

Lingling Chu

List of Publications by Year in descending order

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62
papers

7,946
citations

81743

39
h-index

110170

64
g-index

88
all docs

88
docs citations

88
times ranked

4589
citing authors

#	ARTICLE	IF	CITATIONS
1	Merging photoredox with nickel catalysis: Coupling of α -carboxyl sp ³ -carbons with aryl halides. <i>Science</i> , 2014, 345, 437-440.	6.0	1,309
2	Oxidative Trifluoromethylation and Trifluoromethylthiolation Reactions Using (Trifluoromethyl)trimethylsilane as a Nucleophilic CF ₃ Source. <i>Accounts of Chemical Research</i> , 2014, 47, 1513-1522.	7.6	646
3	Carboxylic Acids as A Traceless Activation Group for Conjugate Additions: A Three-Step Synthesis of (\pm)-Pregabalin. <i>Journal of the American Chemical Society</i> , 2014, 136, 10886-10889.	6.6	472
4	Copper-Mediated Oxidative Trifluoromethylation of Boronic Acids. <i>Organic Letters</i> , 2010, 12, 5060-5063.	2.4	353
5	Copper-Catalyzed Direct C-H Oxidative Trifluoromethylation of Heteroarenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 1298-1304.	6.6	314
6	Copper-Catalyzed Oxidative Trifluoromethylthiolation of Aryl Boronic Acids with TMSCF ₃ and Elemental Sulfur. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2492-2495.	7.2	292
7	Merging Photoredox and Nickel Catalysis: The Direct Synthesis of Ketones by the Decarboxylative Arylation of α -Oxo Acids. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7929-7933.	7.2	276
8	Copper-Mediated Aerobic Oxidative Trifluoromethylation of Terminal Alkynes with Me ₃ SiCF ₃ . <i>Journal of the American Chemical Society</i> , 2010, 132, 7262-7263.	6.6	271
9	Silver-Catalyzed Hydrotrifluoromethylation of Unactivated Alkenes with CF ₃ SiMe ₃ . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2198-2202.	7.2	251
10	Cu(II)-Mediated Methylthiolation of Aryl C-H Bonds with DMSO. <i>Organic Letters</i> , 2010, 12, 1644-1647.	2.4	244
11	Recent advances in photoredox and nickel dual-catalyzed cascade reactions: pushing the boundaries of complexity. <i>Chemical Science</i> , 2020, 11, 4051-4064.	3.7	241
12	Metal-Free Oxidative Trifluoromethylthiolation of Terminal Alkynes with CF ₃ SiMe ₃ and Elemental Sulfur. <i>Journal of the American Chemical Society</i> , 2012, 134, 12454-12457.	6.6	238
13	Enantioselective Three-Component Fluoroalkylarylation of Unactivated Olefins through Nickel-Catalyzed Cross-Electrophile Coupling. <i>Journal of the American Chemical Society</i> , 2020, 142, 9604-9611.	6.6	173
14	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkenes Using Nucleophilic CF ₃ SiMe ₃ : Efficient C(sp ³) α -CF ₃ Bond Formation. <i>Organic Letters</i> , 2012, 14, 2106-2109.	2.4	172
15	Intermolecular selective carboacylation of alkenes via nickel-catalyzed reductive radical relay. <i>Nature Communications</i> , 2018, 9, 3488.	5.8	169
16	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkynes and Aryl Boronic Acids Using (Trifluoromethyl)trimethylsilane. <i>Journal of Organic Chemistry</i> , 2012, 77, 1251-1257.	1.7	161
17	Catalytic three-component dicarbofunctionalization reactions involving radical capture by nickel. <i>Chemical Society Reviews</i> , 2021, 50, 10836-10856.	18.7	154
18	General Method for Enantioselective Three-Component Carboarylation of Alkenes Enabled by Visible-Light Dual Photoredox/Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 20390-20399.	6.6	136

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19	Silver-Mediated Oxidative Trifluoromethylation of Phenols: Direct Synthesis of Aryl Trifluoromethyl Ethers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11839-11842.	7.2	130
20	syn-Selective alkylarylation of terminal alkynes via the combination of photoredox and nickel catalysis. <i>Nature Communications</i> , 2018, 9, 4543.	5.8	110
21	Recent Advances in Nickel-Catalyzed Three-Component Difunctionalization of Unactivated Alkenes. <i>Synthesis</i> , 2020, 52, 1346-1356.	1.2	109
22	CuBr-Catalyzed Oxidative Difluoromethylation of Tertiary Amines with Difluoroenol Silyl Ethers. <i>Organic Letters</i> , 2009, 11, 2197-2200.	2.4	104
23	Electrophilic Trifluoromethylthiolation of Allylsilanes with Trifluoromethanesulfanamide. <i>Organic Letters</i> , 2013, 15, 894-897.	2.4	104
24	Selective, Intermolecular Alkylarylation of Alkenes via Photoredox/Nickel Dual Catalysis. <i>Organic Letters</i> , 2019, 21, 4771-4776.	2.4	103
25	Direct Introduction of Ethoxycarbonyldifluoromethyl Group to Heteroarenes with Ethyl Bromodifluoroacetate via Visible-Light Photocatalysis. <i>Chinese Journal of Chemistry</i> , 2013, 31, 885-891.	2.6	97
26	Metal-free, intermolecular carbopyridylation of alkenes via visible-light-induced reductive radical coupling. <i>Chemical Science</i> , 2018, 9, 9012-9017.	3.7	83
27	Benzoyl peroxide (BPO)-promoted oxidative trifluoromethylation of tertiary amines with trimethyl(trifluoromethyl)silane. <i>Chemical Communications</i> , 2010, 46, 6285.	2.2	81
28	Visible-Light-Enabled Stereodivergent Synthesis of E- and Z-Configured 1,4-Dienes by Photoredox/Nickel Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 177-181.	7.2	81
29	Merging Photoredox and Nickel Catalysis: The Direct Synthesis of Ketones by the Decarboxylative Arylation of α -Oxo Acids. <i>Angewandte Chemie</i> , 2015, 127, 8040-8044.	1.6	71
30	Photoredox-catalyzed branch-selective pyridylation of alkenes for the expedient synthesis of Triprolidine. <i>Nature Communications</i> , 2019, 10, 749.	5.8	60
31	Intermolecular, redox-neutral azidoarylation of alkenes via photoredox catalysis. <i>Chemical Communications</i> , 2019, 55, 2336-2339.	2.2	56
32	Silver-Enabled General Radical Difluoromethylation Reaction with TMSCF ₂ H. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4300-4306.	7.2	55
33	Sequential C=O decarboxylative vinylation/C-H arylation of cyclic oxalates via a nickel-catalyzed multicomponent radical cascade. <i>Chemical Science</i> , 2020, 11, 4904-4910.	3.7	53
34	PhI(OAc) ₂ -mediated oxidative trifluoromethylation of arenes with CF ₃ SiMe ₃ under metal-free conditions. <i>Tetrahedron Letters</i> , 2013, 54, 249-251.	0.7	52
35	Copper-Mediated Oxidative Cross-Coupling Reaction of Terminal Alkynes with α -Silyldifluoromethylphosphonates: An Efficient Method for α,α -Difluoropropargylphosphonates. <i>Organic Letters</i> , 2012, 14, 2870-2873.	2.4	50
36	Copper-mediated oxidative difluoromethylenation of aryl boronic acids with α -silyldifluoromethylphosphonates: a new method for aryl difluorophosphonates. <i>New Journal of Chemistry</i> , 2013, 37, 1736.	1.4	43

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37	A four-component radical cascade trifluoromethylation reaction of alkenes enabled by an electron-donor-acceptor complex. <i>Chemical Communications</i> , 2018, 54, 12710-12713.	2.2	39
38	Divergent Aminocarbonylations of Alkynes Enabled by Photoredox/Nickel Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26511-26517.	7.2	37
39	Catalytic, metal-free sulfonylcyanation of alkenes <i>via</i> visible light organophotoredox catalysis. <i>Chemical Communications</i> , 2018, 54, 3162-3165.	2.2	35
40	Solvent-tuned chemoselective carboazidation and diazidation of alkenes <i>via</i> iron catalysis. <i>Organic Chemistry Frontiers</i> , 2019, 6, 512-516.	2.3	35
41	Recent Advances in Photoredox/Nickel Dual-Catalyzed Difunctionalization of Alkenes and Alkynes. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 1.	0.6	24
42	Visible-light-induced halogenation of aliphatic C H bonds. <i>Tetrahedron Letters</i> , 2018, 59, 173-179.	0.7	23
43	Selective Fluoromethyl Couplings of Alkynes via Nickel Catalysis. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	21
44	Bisphosphonium salt: an effective photocatalyst for the intramolecular hydroalkoxylation of olefins. <i>Science Bulletin</i> , 2019, 64, 1896-1901.	4.3	20
45	Visible-Light-Enabled Stereodivergent Synthesis of <i>E</i> - and <i>Z</i> -Configured 1,4-Dienes by Photoredox/Nickel Dual Catalysis. <i>Angewandte Chemie</i> , 2020, 132, 183-187.	1.6	20
46	Selective Ni-catalyzed cross-electrophile coupling of alkynes, fluoroalkyl halides, and vinyl halides. <i>Chinese Chemical Letters</i> , 2022, 33, 4074-4078.	4.8	19
47	Organic-photoredox-catalyzed three-component sulfonylative pyridylation of styrenes. <i>RSC Advances</i> , 2021, 11, 142-146.	1.7	16
48	Reductive hydrobenzylation of terminal alkynes <i>via</i> photoredox and nickel dual catalysis. <i>Chemical Communications</i> , 2021, 57, 9414-9417.	2.2	16
49	Dual Photoredox-/Palladium-Catalyzed Cross-Electrophile Couplings of Polyfluoroarenes with Aryl Halides and Triflates. <i>Organometallics</i> , 2021, 40, 2246-2252.	1.1	15
50	Radical 1,2-addition of bromoarenes to alkynes <i>via</i> dual photoredox and nickel catalysis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2924-2931.	2.3	15
51	Photoinduced triiodide-mediated [3 + 2] cycloaddition of <i>N</i> -tosyl aziridines and alkenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2196-2202.	2.3	12
52	Copper-Catalyzed Aerobic Oxidative Trifluoromethylation of H-Phosphonates Using Trimethyl(trifluoromethyl)silane. <i>Synthesis</i> , 2012, 44, 1521-1525.	1.2	11
53	Total synthesis of the trifluoromethylated analog of isoalthalactone: 5-trifluoromethylisoalthalactone. <i>Journal of Fluorine Chemistry</i> , 2013, 152, 70-76.	0.9	11
54	Synergistic Catalysis for Stereodivergent Synthesis of <i>trans</i> - and <i>cis</i> -Skipped Dienes. <i>Synlett</i> , 2020, 31, 1741-1746.	1.0	8

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55	Borates as a Traceless Activation Group for Intermolecular Alkylarylation of Ethylene through Photoredox/Nickel Dual Catalysis. <i>Synlett</i> , 2021, 32, 1519-1524.	1.0	7
56	Silver-Enabled General Radical Difluoromethylation Reaction with TMSCF ₂ H. <i>Angewandte Chemie</i> , 2021, 133, 4346-4352.	1.6	6
57	Metallaphotoredox-Enabled Intermolecular Carbobromination of Alkynes with Alkenyl Bromides. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1239-1244.	2.1	6
58	Synthesis of β -fluoroalkylated allylic amines derivatives via palladium-catalyzed Overman rearrangement. <i>Tetrahedron Letters</i> , 2012, 53, 6853-6857.	0.7	5
59	Divergent Aminocarbonylations of Alkynes Enabled by Photoredox/Nickel Dual Catalysis**. <i>Angewandte Chemie</i> , 0, , .	1.6	4
60	Catalyst-Free Intermolecular Sulfonyl/Fluoromethyl Heteroarylation of Vinyl Ethers via Visible-Light-Induced Charge Transfer. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	4
61	Ligand-accelerated, branch-selective oxidative cyanation of alkenes. <i>Science Bulletin</i> , 2018, 63, 1479-1484.	4.3	2
62	Selective Fluoromethyl Couplings of Alkynes via Nickel Catalysis. <i>Angewandte Chemie</i> , 0, , .	1.6	0