Jinbo Hu

List of Publications by Year
in descending order

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211 papers	14,731 citations	15466 65 h-index	22764 112 g-index
274 all docs	274 docs citations	274 times ranked	4536 citing authors

#	Article	IF	Citations
1	Good Partnership between Sulfur and Fluorine: Sulfur-Based Fluorination and Fluoroalkylation Reagents for Organic Synthesis. Chemical Reviews, 2015, 115, 765-825.	23.0	1,023
2	Selective difluoromethylation and monofluoromethylation reactions. Chemical Communications, 2009, , 7465.	2.2	585
3	The unique fluorine effects in organic reactions: recent facts and insights into fluoroalkylations. Chemical Society Reviews, 2016, 45, 5441-5454.	18.7	505
4	Selective Fluoroalkylations with Fluorinated Sulfones, Sulfoxides, and Sulfides. Accounts of Chemical Research, 2007, 40, 921-930.	7.6	325
5	Radical Fluoroalkylation of Isocyanides with Fluorinated Sulfones by Visibleâ€Light Photoredox Catalysis. Angewandte Chemie - International Edition, 2016, 55, 2743-2747.	7.2	313
6	Synthesis of gemâ€Difluorocyclopropa(e)nes and Oâ€, Sâ€, Nâ€, and Pâ€Difluoromethylated Compounds with TMSCF₂Br. Angewandte Chemie - International Edition, 2013, 52, 12390-12394.	7.2	292
7	Synthesis of gemâ€Difluorinated Cyclopropanes and Cyclopropenes: Trifluoromethyltrimethylsilane as a Difluorocarbene Source. Angewandte Chemie - International Edition, 2011, 50, 7153-7157.	7.2	285
8	Recent Advances in the Synthetic Application of Difluorocarbene. Synthesis, 2014, 46, 842-863.	1.2	255
9	Metalâ€Catalyzed Direct Difluoromethylation Reactions. Asian Journal of Organic Chemistry, 2017, 6, 139-152.	1.3	240
10	gem-Difluoroolefination of Diazo Compounds with TMSCF₃ or TMSCF₂Br: Transition-Metal-Free Cross-Coupling of Two Carbene Precursors. Journal of the American Chemical Society, 2015, 137, 14496-14501.	6.6	237
11	Copperâ€Catalyzed Diâ€and Trifluoromethylation of Î±,Î²â€Unsaturated Carboxylic Acids: A Protocol for Vinylic Fluoroalkylations. Angewandte Chemie - International Edition, 2012, 51, 3944-3947.	7.2	223
12	Difluoromethyl 2-Pyridyl Sulfone: A New gem-Difluoroolefination Reagent for Aldehydes and Ketones. Organic Letters, 2010, 12, 1444-1447.	2.4	216
13	Copper-Catalyzed gem-Difluoroolefination of Diazo Compounds with TMSCF₃ via Câ€“F Bond Cleavage. Journal of the American Chemical Society, 2013, 135, 17302-17305.	6.6	214
14	N-Tosyl-S-difluoromethyl-S-phenylsulfoximine: A New Difluoromethylation Reagent for S-, N-, and C-Nucleophiles. Organic Letters, 2009, 11, 2109-2112.	2.4	199
15	Fluoroalkylative Aryl Migration of Conjugated N-Arylsulfonylated Amides Using Easily Accessible Sodium Di- and Monofluoroalkanesulfinates. Organic Letters, 2015, 17, 1838-1841.	2.4	173
16	Copper-Mediated Trifluoromethylation of Î±-Diazo Esters with TMSCF₃: The Important Role of Water as a Promoter. Journal of the American Chemical Society, 2012, 134, 15257-15260.	6.6	171
17	Preparation of Tri- and Difluoromethylsilanes via an Unusual Magnesium Metal-Mediated Reductive Tri- and Difluoromethylation of Chlorosilanes Using Tri- and Difluoromethyl Sulfides, Sulfoxides, and Sulfones. Journal of Organic Chemistry, 2003, 68, 4457-4463.	1.7	168
18	Silver-Mediated Trifluoromethylationâ€“Iodination of Arynes. Journal of the American Chemical Society, 2013, 135, 2955-2958.	6.6	157

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19	Iron-Catalyzed Difluoromethylation of Arylzincs with Difluoromethyl 2-Pyridyl Sulfone. Journal of the American Chemical Society, 2018, 140, 880-883.	6.6	155
20	Facile Synthesis of Chiral Î±-Difluoromethyl Amines fromN-(tert-Butylsulfinyl)aldimines. Angewandte Chemie - International Edition, 2005, 44, 5882-5886.	7.2	152
21	China's flourishing synthetic organofluorine chemistry: innovations in the new millennium. National Science Review, 2017, 4, 303-325.	4.6	143
22	Advances in Transition-Metal-Mediated Di-and Monofluoroalkylations. Acta Chimica Sinica, 2015, 73, 90.	0.5	141
23	Nucleophilic Fluoroalkylation of Î±,Î²-Enones, Arynes, and Activated Alkynes with Fluorinated Sulfones: Probing the Hard/Soft Nature of Fluorinated Carbanions. Journal of Organic Chemistry, 2008, 73, 5699-5713.	1.7	138
24	Contemporary synthetic strategies in organofluorine chemistry. Nature Reviews Methods Primers, 2021, 1, .	11.8	134
25	Chloride ion-catalyzed generation of difluorocarbene for efficient preparation of gem-difluorinated cyclopropenes and cyclopropanes. Chemical Communications, 2011, 47, 2411-2413.	2.2	133
26	Nucleophilic, radical, and electrophilic (phenylsulfonyl)difluoromethylations. Journal of Fluorine Chemistry, 2009, 130, 1130-1139.	0.9	131
27	Nucleophilic Fluoroalkylation of Epoxides with Fluorinated Sulfones. Journal of Organic Chemistry, 2006, 71, 6829-6833.	1.7	129
28	Efficient and Direct Nucleophilic Difluoromethylation of Carbonyl Compounds and Imines with Me₃SiCF₂H at Ambient or Low Temperature. Organic Letters, 2011, 13, 5342-5345.	2.4	127
29	Tuning the Reactivity of Difluoromethyl Sulfoximines from Electrophilic to Nucleophilic: Stereoselective Nucleophilic Difluoromethylation of Aryl Ketones. Journal of the American Chemical Society, 2012, 134, 16999-17002.	6.6	125
30	Fluorinated Sulfoximines: Preparation, Reactions and Applications. European Journal of Organic Chemistry, 2014, 2014, 4437-4451.	1.2	125
31	Copper-Mediated Trifluoromethylthiolation of Î±-Diazoesters. Organic Letters, 2014, 16, 2030-2033.	2.4	125
32	Nucleophilic difluoromethylation of carbonyl compounds using TMSCF2SO2Ph and Mg0-mediated desulfonylation. Tetrahedron Letters, 2005, 46, 8273-8277.	0.7	119
33	Palladiumâ€Catalyzed 2,2,2â€Trifluoroethylation of Organoboronic Acids and Esters. Angewandte Chemie - International Edition, 2012, 51, 1033-1036.	7.2	119
34	Efficient Difluoromethylation of Alcohols Using TMSCF₂Br as a Unique and Practical Difluorocarbene Reagent under Mild Conditions. Angewandte Chemie - International Edition, 2017, 56, 3206-3210.	7.2	115
35	A Remarkably Efficient Fluoroalkylation of Cyclic Sulfates and Sulfamidates with PhSO2CF2H: Facile Entry into Î²-Difluoromethylated or Î²-Difluoromethylenated Alcohols and Amines. Angewandte Chemie - International Edition, 2007, 46, 786-789.	7.2	110
36	Trifluoromethyl Benzoate: A Versatile Trifluoromethoxylation Reagent. Journal of the American Chemical Society, 2018, 140, 6801-6805.	6.6	104

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37	Stereoselective Nucleophilic Monofluoromethylation ofN-(tert-Butanesulfinyl)imines with Fluoromethyl Phenyl Sulfone. Organic Letters, 2006, 8, 1693-1696.	2.4	102
38	gemâ€Difluoroolefination of Diaryl Ketones and Enolizable Aldehydes with Difluoromethyl 2â€Pyridyl Sulfone: New Insights into the Juliaâ€“Kocienski Reaction. Chemistry - A European Journal, 2014, 20, 7803-7810.	1.7	102
39	Alkoxide- and Hydroxide-Induced Nucleophilic Trifluoromethylation Using Trifluoromethyl Sulfone or Sulfoxide. Organic Letters, 2003, 5, 3253-3256.	2.4	101
40	AgFâ€Mediated Fluorinative Crossâ€Coupling of Two Olefins: Facile Access to Î±â€CF₃ Alkenes and Î²â€CF₃ Ketones. Angewandte Chemie - International Edition, 2015, 54, 638-642.	7.2	100
41	From Olefination to Alkylation: In-Situ Halogenation of Juliaâ€“Kocienski Intermediates Leading to Formal Nucleophilic Iodo- and Bromodifluoromethylation of Carbonyl Compounds. Journal of the American Chemical Society, 2012, 134, 5790-5793.	6.6	98
42	Stereoselective Difluoromethylenation Using Me3SiCF2SPh: Synthesis of Chiral 2,4-Disubstituted 3,3-Difluoropyrrolidines. Angewandte Chemie - International Edition, 2007, 46, 2489-2492.	7.2	97
43	Copperâ€Catalyzed Difluoromethylation of Î²,Î³â€Unsaturated Carboxylic Acids: An Efficient Allylic Difluoromethylation. Angewandte Chemie - International Edition, 2012, 51, 11545-11547.	7.2	96
44	O-Trifluoromethylation of Phenols: Access to Aryl Trifluoromethyl Ethers by O-Carboxydifluoromethylation and Decarboxylative Fluorination. Organic Letters, 2016, 18, 3754-3757.	2.4	96
45	AgF-Mediated Fluorinative Homocoupling of gem-Difluoroalkenes. Organic Letters, 2014, 16, 102-105.	2.4	93
46	Copper-mediated trifluoromethylation of propiolic acids: facile synthesis of Î±-trifluoromethyl ketones. Chemical Science, 2013, 4, 3478.	3.7	92
47	Chlorodifluoromethyl phenyl sulfone: a novel non-ozone-depleting substance-based difluorocarbene reagent for O- and N-difluoromethylations. Chemical Communications, 2007, , 5149.	2.2	89
48	Direct monofluoromethylation of O-, S-, N-, and P-nucleophiles with PhSO(NTs)CH₂F: the accelerating effect of Î±-fluorine substitution. Chemical Science, 2014, 5, 117-122.	3.7	87
49	2-Chloro-2,2-difluoroacetophenone:Â A Non-ODS-Based Difluorocarbene Precursor and Its Use in the Difluoromethylation of Phenol Derivatives. Journal of Organic Chemistry, 2006, 71, 9845-9848.	1.7	86
50	Highly Stereoselective Synthesis of Monofluoroalkenes from Î±â€Fluorosulfoximines and Nitrones. Angewandte Chemie - International Edition, 2009, 48, 9858-9861.	7.2	86
51	Recent Advances in the Oneâ€Step Synthesis of Distally Fluorinated Ketones. Chemistry - A European Journal, 2016, 22, 3210-3223.	1.7	86
52	TMSCF₃ as a Convenient Source of CF₂=CF₂ for Pentafluoroethylation, (Aryloxy)tetrafluoroethylation, and Tetrafluoroethylation. Angewandte Chemie - International Edition, 2017, 56, 9971-9975.	7.2	86
53	Difluoromethyl Phenyl Sulfone as a Selective Difluoromethylene Dianion Equivalent: One-Pot Stereoselective Synthesis ofanti-2,2-Difluoropropane-1,3-diols. Angewandte Chemie - International Edition, 2003, 42, 5216-5219.	7.2	84
54	Copper-Mediated Fluoroalkylation Reactions with Iododifluoroacetamides: Controlling the Selectivity among Cross-Coupling, Intramolecular Cyclization, and Homocoupling Reactions. Journal of Organic Chemistry, 2010, 75, 5505-5512.	1.7	83

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55	Difluoromethyl 2-pyridyl sulfone: a versatile carbonyl gem-difluoroolefination reagent. Organic Chemistry Frontiers, 2015, 2, 163-168.	2.3	83
56	Difluoromethyl Phenyl Sulfone, a Difluoromethylidene Equivalent: Use in the Synthesis of 1,1-Difluoro-1-alkenes. Angewandte Chemie - International Edition, 2004, 43, 5203-5206.	7.2	80
57	Enantioselective Synthesis of Cyclopropanes That Contain Fluorinated Tertiary Stereogenic Carbon Centers: A Chiral Î±â€Fluoro Carbanion Strategy. Angewandte Chemie - International Edition, 2012, 51, 6966-6970.	7.2	80
58	Nucleophilic Difluoromethylation of Primary Alkyl Halides Using Difluoromethyl Phenyl Sulfone as a Difluoromethyl Anion Equivalent. Organic Letters, 2004, 6, 4315-4317.	2.4	76
59	Nucleophilic difluoromethylation and difluoromethylenation using bromodifluoromethyl phenyl sulfone. Journal of Fluorine Chemistry, 2005, 126, 1361-1367.	0.9	74
60	Difluoromethylation of Oâ€, Sâ€, Nâ€, Câ€Nucleophiles Using Difluoromethyltri(nâ€butyl)ammonium Chloride as a New Difluorocarbene Source. Chinese Journal of Chemistry, 2011, 29, 2717-2721.	2.6	74
61	Radical Fluoroalkylation of Isocyanides with Fluorinated Sulfones by Visibleâ€Light Photoredox Catalysis. Angewandte Chemie, 2016, 128, 2793-2797.	1.6	74
62	Copper-Mediated Trifluoromethylation Using Phenyl Trifluoromethyl Sulfoxide. Organic Letters, 2015, 17, 298-301.	2.4	72
63	Electrophilic (phenylsulfonyl)difluoromethylation of thiols with a hypervalent iodine(III)â€“CF2SO2Ph reagent. Tetrahedron Letters, 2008, 49, 5006-5008.	0.7	71
64	Palladium-Catalyzed Monofluoromethylation of Arylboronic Esters with Fluoromethyl Iodide. Organic Letters, 2015, 17, 3086-3089.	2.4	71
65	Radical (Phenylsulfonyl)difluoromethylation of Isocyanides with PhSO₂CF₂H under Transition-Metal-Free Conditions. Organic Letters, 2016, 18, 5912-5915.	2.4	67
66	A novel photoredox-active group for the generation of fluorinated radicals from difluorostyrenes. Chemical Science, 2020, 11, 737-741.	3.7	67
67	From Difluoromethyl 2â€Pyridyl Sulfone to Difluorinated Sulfonates: A Protocol for Nucleophilic Difluoro(sulfonato)methylation. Angewandte Chemie - International Edition, 2011, 50, 2559-2563.	7.2	66
68	Convenient Synthesis of Difluoromethyl Alcohols from Both Enolizable and Non-Enolizable Carbonyl Compounds with Difluoromethyl Phenyl Sulfone. European Journal of Organic Chemistry, 2005, 2005, 2218-2223.	1.2	65
69	Radical (Phenylsulfonyl)difluoromethylation with Iododifluoromethyl Phenyl Sulfone. Journal of Organic Chemistry, 2007, 72, 5824-5827.	1.7	65
70	1-tert-Butyl-1H-tetrazol-5-yl fluoromethyl sulfone (TBTSO2CH2F): a versatile fluoromethylidene synthon and its use in the synthesis of monofluorinated alkenes via Juliaâ€“Kocienski olefination. Tetrahedron, 2010, 66, 5089-5100.	1.0	65
71	Spontaneous Resolution of Julia-Kocienski Intermediates Facilitates Phase Separation to Produce Z- and E-Monofluoroalkenes. Journal of the American Chemical Society, 2015, 137, 5199-5203.	6.6	65
72	Nucleophilic (phenylsulfonyl)difluoromethylation of alkyl halides using PhSO2CF2SiMe3: preparation of gem-difluoroalkenes and trifluoromethyl compounds. Tetrahedron Letters, 2010, 51, 6150-6152.	0.7	64

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73	Selective Fluoroalkylation of Organic Compounds by Tackling the â€œNegative Fluorine Effectâ€• Topics in Current Chemistry, 2011, 308, 25-44.	4.0	64
74	Chen's Reagent: A Versatile Reagent for Trifluoromethylation, Difluoromethylenation, and Difluoroalkylation in Organic Synthesis^{â€}. Chinese Journal of Chemistry, 2020, 38, 202-212.	2.6	64
75	A General Protocol for Câ^'H Difluoromethylation of Carbon Acids with TMSCF₂Br. Angewandte Chemie - International Edition, 2019, 58, 6405-6410.	7.2	63
76	Diphenyliodoniumâ€Catalyzed Fluorination of Arynes: Synthesis of orthoâ€Fluoroiodoarenes. Angewandte Chemie - International Edition, 2015, 54, 10773-10777.	7.2	61
77	Deoxyfluorination of alcohols with 3,3-difluoro-1,2-diarylcyclopropenes. Nature Communications, 2016, 7, 13320.	5.8	61
78	Hypervalent Iodine(III)â€Catalyzed Balzâ€“Schiemann Fluorination under Mild Conditions. Angewandte Chemie - International Edition, 2018, 57, 9896-9900.	7.2	61
79	Silverâ€Catalyzed Formal Insertion of Arynes into R_fï£¿I Bonds. Chemistry - A European Journal, 2014, 20, 6866-6870.	1.7	60
80	Bis(difluoromethyl)trimethylsilicate Anion: A Key Intermediate in Nucleophilic Difluoromethylation of Enolizable Ketones with Me₃SiCF₂H. Angewandte Chemie - International Edition, 2016, 55, 12632-12636.	7.2	60
81	Copper-Mediated Fluoroalkylation of Aryl Iodides Enables Facile Access to Diverse Fluorinated Compounds: The Important Role of the (2-Pyridyl)sulfonyl Group. Organic Letters, 2012, 14, 6080-6083.	2.4	59
82	Copper-Catalyzed Debenzoylative Monofluoromethylation of Aryl Iodides Assisted by the Removable (2-Pyridyl)sulfonyl Group. ACS Catalysis, 2013, 3, 631-634.	5.5	57
83	Rapid Deoxyfluorination of Alcohols with Nâ€Tosylâ€4â€chlorobenzenesulfonimidoyl Fluoride (SulfoxFluor) at Room Temperature. Chemistry - A European Journal, 2019, 25, 7259-7264.	1.7	56
84	Nucleophilic Fluoromethylation of Aldehydes with Fluorobis(phenylsulfonyl)methane: The Importance of Strong Liâ€“O Coordination and Fluorine Substitution for Cï£¿C Bond Formation. Angewandte Chemie - International Edition, 2011, 50, 2588-2592.	7.2	54
85	Deoxygenative gem-difluoroolefination of carbonyl compounds with (chlorodifluoromethyl)trimethylsilane and triphenylphosphine. Beilstein Journal of Organic Chemistry, 2014, 10, 344-351.	1.3	54
86	Stereoselective Synthesis of Di- and Monofluoromethylated Vicinal Ethylenediamines with Di- and Monofluoromethyl Sulfones. Journal of Organic Chemistry, 2007, 72, 3119-3121.	1.7	53
87	Stereoselective Nucleophilic Fluoromethylation of Aryl Ketones: Dynamic Kinetic Resolution of Chiral Î±â€Fluoro Carbanions. Angewandte Chemie - International Edition, 2014, 53, 775-779.	7.2	51
88	Free radical (phenylsulfonyl)difluoromethylation of alkynes with PhSO2CF2I reagent: stereoselective preparation of PhSO2CF2- and CF2H-substituted alkenes. Tetrahedron, 2009, 65, 478-483.	1.0	50
89	Highly Diastereoselective Synthesis of Î±â€Difluoromethyl Amines from Nâ€tertâ€Butylsulfinyl Ketimines and Difluoromethyl Phenyl Sulfone. Chemistry - A European Journal, 2010, 16, 11443-11454.	1.7	50
90	Efficient Synthesis and Ringâ€Opening Reactions of Monofluorinated Epoxides Derived from Î±â€Fluorosulfoximines. Advanced Synthesis and Catalysis, 2010, 352, 2799-2804.	2.1	49

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91	Nucleophilic Perfluoroalkylation of Imines and Carbonyls: Perfluoroalkyl Sulfones as Efficient Perfluoroalkyl-Transfer Motifs. Organic Letters, 2010, 12, 2932-2935.	2.4	48
92	Stereoselective Carbonyl Olefination with Fluorosulfoximines: Facile Access to Z or E Terminal Monofluoroalkenes. Angewandte Chemie - International Edition, 2017, 56, 619-623.	7.2	48
93	Stereoselective Monofluoromethylation of N-tert-Butylsulfinyl Ketimines Using Pregenerated Fluoro(phenylsulfonyl)methyl Anion. Organic Letters, 2008, 10, 5377-5380.	2.4	47
94	Synthesis of fluorinated chiral amines usingN-tert-butylsulfinyl imines. Future Medicinal Chemistry, 2009, 1, 875-888.	1.1	47
95	Reactions of Sulfur- and Phosphorus-Substituted Fluoroalkylating Silicon Reagents with Imines and Enamines under Acidic Conditions. Journal of Organic Chemistry, 2012, 77, 2080-2086.	1.7	47
96	Enantioselective nucleophilic difluoromethylation of aromatic aldehydes with Me₃SiCF₂SO₂Ph and PhSO₂CF₂H reagents catalyzed by chiral quaternary ammonium salts. Beilstein Journal of Organic Chemistry, 2008, 4, 21.	1.3	45
97	Chlorodifluoromethyl aryl ketones and sulfones as difluorocarbene reagents: The substituent effect. Journal of Fluorine Chemistry, 2011, 132, 521-528.	0.9	45
98	Silver-Mediated Trifluoromethylthiolationâ€“Iodination of Arynes. Organic Letters, 2016, 18, 856-859.	2.4	44
99	From C₁ to C₂: TMSCF₃ as a Precursor for Pentafluoroethylation. Angewandte Chemie - International Edition, 2018, 57, 13211-13215.	7.2	43
100	Stereoselective synthesis of Î±-difluoromethyl-Î²-amino alcohols via nucleophilic difluoromethylation with Me3SiCF2SO2Ph. Tetrahedron Letters, 2008, 49, 1605-1608.	0.7	42
101	Synthesis of Fluorinated Î²-Ketosulfones and gem-Disulfones by Nucleophilic Fluoroalkylation of Esters and Sulfinates with Di- and Monofluoromethyl Sulfones. Journal of Organic Chemistry, 2009, 74, 3767-3771.	1.7	42
102	Stereoselective [3+2] cycloaddition of N-tert-butanesulfinyl imines to arynes facilitated by a removable PhSO₂CF₂ group: synthesis and transformation of cyclic sulfoximines. Chemical Communications, 2014, 50, 10596-10599.	2.2	41
103	Copper-Catalyzed Trifluoromethylation of Polysubstituted Alkenes Assisted by Decarboxylation. Organic Letters, 2016, 18, 72-75.	2.4	38
104	Divergent Rearrangements of Cyclopropyl-Substituted Fluoroepoxides Involving Câ€“F Bond Cleavage and Formation. Organic Letters, 2014, 16, 888-891.	2.4	36
105	Radical Fluoroalkylation of Aryl Alkenes with Fluorinated Sulfones by Visible-Light Photoredox Catalysis. Acta Chimica Sinica, 2017, 75, 105.	0.5	36
106	Deoxyfluorination of Carboxylic Acids with CpFluor: Access to Acyl Fluorides and Amides. Organic Letters, 2021, 23, 1764-1768.	2.4	35
107	Copper-mediated aerobic (phenylsulfonyl)difluoromethylation of arylboronic acids with difluoromethyl phenyl sulfone. Chemical Communications, 2016, 52, 3657-3660.	2.2	34
108	Difluorocarbene-Triggered Cyclization: Synthesis of (Hetero)arene-Fused 2,2-Difluoro-2,3-dihydrothiophenes. Organic Letters, 2020, 22, 7047-7051.	2.4	34

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109	From C₁ to C₃: Copperâ€Catalyzed gemâ€Bis(trifluoromethyl)olefination of Î±â€Diazo Esters with TMSCF₃. Angewandte Chemie - International Edition, 2020, 59, 8507-8511.	7.2	34
110	Copper(0)-mediated fluoroalkylation of iodobenzene with 2-bromo-1,1,2,2-tetrafluoroethyl compounds: Investigation on the influence of R substituent on the reactivity of RCF2Cu species. Journal of Fluorine Chemistry, 2015, 171, 139-147.	0.9	33
111	The stability and reactivity of tri-, di-, and monofluoromethyl/methoxy/methylthio groups on arenes under acidic and basic conditions. Organic Chemistry Frontiers, 2017, 4, 214-223.	2.3	33
112	Nucleophilic (Phenylsulfonyl/arylthio)difluoromethylation of Aldehydes with TMSCF₂Br: A Three-Component Strategy. Organic Letters, 2019, 21, 9138-9141.	2.4	33
113	Electrochemical reduction of fluoroalkyl sulfones for radical fluoroalkylation of alkenes. Chemical Communications, 2021, 57, 8750-8753.	2.2	33
114	Fluoroâ€Hydroxylation of gemâ€Difluoroalkenes: Synthesis of ¹⁸Oâ€labeled Î±â€CF₃ Alcohols. Chinese Journal of Chemistry, 2018, 36, 1202-1208.	2.6	32
115	Fluoride ion-mediated nucleophilic fluoroalkylation of alkyl halides with Me3SiCF2SPh: Synthesis of PhSCF2- and CF2H-containing compounds. Journal of Fluorine Chemistry, 2008, 129, 382-385.	0.9	31
116	Controllable double CF₂-insertion into sp² Câ€“Cu bond using TMSCF₃: a facile access to tetrafluoroethylene-bridged structures. Chemical Science, 2020, 11, 276-280.	3.7	31
117	DIAD-mediated metal-free cross dehydrogenative coupling between tertiary amines and Î±-fluorinated sulfones. New Journal of Chemistry, 2013, 37, 1684-1687.	1.4	30
118	Nucleophilic Iododifluoromethylation of Carbonyl Compounds Using Difluoromethyl 2-Pyridyl Sulfone. Organic Letters, 2016, 18, 2766-2769.	2.4	30
119	Copperâ€Mediated Diâ€•and Monofluoromethanesulfonylation of Arenediazonium Tetrafluoroborates: Probing the Fluorine Effect. Chinese Journal of Chemistry, 2018, 36, 206-212.	2.6	30
120	Facile preparation of difluoromethyl- and monofluoromethyl-containing amides via Ritter reaction. Tetrahedron Letters, 2006, 47, 6753-6756.	0.7	29
121	Palladium/acetic acid-catalyzed fluoroalkylation of alkynes with monofluorinated sulfones as pronucleophiles. Tetrahedron Letters, 2009, 50, 7252-7255.	0.7	29
122	Difluoro(phenylchalcogen)methylation of aldehydes, ketones, and imines with S-, Se-, and Te-containing reagents PhXCF2H (X=S, Se, Te). Journal of Fluorine Chemistry, 2012, 135, 45-58.	0.9	29
123	Stereoselective Carbonyl Olefination with Fluorosulfoximines: Facile Access to Z or E Terminal Monofluoroalkenes. Angewandte Chemie, 2017, 129, 634-638.	1.6	28
124	Nickel-Catalyzed Reductive 2-Pyridination of Aryl Iodides with Difluoromethyl 2-Pyridyl Sulfone. Organic Letters, 2021, 23, 711-715.	2.4	28
125	Nucleophilic difluoromethylation of CN bonds in heterocycles with difluoromethyl silane reagents. Tetrahedron, 2012, 68, 5137-5144.	1.0	27
126	Transition-Metal-Free Desulfinative Cross-Coupling of Heteroaryl Sulfinates with Grignard Reagents. Organic Letters, 2019, 21, 937-940.	2.4	27

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127	TMSCF₂Brâ€Enabled Fluorinationâ€“Aminocarbonylation of Aldehydes: Modular Access to Î±â€Fluoroamides. Angewandte Chemie - International Edition, 2022, 61, .	7.2	27
128	Nucleophilic Difluoromethylation of Epoxides with PhSO(NTBS)CF₂H by a Preorganization Strategy. Chemistry - A European Journal, 2014, 20, 6795-6800.	1.7	25
129	Fluoroalkylation of Various Nucleophiles with Fluoroalkyl Sulfones through a Single Electron Transfer Process. Journal of Organic Chemistry, 2019, 84, 8345-8359.	1.7	25
130	Controllable Single and Double Difluoromethylene Insertions into Câ€“Cu Bonds: Copper-Mediated Tetrafluoroethylation and Hexafluoropropylation of Aryl Iodides with TMSCF₂H and TMSCF₂Br. Journal of the American Chemical Society, 2022, 144, 12202-12211.	6.6	25
131	Reaction of Baylisâ€“Hillman Adducts with Fluorinated Silanes. European Journal of Organic Chemistry, 2010, 2010, 6779-6785.	1.2	24
132	Selective Incorporation of Difluoromethylene Moieties into Arenes Assisted by Transition Metals. Chimia, 2014, 68, 414.	0.3	24
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