylate Esters as Enolate Equivalents via N-Heterocyclic Carbene Catalysts. Organic Letters, 2012, 14, 2154-2157.	2.4	197
10	Highly Enantioselective Addition of Enals to Isatin-Derived Ketimines Catalyzed by N-Heterocyclic Carbenes: Synthesis of Spirocyclic Î³-Lactams. Organic Letters, 2012, 14, 5412-5415.	2.4	185
11	<scp>Nâ€Heterocyclic</scp> Carbene Organocatalysis: Activation Modes and Typical Reactive Intermediates. Chinese Journal of Chemistry, 2020, 38, 1167-1202.	2.6	181
12	Functionalization of Benzylic C(sp³)ï£¿H Bonds of Heteroaryl Aldehydes through Nâ€Heterocyclic Carbene Organocatalysis. Angewandte Chemie - International Edition, 2013, 52, 11134-11137.	7.2	169
13	Enantioselective Organocatalytic Aminomethylation of Aldehydes:â€‰ A Role for Ionic Interactions and Efficient Access to Î²-Amino Acids. Journal of the American Chemical Society, 2006, 128, 6804-6805.	6.6	167
14	Enantioselective Organocatalytic Michael Addition of Aldehydes to Nitroethylene: Efficient Access to Î³²-Amino Acids. Journal of the American Chemical Society, 2008, 130, 5608-5609.	6.6	166
15	Enantioselective Oxidative Crossâ€Dehydrogenative Coupling of Tertiary Amines to Aldehydes. Angewandte Chemie - International Edition, 2012, 51, 3649-3652.	7.2	153
16	N-Heterocyclic Carbene-Catalyzed Radical Reactions for Highly Enantioselective Î²-Hydroxylation of Enals. Journal of the American Chemical Society, 2015, 137, 2416-2419.	6.6	153
17	Organocatalytic Enantioselective Î³-Aminoalkylation of Unsaturated Ester: Access to Pipecolic Acid Derivatives. Organic Letters, 2013, 15, 5028-5031.	2.4	147
18	Direct Î²â€Activation of Saturated Aldehydes to Formal Michael Acceptors through Oxidative NHC Catalysis. Angewandte Chemie - International Edition, 2013, 52, 8588-8591.	7.2	142

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19	Stereospecific Synthesis of Conformationally Constrained Î³-Amino Acids: New Foldamer Building Blocks That Support Helical Secondary Structure. Journal of the American Chemical Society, 2009, 131, 16018-16020.	6.6	135
20	Enantioselective Dielsâ€“Alder Reactions of Enals and Alkylidene Diketones Catalyzed by N-Heterocyclic Carbenes. Organic Letters, 2011, 13, 4708-4711.	2.4	129
21	Carbeneâ€Catalyzed Asymmetric Construction of Atropisomers. Angewandte Chemie - International Edition, 2021, 60, 26026-26037.	7.2	119
22	Access to P-Stereogenic Phosphinates via N-Heterocyclic Carbene-Catalyzed Desymmetrization of Bisphenols. Journal of the American Chemical Society, 2016, 138, 7524-7527.	6.6	114
23	Catalytic Activation of Carbohydrates as Formaldehyde Equivalents for Stetter Reaction with Enones. Journal of the American Chemical Society, 2013, 135, 8113-8116.	6.6	112
24	Enantioselective Stetter Reactions of Enals and Modified Chalcones Catalyzed by Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2011, 50, 11782-11785.	7.2	110
25	Metal and carbene organocatalytic relay activation of alkynes for stereoselective reactions. Nature Communications, 2014, 5, 3982.	5.8	110
26	Enantioselective Sulfonation of Enones with Sulfonyl Imines by Cooperative Nâ€Heterocyclicâ€Carbene/Thiourea/Tertiaryâ€Amine Multicatalysis. Angewandte Chemie - International Edition, 2013, 52, 12354-12358.	7.2	108
27	Direct Î±-Functionalization of Simple Aldehydes via Oxidative N-Heterocyclic Carbene Catalysis. Organic Letters, 2013, 15, 50-53.	2.4	107
28	Controlled Î²-protonation and [4+2] cycloaddition of enals and chalconesvia N-heterocyclic carbene/acid catalysis: toward substrate independent reaction control. Chemical Communications, 2013, 49, 261-263.	2.2	107
29	Aminomethylation of Enals through Carbene and Acid Cooperative Catalysis: Concise Access to Î²²â€Amino Acids. Angewandte Chemie - International Edition, 2015, 54, 5161-5165.	7.2	104
30	Carbonâ€“carbon bond activation of cyclobutenones enabled by the addition of chiral organocatalyst to ketone. Nature Communications, 2015, 6, 6207.	5.8	103
31	N-Heterocyclic Carbene-Catalyzed Î´-Carbon LUMO Activation of Unsaturated Aldehydes. Journal of the American Chemical Society, 2015, 137, 5658-5661.	6.6	102
32	N-Heterocyclic Carbene-Catalyzed Chemoselective Cross-Aza-Benzoin Reaction of Enals with Isatin-Derived Ketimines: Access to Chiral Quaternary Aminooxindoles. Organic Letters, 2014, 16, 3272-3275.	2.4	99
33	Access to Spirocyclic Oxindoles via N-Heterocyclic Carbene-Catalyzed Reactions of Enals and Oxindole-Derived Î±,Î²-Unsaturated Imines. Organic Letters, 2012, 14, 2382-2385.	2.4	97
34	Benzene construction via organocatalytic formal [3+3] cycloaddition reaction. Nature Communications, 2014, 5, 5027.	5.8	95
35	A Highly Regioâ€•and Stereoselective Cascade Annulation of Enals and Benzodi(enone)s Catalyzed by Nâ€Heterocyclic Carbenes. Angewandte Chemie - International Edition, 2011, 50, 1910-1913.	7.2	93
36	Access to Oxoquinoline Heterocycles by Nâ€Heterocyclic Carbene Catalyzed Ester Activation for Selective Reaction with an Enone. Angewandte Chemie - International Edition, 2014, 53, 6506-6510.	7.2	93

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37	Organocatalytic Activation of Alkylacetic Esters as Enolate Precursors to React with Î±,Î²-Unsaturated Imines. Organic Letters, 2013, 15, 4956-4959.	2.4	91
38	Polyhalides as Efficient and Mild Oxidants for Oxidative Carbene Organocatalysis by Radical Processes. Angewandte Chemie - International Edition, 2017, 56, 2942-2946.	7.2	91
39	Formal Dielsâ€“Alder Reactions of Chalcones and Formylcyclopropanes Catalyzed by Chiral N-Heterocyclic Carbenes. Organic Letters, 2011, 13, 5366-5369.	2.4	89
40	Green oxidation of indoles using halide catalysis. Nature Communications, 2019, 10, 4754.	5.8	89
41	Enantiomeric glycosylated cationic block co-beta-peptides eradicate Staphylococcus aureus biofilms and antibiotic-tolerant persisters. Nature Communications, 2019, 10, 4792.	5.8	88
42	Nâ€Heterocyclic Carbene Catalyzed Radical Coupling of Aldehydes with Redoxâ€Active Esters. Angewandte Chemie - International Edition, 2019, 58, 8628-8630.	7.2	88
43	Asymmetric Access to the Smallest Enolate Intermediate via Organocatalytic Activation of Acetic Ester. Organic Letters, 2013, 15, 5822-5825.	2.4	85
44	Enantioselective Intramolecular Formal [2 + 4] Annulation of Acrylates and Î±,Î²-Unsaturated Imines Catalyzed by Amino Acid Derived Phosphines. Organic Letters, 2012, 14, 3226-3229.	2.4	82
45	Nâ€Heterocyclic Carbeneâ€Catalyzed Atroposelective Annulation for Access to Thiazine Derivatives with Câ€“N Axial Chirality. Angewandte Chemie - International Edition, 2021, 60, 9362-9367.	7.2	81
46	Enantioselective Nucleophilic Î²â€Carbonâ€Atom Amination of Enals: Carbeneâ€Catalyzed Formal [3+2] Reactions. Angewandte Chemie - International Edition, 2016, 55, 12280-12284.	7.2	80
47	N-Heterocyclic Carbene Organocatalytic Reductive Î²,Î²-Coupling Reactions of Nitroalkenes via Radical Intermediates. Organic Letters, 2014, 16, 5678-5681.	2.4	79
48	Carbene-catalysed reductive coupling of nitrobenzyl bromides and activated ketones or imines via single-electron-transfer process. Nature Communications, 2016, 7, 12933.	5.8	78
49	Î²â€Functionalization of Carboxylic Anhydrides with Î²â€Alkyl Substituents through Carbene Organocatalysis. Angewandte Chemie - International Edition, 2014, 53, 13506-13509.	7.2	77
50	Practical Synthesis of Enantiomerically Pure Î²2-Amino Acids via Proline-Catalyzed Diastereoselective Aminomethylation of Aldehydes. Journal of the American Chemical Society, 2007, 129, 6050-6055.	6.6	75
51	Carbene-Catalyzed Dynamic Kinetic Resolution of Carboxylic Esters. Journal of the American Chemical Society, 2016, 138, 7212-7215.	6.6	75
52	Carbene-Catalyzed Alkylation of Carboxylic Esters via Direct Photoexcitation of Acyl Azolium Intermediates. ACS Catalysis, 2021, 11, 2925-2934.	5.5	73
53	Gold and Carbene Relay Catalytic Enantioselective Cycloisomerization/Cyclization Reactions of Ynamides and Enals. Angewandte Chemie - International Edition, 2020, 59, 1557-1561.	7.2	69
54	Addition of Indoles to Oxyallyl Cations for Facile Access to Î±-Indole Carbonyl Compounds. Organic Letters, 2012, 14, 1922-1925.	2.4	68

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55	Facile Access to Chiral Ketones through Metalâ€Free Oxidative Cï¿¿C Bond Cleavage of Aldehydes by O₂. Angewandte Chemie - International Edition, 2012, 51, 1911-1914.	7.2	68
56	cis-Enals in N-heterocyclic carbene-catalyzed reactions: distinct stereoselectivity and reactivity. Chemical Science, 2013, 4, 2613.	3.7	67
57	Cycloaddition of cyclobutenone and azomethine imine enabled by chiral isothiourea organic catalysts. Chemical Science, 2015, 6, 6008-6012.	3.7	66
58	Sulfinate and Carbene Coâ€catalyzed Rauhutâ€“Currier Reaction for Enantioselective Access to Azepino[1,2â€a]indoles. Angewandte Chemie - International Edition, 2019, 58, 477-481.	7.2	63
59	A Glycosylated Cationic Block Poly(Î²â€peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gramâ€Negative Bacteria. Angewandte Chemie - International Edition, 2020, 59, 6819-6826.	7.2	63
60	Siteâ€Selective Catalysis of a Multifunctional Linear Molecule: The Steric Hindrance of Metalâ€“Organic Framework Channels. Advanced Materials, 2018, 30, e1800643.	11.1	62
61	Access to Allâ€Carbon Spirocycles through a Carbene and Thiourea Cocatalytic Desymmetrization Cascade Reaction. Angewandte Chemie - International Edition, 2019, 58, 1784-1788.	7.2	57
62	A reaction mode of carbene-catalysed aryl aldehyde activation and induced phenol OH functionalization. Nature Communications, 2017, 8, 15598.	5.8	55
63	Construction of Fused Pyrrolidines and Î²â€Lactones by Carbeneâ€Catalyzed Cå^'N, Cå^'C, and Cå^'O Bond Formations. Angewandte Chemie - International Edition, 2017, 56, 4201-4205.	7.2	55
64	Control of Aldol Reaction Pathways of Enolizable Aldehydes in an Aqueous Environment with a Hyperbranched Polymeric Catalyst. Journal of the American Chemical Society, 2008, 130, 17287-17289.	6.6	54
65	Carbeneâ€Catalyzed Desymmetrization and Direct Construction of Arenes with Allâ€Carbon Quaternary Chiral Center. Angewandte Chemie - International Edition, 2019, 58, 15778-15782.	7.2	53
66	Carbene and photocatalyst-catalyzed decarboxylative radical coupling of carboxylic acids and acyl imidazoles to form ketones. Nature Communications, 2022, 13, .	5.8	53
67	Carbene-Catalyzed Atroposelective Annulation and Desymmetrization of Urazoles. Organic Letters, 2021, 23, 3991-3996.	2.4	50
68	Carbene-catalyzed atroposelective synthesis of axially chiral styrenes. Nature Communications, 2022, 13, 84.	5.8	46
69	Polarityâ€Directed Oneâ€Pot Asymmetric Cascade Reactions Mediated by Two Catalysts in an Aqueous Buffer. Angewandte Chemie - International Edition, 2010, 49, 2393-2396.	7.2	44
70	Prediction of NHC-catalyzed chemoselective functionalizations of carbonyl compounds: a general mechanistic map. Chemical Science, 2020, 11, 7214-7225.	3.7	44
71	Carbeneâ€Catalyzed Enantioselective Aromatic Nâ€Nucleophilic Addition of Heteroarenes to Ketones. Angewandte Chemie - International Edition, 2020, 59, 442-448.	7.2	43
72	Nucleophilic Î²â€Carbon Activation of Propionic Acid as a 3â€Carbon Synthon by Carbene Organocatalysis. Chemistry - A European Journal, 2015, 21, 9360-9363.	1.7	42

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73	Carbene and Acid Cooperative Catalytic Reactions of Aldehydes and o-Hydroxybenzhydryl Amines for Highly Enantioselective Access to Dihydrocoumarins. Organic Letters, 2017, 19, 5892-5895.	2.4	42
74	Carbene-catalyzed LUMO activation of alkyne esters for access to functional pyridines. Chemical Communications, 2017, 53, 13359-13362.	2.2	41
75	Asymmetric Threeâ€Component Heck Arylation/Amination of Nonconjugated Cyclodienes. Angewandte Chemie - International Edition, 2020, 59, 5341-5345.	7.2	40
76	NHC-catalyzed covalent activation of heteroatoms for enantioselective reactions. Chemical Science, 2021, 12, 5037-5043.	3.7	40
77	Catalytic atroposelective synthesis of axially chiral benzonitriles via chirality control during bond dissociation and CN group formation. Nature Communications, 2022, 13, 36.	5.8	39
78	Addition of N-Heterocyclic Carbene Catalyst to Aryl Esters Induces Remote Câ€“Si Bond Activation and Benzylic Carbon Functionalization. Organic Letters, 2018, 20, 333-336.	2.4	38
79	A Rapid 1H NMR Assay for Enantiomeric Excess of Î±-Substituted Aldehydes. Organic Letters, 2005, 7, 3469-3472.	2.4	37
80	NHC-catalyzed reactions of enals with water as a solvent. Green Chemistry, 2013, 15, 1505.	4.6	37
81	Carbene-Catalyzed Î±-Carbon Amination of Chloroaldehydes for Enantioselective Access to Dihydroquinoxaline Derivatives. Organic Letters, 2019, 21, 4340-4344.	2.4	37
82	Catalytic asymmetric acetalization of carboxylic acids for access to chiral phthalidyl ester prodrugs. Nature Communications, 2019, 10, 1675.	5.8	37
83	N-heterocyclic carbene-catalyzed arene formation reactions. Science China Chemistry, 2022, 65, 210-223.	4.2	37
84	Oxidative Nâ€Heterocyclic Carbeneâ€Catalyzed Î³â€Carbon Addition of Enals to Imines: Mechanistic Studies and Access to Antimicrobial Compounds. Chemistry - A European Journal, 2015, 21, 9984-9987.	1.7	36
85	Enantioselective Intermolecular Heck and Reductive Heck Reactions of Aryl Triflates, Mesylates, and Tosylates Catalyzed by Nickel. Angewandte Chemie - International Edition, 2021, 60, 2828-2832.	7.2	36
86	Carbeneâ€Catalyzed Enantioselective Hydrophosphination of Î±â€Bromoenals to Prepare Phosphineâ€Containing Chiral Molecules. Angewandte Chemie - International Edition, 2021, 60, 26616-26621.	7.2	36
87	Carbene-catalyzed desymmetrization of 1,3-diols: access to optically enriched tertiary alkyl chlorides. Chemical Communications, 2016, 52, 8313-8316.	2.2	34
88	Carbene-Catalyzed Reductive Coupling of Nitrobenzyl Bromide and Nitroalkene via the Single-Electron-Transfer (SET) Process and Formal 1,4-Addition. Organic Letters, 2017, 19, 632-635.	2.4	33
89	Enantioselective Indole Nâ€“H Functionalization Enabled by Addition of Carbene Catalyst to Indole Aldehyde at Remote Site. ACS Catalysis, 2019, 9, 10971-10976.	5.5	33
90	NHCâ€Catalyzed Chemoselective Reactions of Enals and Aminobenzaldehydes for Access to Chiral Dihydroquinolines. Angewandte Chemie - International Edition, 2019, 58, 18410-18413.	7.2	32

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91	Chiral Nitroarenes as Enantioselective Single-Electron-Transfer Oxidants for Carbene-Catalyzed Radical Reactions. Organic Letters, 2019, 21, 7440-7444.	2.4	32
92	Rapid access to bicyclic Î´-lactones via carbene-catalyzed activation and cascade reaction of unsaturated carboxylic esters. Organic Chemistry Frontiers, 2016, 3, 145-149.	2.3	31
93	Direct Activation of Î²-sp³-Carbons of Saturated Carboxylic Esters as Electrophilic Carbons via Oxidative Carbene Catalysis. Organic Letters, 2018, 20, 260-263.	2.4	31
94	Designer broad-spectrum polyimidazolium antibiotics. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31376-31385.	3.3	31
95	NHC-Catalyzed Ester Activation: Access to Sterically Congested Spirocyclic Oxindoles via Reaction of Î±-Aryl Esters and Unsaturated Imines. Synlett, 2013, 24, 1197-1200.	1.0	30
96	Asymmetric Wackerâ€Type Oxyallenylation and Azaallenylation of Cyclic Alkenes. Angewandte Chemie - International Edition, 2020, 59, 2246-2250.	7.2	30
97	Carbene-Catalyzed Formal [5 + 5] Reaction for Coumarin Construction and Total Synthesis of Defucogilvocarcins. Organic Letters, 2017, 19, 6188-6191.	2.4	29
98	Carbene-Catalyzed Enantioselective Addition of Thioamides to Bromoenals for Access to Thiazinone Heterocycles. Organic Letters, 2019, 21, 9493-9496.	2.4	29
99	Polyhalides as Efficient and Mild Oxidants for Oxidative Carbene Organocatalysis by Radical Processes. Angewandte Chemie, 2017, 129, 2988-2992.	1.6	28
100	Sulfoxidation of alkenes and alkynes with NFSI as a radical initiator and selective oxidant. Chemical Communications, 2017, 53, 184-187.	2.2	28
101	Access to pyridines via DMAP-catalyzed activation of Î±-chloro acetic ester to react with unsaturated imines. Organic Chemistry Frontiers, 2014, 1, 148-150.	2.3	27
102	Engineering channels of metalâ€“organic frameworks to enhance catalytic selectivity. Chemical Communications, 2019, 55, 11770-11773.	2.2	27
103	Hydrodehalogenation of Aryl Halides through Direct Electrolysis. Chemistry - A European Journal, 2019, 25, 6911-6914.	1.7	27
104	Enantioselective access to multi-cyclic Î±-amino phosphonates via carbene-catalyzed cycloaddition reactions between enals and six-membered cyclic imines. Organic Chemistry Frontiers, 2018, 5, 2992-2996.	2.3	26
105	Carbene-Catalyzed Î±,Î³-Deuteration of Enals under Oxidative Conditions. ACS Catalysis, 2020, 10, 5475-5482.	5.5	26
106	Enantioselective Nucleophilic Î²â€Carbonâ€Atom Amination of Enals: Carbeneâ€Catalyzed Formal [3+2] Reactions. Angewandte Chemie, 2016, 128, 12468-12472.	1.6	25
107	Carbene-Catalyzed Indole 3-Methyl C(sp³)â€“H Bond Functionalization. Journal of Organic Chemistry, 2017, 82, 13342-13347.	1.7	25
108	Enantioselective Threeâ€Component Coupling of Heteroarenes, Cycloalkenes and Propargylic Acetates. Angewandte Chemie - International Edition, 2021, 60, 4491-4495.	7.2	25

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109	Carbene-Catalyzed Enantioselective Sulfonylation of Enone Aryl Aldehydes: A New Mode of Breslow Intermediate Oxidation. Journal of the American Chemical Society, 2022, 144, 5441-5449.	6.6	25
110	Carbeneâ€Catalyzed Activation of Remote Nitrogen Atoms of (Benz)imidazoleâ€Derived Aldimines for Enantioselective Synthesis of Heterocycles. Angewandte Chemie - International Edition, 2021, 60, 7906-7912.	7.2	24
111	Green and Rapid Access to Benzocoumarins via Direct Benzene Construction through Baseâ€Mediated Formal [4+2] Reaction and Air Oxidation. Advanced Synthesis and Catalysis, 2016, 358, 707-712.	2.1	23
112	Carbene-Catalyzed Enantioselective Addition of Benzylic Carbon to Unsaturated Acyl Azolium for Rapid Synthesis of Pyrrolo[3,2-c]quinolines. ACS Catalysis, 2018, 8, 9859-9864.	5.5	23
113	Kinetic Resolution of 1,2-Diols via NHC-Catalyzed Site-Selective Esterification. Organic Letters, 2018, 20, 3447-3450.	2.4	23
114	NHC-Catalyzed Cascade Reaction between Î²-Methyl Enals and Dienones for Quick Construction of Complex Multicyclic Lactones. Organic Letters, 2020, 22, 2595-2599.	2.4	23
115	Asymmetric Reductive and Alkynylative Heck Bicyclization of Enynes to Access Conformationally Restricted Aza[3.1.0]bicycles. Angewandte Chemie - International Edition, 2020, 59, 10814-10818.	7.2	23
116	Synthesis of 4,4-Disubstituted 2-Aminocyclopentanecarboxylic Acid Derivatives and Their Incorporation into 12-Helical Î²-Peptides. Organic Letters, 2004, 6, 4411-4414.	2.4	22
117	Carbene-catalyzed enantioselective oxidative coupling of enals and di(hetero)arylmethanes. Chemical Science, 2018, 9, 8711-8715.	3.7	22
118	Carbeneâ€Catalyzed Desymmetrization and Direct Construction of Arenes with Allâ€Carbon Quaternary Chiral Center. Angewandte Chemie, 2019, 131, 15925-15929.	1.6	22
119	Carbeneâ€Catalyzed Dynamic Kinetic Resolution and Asymmetric Acylation of Hydroxyphthalides and Related Natural Products. Angewandte Chemie - International Edition, 2020, 59, 3859-3863.	7.2	22
120	Access to Planar Chiral Ferrocenes via N-Heterocyclic Carbene-Catalyzed Enantioselective Desymmetrization Reactions. ACS Catalysis, 2022, 12, 2706-2713.	5.5	22
121	Construction of Multiâ€Substituted Benzenes via NHCâ€Catalyzed Reactions of Carboxylic Esters. Chinese Journal of Chemistry, 2018, 36, 333-337.	2.6	21
122	Enantio- and Diastereoselective Synthesis of Chromeno[4,3-b]pyrrole Derivatives Bearing Tetrasubstituted Chirality Centers through Carbene Catalyzed Cascade Reactions. Organic Letters, 2020, 22, 326-330.	2.4	21
123	Nâ€Heterocyclic Carbeneâ€Catalyzed Atroposelective Annulation for Access to Thiazine Derivatives with Câ^'N Axial Chirality. Angewandte Chemie, 2021, 133, 9448-9453.	1.6	21
124	Carbeneâ€Catalyzed Asymmetric Construction of Atropisomers. Angewandte Chemie, 2021, 133, 26230-26241.	1.6	21
125	Development of green and low-cost chiral oxidants for asymmetric catalytic hydroxylation of enals. Green Synthesis and Catalysis, 2021, 2, 295-298.	3.7	21
126	BrÃ¸nsted Acid Catalyzed Î±â€Alkylation of Aldehydes with Diaryl Methyl Alcohols. Chemistry - A European Journal, 2011, 17, 12272-12275.	1.7	20

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127	Synthesis of indanes via carbene-catalyzed single-electron-transfer processes and cascade reactions. Chemical Communications, 2017, 53, 11952-11955.	2.2	19
128	Carbene-catalyzed activation of cyclopropylcarbaldehydes for mannich reaction and Î´-lactam formation: remote enantioselecitvity control and dynamic kinetic asymmetric transformation. Science China Chemistry, 2021, 64, 985-990.	4.2	19
129	Trifluoromethylpyridine: An Important Active Fragment for the Discovery of New Pesticides. Journal of Agricultural and Food Chemistry, 2022, 70, 11019-11030.	2.4	19
130	Construction of Tetrasubstituted Silicon-Stereogenic Silanes via Conformational Isomerization and N-Heterocyclic Carbene-Catalyzed Desymmetrization. ACS Catalysis, 2022, 12, 7781-7788.	5.5	19
131	Carbene-Catalyzed [4 + 2] Cycloadditions of Vinyl Enolate and (in Situ Generated) Imines for Enantioselective Synthesis of Quaternary Î±-Amino Phosphonates. Organic Letters, 2018, 20, 5969-5972.	2.4	18
132	Carbene-Catalyzed Reaction of Indolyl Methylenemalononitriles and Enals for Access to Complex Tetrahydrocarbazoles. Organic Letters, 2020, 22, 2542-2547.	2.4	18
133	Access to Optically Enriched Î±-Aryloxycarboxylic Esters via Carbene-Catalyzed Dynamic Kinetic Resolution and Transesterification. Organic Letters, 2020, 22, 3335-3338.	2.4	18
134	Carbene-catalyzed enal Î³-carbon addition to Î±-ketophosphonates for enantioselective access to bioactive 2-pyranylphosphonates. Chemical Communications, 2018, 54, 6040-6043.	2.2	17
135	Sulfone-Based Probes Unraveled Dihydrolipoamide S-Succinyltransferase as an Unprecedented Target in Phytopathogens. Journal of Agricultural and Food Chemistry, 2019, 67, 6962-6969.	2.4	17
136	Gold and Carbene Relay Catalytic Enantioselective Cycloisomerization/Cyclization Reactions of Ynamides and Enals. Angewandte Chemie, 2020, 132, 1573-1577.	1.6	16
137	Access to Alleneâ€Containing Molecules via Enantioselective Reactions of Azolium Cumulenolate Intermediates. Angewandte Chemie - International Edition, 2021, 60, 14817-14823.	7.2	16
138	Carbene-catalyzed selective addition of isothioureas to enals for access to sulphur-containing 5,6-dihyropyrimidin-4-ones. Organic Chemistry Frontiers, 2021, 8, 743-747.	2.3	15
139	Carbeneâ€Catalyzed Enantioselective Aldol Reaction: Postâ€Aldol Stereochemistry Control and Formation of Quaternary Stereogenic Centers. Angewandte Chemie - International Edition, 2021, 60, 159-165.	7.2	15
140	Access to Allâ€Carbon Spirocycles through a Carbene and Thiourea Cocatalytic Desymmetrization Cascade Reaction. Angewandte Chemie, 2019, 131, 1798-1802.	1.6	14
141	Carbene-catalyzed enantioselective annulation of dinucleophilic hydrazones and bromoenals for access to aryl-dihydropyridazinones and related drugs. Chemical Science, 2021, 12, 8778-8783.	3.7	14
142	Construction of Fused Pyrrolidines and Î²â€Lactones by Carbeneâ€Catalyzed Cå^'N, Cå^'C, and Cå^'O Bond Formations. Angewandte Chemie, 2017, 129, 4265-4269.	1.6	13
143	Sulfinate and Carbene Coâ€catalyzed Rauhutâ€"Currier Reaction for Enantioselective Access to Azepino[1,2â€a]indoles. Angewandte Chemie, 2019, 131, 487-491.	1.6	13
144	NaOH-Promoted Chemoselective Cascade Cyclization of Cyclopropyl Esters with Unsaturated Imines: Access to Bioactive Cyclopenta[c]pyridine Derivatives. Organic Letters, 2019, 21, 6624-6627.	2.4	13

#	Article	IF	Citations
145	Efficient Access to 2â€Pyrones via Carbeneâ€Catalyzed Oxidative [3+3] Reactions between Enals and Nitrogen Ylides. Asian Journal of Organic Chemistry, 2019, 8, 1067-1070.	1.3	13
146	Carbeneâ€Catalyzed Enantioselective Aromatic Nâ€Nucleophilic Addition of Heteroarenes to Ketones. Angewandte Chemie, 2020, 132, 450-456.	1.6	13
147	Trimerization of enones under air enabled by NHC/NaOtBu via a SET radical pathway. Organic Chemistry Frontiers, 2017, 4, 467-471.	2.3	12
148	Nâ€heterocyclische Carbene katalysieren die radikalische Kupplung von Aldehyden mit redoxaktiven Estern. Angewandte Chemie, 2019, 131, 8720-8722.	1.6	12
149	Addition of a Carbene Catalyst to Indole Aryl Aldehyde Activates a Remote Î´-sp2 Carbon for Protonation and Formal [4+2] Reaction. Organic Letters, 2019, 21, 5026-5029.	2.4	12
150	Chemo-selective cross reaction of two enals via carbene-catalyzed dual activation. Chemical Science, 2020, 11, 12533-12539.	3.7	11
151	A Glycosylated Cationic Block Poly(Î²â€peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gramâ€Negative Bacteria. Angewandte Chemie, 2020, 132, 6886-6893.	1.6	11
152	Carbeneâ€Catalyzed Activation of Remote Nitrogen Atoms of (Benz)imidazoleâ€Derived Aldimines for Enantioselective Synthesis of Heterocycles. Angewandte Chemie, 2021, 133, 7985-7991.	1.6	11
153	Nickel-catalyzed Heck reaction of cycloalkenes using aryl sulfonates and pivalates. Chemical Communications, 2021, 57, 3933-3936.	2.2	11
154	Programmable selective acylation of saccharides mediated by carbene and boronic acid. CheM, 2022, 8, 1518-1534.	5.8	11
155	Asymmetric Wackerâ€Type Oxyallenylation and Azaallenylation of Cyclic Alkenes. Angewandte Chemie, 2020, 132, 2266-2270.	1.6	10
156	Umpolung of donorâ€“acceptor cyclopropanesviaN-heterocyclic carbene organic catalysis. Organic Chemistry Frontiers, 2021, 8, 5105-5111.	2.3	10
157	Carbeneâ€Catalyzed Direct Functionalization of the Î²â€sp³â€Carbon Atoms of Î±â€Chloroaldehydes. Chemistry - A European Journal, 2019, 25, 12719-12723.	1.7	9
158	NHCâ€Catalyzed Chemoselective Reactions of Enals and Aminobenzaldehydes for Access to Chiral Dihydroquinolines. Angewandte Chemie, 2019, 131, 18581-18584.	1.6	9
159	Asymmetric Threeâ€Component Heck Arylation/Amination of Nonconjugated Cyclodienes. Angewandte Chemie, 2020, 132, 5379-5383.	1.6	9
160	Nickel-catalyzed enantioselective umpolung hydrogenation for stereoselective synthesis of Î²-amido esters. Chemical Communications, 2021, 57, 11501-11504.	2.2	9
161	Carbeneâ€Catalyzed Formal [3+3] Cycloaddition Reaction for Access to Substituted 2â€Phenylbenzothiazoles. European Journal of Organic Chemistry, 2020, 2020, 492-495.	1.2	8
162	Asymmetric Reductive and Alkynylative Heck Bicyclization of Enynes to Access Conformationally Restricted Aza[3.1.0]bicycles. Angewandte Chemie, 2020, 132, 10906-10910.	1.6	8

#	Article	IF	Citations
163	Desymmetrization of Cyclic 1,3-Diketones under N -Heterocyclic Carbene Organocatalysis: Access to Organofluorines with Multiple Stereogenic Centers. Research, 2021, 2021, 9867915.	2.8	8
164	Carbeneâ€Catalyzed Activation of Câˆ’Si Bonds for Chemoâ€•and Enantioselective Cross Brookâ€“Benzoin Reaction. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
165	Enantioselective Intermolecular Heck and Reductive Heck Reactions of Aryl Triflates, Mesylates, and Tosylates Catalyzed by Nickel. Angewandte Chemie, 2021, 133, 2864-2868.	1.6	7
166	Asymmetric Domino Heck Arylation and Alkylation of Nonconjugated Dienes: Double Câ€“FÂ·Â·Â·Sodium Attractive Noncovalent Interaction. Organic Letters, 2021, 23, 7064-7068.	2.4	7
167	Carbene-Catalyzed Activation of Formyl-phenylacetic Esters for Access to Chiral Dihydroisoquinolinones. Organic Letters, 2021, 23, 7513-7517.	2.4	6
168	New Axially Chiral Molecular Scaffolds with Antibacterial Activities against Xanthomonas oryzae pv. oryzae for Protection of Rice. Journal of Agricultural and Food Chemistry, 2022, 70, 6050-6058.	2.4	6
169	Theoretical Study of Nâ€Heterocyclic Carbenesâ€Catalyzed Cascade Annulation of Benzodienones and Enals. Chirality, 2013, 25, 521-528.	1.3	5
170	Assembly of multicyclic isoquinoline scaffolds from pyridines: formal total synthesis of fredericamycin A. Chemical Science, 2021, 12, 10259-10265.	3.7	5
171	Access to Alleneâ€Containing Molecules via Enantioselective Reactions of Azolium Cumulenolate Intermediates. Angewandte Chemie, 2021, 133, 14943-14949.	1.6	5
172	Carbeneâ€Catalyzed Enantioselective HydrophosphinationÂof aâ€Bromoenals to Prepare Phosphineâ€Containing Chiral Molecules. Angewandte Chemie, 0, , .	1.6	5
173	Access to Cyclic Î²â€Amino Acids by Amineâ€Catalyzed Enantioselective Addition of the Î³â€Carbon Atoms of Î±,Î²â€Unsaturated Imines to Enals. Angewandte Chemie - International Edition, 2019, 58, 17189-17193.	7.2	4
174	N-Heterocyclic carbene catalyzed C-acylation reaction for access to linear aminoenones. Chinese Chemical Letters, 2023, 34, 107570.	4.8	4
175	Enantioselective Dual Catalysis of Nâ€Heterocyclic Carbene and Hydrogenâ€Bond Donor Organocatalysts. European Journal of Organic Chemistry, 2022, 2022, .	1.2	4
176	Carbeneâ€Catalyzed Dynamic Kinetic Resolution and Asymmetric Acylation of Hydroxyphthalides and Related Natural Products. Angewandte Chemie, 2020, 132, 3887-3891.	1.6	3
177	Carbeneâ€Catalyzed Enantioselective Aldol Reaction: Postâ€Aldol Stereochemistry Control and Formation of Quaternary Stereogenic Centers. Angewandte Chemie, 2021, 133, 161-167.	1.6	3
178	Enantioselective modification of sulfonamides and sulfonamide-containing drugs via carbene organic catalysis. Organic Chemistry Frontiers, 2021, 8, 2413-2419.	2.3	3
179	Access to Cyclic Î²â€Amino Acids by Amineâ€Catalyzed Enantioselective Addition of the Î³â€Carbon Atoms of Î±,Î²â€Unsaturated Imines to Enals. Angewandte Chemie, 2019, 131, 17349-17353.	1.6	2
180	Enantioselective Threeâ€Component Coupling of Heteroarenes, Cycloalkenes and Propargylic Acetates. Angewandte Chemie, 2021, 133, 4541-4545.	1.6	2

#	Article	IF	Citations
181	Carbeneâ€Catalyzed N , N â€Nucleophilic Activation of Thioureas for Access to Pyrimidinthione Derivatives. Asian Journal of Organic Chemistry, 2021, 10, 1090-1093.	1.3	2
182	N-Heterocyclic carbene catalyzed aza-benzoin reaction for access to Î±-aminoketone molecules containing benzothiazole fragments. Tetrahedron, 2021, 94, 132311.	1.0	2
183	Enantioselective Organocatalytic Michael Additions of Aldehydes to Enones with Imidazolidinones: Cocatalyst Effects and Evidence for an Enamine Intermediate.. ChemInform, 2005, 36, no.	0.1	0
184	Diphenylprolinol Methyl Ether: A Highly Enantioselective Catalyst for Michael Addition of Aldehydes to Simple Enones.. ChemInform, 2006, 37, no.	0.1	0
185	Carbeneâ€Catalyzed Activation of Câ€Si Bonds for Chemoâ€and Enantioselective Cross Brookâ€Benzoin Reaction. Angewandte Chemie, 0, , .	1.6	0