

Ying Cheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Sequential Ag(I) Salt and Chiral N-Heterocyclic Carbene Catalysis Enables Enantioselective and Diastereoselective Construction of Complex Heterocyclic Molecules and the Switch of Stereoselectivity. <i>Journal of Organic Chemistry</i> , 2022, 87, 2779-2796.	3.2	4
2	Construction of novel bridged aromatic ring-fused oxazocine frameworks via an N-heterocyclic carbene-catalyzed azabenzoin reaction and radical-initiated cascade cyclization. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4192-4201.	4.5	2
3	Asymmetric Synthesis of Multifunctionalized 2,3-Benzodiazepines by a One-Pot N-heterocyclic Carbene/Chiral Palladium Sequential Catalysis. <i>Journal of Organic Chemistry</i> , 2020, 85, 612-621.	3.2	12
4	Synthesis of β -Corona[6]arenes for Selective Anion Binding: Interdependent and Synergistic Anion π and Hydrogen Bond Interactions. <i>Angewandte Chemie</i> , 2020, 132, 23924-23931.	2.0	6
5	Construction of enantiopure imine bridged benzo[<i>a</i>]azepinones by a silver and chiral N-heterocyclic carbene multicatalytic reaction sequence of <i>N</i> -(2-alkynylbenzylidene)hydrazides and cyclopropanecarbaldehydes. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3459-3467.	4.5	11
6	Synthesis of β -Corona[6]arenes for Selective Anion Binding: Interdependent and Synergistic Anion π and Hydrogen Bond Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23716-23723.	13.8	25
7	Construction of Complex Bisether-Bridged Medium-Sized Cyclic Compounds from <i>o</i> -(1-(Acyloxy)propargyl)benzaldehydes under Base and Acid Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 11114-11124.	3.2	3
8	<i>N</i> -Heterocyclic Carbene/Palladium Cascade Catalysis: Construction of 2,2-Disubstituted Benzofuranones from the Reaction of 3-(2-Formylphenoxy)propenoates with Allylic Esters. <i>Journal of Organic Chemistry</i> , 2018, 83, 1913-1923.	3.2	18
9	Selective Synthesis of Multifunctionalized 2,3-Dihydroinden-1-ones and 1,3-Dihydroisobenzofurans from the Reaction of <i>o</i> -Alkynylbenzaldehydes with Imines Steered by N-Heterocyclic Carbene/Copper(II) and N-Heterocyclic Carbene/Base Cascade Catalysis. <i>Journal of Organic Chemistry</i> , 2018, 83, 8971-8983.	3.2	16
10	The Reaction of 2-Aroylvinylcinnamaldehydes with Aromatic Aldehydes by Dual Catalysis with a Chiral N-Heterocyclic Carbene and a Lewis Acid: Enantioselective Construction of Tetrahydroindeno[1,2- <i>c</i>]furan-1-ones. <i>Journal of Organic Chemistry</i> , 2016, 81, 8276-8286.	3.2	15
11	<i>N</i> -Heterocyclic Carbene/Lewis Acid Dual Catalysis for the Divergent Construction of Enantiopure Bridged Lactones and Fused Indenes. <i>Journal of Organic Chemistry</i> , 2016, 81, 11871-11881.	3.2	8
12	Chiral N-heterocyclic carbene/Lewis acid cooperative catalysis of the reaction of 2-arylvinylicinnamaldehydes: a switch of the reaction pathway by Lewis acid activation. <i>Chemical Communications</i> , 2016, 52, 788-791.	4.1	26
13	N-Heterocyclic Carbene-Catalyzed Oxidative Annulations of $\hat{1},\hat{2}$ -Unsaturated Aldehydes with Hydrazones: Selective Synthesis of Optically Active 4,5-Dihydropyridazin-3-ones and Pyridazin-3-ones. <i>Journal of Organic Chemistry</i> , 2015, 80, 6350-6359.	3.2	34
14	N-Heterocyclic Carbene-Catalyzed Diastereoselective and Enantioselective Reaction of 2-Aroylvinylcinnamaldehydes with $\hat{1},\hat{2}$ -Unsaturated Imines: Complete Control and Switch of Diastereoselectivity by <i>N</i> -Substituents of Catalysts. <i>Journal of Organic Chemistry</i> , 2015, 80, 1727-1734.	3.2	18
15	Changing Reaction Pathways of the Dimerization of 2-Formylcinnamates by N-Heterocyclic Carbene/Lewis Acid Cooperative Catalysis: An Unusual Cleavage of the Carbon-Carbon Bond. <i>Organic Letters</i> , 2014, 16, 5520-5523.	4.6	21
16	N-Heterocyclic carbene-catalyzed cascade reaction of 2-arylvinylicinnamaldehydes with 2-arylvinylichalcones: rapid assembly of six contiguous stereogenic centers with high diastereoselectivity. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 123-131.	2.8	11
17	N-Heterocyclic Carbene/Brønsted Base Cascade Catalysis: Base-Controlled Selective Synthesis of Multifunctional Benzofuranones or Flavone Derivatives from the Reaction of 3-(2-Formylphenoxy)propenoates with Imines. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2580-2590.	4.3	18
18	Changing the Reaction Pathway by NHC/Brønsted Base Cooperative Catalysis: Highly Stereoselective Synthesis of Multifunctional Benzo[<i>a</i>]fluoren-11-ones from the Dimerization of 2-(Aroylvinyl)arylaldehydes. <i>Journal of Organic Chemistry</i> , 2014, 79, 2075-2081.	3.2	24

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19	The reaction of $\hat{\text{I}}^2$ -lactam carbenes with 3,6-di(2-pyrimidinyl)tetrazine: regulating products by reaction conditions. <i>Tetrahedron</i> , 2013, 69, 10279-10283.	1.9	8
20	A versatile method for the synthesis of heterocyclic ring-fused 1,2-oxazinones from the NHC-catalyzed reactions of 2-arylvinyllaldehydes with nitrosoarenes. <i>Tetrahedron</i> , 2013, 69, 888-894.	1.9	16
21	N-Heterocyclic Carbene Catalyzed Reaction of 2-(2-Aroylvinyl)cinnamaldehydes with $\hat{\text{I}}^2$ -Unsaturated Imines: An Efficient Method for the Stereoselective Synthesis of Highly Functionalized Indane Derivatives. <i>Synthesis</i> , 2013, 46, 87-95.	2.3	3
22	NHC Brønsted base-catalyzed transformations of isochromene derivatives: regulation of products by the structures of carbene catalysts. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9079.	2.8	17
23	N-Heterocyclic carbene-catalyzed cascade annulation reaction of o-vinyllaldehydes with nitrosoarenes: one-step assembly of functionalized 2,3-benzoxazin-4-ones. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 4088.	2.8	26
24	One-Step Formation both of C–N and of C–O Bonds of α -Alkoxyamides through NHC-Catalyzed Three-Component Reactions of Enals, Nitrosoarenes, and Enones. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 4982-4987.	2.4	7
25	The reaction of $\hat{\text{I}}^2$ -lactam carbenes with 3,6-dipyridyltetrazines: switch of reaction pathways by 2-pyridyl and 4-pyridyl substituents of tetrazines. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 970-977.	2.8	11
26	Interaction of $\hat{\text{I}}^2$ -Lactam Carbenes with 3,6-Diphenyltetrazines: A Five-Step Cascade Reaction for the Direct Construction of Indeno[2,1-b]pyrrol-2-ones. <i>Journal of Organic Chemistry</i> , 2011, 76, 4746-4752.	3.2	21
27	α -N-Heterocyclic Carbene Catalyzed Reaction of Phthalaldehydes: Controllable Stereoselective Synthesis of Polyhydroxylated Spiro- and Fused Indenones Dictated by the Structure of NHC Catalysts. <i>Journal of Organic Chemistry</i> , 2011, 76, 1844-1851.	3.2	51
28	Reaction of $\hat{\text{I}}^2$ -Lactam Carbenes with 2-Pyridyl Isonitriles: A One-Pot Synthesis of 2-Carbonyl-3-(pyridylamino)imidazo[1,2-a]pyridines Useful as Fluorescent Probes for Mercury Ion. <i>Journal of Organic Chemistry</i> , 2011, 76, 7458-7465.	3.2	108
29	The multicomponent reaction of imidazo[1,5-a]pyridine carbenes with phthalaldehydes and dimethyl acetylenedicarboxylate: a facile construction of benzo[d]furo[3,2-b]azepines. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2166.	2.8	17
30	Multicomponent Reaction of Imidazo[1,5-a]pyridine Carbenes with Aldehydes and Dimethyl Acetylenedicarboxylate or Allenates: A Straightforward Approach to Fully Substituted Furans. <i>Journal of Organic Chemistry</i> , 2010, 75, 6644-6652.	3.2	33
31	Orthogonal Synthesis of Densely Functionalized Pyrroles and Thiophenes from the Reactions of Imidazo[1,5-a]pyridine Carbene-Derived Zwitterions with Electron-Deficient Alkynes. <i>Journal of Organic Chemistry</i> , 2010, 75, 2382-2388.	3.2	13
32	An Unprecedented Chemospecific and Stereoselective Tandem Nucleophilic Addition/Cycloaddition Reaction of Nucleophilic Carbenes with Ketenimines. <i>Journal of Organic Chemistry</i> , 2009, 74, 850-855.	3.2	30
33	Synthesis of novel synthetic intermediates from the reaction of benzimidazole and triazole carbenes with ketenimines and their application in the construction of spiro-pyrroles. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 5010.	2.8	15
34	An Experimental and Theoretical Study on the Interaction of N-Heterocyclic Carbene-Derived 1,3-Dipoles with Methoxycarbonyllallenes: Highly Regio- and Stereoselective [3+2]-Cycloadditions Controlled by the Structures of N-Heterocycles of 1,3-Dipoles. <i>Journal of Organic Chemistry</i> , 2009, 74, 2357-2367.	3.2	22
35	The [3 + 2] cycloaddition reaction of thiazole carbene-derived C-C-Se 1,3-dipoles: a concise and highly efficient strategy for the construction of multifunctional dihydroselenophenes and selenopheno[2,3-b]pyrazines. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3264.	2.8	17
36	Solvent controlled divergent syntheses of polysubstituted pyrroles and pyrrolo[2,3-b]-1,4-thiazines. <i>Tetrahedron</i> , 2008, 64, 7362-7368.	1.9	13

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37	Highly site, regio-, and stereoselective multicomponent reaction of benzimidazole carbenes, isothiocyanates, and allenates. <i>Tetrahedron Letters</i> , 2008, 49, 485-489.	1.4	18
38	An unprecedented tandem 1,3-dipolar cycloaddition–cheletropic elimination: a facial approach to novel push–pull olefins. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1282-1286.	2.8	19
39	Highly Efficient and Site-Selective [3 + 2] Cycloaddition of Carbene-Derived Ambident Dipoles with Ketenes for a Straightforward Synthesis of Spiro-Pyrrolidones. <i>Journal of Organic Chemistry</i> , 2007, 72, 6266-6269.	3.2	31
40	Interaction of $\hat{\text{I}}^2$ -Lactam Carbenes with Aryl Isonitriles: An Unprecedented Rearrangement of 2-Azetidinonylidene Indoles to $\hat{\text{I}}^2$ -Carbolinones. <i>Journal of Organic Chemistry</i> , 2007, 72, 2625-2630.	3.2	20
41	The unprecedented ring transformation from thiazoline-spiro-thiophene to thieno[2,3-b]pyrazine involved in the reaction of 2-thiocarbamoyl thiazolium salts with dimethyl acetylenedicarboxylate. <i>Chemical Communications</i> , 2007, , 5087.	4.1	17
42	Substrate-Controlled and Site-Selective [3+2]–Cycloadditions of N-Heterocyclic Carbene Derived Ambident Dipoles. <i>Chemistry - A European Journal</i> , 2007, 13, 4282-4292.	3.3	47
43	Reaction of $\hat{\text{I}}^2$ -lactam carbenes with alkyl isonitriles for a ready approach to 4-cyano and 4-carbamoyl substituted $\hat{\text{I}}^2$ -lactams. <i>Tetrahedron</i> , 2007, 63, 9359-9364.	1.9	17
44	A N-heterocyclic carbene derived highly regioselective ambident C=C=S and C=C=N 1,3-dipolar system. <i>Chemical Communications</i> , 2006, , 1215.	4.1	40
45	High Nucleophilicity of Cyclic Amidocarbene toward Aryl Isocyanates, New Approach to Spiro[azetidinone-4,3-indolinone] Derivatives. <i>Journal of Organic Chemistry</i> , 2006, 71, 4418-4427.	3.2	18
46	Interaction of Aryloxychlorocarbenes with Acetylenedicarboxylate: Novel Formation of Polyfunctional Butadienes and 8-Oxatricyclo[3.2.1.0 ^{2,4}]oct-6-enes. <i>Journal of Organic Chemistry</i> , 2005, 70, 4840-4846.	3.2	15
47	Heterocycles Derived from Heteroatom-Substituted Carbenes. <i>ChemInform</i> , 2004, 35, no.	0.0	0
48	Heterocycles Derived from Heteroatom-Substituted Carbenes. <i>Chemical Reviews</i> , 2004, 104, 2507-2530.	47.7	83
49	The surprising nucleophilic addition of aminochlorocarbenes to diethyl acetylenedicarboxylate and to oxalyl chloride: quinolines and benzo[1,4]diazepines from N-alkylformanilides and oxalyl chloride in the presence of H ₂ Nig's base. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 3605-3610.	2.8	4
50	The unique nucleophilic reactivity of arylaminochlorocarbenes Electronic supplementary information (ESI) available: experimental details, characterization data for compounds 7 and 8. See http://www.rsc.org/suppdata/cc/b2/b210098c/ . <i>Chemical Communications</i> , 2003, , 90-91.	4.1	13
51	The unique nucleophilic reactivity of arylaminochlorocarbenes. <i>Chemical Communications</i> , 2003, , 90-1.	4.1	0
52	Synthetic Applications of Aminochlorocarbenes: A Two-step Conversion of N-Methylformanilides into 3-Arylamino-2-chloroindoles. <i>Synthesis</i> , 2002, 2002, 2426-2430.	2.3	13
53	Unexpected products from the formylation of N,N-dimethylanilines with 2-formamidopyridine in POCl ₃ . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 44-46.	1.3	2
54	Umpeoled Vilsmeier reagents. The chemistry of aminochlorocarbenes derived from Vilsmeier reagents by the action of bases–1. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 1619-1626.	0.9	10

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55	Carbenes from vilsmeier reagents by the action of bases in POCl ₃ ; the umpolung of vilsmeier reagents. Chemical Communications, 1996, , 1395.	4.1	14
56	A Facile Method for the Synthesis of Novel Quinazolinone Compounds. Synthetic Communications, 1996, 26, 475-482.	2.1	8
57	Synthesis of Acetyl-Substituted Heterocyclic Enamines and Their Reaction with Diethyl Azodicarboxylate. Synthetic Communications, 1995, 25, 1339-1351.	2.1	13
58	Experimental and Theoretical Study on the Regioselective Radical Cyclization Reactions of 1-(<i>o</i> -Alkenylaryl)-2-amido-1- <i>o</i> -ketones for the Construction of Indeno[2,1- <i>d</i>][1,3]oxazin-9-ones. Journal of Organic Chemistry, 0, , .	3.2	0