

Copper-Mediated Trifluoromethylation of Heteroaromatic Sulfonium Salts

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Silver-Mediated Trifluoromethylation of Arenes Using TMSCF ₃ . Organic Letters, 2011, 13, 5464-5467.	4.6	282
2	Silver-Mediated Trifluoromethoxylation of Aryl Stannanes and Arylboronic Acids. Journal of the American Chemical Society, 2011, 133, 13308-13310.	13.7	188
3	Copper-Catalyzed Trifluoromethylation of Aryl and Vinyl Boronic Acids with An Electrophilic Trifluoromethylating Reagent. Organic Letters, 2011, 13, 2342-2345.	4.6	304
4	A novel catalytic process for trifluoromethylation of bromoaromatic compounds. Chemical Communications, 2011, 47, 7236.	4.1	63
5	Cu-Mediated Chemoselective Trifluoromethylation of Benzyl Bromides Using Shelf-Stable Electrophilic Trifluoromethylating Reagents. Organic Letters, 2011, 13, 3596-3599.	4.6	120
6	Generation of the CF ₃ radical from trifluoromethylsulfonium triflate and its trifluoromethylation of styrenes. Chemical Communications, 2011, 47, 6632.	4.1	161
7	Copper-mediated trifluoromethylation of arylboronic acids by trifluoromethyl sulfonium salts. Chemical Communications, 2011, 47, 9516.	4.1	129
8	Copper-catalyzed trifluoromethylation of aryl boronic acids using a CF ₃ ⁺ reagent. Chemical Communications, 2011, 47, 4300.	4.1	255
9	Catalysis for fluorination and trifluoromethylation. Nature, 2011, 473, 470-477.	27.8	1,894
10	A New Method for Aromatic Difluoromethylation: Copper-Catalyzed Cross-Coupling and Decarboxylation Sequence from Aryl Iodides. Organic Letters, 2011, 13, 5560-5563.	4.6	293
11	Mechanistic and Computational Studies of Oxidatively-Induced Aryl~CF ₃ Bond-Formation at Pd: Rational Design of Room Temperature Aryl Trifluoromethylation. Journal of the American Chemical Society, 2011, 133, 7577-7584.	13.7	192
12	Palladium-Catalyzed C-H Perfluoroalkylation of Arenes. Organic Letters, 2011, 13, 2548-2551.	4.6	130
13	Copper-Catalyzed C(sp ³)~C(sp ³) Bond Formation Using a Hypervalent Iodine Reagent: An Efficient Allylic Trifluoromethylation. Journal of the American Chemical Society, 2011, 133, 16410-16413.	13.7	439
14	Copper-Catalyzed Trifluoromethylation of Terminal Alkenes through Allylic C-H Bond Activation. Journal of the American Chemical Society, 2011, 133, 15300-15303.	13.7	351
15	Copper-Catalyzed Aromatic Trifluoromethylation via Group Transfer from Fluoral Derivatives. Advanced Synthesis and Catalysis, 2011, 353, 1247-1252.	4.3	103
16	Efficient Trifluoromethylation of Activated and Non-Activated Alkenyl Halides by Using (Trifluoromethyl)trimethylsilane. Advanced Synthesis and Catalysis, 2011, 353, 3044-3048.	4.3	79
18	Investigations into Transition-Metal-Catalyzed Arene Trifluoromethylation Reactions. Synlett, 2012, 23, 2005-2013.	1.8	71
19	Electrophilic Fluoroalkylation of Ni(II) N-Confused Porphyrins with Fluoroalkylarylsulfonium Salts. Journal of Organic Chemistry, 2012, 77, 3604-3608.	3.2	13

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22	Copper-Promoted Trifluoromethylation of Primary and Secondary Alkylboronic Acids. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12551-12554.	13.8	83
23	Preparation, Structure, and Reactions of Trifluoroacetimidoyl Palladium(II) Complexes. <i>Organometallics</i> , 2012, 31, 1281-1286.	2.3	14
24	Heterocyclization of N-(1-chloro-2,2,2-trifluoroethylidene)carbamates with β^2 -enaminoesters—a novel synthetic strategy to functionalized trifluoromethylated pyrimidines. <i>Tetrahedron</i> , 2012, 68, 8408-8415.	1.9	24
25	Copper-Catalyzed Direct C-H Oxidative Trifluoromethylation of Heteroarenes. <i>Journal of the American Chemical Society</i> , 2012, 134, 1298-1304.	13.7	314
26	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkenes Using Nucleophilic CF_3SiMe_3 : Efficient $\text{C}(\text{sp}^3)\text{-CF}_3$ Bond Formation. <i>Organic Letters</i> , 2012, 14, 2106-2109.	4.6	172
27	Copper-Catalyzed Nucleophilic Trifluoromethylation of Allylic Halides: A Simple Approach to Allylic Trifluoromethylation. <i>Chemistry - A European Journal</i> , 2012, 18, 13255-13258.	3.3	67
28	Progress in Copper-Mediated Formation of Trifluoromethylated Arenes. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 6679-6687.	2.4	221
30	Five-Membered Ring Systems. <i>Progress in Heterocyclic Chemistry</i> , 2012, 24, 169-204.	0.5	3
31	Oxygen, sulfur, selenium, tellurium and polonium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2012, 108, 113.	0.8	0
32	Metal-Free Oxidative Trifluoromethylthiolation of Terminal Alkynes with CF_3SiMe_3 and Elemental Sulfur. <i>Journal of the American Chemical Society</i> , 2012, 134, 12454-12457.	13.7	238
33	Copper-catalyzed olefinic trifluoromethylation of enamides at room temperature. <i>Chemical Science</i> , 2012, 3, 3458.	7.4	247
34	Crystal Structures and Triboluminescence Based on Trifluoromethyl and Pentafluorosulfanyl Substituted Asymmetric <i>N</i> -Phenyl Imide Compounds. <i>Chemistry of Materials</i> , 2012, 24, 671-676.	6.7	98
36	Merging Visible-Light Photocatalysis and Transition-Metal Catalysis in the Copper-Catalyzed Trifluoromethylation of Boronic Acids with CF_3I . <i>Journal of the American Chemical Society</i> , 2012, 134, 9034-9037.	13.7	624
37	Copper-Mediated Aerobic Fluoroalkylation of Arylboronic Acids with Fluoroalkyl Iodides at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 6548-6551.	13.7	148
38	Copper-Catalyzed Oxidative Trifluoromethylation of Terminal Alkynes and Aryl Boronic Acids Using (Trifluoromethyl)trimethylsilane. <i>Journal of Organic Chemistry</i> , 2012, 77, 1251-1257.	3.2	161
39	Mechanisms of Nucleophilic Organocopper(I) Reactions. <i>Chemical Reviews</i> , 2012, 112, 2339-2372.	47.7	358
40	Rhenium-Catalyzed Trifluoromethylation of Arenes and Heteroarenes by Hypervalent Iodine Reagents. <i>ACS Catalysis</i> , 2012, 2, 521-527.	11.2	188
41	Recent Developments on the Trifluoromethylation of (Hetero)Arenes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1744-1754.	3.3	337

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42	Pd(II)-Catalyzed Ortho Trifluoromethylation of Arenes and Insights into the Coordination Mode of Acidic Amide Directing Groups. <i>Journal of the American Chemical Society</i> , 2012, 134, 11948-11951.	13.7	285
43	Metalation of Oxazoles and Benzoxazoles. <i>Topics in Heterocyclic Chemistry</i> , 2012, , 103-154.	0.2	5
44	Palladium-Catalyzed Oxidative Aryltrifluoromethylation of Activated Alkenes at Room Temperature. <i>Journal of the American Chemical Society</i> , 2012, 134, 878-881.	13.7	459
50	<i>Ortho</i>-Trifluoromethylation of Functionalized Aromatic Triazenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3713-3715.	13.8	197
51	Copper-Catalyzed Di- and Trifluoromethylation of α,β -Unsaturated Carboxylic Acids: A Protocol for Vinylic Fluoroalkylations. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3944-3947.	13.8	223
52	Tamed Arene and Heteroarene Trifluoromethylation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5048-5050.	13.8	396
53	Transition-Metal-Free Trifluoromethylaminoxylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8221-8224.	13.8	327
54	Copper-catalyzed trifluoromethylation of terminal alkynes using Umemoto's reagent. <i>Tetrahedron Letters</i> , 2012, 53, 2769-2772.	1.4	52
55	Me ₃ SiCF ₃ /AgF/Cu: A new reagents combination for selective trifluoromethylation of various organic halides by trifluoromethylcopper, CuCF ₃ . <i>Journal of Fluorine Chemistry</i> , 2012, 133, 67-71.	1.7	64
57	Highly Selective Trifluoromethylation of 1,3-Disubstituted Arenes through Iridium-Catalyzed Arene Borylation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 540-543.	13.8	193
58	Copper-Catalyzed Oxidative Trifluoromethylthiolation of Aryl Boronic Acids with TMSCF ₃ and Elemental Sulfur. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2492-2495.	13.8	292
59	Copper-Catalyzed Tandem Trifluoromethylation/Semipinacol Rearrangement of Allylic Alcohols. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9781-9785.	13.8	244
60	Introduction of Fluorine and Fluorine-Containing Functional Groups. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8214-8264.	13.8	2,160
61	Development of (2-bromo-1,1,2,2-tetrafluoroethyl)(phenyl)sulfane as tetrafluoroethyl-radical and tetrafluoroethylene-diradical synthons for additions to alkenes. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 307-313.	1.7	13
62	<i>ortho</i>-Perfluoroalkylation and Ethoxycarbonyldifluoromethylation of Aromatic Triazenes. <i>Journal of Organic Chemistry</i> , 2013, 78, 7938-7948.	3.2	68
63	Oxidative Trifluoromethylation of Unactivated Olefins: An Efficient and Practical Synthesis of α -Trifluoromethyl- β -Substituted Ketones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9747-9750.	13.8	271
64	Metal-mediated radical perfluoroalkylation of organic compounds. <i>Coordination Chemistry Reviews</i> , 2013, 257, 3051-3069.	18.8	119
65	Trifluoromethylation of Aryl and Heteroaryl Halides with Fluoroform-Derived CuCF ₃ : Scope, Limitations, and Mechanistic Features. <i>Journal of Organic Chemistry</i> , 2013, 78, 11126-11146.	3.2	164

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68	Rapid and Efficient Trifluoromethylation of Aromatic and Heteroaromatic Compounds Using Potassium Trifluoroacetate Enabled by a Flow System. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11628-11631.	13.8	145
69	Copper-Catalyzed Three-Component Oxytrifluoromethylation of Alkenes with Sodium Trifluoromethanesulfinate and Hydroxamic Acid. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14177-14180.	13.8	168
70	Direct Synthesis of a Trifluoromethyl Copper Reagent from Trifluoromethyl Ketones: Application to Trifluoromethylation. <i>Chemistry - A European Journal</i> , 2013, 19, 17692-17697.	3.3	69
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75	Fluorinated Pyridines. , 2013, , 497-516.		1
76	Activation of C-F and Ni-C Bonds of [P,S]-Ligated Nickel Perfluorometallacycles. <i>Organometallics</i> , 2013, 32, 7424-7430.	2.3	30
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80	Copper-catalyzed trifluoromethylation of aryl- and vinylboronic acids with generation of CF ₃ -radicals. <i>Chemical Communications</i> , 2013, 49, 2628.	4.1	170
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86	Copper-Catalyzed Debenzoylative Monofluoromethylation of Aryl Iodides Assisted by the Removable (2-Pyridyl)sulfonyl Group. <i>ACS Catalysis</i> , 2013, 3, 631-634.	11.2	57

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88	Silver-catalyzed Hydrotrifluoromethylation of Unactivated Alkenes with CF ₃ SiMe ₃ . Angewandte Chemie - International Edition, 2013, 52, 2198-2202.	13.8	251
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114	Copper-mediated trifluoromethylation of potassium alkynyltrifluoroborates with Langlois' reagent. <i>Tetrahedron</i> , 2014, 70, 2118-2121.	1.9	22
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125	Computational Insights into Nucleophilic Copper-Catalyzed Trifluoromethylation of Aryl Halides. <i>ACS Catalysis</i> , 2014, 4, 4389-4397.	11.2	19
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132	Copper-Catalyzed Regioselective Oxytrifluoromethylation of Allenes Using a CF ₃ -Transfer Reagent. Advanced Synthesis and Catalysis, 2014, 356, 2907-2912.	4.3	28
133	A Free-Radical Cascade Trifluoromethylation/Cyclization of <i>N</i> -Arylmethacrylamides and Enynes with Sodium Trifluoromethanesulfinate and Iodine Pentoxide. Organic Letters, 2014, 16, 3688-3691.	4.6	162
134	Exceedingly Fast Copper(II)-Promoted <i>ortho</i> -C-H Trifluoromethylation of Arenes using TMSCF ₃ . Angewandte Chemie - International Edition, 2014, 53, 10439-10442.	13.8	160
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156	Synthesis of trifluoromethylated compounds from alcohols via alkoxydiphenylphosphines. <i>Journal of Fluorine Chemistry</i> , 2015, 178, 254-259.	1.7	8
157	Mechanisms and applications of cyclometalated Pt(κ^2) complexes in photoredox catalytic trifluoromethylation. <i>Chemical Science</i> , 2015, 6, 1454-1464.	7.4	123
158	Carbon Trifluoromethylation Reactions of Hydrocarbon Derivatives and Heteroarenes. <i>Chemical Reviews</i> , 2015, 115, 1847-1935.	47.7	886
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