

# Jinbo Hu

## List of Publications by Citations

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62  
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274  
ext. papers

13,180  
ext. citations

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L-index

#	Paper	IF	Citations
223	Good partnership between sulfur and fluorine: sulfur-based fluorination and fluoroalkylation reagents for organic synthesis. <i>Chemical Reviews</i> , <b>2015</b> , 115, 765-825	68.1	800
222	Selective difluoromethylation and monofluoromethylation reactions. <i>Chemical Communications</i> , <b>2009</b> , 7465-78	5.8	501
221	The unique fluorine effects in organic reactions: recent facts and insights into fluoroalkylations. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 5441-5454	58.5	349
220	Selective fluoroalkylations with fluorinated sulfones, sulfoxides, and sulfides. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 921-30	24.3	292
219	Radical Fluoroalkylation of Isocyanides with Fluorinated Sulfones by Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 2743-7	16.4	242
218	Synthesis of gem-difluorocyclopropa(e)nes and O-, S-, N-, and P-difluoromethylated compounds with TMSCF(2)Br. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12390-4	16.4	227
217	Copper-catalyzed di- and trifluoromethylation of $\alpha$ -unsaturated carboxylic acids: a protocol for vinylic fluoroalkylations. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3944-7	16.4	205
216	Synthesis of gem-difluorinated cyclopropanes and cyclopropenes: trifluoromethyltrimethylsilane as a difluorocarbene source. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 7153-7	16.4	205
215	Recent Advances in the Synthetic Application of Difluorocarbene. <i>Synthesis</i> , <b>2014</b> , 46, 842-863	2.9	189
214	Metal-Catalyzed Direct Difluoromethylation Reactions. <i>Asian Journal of Organic Chemistry</i> , <b>2017</b> , 6, 139-152	3.52	183
213	Difluoromethyl 2-pyridyl sulfone: a new gem-difluoroolefination reagent for aldehydes and ketones. <i>Organic Letters</i> , <b>2010</b> , 12, 1444-7	6.2	175
212	gem-Difluoroolefination of Diazo Compounds with TMSCF <sub>3</sub> or TMSCF <sub>2</sub> Br: Transition-Metal-Free Cross-Coupling of Two Carbene Precursors. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 14496-501	16.4	174
211	Copper-catalyzed gem-difluoroolefination of diazo compounds with TMSCF <sub>3</sub> via C-F bond cleavage. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17302-5	16.4	174
210	N-Tosyl-S-difluoromethyl-S-phenylsulfoximine: a new difluoromethylation reagent for S-, N-, and C-nucleophiles. <i>Organic Letters</i> , <b>2009</b> , 11, 2109-12	6.2	172
209	Copper-mediated trifluoromethylation of diazo esters with TMSCF <sub>3</sub> : the important role of water as a promoter. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 15257-60	16.4	148
208	Silver-mediated trifluoromethylation-iodination of arynes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2955-8	16.4	147
207	Facile synthesis of chiral alpha-difluoromethyl amines from N-(tert-butylsulfinyl)aldimines. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 5882-6	16.4	143

206	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. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 4457-63	4.2	140
205	Fluoroalkylative aryl migration of conjugated N-arylsulfonylated amides using easily accessible sodium di- and monofluoroalkanesulfinates. <i>Organic Letters</i> , <b>2015</b> , 17, 1838-41	6.2	134
204	Nucleophilic fluoroalkylation of alpha,beta-enones, arynes, and activated alkynes with fluorinated sulfones: probing the hard/soft nature of fluorinated carbanions. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 5699-713	4.2	129
203	Nucleophilic fluoroalkylation of epoxides with fluorinated sulfones. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 6829-33	4.2	118
202	Advances in Transition-Metal-Mediated Di- and Monofluoroalkylations. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 90	3.3	117
201	Nucleophilic, radical, and electrophilic (phenylsulfonyl)difluoromethylations. <i>Journal of Fluorine Chemistry</i> , <b>2009</b> , 130, 1130-1139	2.1	113
200	Copper-mediated trifluoromethylthiolation of diazoesters. <i>Organic Letters</i> , <b>2014</b> , 16, 2030-3	6.2	110
199	Iron-Catalyzed Difluoromethylation of Arylzincs with Difluoromethyl 2-Pyridyl Sulfone. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 880-883	16.4	109
198	Palladium-catalyzed 2,2,2-trifluoroethylation of organoboronic acids and esters. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1033-6	16.4	107
197	Efficient and direct nucleophilic difluoromethylation of carbonyl compounds and imines with Me <sub>3</sub> SiCF <sub>2</sub> H at ambient or low temperature. <i>Organic Letters</i> , <b>2011</b> , 13, 5342-5	6.2	107
196	Nucleophilic difluoromethylation of carbonyl compounds using TMSCF <sub>2</sub> SO <sub>2</sub> Ph and Mg <sup>0</sup> -mediated desulfonylation. <i>Tetrahedron Letters</i> , <b>2005</b> , 46, 8273-8277	2	106
195	Tuning the reactivity of difluoromethyl sulfoximines from electrophilic to nucleophilic: stereoselective nucleophilic difluoromethylation of aryl ketones. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 16999-7002	16.4	103
194	Chloride ion-catalyzed generation of difluorocarbene for efficient preparation of gem-difluorinated cyclopropenes and cyclopropanes. <i>Chemical Communications</i> , <b>2011</b> , 47, 2411-3	5.8	103
193	Fluorinated Sulfoximines: Preparation, Reactions and Applications. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 4437-4451	3.2	98
192	A remarkably efficient fluoroalkylation of cyclic sulfates and sulfamidates with PhSO <sub>2</sub> CF <sub>2</sub> H: facile entry into beta-difluoromethylated or beta-difluoromethylenated alcohols and amines. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 786-9	16.4	97
191	China's flourishing synthetic organofluorine chemistry: innovations in the new millennium. <i>National Science Review</i> , <b>2017</b> , 4, 303-325	10.8	94
190	Stereoselective nucleophilic monofluoromethylation of N-(tert-butanesulfinyl)imines with fluoromethyl phenyl sulfone. <i>Organic Letters</i> , <b>2006</b> , 8, 1693-6	6.2	91
189	Stereoselective difluoromethylenation using Me <sub>3</sub> SiCF <sub>2</sub> SPh: synthesis of chiral 2,4-disubstituted 3,3-difluoropyrrolidines. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2489-92	16.4	89

- 188 Alkoxide- and hydroxide-induced nucleophilic trifluoromethylation using trifluoromethyl sulfone or sulfoxide. *Organic Letters*, **2003**, 5, 3253-6 6.2 87
- 187 gem-Difluoroolefination of diaryl ketones and enolizable aldehydes with difluoromethyl 2-pyridyl sulfone: new insights into the Julia-Kocienski reaction. *Chemistry - A European Journal*, **2014**, 20, 7803-10<sup>4.8</sup> 84
- 186 From olefination to alkylation: in-situ halogenation of Julia-Kocienski intermediates leading to formal nucleophilic iodo- and bromodifluoromethylation of carbonyl compounds. *Journal of the American Chemical Society*, **2012**, 134, 5790-3 16.4 83
- 185 Copper-mediated trifluoromethylation of propiolic acids: facile synthesis of trifluoromethyl ketones. *Chemical Science*, **2013**, 4, 3478 9.4 82
- 184 Chlorodifluoromethyl phenyl sulfone: a novel non-ozone-depleting substance-based difluorocarbene reagent for O- and N-difluoromethylations. *Chemical Communications*, **2007**, 5149-51 5.8 81
- 183 Copper-catalyzed difluoromethylation of  $\beta$ -unsaturated carboxylic acids: an efficient allylic difluoromethylation. *Angewandte Chemie - International Edition*, **2012**, 51, 11545-7 16.4 80
- 182 2-Chloro-2,2-difluoroacetophenone: a non-ODS-based difluorocarbene precursor and its use in the difluoromethylation of phenol derivatives. *Journal of Organic Chemistry*, **2006**, 71, 9845-8 4.2 77
- 181 Difluoromethyl phenyl sulfone as a selective difluoromethylene dianion equivalent: one-pot stereoselective synthesis of anti-2,2-difluoropropane-1,3-diols. *Angewandte Chemie - International Edition*, **2003**, 42, 5216-9 16.4 76
- 180 Recent Advances in the One-Step Synthesis of Distally Fluorinated Ketones. *Chemistry - A European Journal*, **2016**, 22, 3210-3223 4.8 76
- 179 Trifluoromethyl Benzoate: A Versatile Trifluoromethoxylation Reagent. *Journal of the American Chemical Society*, **2018**, 140, 6801-6805 16.4 76
- 178 O-Trifluoromethylation of Phenols: Access to Aryl Trifluoromethyl Ethers by O-Carboxydifluoromethylation and Decarboxylative Fluorination. *Organic Letters*, **2016**, 18, 3754-7 6.2 75
- 177 Copper-mediated fluoroalkylation reactions with iododifluoroacetamides: controlling the selectivity among cross-coupling, intramolecular cyclization, and homocoupling reactions. *Journal of Organic Chemistry*, **2010**, 75, 5505-12 4.2 75
- 176 AgF-mediated fluorinative homocoupling of gem-difluoroalkenes. *Organic Letters*, **2014**, 16, 102-5 6.2 74
- 175 Highly stereoselective synthesis of monofluoroalkenes from alpha-fluorosulfoximines and nitrones. *Angewandte Chemie - International Edition*, **2009**, 48, 9858-61 16.4 72
- 174 Difluoromethyl phenyl sulfone, a difluoromethylidene equivalent: use in the synthesis of 1,1-difluoro-1-alkenes. *Angewandte Chemie - International Edition*, **2004**, 43, 5203-6 16.4 72
- 173 Nucleophilic difluoromethylation of primary alkyl halides using difluoromethyl phenyl sulfone as a difluoromethyl anion equivalent. *Organic Letters*, **2004**, 6, 4315-7 6.2 70
- 172 Enantioselective synthesis of cyclopropanes that contain fluorinated tertiary stereogenic carbon centers: a chiral fluoro carbanion strategy. *Angewandte Chemie - International Edition*, **2012**, 51, 6966-70<sup>16.4</sup> 69
- 171 Nucleophilic difluoromethylation and difluoromethylenation using bromodifluoromethyl phenyl sulfone. *Journal of Fluorine Chemistry*, **2005**, 126, 1361-1367 2.1 69

170	Efficient Difluoromethylation of Alcohols Using TMSCF Br as a Unique and Practical Difluorocarbene Reagent under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 3206-3210	16.4	67
169	Direct monofluoromethylation of O-, S-, N-, and P-nucleophiles with PhSO(NTs)CH <sub>2</sub> F: the accelerating effect of fluorine substitution. <i>Chemical Science</i> , <b>2014</b> , 5, 117-122	9.4	66
168	Electrophilic (phenylsulfonyl)difluoromethylation of thiols with a hypervalent iodine(III) CF <sub>2</sub> SO <sub>2</sub> Ph reagent. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 5006-5008	2	66
167	Difluoromethyl 2-pyridyl sulfone: a versatile carbonyl gem-difluoroolefination reagent. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 163-168	5.2	65
166	Radical Fluoroalkylation of Isocyanides with Fluorinated Sulfones by Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2793-2797	3.6	65
165	Difluoromethylation of O-, S-, N-, C-Nucleophiles Using Difluoromethyltri(n-butyl)ammonium Chloride as a New Difluorocarbene Source. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 2717-2721	4.9	64
164	Copper-mediated trifluoromethylation using phenyl trifluoromethyl sulfoxide. <i>Organic Letters</i> , <b>2015</b> , 17, 298-301	6.2	63
163	Synthesis of gem-Difluorocyclopropa(n)es and O-, S-, N-, and P-Difluoromethylated Compounds with TMSCF <sub>2</sub> Br. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12616-12620	3.6	63
162	Convenient Synthesis of Difluoromethyl Alcohols from Both Enolizable and Non-Enolizable Carbonyl Compounds with Difluoromethyl Phenyl Sulfone. <i>European Journal of Organic Chemistry</i> , <b>2005</b> , 2005, 2218-2223	3.2	63
161	Radical (phenylsulfonyl)difluoromethylation with iododifluoromethyl phenyl sulfone. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 5824-7	4.2	62
160	Copper-Catalyzed Di- and Trifluoromethylation of $\alpha$ -Unsaturated Carboxylic Acids: A Protocol for Vinylic Fluoroalkylations. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 4010-4013	3.6	61
159	Synthesis of gem-Difluorinated Cyclopropanes and Cyclopropenes: Trifluoromethyltrimethylsilane as a Difluorocarbene Source. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 7291-7295	3.6	60
158	Nucleophilic (phenylsulfonyl)difluoromethylation of alkyl halides using PhSO <sub>2</sub> CF <sub>2</sub> SiMe <sub>3</sub> : preparation of gem-difluoroalkenes and trifluoromethyl compounds. <i>Tetrahedron Letters</i> , <b>2010</b> , 51, 6150 <sup>2</sup> -6152 <sup>59</sup>		
157	TMSCF as a Convenient Source of CF =CF for Pentafluoroethylation, (Aryloxy)tetrafluoroethylation, and Tetrafluoroethylation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9971-9975	16.4	58
156	Palladium-Catalyzed Monofluoromethylation of Arylboronic Esters with Fluoromethyl Iodide. <i>Organic Letters</i> , <b>2015</b> , 17, 3086-9	6.2	58
155	Selective fluoroalkylation of organic compounds by tackling the "negative fluorine effect". <i>Topics in Current Chemistry</i> , <b>2012</b> , 308, 25-44		58
154	From difluoromethyl 2-pyridyl sulfone to difluorinated sulfonates: a protocol for nucleophilic difluoro(sulfonato)methylation. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 2559-63	16.4	54
153	1-tert-Butyl-1H-tetrazol-5-yl fluoromethyl sulfone (TBTSO <sub>2</sub> CH <sub>2</sub> F): a versatile fluoromethylidene synthon and its use in the synthesis of monofluorinated alkenes via Julia-Rocienski olefination. <i>Tetrahedron</i> , <b>2010</b> , 66, 5089-5100	2.4	54

- 152 Radical (Phenylsulfonyl)difluoromethylation of Isocyanides with PhSO<sub>2</sub>CF<sub>2</sub>H under Transition-Metal-Free Conditions. *Organic Letters*, **2016**, 18, 5912-5915 6.2 53
- 151 Silver-catalyzed formal insertion of arynes into Rf-I bonds. *Chemistry - A European Journal*, **2014**, 20, 6866-6870 4.8 52
- 150 Stereoselective synthesis of di- and monofluoromethylated vicinal ethylenediamines with di- and monofluoromethyl sulfones. *Journal of Organic Chemistry*, **2007**, 72, 3119-21 4.2 51
- 149 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, 6080-3 6.2 50
- 148 Nucleophilic fluoromethylation of aldehydes with fluorobis(phenylsulfonyl)methane: the importance of strong Li-O coordination and fluorine substitution for C-C bond formation. *Angewandte Chemie - International Edition*, **2011**, 50, 2588-92 16.4 48
- 147 Free radical (phenylsulfonyl)difluoromethylation of alkynes with PhSO<sub>2</sub>CF<sub>2</sub>I reagent: stereoselective preparation of PhSO<sub>2</sub>CF<sub>2</sub>- and CF<sub>2</sub>H-substituted alkenes. *Tetrahedron*, **2009**, 65, 478-483 3.4 48
- 146 Bis(difluoromethyl)trimethylsilicate Anion: A Key Intermediate in Nucleophilic Difluoromethylation of Enolizable Ketones with Me<sub>3</sub>SiCF<sub>2</sub>H. *Angewandte Chemie - International Edition*, **2016**, 55, 12632-6 16.4 46
- 145 Spontaneous resolution of Julia-Kocienski intermediates facilitates phase separation to produce Z- and E-monofluoroalkenes. *Journal of the American Chemical Society*, **2015**, 137, 5199-203 16.4 45
- 144 Deoxygenative gem-difluoroolefination of carbonyl compounds with (chlorodifluoromethyl)trimethylsilane and triphenylphosphine. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 344-51 2.5 45
- 143 Copper-Catalyzed Debenzoylative Monofluoromethylation of Aryl Iodides Assisted by the Removable (2-Pyridyl)sulfonyl Group. *ACS Catalysis*, **2013**, 3, 631-634 13.1 45
- 142 AgF-mediated fluorinative cross-coupling of two olefins: facile access to  $\beta$ -CF<sub>3</sub> alkenes and  $\beta$ -CF<sub>3</sub> ketones. *Angewandte Chemie - International Edition*, **2015**, 54, 638-42 16.4 44
- 141 Reactions of sulfur- and phosphorus-substituted fluoroalkylating silicon reagents with imines and enamines under acidic conditions. *Journal of Organic Chemistry*, **2012**, 77, 2080-6 4.2 44
- 140 Diphenyliodonium-Catalyzed Fluorination of Arynes: Synthesis of ortho-Fluoroiodoarenes. *Angewandte Chemie - International Edition*, **2015**, 54, 10773-7 16.4 43
- 139 Synthesis of fluorinated chiral amines using N-tert-butylsulfinyl imines. *Future Medicinal Chemistry*, **2009**, 1, 875-88 4.1 43
- 138 Highly diastereoselective synthesis of  $\beta$ -difluoromethyl amines from N-tert-butylsulfinyl ketimines and difluoromethyl phenyl sulfone. *Chemistry - A European Journal*, **2010**, 16, 11443-54 4.8 43
- 137 Facile Synthesis of Chiral  $\beta$ -Difluoromethyl Amines from N-(tert-Butylsulfinyl)aldimines. *Angewandte Chemie*, **2005**, 117, 6032-6036 3.6 43
- 136 Stereoselective monofluoromethylation of N-tert-butylsulfinyl ketimines using pregenerated fluoro(phenylsulfonyl)methyl anion. *Organic Letters*, **2008**, 10, 5377-80 6.2 42
- 135 Chlorodifluoromethyl aryl ketones and sulfones as difluorocarbene reagents: The substituent effect. *Journal of Fluorine Chemistry*, **2011**, 132, 521-528 2.1 41



134	Stereoselective nucleophilic fluoromethylation of aryl ketones: dynamic kinetic resolution of chiral $\beta$ -fluoro carbanions. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 775-9	16.4	40
133	Nucleophilic perfluoroalkylation of imines and carbonyls: perfluoroalkyl sulfones as efficient perfluoroalkyl-transfer motifs. <i>Organic Letters</i> , <b>2010</b> , 12, 2932-5	6.2	40
132	Efficient Synthesis and Ring-Opening Reactions of Monofluorinated Epoxides Derived from $\beta$ -Fluorosulfoximines. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 2799-2804	5.6	38
131	Enantioselective nucleophilic difluoromethylation of aromatic aldehydes with Me <sub>3</sub> SiCF <sub>2</sub> SO <sub>2</sub> Ph and PhSO <sub>2</sub> CF <sub>2</sub> H reagents catalyzed by chiral quaternary ammonium salts. <i>Beilstein Journal of Organic Chemistry</i> , <b>2008</b> , 4, 21	2.5	38
130	Stereoselective synthesis of $\beta$ -difluoromethyl- $\beta$ -amino alcohols via nucleophilic difluoromethylation with Me <sub>3</sub> SiCF <sub>2</sub> SO <sub>2</sub> Ph. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 1605-1608	2	37
129	Synthesis of fluorinated beta-ketosulfones and gem-disulfones by nucleophilic fluoroalkylation of esters and sulfinates with di- and monofluoromethyl sulfones. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 3767-71	4.2	36
128	Deoxyfluorination of alcohols with 3,3-difluoro-1,2-diarylcyclopropenes. <i>Nature Communications</i> , <b>2016</b> , 7, 13320	17.4	35
127	Copper-Catalyzed Trifluoromethylation of Polysubstituted Alkenes Assisted by Decarboxylation. <i>Organic Letters</i> , <b>2016</b> , 18, 72-5	6.2	35
126	Palladium-Catalyzed 2,2,2-Trifluoroethylation of Organoboronic Acids and Esters. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1057-1060	3.6	35
125	A General Protocol for C-H Difluoromethylation of Carbon Acids with TMSCF <sub>2</sub> Br. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6405-6410	16.4	34
124	Stereoselective Carbonyl Olefination with Fluorosulfoximines: Facile Access to Z or E Terminal Monofluoroalkenes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 619-623	16.4	34
123	Silver-Mediated Trifluoromethylthiolation-Iodination of Arynes. <i>Organic Letters</i> , <b>2016</b> , 18, 856-9	6.2	33
122	Hypervalent Iodine(III)-Catalyzed Balz-Schiemann Fluorination under Mild Conditions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9896-9900	16.4	33
121	AgF-Mediated Fluorinative Cross-Coupling of Two Olefins: Facile Access to $\beta$ -CF <sub>3</sub> Alkenes and $\beta$ -CF <sub>3</sub> Ketones. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 648-652	3.6	33
120	Copper-Catalyzed Difluoromethylation of $\beta$ -Unsaturated Carboxylic Acids: An Efficient Allylic Difluoromethylation. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 11713-11715	3.6	33
119	Rapid Deoxyfluorination of Alcohols with N-Tosyl-4-chlorobenzenesulfonimidoyl Fluoride (SulfoxFluor) at Room Temperature. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7259-7264	4.8	32
118	A novel photoredox-active group for the generation of fluorinated radicals from difluorostyrenes. <i>Chemical Science</i> , <b>2019</b> , 11, 737-741	9.4	30
117	Stereoselective [3+2] cycloaddition of N-tert-butanesulfinyl imines to arynes facilitated by a removable PhSO <sub>2</sub> CF <sub>2</sub> group: synthesis and transformation of cyclic sulfoximines. <i>Chemical Communications</i> , <b>2014</b> , 50, 10596-9	5.8	29

116	Fluoride ion-mediated nucleophilic fluoroalkylation of alkyl halides with Me <sub>3</sub> SiCF <sub>2</sub> SPh: Synthesis of PhSCF <sub>2</sub> - and CF <sub>2</sub> H-containing compounds. <i>Journal of Fluorine Chemistry</i> , <b>2008</b> , 129, 382-385	2.1	29
115	Copper-mediated aerobic (phenylsulfonyl)difluoromethylation of arylboronic acids with difluoromethyl phenyl sulfone. <i>Chemical Communications</i> , <b>2016</b> , 52, 3657-60	5.8	28
114	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 RCF <sub>2</sub> Cu species. <i>Journal of Fluorine Chemistry</i> , <b>2015</b> , 171, 139-147	2.1	27
113	Difluoro(phenylchalcogen)methylation of aldehydes, ketones, and imines with S-, Se-, and Te-containing reagents PhXCF <sub>2</sub> H (X=S, Se, Te). <i>Journal of Fluorine Chemistry</i> , <b>2012</b> , 135, 45-58	2.1	27
112	Highly Stereoselective Synthesis of Monofluoroalkenes from $\beta$ -Fluorosulfoximines and Nitrones. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 10042-10045	3.6	27
111	Palladium/acetic acid-catalyzed fluoroalkylation of alkynes with monofluorinated sulfones as pronucleophiles. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 7252-7255	2	27
110	Radical Fluoroalkylation of Aryl Alkenes with Fluorinated Sulfones by Visible-Light Photoredox Catalysis. <i>Acta Chimica Sinica</i> , <b>2017</b> , 75, 105	3.3	27
109	Chen $\beta$ Reagent: A Versatile Reagent for Trifluoromethylation, Difluoromethylation, and Difluoroalkylation in Organic Synthesis $\square$ <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 202-212	4.9	27
108	Divergent rearrangements of cyclopropyl-substituted fluoroepoxides involving C-F bond cleavage and formation. <i>Organic Letters</i> , <b>2014</b> , 16, 888-91	6.2	26
107	Enantioselective Synthesis of Cyclopropanes That Contain Fluorinated Tertiary Stereogenic Carbon Centers: A Chiral $\beta$ -Fluoro Carbanion Strategy. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7072-7076	3.6	26
106	DIAD-mediated metal-free cross dehydrogenative coupling between tertiary amines and $\beta$ -fluorinated sulfones. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1684-1687	3.6	26
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7 (Difluoromethyl)trimethylsilane (TMSCHF<sub>2</sub>)1-17

6 N-Tosyl-4-chlorobenzenesulfonimidoyl Fluoride (SulfoxFluor)1-2

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2 Reaction of (bromodifluoromethyl)trimethylsilane with HMPA: Structural studies. *Journal of Fluorine Chemistry*, **2021**, 250, 109881 2.1

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