Lingling Chu

List of Publications by Year
in descending order

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62 papers	7,946 citations	93792 39 h-index	124990 64 g-index
88 all docs	88 docs citations	88 times ranked	4948 citing authors

#	Article	IF	Citations
1	Recent Advances in Photoredox/Nickel Dual-Catalyzed Difunctionalization of Alkenes and Alkynes. Chinese Journal of Organic Chemistry, 2022, 42, 1.	0.6	24
2	Selective Fluoromethyl Couplings of Alkynes via Nickel Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
3	Catalystâ€Free Intermolecular Sulfonyl/Fluoromethyl Heteroarylation of Vinyl Ethers via Visibleâ€Lightâ€Induced Charge Transfer. Chemistry - A European Journal, 2022, 28, .	1.7	4
4	Metallaphotoredoxâ€Enabled Intermolecular Carbobromination of Alkynes with Alkenyl Bromides. Advanced Synthesis and Catalysis, 2022, 364, 1239-1244.	2.1	6
5	Selective Ni-catalyzed cross-electrophile coupling of alkynes, fluoroalkyl halides, and vinyl halides. Chinese Chemical Letters, 2022, 33, 4074-4078.	4.8	19
6	Silverâ€Enabled General Radical Difluoromethylation Reaction with TMSCF₂H. Angewandte Chemie - International Edition, 2021, 60, 4300-4306.	7.2	55
7	Silverâ€Enabled General Radical Difluoromethylation Reaction with TMSCF₂H. Angewandte Chemie, 2021, 133, 4346-4352.	1.6	6
8	Catalytic three-component dicarbofunctionalization reactions involving radical capture by nickel. Chemical Society Reviews, 2021, 50, 10836-10856.	18.7	154
9	Organic-photoredox-catalyzed three-component sulfonylative pyridylation of styrenes. RSC Advances, 2021, 11, 142-146.	1.7	16
10	Reductive hydrobenzylation of terminal alkynes via photoredox and nickel dual catalysis. Chemical Communications, 2021, 57, 9414-9417.	2.2	16
11	Dual Photoredox-/Palladium-Catalyzed Cross-Electrophile Couplings of Polyfluoroarenes with Aryl Halides and Triflates. Organometallics, 2021, 40, 2246-2252.	1.1	15
12	Photoinduced triiodide-mediated [3 + 2] cycloaddition of N-tosyl aziridines and alkenes. Organic Chemistry Frontiers, 2021, 8, 2196-2202.	2.3	12
13	Radical 1,2-addition of bromoarenes to alkynes via dual photoredox and nickel catalysis. Organic Chemistry Frontiers, 2021, 8, 2924-2931.	2.3	15
14	Borates as a Traceless Activation Group for Intermolecular Alkylarylation of Ethylene through Photoredox/Nickel Dual Catalysis. Synlett, 2021, 32, 1519-1524.	1.0	7
15	Divergent Aminocarbonylations of Alkynes Enabled by Photoredox/Nickel Dual Catalysis. Angewandte Chemie - International Edition, 2021, 60, 26511-26517.	7.2	37
16	Visibleâ€Lightâ€Enabled Stereodivergent Synthesis of Eâ€•and Zâ€Configured 1,4â€Dienes by Photoredox/Nickel Dual Catalysis. Angewandte Chemie - International Edition, 2020, 59, 177-181.	7.2	81
17	Visibleâ€Lightâ€Enabled Stereodivergent Synthesis of Eâ€•and Zâ€Configured 1,4â€Dienes by Photoredox/Nickel Dual Catalysis. Angewandte Chemie, 2020, 132, 183-187.	1.6	20
18	Synergistic Catalysis for Stereodivergent Synthesis of trans- and cis-Skipped Dienes. Synlett, 2020, 31, 1741-1746.	1.0	8

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19	General Method for Enantioselective Three-Component Carboarylation of Alkenes Enabled by Visible-Light Dual Photoredox/Nickel Catalysis. Journal of the American Chemical Society, 2020, 142, 20390-20399.	6.6	136
20	Enantioselective Three-Component Fluoroalkylarylation of Unactivated Olefins through Nickel-Catalyzed Cross-Electrophile Coupling. Journal of the American Chemical Society, 2020, 142, 9604-9611.	6.6	173
21	Recent advances in photoredox and nickel dual-catalyzed cascade reactions: pushing the boundaries of complexity. Chemical Science, 2020, 11, 4051-4064.	3.7	241
22	Recent Advances in Nickel-Catalyzed Three-Component Difunctionalization of Unactivated Alkenes. Synthesis, 2020, 52, 1346-1356.	1.2	109
23	Sequential Câ€“O decarboxylative vinylation/Câ€“H arylation of cyclic oxalates via a nickel-catalyzed multicomponent radical cascade. Chemical Science, 2020, 11, 4904-4910.	3.7	53
24	Bisphosphonium salt: an effective photocatalyst for the intramolecular hydroalkoxylation of olefins. Science Bulletin, 2019, 64, 1896-1901.	4.3	20
25	Intermolecular, redox-neutral azidoarylation of alkenesviaphotoredox catalysis. Chemical Communications, 2019, 55, 2336-2339.	2.2	56
26	Solvent-tuned chemoselective carboazidation and diazidation of alkenes via iron catalysis. Organic Chemistry Frontiers, 2019, 6, 512-516.	2.3	35
27	Selective, Intermolecular Alkylarylation of Alkenes via Photoredox/Nickel Dual Catalysis. Organic Letters, 2019, 21, 4771-4776.	2.4	103
28	Photoredox-catalyzed branch-selective pyridylation of alkenes for the expedient synthesis of Triprolidine. Nature Communications, 2019, 10, 749.	5.8	60
29	Catalytic, metal-free sulfonylcyanation of alkenes via visible light organophotoredox catalysis. Chemical Communications, 2018, 54, 3162-3165.	2.2	35
30	Visible-light-induced halogenation of aliphatic C H bonds. Tetrahedron Letters, 2018, 59, 173-179.	0.7	23
31	A four-component radical cascade trifluoromethylation reaction of alkenes enabled by an electron-donorâ€“acceptor complex. Chemical Communications, 2018, 54, 12710-12713.	2.2	39
32	Metal-free, intermolecular carbopyridylation of alkenes via visible-light-induced reductive radical coupling. Chemical Science, 2018, 9, 9012-9017.	3.7	83
33	syn-Selective alkylarylation of terminal alkynes via the combination of photoredox and nickel catalysis. Nature Communications, 2018, 9, 4543.	5.8	110
34	Ligand-accelerated, branch-selective oxidative cyanation of alkenes. Science Bulletin, 2018, 63, 1479-1484.	4.3	2
35	Intermolecular selective carboacylation of alkenes via nickel-catalyzed reductive radical relay. Nature Communications, 2018, 9, 3488.	5.8	169
36	Merging Photoredox and Nickel Catalysis: The Direct Synthesis of Ketones by the Decarboxylative Arylation of Î±â€Oxo Acids. Angewandte Chemie, 2015, 127, 8040-8044.	1.6	71

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37	Merging Photoredox and Nickel Catalysis: The Direct Synthesis of Ketones by the Decarboxylative Arylation of Î±â€Oxo Acids. Angewandte Chemie - International Edition, 2015, 54, 7929-7933.	7.2	276
38	Silverâ€Mediated Oxidative Trifluoromethylation of Phenols: Direct Synthesis of Aryl Trifluoromethyl Ethers. Angewandte Chemie - International Edition, 2015, 54, 11839-11842.	7.2	130
39	Oxidative Trifluoromethylation and Trifluoromethylthiolation Reactions Using (Trifluoromethyl)trimethylsilane as a Nucleophilic CF₃ Source. Accounts of Chemical Research, 2014, 47, 1513-1522.	7.6	646
40	Carboxylic Acids as A Traceless Activation Group for Conjugate Additions: A Three-Step Synthesis of (Â±)-Pregabalin. Journal of the American Chemical Society, 2014, 136, 10886-10889.	6.6	472
41	Merging photoredox with nickel catalysis: Coupling of Î±-carboxyl sp ³ -carbons with aryl halides. Science, 2014, 345, 437-440.	6.0	1,309
42	Direct Introduction of Ethoxycarbonyldifluoromethylâ€Group to Heteroarenes with Ethyl Bromodifluoroacetate via Visibleâ€Light Photocatalysis. Chinese Journal of Chemistry, 2013, 31, 885-891.	2.6	97
43	Total synthesis of the trifluoromethylated analog of isoaltholactone: 5-trifluoromethylisoaltholactone. Journal of Fluorine Chemistry, 2013, 152, 70-76.	0.9	11
44	PhI(OAc)2-mediated oxidative trifluoromethylation of arenes with CF3SiMe3 under metal-free conditions. Tetrahedron Letters, 2013, 54, 249-251.	0.7	52
45	Electrophilic Trifluoromethylthiolation of Allylsilanes with Trifluoromethanesulfanamide. Organic Letters, 2013, 15, 894-897.	2.4	104
46	Silverâ€Catalyzed Hydrotrifluoromethylation of Unactivated Alkenes with CF₃SiMe₃. Angewandte Chemie - International Edition, 2013, 52, 2198-2202.	7.2	251
47	Copper-mediated oxidative difluoromethylenation of aryl boronic acids with Î±-silyldifluoromethylphosphonates: a new method for aryldifluorophosphonates. New Journal of Chemistry, 2013, 37, 1736.	1.4	43
48	Copper-Catalyzed Aerobic Oxidative Trifluoromethylation of H-PhosphoÂnates Using Trimethyl(trifluoromethyl)silane. Synthesis, 2012, 44, 1521-1525.	1.2	11
49	Synthesis of Î³-fluoroalkylated allylic amines derivatives via palladium-catalyzed Overman rearrangement. Tetrahedron Letters, 2012, 53, 6853-6857.	0.7	5
50	Copper-Catalyzed Direct Câ€“H Oxidative Trifluoromethylation of Heteroarenes. Journal of the American Chemical Society, 2012, 134, 1298-1304.	6.6	314
51	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkenes Using Nucleophilic CF₃SiMe₃: Efficient C(sp³)â€“CF₃ Bond Formation. Organic Letters, 2012, 14, 2106-2109.	2.4	172
52	Metal-Free Oxidative Trifluoromethylthiolation of Terminal Alkynes with CF3SiMe3 and Elemental Sulfur. Journal of the American Chemical Society, 2012, 134, 12454-12457.	6.6	238
53	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkynes and Aryl Boronic Acids Using (Trifluoromethyl)trimethylsilane. Journal of Organic Chemistry, 2012, 77, 1251-1257.	1.7	161
54	Copper-Mediated Oxidative Cross-Coupling Reaction of Terminal Alkynes with Î±-Silyldifluoromethylphosphonates: An Efficient Method for Î±,Î±-Difluoropropargylphosphonates. Organic Letters, 2012, 14, 2870-2873.	2.4	50

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55	Copperâ€Catalyzed Oxidative Trifluoromethylthiolation of Aryl Boronic Acids with TMSCF₃ and Elemental Sulfur. Angewandte Chemie - International Edition, 2012, 51, 2492-2495.	7.2	292
56	Copper-Mediated Oxidative Trifluoromethylation of Boronic Acids. Organic Letters, 2010, 12, 5060-5063.	2.4	353
57	Benzoyl peroxide (BPO)-promoted oxidative trifluoromethylation of tertiary amines with trimethyl(trifluoromethyl)silane. Chemical Communications, 2010, 46, 6285.	2.2	81
58	Copper-Mediated Aerobic Oxidative Trifluoromethylation of Terminal Alkynes with Me₃SiCF₃. Journal of the American Chemical Society, 2010, 132, 7262-7263.	6.6	271
59	Cu(II)-Mediated Methylthiolation of Aryl Câˆ’H Bonds with DMSO. Organic Letters, 2010, 12, 1644-1647.	2.4	244
60	CuBr-Catalyzed Oxidative Difluoromethylation of Tertiary Amines with Difluoroenol Silyl Ethers. Organic Letters, 2009, 11, 2197-2200.	2.4	104
61	Divergent Aminocarbonylations of Alkynes Enabled by Photoredox/Nickel Dual Catalysis**. Angewandte Chemie, 0, , .	1.6	4
62	Selective Fluoromethyl Couplings of Alkynes via Nickel Catalysis. Angewandte Chemie, 0, , .	1.6	0