

Song Ye

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4293086/publications.pdf>

Version: 2024-02-01

88
papers

5,834
citations

53794

45
h-index

74163

75
g-index

90
all docs

90
docs citations

90
times ranked

2374
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral N-Heterocyclic Carbene Catalyzed Staudinger Reaction of Ketenes with Imines: Highly Enantioselective Synthesis of <i>N</i> -Boc β -Lactams. <i>Organic Letters</i> , 2008, 10, 277-280.	4.6	326
2	N-Heterocyclic Carbene Catalyzed [4+3] Annulation of Enals and α -Quinone Methides: Highly Enantioselective Synthesis of Benzotriazinone Lactones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8607-8610.	13.8	277
3	Bifunctional N-Heterocyclic Carbenes Derived from γ -Pyroglutamic Acid and Their Applications in Enantioselective Organocatalysis. <i>Accounts of Chemical Research</i> , 2020, 53, 690-702.	15.6	253
4	[4+2] Cycloaddition of Ketenes with <i>N</i> -Benzoyldiazenes Catalyzed by N-Heterocyclic Carbenes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 192-195.	13.8	225
5	N-Heterocyclic Carbene-Catalyzed Enantioselective Annulation of Bromoenal and 1,3-Dicarbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 3134-3138.	4.3	187
6	N-Heterocyclic Carbene-Catalyzed Cyclization of Unsaturated Acyl Chlorides and Ketones. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1943-1948.	4.3	176
7	Highly diastereo- and enantioselective NHC-catalyzed [3+2] annulation of enals and isatins. <i>Chemical Communications</i> , 2011, 47, 10136.	4.1	159
8	N-Heterocyclic Carbene Catalyzed Cyclocondensation of α,β -Unsaturated Carboxylic Acids: Enantioselective Synthesis of Pyrrolidinone and Dihydropyridinone Derivatives. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11611-11615.	13.8	154
9	Enantioselective Synthesis of Dihydrocoumarins <i>via</i> N-Heterocyclic Carbene-Catalyzed Cycloaddition of Ketenes and α -Quinone Methides. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2822-2826.	4.3	151
10	Formal [3+2] Cycloaddition of Ketenes and Oxaziridines Catalyzed by Chiral Lewis Bases: Enantioselective Synthesis of Oxazolinones. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8412-8416.	13.8	148
11	Bifunctional N-Heterocyclic Carbene-Catalyzed Highly Enantioselective Synthesis of Spirocyclic Oxindole- β -lactams. <i>Organic Letters</i> , 2014, 16, 3079-3081.	4.6	143
12	Formal Cycloaddition of Disubstituted Ketenes with 2-Oxoaldehydes Catalyzed by Chiral N-Heterocyclic Carbenes. <i>Journal of Organic Chemistry</i> , 2008, 73, 8101-8103.	3.2	141
13	Enantioselective N-Heterocyclic Carbene Catalyzed Aza-Benzoin Reaction of Enals with Activated Ketimines. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5803-5806.	13.8	140
14	N-Heterocyclic Carbene Catalyzed Aza-Morita-Baylis-Hillman Reaction of Cyclic Enones with <i>N</i> -Tosylarylimines. <i>Journal of Organic Chemistry</i> , 2007, 72, 7466-7468.	3.2	129
15	Enantioselective Synthesis of Spirocyclic Oxindole- β -lactones <i>via</i> N-Heterocyclic Carbene-Catalyzed Cycloaddition of Ketenes and Isatins. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1892-1895.	4.3	129
16	N-Heterocyclic carbene-catalyzed oxidative [3 + 2] annulation of dioxindoles and enals: cross coupling of homoenolate and enolate. <i>Chemical Science</i> , 2017, 8, 1936-1941.	7.4	124
17	Visible-Light-Driven N-Heterocyclic Carbene Catalyzed β - and γ -Alkylation with Alkyl Radicals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18124-18130.	13.8	122
18	N-Heterocyclic Carbene Catalysis: Enantioselective Formal [2+2] Cycloaddition of Ketenes and <i>N</i> -Sulfinylanilines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9104-9107.	13.8	111

#	ARTICLE	IF	CITATIONS
19	Enantioselective Synthesis of Indole-Fused Dihydropyranones via Catalytic Cycloaddition of Ketenes and 3-Alkylenyloxindoles. <i>Journal of Organic Chemistry</i> , 2010, 75, 6973-6976.	3.2	109
20	Highly Enantioselective β -Amination by N-Heterocyclic Carbene Catalyzed [4+2] Annulation of Oxidized Enals and Azodicarboxylates. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10644-10647.	13.8	109
21	Recent advances in N-heterocyclic carbene-catalyzed radical reactions. <i>Chinese Chemical Letters</i> , 2021, 32, 660-667.	9.0	108
22	N-heterocyclic carbene-catalyzed reactions of C=C unsaturated bonds. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7991.	2.8	86
23	Asymmetric Dimerization of Disubstituted Ketenes Catalyzed by N-Heterocyclic Carbenes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 2715-2718.	4.3	82
24	Enantioselective Cycloaddition Reactions of Ketenes Catalyzed by N-Heterocyclic Carbenes. <i>Synlett</i> , 2013, 24, 1614-1622.	1.8	76
25	Enantioselective N-Heterocyclic Carbene-Catalyzed Synthesis of Spirocyclic Oxindole-benzofuroazepinones. <i>Journal of Organic Chemistry</i> , 2018, 83, 15225-15235.	3.2	67
26	Enantioselective Synthesis of Bicyclic β -Lactones via N-Heterocyclic Carbene-Catalyzed Cascade Reaction. <i>Organic Letters</i> , 2015, 17, 5140-5143.	4.6	66
27	N-Heterocyclic carbene-catalyzed [4 + 2] annulation of α,β -unsaturated carboxylic acids: enantioselective synthesis of dihydropyridinones and spirocyclic oxindolodihydropyridinones. <i>Organic Chemistry Frontiers</i> , 2016, 3, 77-81.	4.5	64
28	N-heterocyclic carbene-catalyzed [4 + 2] cycloaddition of ketenes and 3-aryl coumarins: highly enantioselective synthesis of dihydrocoumarin-fused dihydropyranones. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 158-163.	2.8	61
29	Synthesis of Dihydropyridinone-Fused Indoles and β -Carbolines via N-Heterocyclic Carbene-Catalyzed [3 + 3] Annulation of Indolin-2-imines and Bromoenals. <i>Organic Letters</i> , 2017, 19, 2286-2289.	4.6	61
30	N-Heterocyclic carbene/photo-cocatalyzed oxidative Smiles rearrangement: synthesis of aryl salicylates from <i>O</i> -aryl salicylaldehydes. <i>Chemical Communications</i> , 2020, 56, 1525-1528.	4.1	61
31	Enantioselective Synthesis of Axially Chiral Benzothiophene/Benzofuran-Fused Biaryls by N-Heterocyclic Carbene Catalyzed Arene Formation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13918-13922.	13.8	60
32	NHC-Catalyzed Enantioselective [2 + 2] and [2 + 2 + 2] Cycloadditions of Ketenes with Isothiocyanates. <i>Organic Letters</i> , 2011, 13, 6382-6385.	4.6	59
33	Enantioselective [2+2+2] cycloaddition of ketenes and carbon disulfide catalyzed by N-heterocyclic carbenes. <i>Chemical Communications</i> , 2011, 47, 8388.	4.1	57
34	Switchable Decarboxylative Heck-Type Reaction and Oxo-alkylation of Styrenes with <i>N</i> -Hydroxyphthalimide Esters under Photocatalysis. <i>Organic Letters</i> , 2018, 20, 3496-3499.	4.6	55
35	Bifunctional N-Heterocyclic Carbene Catalyzed [3+4] Annulation of Enals and Aurones. <i>Chemistry - A European Journal</i> , 2015, 21, 1868-1872.	3.3	54
36	N-Heterocyclic Carbene-Catalyzed Synthesis of Multi-Substituted Benzenes from Enals and β -Cyanocarbonyl-methylenones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2862-2866.	4.3	53

#	ARTICLE	IF	CITATIONS
37	N-Heterocyclic Carbene-Catalyzed [3 + 4] Annulation of Enals and Alkenyl Thiazolones: Enantioselective Synthesis of Thiazole-Fused β -Lactones. <i>Journal of Organic Chemistry</i> , 2016, 81, 4841-4846.	3.2	53
38	Photo/N-Heterocyclic Carbene Co-catalyzed Ring Opening and β -Alkylation of Cyclopropane Enal. <i>Organic Letters</i> , 2020, 22, 986-990.	4.6	53
39	N-Heterocyclic Carbene Catalyzed [4+2] Cycloaddition of Nitroalkenes with Oxodienes. <i>Chemistry - A European Journal</i> , 2013, 19, 4441-4445.	3.3	52
40	Phosphane-Catalyzed [4+2] Annulation of Allenates with Ketimines: Synthesis of Sultam-Fused Tetrahydropyridines. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5723-5728.	2.4	50
41	N-Heterocyclic carbene-catalyzed [3+3] cyclocondensation of bromoenals with aldimines: highly enantioselective synthesis of dihydropyridinones. <i>Chemical Communications</i> , 2015, 51, 12040-12043.	4.1	50
42	N-Heterocyclic Carbene-Catalyzed Construction of 1,3,5-Trisubstituted Benzenes from Bromoenals and β -Cyano- β -methyleneones. <i>Organic Letters</i> , 2016, 18, 6408-6411.	4.6	48
43	Diastereo- and Enantioselective Synthesis of Spirooxindoles with Contiguous Tetrasubstituted Stereocenters via Catalytic Coupling of Two Tertiary Radicals. <i>Journal of Organic Chemistry</i> , 2018, 83, 2966-2970.	3.2	48
44	Bifunctional N-heterocyclic carbene catalyzed [3 + 4] annulation of enals with azadienes: enantioselective synthesis of benzofuroazepinones. <i>Organic Chemistry Frontiers</i> , 2019, 6, 405-409.	4.5	48
45	(Dynamic) Kinetic Resolution of Enamines/Imines: Enantioselective N-Heterocyclic Carbene Catalyzed [3+3] Annulation of Bromoenals and Enamines/Imines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1183-1187.	13.8	46
46	N-Heterocyclic carbene-catalyzed [3 + 2] annulation of bromoenals with 3-aminoxindoles: highly enantioselective synthesis of spirocyclic oxindolo- β -lactams. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2007-2014.	2.8	43
47	Visible light promoted coupling of alkynyl bromides and Hantzsch esters for the synthesis of internal alkynes. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 181-185.	2.8	39
48	Enantioselective [4+2] cycloaddition of ketenes and 9,10-phenanthrenequinone catalyzed by N-heterocyclic carbenes. <i>Tetrahedron Letters</i> , 2010, 51, 2316-2318.	1.4	38
49	N-Heterocyclic Carbene-Catalyzed [3+3] Cyclocondensation of Bromoenals and Ketimines: Highly Enantioselective Synthesis of Dihydropyridinones. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 462-465.	2.7	38
50	NHC-Catalyzed β -Umpolung via <i>p</i> -Quinodimethanes and Its Nucleophilic Addition to Ketones. <i>ACS Catalysis</i> , 2020, 10, 994-998.	11.2	37
51	Visible-Light-Promoted Oxo-difluoroalkylation of Alkenes with DMSO as the Oxidant. <i>Journal of Organic Chemistry</i> , 2019, 84, 7388-7394.	3.2	34
52	N-Heterocyclic Carbene-Catalyzed [2+2+2] Annulation of Allenates with Trifluoromethylketones. <i>Chinese Journal of Chemistry</i> , 2012, 30, 190-194.	4.9	33
53	N-Heterocyclic carbene-catalyzed [3 + 3] cyclocondensation of bromoenals with hydrazones: highly enantioselective synthesis of dihydropyridazines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11255-11262.	2.8	32
54	N-Heterocyclic Carbene-Catalyzed [3+3] Annulation of Indoline- α - β - γ -Lactones with Bromoenals: Synthesis of Indolo[2,3- <i>b</i>]dihydrothiopyranones. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 44-48.	4.3	31

#	ARTICLE	IF	CITATIONS
55	Enantioselective benzoin condensation catalyzed by bifunctional N-heterocyclic carbenes. <i>Science Bulletin</i> , 2010, 55, 1753-1757.	1.7	30
56	N-heterocyclic carbene-catalyzed cyclocondensation of 2-aryl carboxylic acids and enones: highly enantioselective synthesis of β -lactones. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1313-1316.	2.8	29
57	N-Heterocyclic Carbene Catalyzed Generation and [4+2] Annulation of Unsubstituted Dienolate "Enantioselective Synthesis of Spirocyclic Oxindolodihydropyranones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1047-1053.	2.4	28
58	Enantioselective N-Heterocyclic Carbene-Catalyzed Synthesis of Trifluoromethylidihydropyridinones. <i>Journal of Organic Chemistry</i> , 2015, 80, 5900-5905.	3.2	28
59	Formylation or methylation: what determines the chemoselectivity of the reaction of amine, CO ₂ , and hydrosilane catalyzed by 1,3,2-diazaphospholene?. <i>Chemical Science</i> , 2017, 8, 7637-7650.	7.4	28
60	Enantioselective N-heterocyclic carbene-catalyzed synthesis of saccharine-derived dihydropyridinones with cis-selectivity. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6422-6425.	2.8	27
61	N-heterocyclic carbene-catalyzed synthesis of spirocyclopentene-oxindoles from bromoenals. <i>Chemical Communications</i> , 2017, 53, 4327-4330.	4.1	27
62	N-Heterocyclic Carbene Catalyzed Photooxidation: Intramolecular Cross Dehydrogenative Coupling of Tetrahydroisoquinoline- α -Ethered Aldehydes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1819-1824.	4.3	27
63	N-Heterocyclic Carbene-Catalyzed All Carbon [4+2] Cyclocondensation of Unsaturated Acyl Chlorides with Alkylenyloxindoles. <i>Chinese Journal of Chemistry</i> , 2014, 32, 814-818.	4.9	25
64	NHC/Copper-Cocatalyzed [4 + 3] Annulations of Salicylaldehydes with Aziridines for the Synthesis of 1,4-Benzoxazepinones. <i>Organic Letters</i> , 2020, 22, 8396-8400.	4.6	25
65	Visible light mediated oxidative lactonization of 2-methyl-1,1-biaryls for the synthesis of benzocoumarins. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4212-4215.	2.8	23
66	N-Heterocyclic Carbene Catalyzed Synthesis of Dihydroxybenzophenones from β -Methylenals and Aurones. <i>Chemistry - A European Journal</i> , 2019, 25, 3253-3256.	3.3	20
67	β -Difluoroalkylation: Synthesis of β -Difluoroalkyl- α,β -Unsaturated Esters via Photoredox NHC-Catalyzed Radical Reaction. <i>Organic Letters</i> , 2020, 22, 8173-8177.	4.6	20
68	Chiral Bifunctional N-Heterocyclic Carbenes: Synthesis and Application in the Aza-Morita-Baylis-Hillman Reaction. <i>Synthesis</i> , 2008, 2008, 2825-2829.	2.3	19
69	DBU-Mediated Construction of 1,3,5-Trisubstituted Benzenes via Annulation of α,β -Unsaturated Carboxylic Acids and β -Cyano- β -methyleneones. <i>Journal of Organic Chemistry</i> , 2018, 83, 12507-12513.	3.2	19
70	N-Heterocyclic Carbene-Catalyzed Annulation of α,β -Chloroaldehydes with β,γ -Amino- α,β -Unsaturated Ketones: Enantioselective Synthesis of Pyrrolidones and Piperidones. <i>Chemistry - A European Journal</i> , 2018, 24, 8302-8305.	3.3	18
71	[3 + 4] Annulation of Bromoenals and 1,2-Benzenedithiol: Base-Promoted [2 + 4] Reaction and N-Heterocyclic Carbene-Catalyzed Ring-Expansion. <i>Journal of Organic Chemistry</i> , 2018, 83, 15178-15185.	3.2	18
72	Oxidative N-Heterocyclic Carbene-Catalyzed [8+2] Annulation of Tropone and Aldehydes: Synthesis of Cycloheptatriene-Fused Furanones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 2291-2294.	4.3	17

#	ARTICLE	IF	CITATIONS
73	Dynamic Kinetic Resolution of α -Trifluoromethyl Hemiaminals without α -Hydrogen via NHC-Catalyzed α -Oxyacylation. <i>Organic Letters</i> , 2021, 23, 1361-1366.	4.6	17
74	Cooperative N-Heterocyclic Carbene/Nickel-Catalyzed Hydroacylation of 1,3-Dienes with Aldehydes in Water. <i>ACS Catalysis</i> , 2022, 12, 1657-1663.	11.2	17
75	[4+2] and [3+2] Annulations of α -Chloroaldehydes and Dithioesters: Synthesis of 1,4-dioxathiane-2(3H)-ones and 1,3-dioxathioles. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3479-3483.	4.3	15
76	Visible-Light-Driven N-Heterocyclic Carbene Catalyzed α - and β -Alkylation with Alkyl Radicals. <i>Angewandte Chemie</i> , 2019, 131, 18292-18298.	2.0	15
77	N-Heterocyclic carbene-catalyzed α -addition of enals to 3-alkylenyloxindoles: synthesis of oxindoles with all-carbon quaternary stereocenters. <i>Chemical Communications</i> , 2019, 55, 7966-7969.	4.1	13
78	Enantioselective Synthesis of Axially Chiral Benzothiophene/Benzofuran-Fused Biaryls by N-Heterocyclic Carbene Catalyzed Arene Formation. <i>Angewandte Chemie</i> , 2021, 133, 14037-14041.	2.0	13
79	Biomass Transformation of Cellulose via N-Heterocyclic Carbene-Catalyzed Umpolung of 5-(Chloromethyl)furfural. <i>Cell Reports Physical Science</i> , 2020, 1, 100071.	5.6	12
80	Umpolung coupling of pyridine-2-carboxaldehydes and propargylic carbonates α -via β -N-heterocyclic carbene/palladium synergetic catalysis. <i>Chemical Communications</i> , 2021, 57, 4452-4455.	4.1	12
81	Enantioselective Synthesis of Terminal 1,2-diols from Acyl Chlorides. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2688-2692.	4.9	11
82	N-Heterocyclic carbene-catalyzed [4 + 2] cyclization of α -chloroaldehydes and aurones: Highly enantioselective synthesis of benzofuran-fused dihydropyran-2-ones. <i>Chinese Chemical Letters</i> , 2018, 29, 1209-1211.	9.0	11
83	(Dynamic) Kinetic Resolution of Enamines/Imines: Enantioselective N-Heterocyclic Carbene Catalyzed [3+3] Annulation of Bromoenals and Enamines/Imines. <i>Angewandte Chemie</i> , 2019, 131, 1195-1199.	2.0	11
84	Intramolecular α -Oxygenation of Amines via α -N-Heterocyclic Carbene-Catalyzed Domino Reaction of Aryl Aldehyde: Experiment and DFT Calculation. <i>CCS Chemistry</i> , 2019, 1, 343-351.	7.8	10
85	Enantioselective Synthesis of Cyclic α -Aminophosphonates through N-Heterocyclic Carbene-Catalyzed [4+2] Annulation of Enals with α -Aminophosphonates. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2452-2455.	2.7	9
86	Palladium-Catalyzed [4+2] and [5+2] Annulation for the Synthesis of Tetrahydroquinolines and 1,4-Benzoxazepines. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3059-3062.	2.4	5
87	Brønsted Acid-Catalyzed Synthesis of α -N-Arylindoles from α -Vinylanilines and Quinones. <i>Chemistry - an Asian Journal</i> , 2016, 11, 2671-2674.	3.3	3
88	N-heterocyclic carbene-catalyzed intramolecular aza-Michael addition of alkyl amines to α,β -unsaturated carboxylic acid: Synthesis of pyrrolidines and piperidines. <i>Tetrahedron</i> , 2021, 94, 132337.	1.9	3