

# Jinbo Hu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

223  
papers

11,523  
citations

62  
h-index

100  
g-index

274  
ext. papers

13,180  
ext. citations

7  
avg, IF

6.98  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 223 | S-(Trifluoromethyl)Benzothioate (TFBT): A KF-Based Reagent for Nucleophilic Trifluoromethylthiolation.. <i>Chemistry - A European Journal</i> , <b>2022</b> , e202200483  | 4.8  | 0         |
| 222 | Synthesis of fluoroalkenes via Julia and Julia-Kocienski olefination reactions. <i>Tetrahedron</i> , <b>2022</b> , 132694   | 2.4  | 2         |
| 221 | SulfoxFluor-enabled deoxyazidation of alcohols with NaN.. <i>Nature Communications</i> , <b>2022</b> , 13, 2752   | 17.4 | 0         |
| 220 | Water-promoted regio-selective trifluoromethylation of vinyl conjugated diazoacetates. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 9, 204-209  | 5.2  | 1         |
| 219 | Divergent S- and C-Difluoromethylation of 2-Substituted Benzothiazoles. <i>Organic Letters</i> , <b>2021</b> , 23, 8554   | 6.58 | 0         |
| 218 | Nucleophilic trifluoromethylation of azinium salts with Zn(CF <sub>3</sub> ) <sub>2</sub> bpv. <i>Tetrahedron</i> , <b>2021</b> , 100, 132477   | 2.4  | 0         |
| 217 | Fluorination Triggers Fluoroalkylation: Nucleophilic Perfluoro-tert-butylation with 1,1-Dibromo-2,2-bis(trifluoromethyl)ethylene (DBBF) and CsF. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 27318                               | 16.4 | 1         |
| 216 | Fluorination Triggers Fluoroalkylation: Nucleophilic Perfluoro-tert-butylation with 1,1-Dibromo-2,2-bis(trifluoromethyl)ethylene (DBBF) and CsF. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 27524  | 3.6  | 0         |
| 215 | Synthesis of Enantiopure Benzo Fused Cyclic Sulfoximines Through Stereoselective [3+2] Cycloaddition between N-tert-Butanesulfinyl [(2-Pyridyl)sulfonyl]-difluoromethyl Ketimines and Arynes. <i>Helvetica Chimica Acta</i> , <b>2021</b> , 104, e2100019 | 2    | 0         |
| 214 | A radical chlorodifluoromethylation protocol for late-stage difluoromethylation and its application to an oncology candidate. <i>Cell Reports Physical Science</i> , <b>2021</b> , 2, 100394  | 6.1  | 2         |
| 213 | Iron-Catalyzed Fluoroalkylation of Arylborates with Sulfone Reagents: Beyond the Limitation of Reduction Potential. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 13597-13602  | 16.4 | 6         |
| 212 | Iron-Catalyzed Fluoroalkylation of Arylborates with Sulfone Reagents: Beyond the Limitation of Reduction Potential. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 13709-13714   | 3.6  | 0         |
| 211 | Recent advance in synthetic applications of difluoromethyl phenyl sulfone and its derivatives. <i>Tetrahedron Letters</i> , <b>2021</b> , 75, 153182  | 2    | 2         |
| 210 | TMSCFX (X = Cl, Br) as halofluorocarbene sources for the synthesis of halofluorocyclopropanes. <i>Chemical Communications</i> , <b>2021</b> , 57, 319-322   | 5.8  | 1         |
| 209 | The Development of New Reagents and Reactions for Synthetic Organofluorine Chemistry by Understanding the Unique Fluorine Effects <b>2021</b> , 1-22  |      |           |
| 208 | Deoxyfluorination of alcohols with aryl fluorosulfonates. <i>Chemical Communications</i> , <b>2021</b> , 57, 8170-8173  | 5.8  | 2         |
| 207 | Deoxyfluorination of Carboxylic Acids with CpFluor: Access to Acyl Fluorides and Amides. <i>Organic Letters</i> , <b>2021</b> , 23, 1764-1768   | 6.2  | 8         |

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| 206 | Contemporary synthetic strategies in organofluorine chemistry. <i>Nature Reviews Methods Primers</i> , <b>2021</b> , 1,   |      | 23 |
| 205 | Copper-Mediated Cross-Coupling of Diazo Compounds with Sulfinates. <i>Organic Letters</i> , <b>2021</b> , 23, 6919-6824   |      | 6  |
| 204 | Reaction of (bromodifluoromethyl)trimethylsilane with HMPA: Structural studies. <i>Journal of Fluorine Chemistry</i> , <b>2021</b> , 250, 109881  | 2.1  |    |
| 203 | Electrochemical reduction of fluoroalkyl sulfones for radical fluoroalkylation of alkenes. <i>Chemical Communications</i> , <b>2021</b> , 57, 8750-8753   | 5.8  | 7  |
| 202 | Nickel-Catalyzed Reductive 2-Pyridination of Aryl Iodides with Difluoromethyl 2-Pyridyl Sulfone. <i>Organic Letters</i> , <b>2021</b> , 23, 711-715   | 6.2  | 11 |
| 201 | Novel usage of 2-BTSOCFH for metal-free electrophilic difluoroalkanethiolation of indoles. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 4556-4559  | 3.9  | 9  |
| 200 | From C to C: Copper-Catalyzed gem-Bis(trifluoromethyl)olefination of $\alpha$ -Diazo Esters with TMSCF. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8507-8511  | 16.4 | 21 |
| 199 | Stereoselective nucleophilic monofluoromethylation of tert-butanedisulfinimines: Dynamic thermodynamic Resolution of racemic $\alpha$ -fluoro carbanions. <i>Journal of Fluorine Chemistry</i> , <b>2020</b> , 231, 109451 <sup>†</sup>   |      | 4  |
| 198 | From C1 to C3: Copper-Catalyzed gem-Bis(trifluoromethyl)olefination of $\alpha$ -Diazo Esters with TMSCF <sub>3</sub> . <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8585-8589   | 3.6  | 7  |
| 197 | Difluoromethylation and Difluoroalkylation in C(sp <sup>3</sup> ) Centers and C=O, C=C, and C=N Bonds <b>2020</b> , 89-117  |      | 0  |
| 196 | Monofluoromethylation Reactions of Aliphatic Substrates and (Hetero)Arenes <b>2020</b> , 119-133  |      | 3  |
| 195 | Highly diastereoselective and thermodynamically controlled nucleophilic addition of $\alpha$ -fluoro- $\beta$ -phenylthio- $\beta$ -phenylsulfonylmethane (FTSM) to aldehydes. <i>Tetrahedron</i> , <b>2020</b> , 76, 130877              | 2.4  | 2  |
| 194 | Chen's Reagent: A Versatile Reagent for Trifluoromethylation, Difluoromethylenation, and Difluoroalkylation in Organic Synthesis $\square$ <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 202-212                                | 4.9  | 27 |
| 193 | Generation of Carbocations under Photoredox Catalysis: Electrophilic Aromatic Substitution with 1-Fluoroalkylbenzyl Bromides. <i>Organic Letters</i> , <b>2020</b> , 22, 8670-8675  | 6.2  | 5  |
| 192 | Difluoromethylation of alcohols with TMSCF <sub>2</sub> Br in water: A new insight into the generation and reactions of difluorocarbene in a two-phase system. <i>Tetrahedron</i> , <b>2020</b> , 76, 131676                              | 2.4  | 1  |
| 191 | Difluorocarbene-Triggered Cyclization: Synthesis of (Hetero)arene-Fused 2,2-Difluoro-2,3-dihydrothiophenes. <i>Organic Letters</i> , <b>2020</b> , 22, 7047-7051  | 6.2  | 11 |
| 190 | In deep memory of Professor Rolf Huisgen, a great chemist, who passed away on March 26, 2020. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 529-529   | 4.9  |    |
| 189 | Transition-Metal-Free Electrophilic Fluoroalkanesulfonylation of Electron-Rich (Het)Arenes with Fluoroalkyl Heteroaryl Sulfones via C(Het)S and S=O Bond Cleavage. <i>Advanced Synthesis and Catalysis</i> , <b>2019</b> , 361, 5528-5533 | 5.6  | 5  |

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| 188 | Transition-Metal-Free Desulfinate Cross-Coupling of Heteroaryl Sulfinates with Grignard Reagents. <i>Organic Letters</i> , <b>2019</b> , 21, 937-940  | 6.2  | 18  |
| 187 | Fluoroalkylation of Various Nucleophiles with Fluoroalkyl Sulfones through a Single Electron Transfer Process. <i>Journal of Organic Chemistry</i> , <b>2019</b> , 84, 8345-8359  | 4.2  | 13  |
| 186 | A General Protocol for C <sup>≡</sup> N Difluoromethylation of Carbon Acids with TMSCF <sub>2</sub> Br. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6471-6476   | 3.6  | 3   |
| 185 | A General Protocol for C-H Difluoromethylation of Carbon Acids with TMSCF Br. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6405-6410  | 16.4 | 34  |
| 184 | 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  |
| 183 | Pentafluoroethylation of Arenediazonium Tetrafluoroborates Using On-Site Generated Tetrafluoroethylene. <i>Chinese Journal of Chemistry</i> , <b>2019</b> , 37, 1131-1136   | 4.9  | 9   |
| 182 | Nucleophilic (Phenylsulfonyl/arylthio)difluoromethylation of Aldehydes with TMSCFBr: A Three-Component Strategy. <i>Organic Letters</i> , <b>2019</b> , 21, 9138-9141   | 6.2  | 17  |
| 181 | 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  |
| 180 | Controllable double CF-insertion into sp C-Cu bond using TMSCF: a facile access to tetrafluoroethylene-bridged structures. <i>Chemical Science</i> , <b>2019</b> , 11, 276-280  | 9.4  | 14  |
| 179 | Synthesis of 2,2-diaryl-1,1-difluoroethenes via Pd-catalyzed dehydrosulfonylative cross-coupling of [difluoro(phenylsulfonyl)methyl]benzyl tosylates with arylboronic acids. <i>Tetrahedron</i> , <b>2018</b> , 74, 5295-5302 | 2.4  | 6   |
| 178 | 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 |
| 177 | Copper-Mediated Di- and Monofluoromethanesulfonylation of Arenediazonium Tetrafluoroborates: Probing the Fluorine Effect. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 206-212                                     | 4.9  | 23  |
| 176 | Hypervalent Iodine(III)-Catalyzed Balz-Schiemann Fluorination under Mild Conditions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 10044-10048  | 3.6  | 8   |
| 175 | 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  |
| 174 | Visible-light-mediated radical arylthiodifluoromethylation of isocyanides with fluorinated 2-pyridyl sulfones. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 2568-2572  | 5.2  | 14  |
| 173 | Organocatalyzed Decarboxylative Trifluoromethylation of $\beta$ -Ketoacids. <i>Topics in Catalysis</i> , <b>2018</b> , 61, 664-673  | 6.7  | 5   |
| 172 | Visible light-mediated difluoroalkylation of electron-deficient alkenes. <i>Beilstein Journal of Organic Chemistry</i> , <b>2018</b> , 14, 1637-1641  | 2.5  | 9   |
| 171 | From C to C: TMSCF as a Precursor for Pentafluoroethylation. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13211-13215   | 16.4 | 24  |

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| 170 | From C1 to C2: TMSCF <sub>3</sub> as a Precursor for Pentafluoroethylation. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13395-13399  | 16.4 | 76  |
| 169 | Fluoro-Hydroxylation of gem-Difluoroalkenes: Synthesis of 18O-labeled CF <sub>3</sub> Alcohols. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 1202-1208  | 4.9  | 18  |
| 168 | Trifluoromethyl Benzoate: A Versatile Trifluoromethoxylation Reagent. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 6801-6805   | 16.4 | 76  |
| 167 | Efficient Difluoromethylation of Alcohols Using TMSCF <sub>2</sub> 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  |
| 166 | Efficient Difluoromethylation of Alcohols Using TMSCF <sub>2</sub> Br as a Unique and Practical Difluorocarbene Reagent under Mild Conditions. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 3254-3258   | 3.6  | 12  |
| 165 | Metal-Catalyzed Direct Difluoromethylation Reactions. <i>Asian Journal of Organic Chemistry</i> , <b>2017</b> , 6, 139-152   | 16.4 | 183 |
| 164 | Efficient nucleophilic difluoromethylation of aldehydes with (phenylsulfonyl)difluoromethylzinc and (phenylsulfonyl)difluoromethylcadmium reagents. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 198, 67-75                                      | 2.1  | 10  |
| 163 | TMSCF <sub>3</sub> as a Convenient Source of CF <sub>2</sub> =CF <sub>2</sub> for Pentafluoroethylation, (Aryloxy)tetrafluoroethylation, and Tetrafluoroethylation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10103-10107                            | 3.6  | 16  |
| 162 | Decarboxylative fluorination of $\beta$ -ketoacids with N-fluorobenzenesulfonimide (NFSI) for the synthesis of $\alpha$ -fluoroketones: Substrate scope and mechanistic investigation. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 203, 166-172 | 2.1  | 8   |
| 161 | TMSCF <sub>2</sub> as a Convenient Source of CF <sub>2</sub> =CF <sub>2</sub> for Pentafluoroethylation, (Aryloxy)tetrafluoroethylation, and Tetrafluoroethylation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9971-9975       | 16.4 | 58  |
| 160 | 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  |
| 159 | The stability and reactivity of tri-, di-, and monofluoromethyl/methoxy/methylthio groups on arenes under acidic and basic conditions. <i>Organic Chemistry Frontiers</i> , <b>2017</b> , 4, 214-223   | 5.2  | 20  |
| 158 | Stereoselective Carbonyl Olefination with Fluorosulfoximines: Facile Access to Z or E Terminal Monofluoroalkenes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 634-638  | 3.6  | 10  |
| 157 | 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  |
| 156 | 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  |
| 155 | Bis(difluoromethyl)trimethylsilicate Anion: A Key Intermediate in Nucleophilic Difluoromethylation of Enolizable Ketones with Me <sub>3</sub> SiCF <sub>2</sub> H. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12632-6          | 16.4 | 46  |
| 154 | Bis(difluoromethyl)trimethylsilicate Anion: A Key Intermediate in Nucleophilic Difluoromethylation of Enolizable Ketones with Me <sub>3</sub> SiCF <sub>2</sub> H. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12822-12826                             | 3.6  | 10  |
| 153 | O-Trifluoromethylation of Phenols: Access to Aryl Trifluoromethyl Ethers by O-Carboxydifluoromethylation and Decarboxylative Fluorination. <i>Organic Letters</i> , <b>2016</b> , 18, 3754-7   | 6.2  | 75  |

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| 152 | Radical (Phenylsulfonyl)difluoromethylation of Isocyanides with PhSOCFH under Transition-Metal-Free Conditions. <i>Organic Letters</i> , <b>2016</b> , 18, 5912-5915   | 6.2  | 53  |
| 151 | Deoxyfluorination of alcohols with 3,3-difluoro-1,2-diarylcyclopropenes. <i>Nature Communications</i> , <b>2016</b> , 7, 13320   | 17.4 | 35  |
| 150 | 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 |
| 149 | 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  |
| 148 | Copper-Catalyzed Trifluoromethylation of Polysubstituted Alkenes Assisted by Decarboxylation. <i>Organic Letters</i> , <b>2016</b> , 18, 72-5  | 6.2  | 35  |
| 147 | Silver-Mediated Trifluoromethylthiolation-Iodination of Arynes. <i>Organic Letters</i> , <b>2016</b> , 18, 856-9   | 6.2  | 33  |
| 146 | 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  |
| 145 | Copper-Mediated Deuterotrifluoromethylation of $\alpha$ -Diazo Esters. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 469-472   | 4.9  | 10  |
| 144 | Stereoselective Synthesis of (Sulfonimidoyl)cyclopropanes with (R)-PhSO(NTs)CH <sub>2</sub> Cl and $\alpha$ -Unsaturated Weinreb Amides: Tuning the of Selectivity between C=C and C-C Bond Cleavage. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 906-909 | 3.2  | 14  |
| 143 | Copper-Mediated Aromatic 1,1-Difluoroethylation with (1,1-Difluoroethyl)trimethylsilane (TMSCF <sub>2</sub> CH <sub>3</sub> ). <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 1789-92   | 4.5  | 11  |
| 142 | Recent Advances in the One-Step Synthesis of Distally Fluorinated Ketones. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 3210-3223   | 4.8  | 76  |
| 141 | Innentitelbild: Radical Fluoroalkylation of Isocyanides with Fluorinated Sulfones by Visible-Light Photoredox Catalysis (Angew. Chem. 8/2016). <i>Angewandte Chemie</i> , <b>2016</b> , 128, 2650-2650   | 3.6  | 1   |
| 140 | Difluoromethyl 2-Pyridyl Sulfone <b>2016</b> , 1-7   |      |     |
| 139 | Bridging Fluorine and Aryne Chemistry: Vicinal Difunctionalization of Arynes Involving Nucleophilic Fluorination, Trifluoromethylation, or Trifluoromethylthiolation. <i>Synthesis</i> , <b>2016</b> , 48, 2137-2150   | 2.9  | 15  |
| 138 | Nucleophilic Iododifluoromethylation of Carbonyl Compounds Using Difluoromethyl 2-Pyridyl Sulfone. <i>Organic Letters</i> , <b>2016</b> , 18, 2766-9   | 6.2  | 25  |
| 137 | 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 |
| 136 | Difluoromethyl 2-pyridyl sulfone: a versatile carbonyl gem-difluoroolefination reagent. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 163-168  | 5.2  | 65  |
| 135 | Chemically oxidative fluorination with fluoride ions. <i>Journal of Fluorine Chemistry</i> , <b>2015</b> , 179, 3-13   | 2.1  | 14  |

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| 134 | Fluoroalkylative aryl migration of conjugated N-arylsulfonylated amides using easily accessible sodium di- and monofluoroalkanesulfonates. <i>Organic Letters</i> , <b>2015</b> , 17, 1838-41   | 6.2  | 134 |
| 133 | Spontaneous resolution of Julia-Kocienski intermediates facilitates phase separation to produce Z- and E-monofluoroalkenes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5199-203   | 16.4 | 45  |
| 132 | Brønsted acid-catalyzed 1,2-fluorine migration with fluoroepoxides. <i>Dalton Transactions</i> , <b>2015</b> , 44, 19636-41   | 4.1  | 14  |
| 131 | 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 |
| 130 | Copper-mediated trifluoromethylation using phenyl trifluoromethyl sulfoxide. <i>Organic Letters</i> , <b>2015</b> , 17, 298-301   | 6.2  | 63  |
| 129 | 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 |
| 128 | AgF-Mediated Fluorinative Cross-Coupling of Two Olefins: Facile Access to $\text{CF}_3$ Alkenes and $\text{CF}_3$ Ketones. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 648-652  | 3.6  | 33  |
| 127 | Diphenyliodonium-Catalyzed Fluorination of Arynes: Synthesis of ortho-Fluoroiodoarenes. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 10923-10927   | 3.6  | 10  |
| 126 | Diphenyliodonium-Catalyzed Fluorination of Arynes: Synthesis of ortho-Fluoroiodoarenes. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 10773-7  | 16.4 | 43  |
| 125 | Nucleophilic Difluoroalkylation of Isocyanates with Difluoromethyl 2-Pyridyl Sulfone. <i>Advanced Synthesis and Catalysis</i> , <b>2015</b> , 357, 3429-3434  | 5.6  | 2   |
| 124 | Carbonyl olefination of diaryl ketones with heteroaryl sulfoxides. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 4180-4183   | 13   | 13  |
| 123 | Palladium-Catalyzed Monofluoromethylation of Arylboronic Esters with Fluoromethyl Iodide. <i>Organic Letters</i> , <b>2015</b> , 17, 3086-9   | 6.2  | 58  |
| 122 | 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  |
| 121 | AgF-mediated fluorinative cross-coupling of two olefins: facile access to $\text{CF}_3$ alkenes and $\text{CF}_3$ ketones. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 638-42  | 16.4 | 44  |
| 120 | Advances in Transition-Metal-Mediated Di- and Monofluoroalkylations. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 90  | 3.3  | 117 |
| 119 | Fluorinated Sulfoximines: Preparation, Reactions and Applications. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 4437-4451   | 3.2  | 98  |
| 118 | Nucleophilic difluoromethylation of epoxides with PhSO(NTBS)CF <sub>2</sub> H by a preorganization strategy. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6795-800   | 4.8  | 22  |
| 117 | Silver-catalyzed formal insertion of arynes into Rf-I bonds. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6866-70  | 4.8  | 52  |

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| 116 | 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  |
| 115 | gem-Difluoroolefination of diaryl ketones and enolizable aldehydes with difluoromethyl 2-pyridyl sulfone: new insights into the Julia-Kocienski reaction. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 7803-10                                       | 4.8  | 84  |
| 114 | AgF-mediated fluorinative homocoupling of gem-difluoroalkenes. <i>Organic Letters</i> , <b>2014</b> , 16, 102-5   | 6.2  | 74  |
| 113 | Radical (2-pyridylsulfonyl)difluoromethylation of terminal alkenes with iododifluoromethyl 2-pyridyl sulfone. <i>Journal of Fluorine Chemistry</i> , <b>2014</b> , 167, 231-236   | 2.1  | 13  |
| 112 | Selective monofluorination of active methylene compounds: the important role of ZnCl <sub>2</sub> in inhibiting overfluorination. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 625-629   | 5.2  | 16  |
| 111 | Nucleophilic Difluoro(phenylsulfonimidoyl)methylation of Unactivated Alkyl Bromides with PhSO(NTBS)CF <sub>2</sub> H: Facile Entry into gem-Difluoroalkenes. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 703-708                                      | 4.9  | 5   |
| 110 | Stereoselective [3+2] cycloaddition of N-tert-butanesulfinyl imines to arynes facilitated by a removable PhSO <sub>2</sub> CF <sub>3</sub> group: synthesis and transformation of cyclic sulfoximines. <i>Chemical Communications</i> , <b>2014</b> , 50, 10596-9 | 5.8  | 29  |
| 109 | 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  |
| 108 | Copper-mediated trifluoromethylthiolation of $\beta$ -diazoesters. <i>Organic Letters</i> , <b>2014</b> , 16, 2030-3  | 6.2  | 110 |
| 107 | Deoxygenative gem-difluoroolefination of carbonyl compounds with (chlorodifluoromethyl)trimethylsilane and triphenylphosphine. <i>Beilstein Journal of Organic Chemistry</i> , <b>2014</b> , 10, 344-51   | 2.5  | 45  |
| 106 | Stereoselective Nucleophilic Fluoromethylation of Aryl Ketones: Dynamic Kinetic Resolution of Chiral $\beta$ -Fluoro Carbanions. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 794-798  | 3.6  | 15  |
| 105 | (Difluoromethyl)trimethylsilane <b>2014</b> , 1-2   |      |     |
| 104 | Recent Advances in the Synthetic Application of Difluorocarbene. <i>Synthesis</i> , <b>2014</b> , 46, 842-863   | 2.9  | 189 |
| 103 | Selective incorporation of difluoromethylene moieties into arenes assisted by transition metals. <i>Chimia</i> , <b>2014</b> , 68, 414-8  | 1.3  | 24  |
| 102 | Direct monofluoromethylation of O-, S-, N-, and P-nucleophiles with PhSO(NTs)CH <sub>2</sub> F: the accelerating effect of $\beta$ -fluorine substitution. <i>Chemical Science</i> , <b>2014</b> , 5, 117-122   | 9.4  | 66  |
| 101 | Highly Stereoselective and One-Pot Synthesis of Tetra-substituted Monofluoroalkenes with Aldehydes and Fluorobis(phenylsulfonyl)methane. <i>Chinese Journal of Chemistry</i> , <b>2013</b> , 31, 878-884  | 4.9  | 12  |
| 100 | Copper-mediated trifluoromethylation of propiolic acids: facile synthesis of $\beta$ -trifluoromethyl ketones. <i>Chemical Science</i> , <b>2013</b> , 4, 3478  | 9.4  | 82  |
| 99  | 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 |



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| 98 | 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 |
| 97 | Silver-mediated trifluoromethylation-iodination of arynes. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 2955-8  | 16.4 | 147 |
| 96 | Copper-Catalyzed Debenzoylative Monofluoromethylation of Aryl Iodides Assisted by the Removable (2-Pyridyl)sulfonyl Group. <i>ACS Catalysis</i> , <b>2013</b> , 3, 631-634  | 13.1 | 45  |
| 95 | DIAD-mediated metal-free cross dehydrogenative coupling between tertiary amines and fluorinated sulfones. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 1684-1687   | 3.6  | 26  |
| 94 | Nucleophilic difluoro(phenylsulfonyl)methylation of carbonyls with PhSO <sub>2</sub> CF <sub>2</sub> H reagent in the presence of in situ generated substoichiometric amount of base. <i>Journal of Fluorine Chemistry</i> , <b>2013</b> , 155, 52-58         | 2.1  | 20  |
| 93 | Synthesis of gem-Difluorocyclopropa(e)nes 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  |
| 92 | 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 |
| 91 | Copper-mediated fluoroalkylation of aryl iodides enables facile access to diverse fluorinated compounds: the important role of the (2-pyridyl)sulfonyl group. <i>Organic Letters</i> , <b>2012</b> , 14, 6080-3   | 6.2  | 50  |
| 90 | Nucleophilic difluoromethylation of N,N-acetals with TMSCF <sub>2</sub> SO <sub>2</sub> Ph reagent promoted by trifluoroacetic acid: A facile access to difluoromethylated tertiary amines. <i>Journal of Fluorine Chemistry</i> , <b>2012</b> , 143, 161-166 | 2.1  | 13  |
| 89 | Copper-Catalyzed Difluoromethylation of Unsaturated Carboxylic Acids: An Efficient Allylic Difluoromethylation. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 11713-11715   | 3.6  | 33  |
| 88 | Copper-catalyzed difluoromethylation of unsaturated carboxylic acids: an efficient allylic difluoromethylation. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11545-7  | 16.4 | 80  |
| 87 | Nucleophilic Fluoroalkylation of Unsaturated Carbonyl Compounds with Fluorinated Sulfones: Investigation of the Reversibility of 1,2-Additions and the Formation of 1,4-Adducts. <i>Helvetica Chimica Acta</i> , <b>2012</b> , 95, 2043-2051                  | 2    | 21  |
| 86 | 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  |
| 85 | Palladium-catalyzed allylation of 2,2,2-trifluoroethyl phenyl sulfone, a potential 2,2,2-trifluoroethyl pronucleophile. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 6565-6568  | 2    | 10  |
| 84 | Nucleophilic difluoromethylation of CN bonds in heterocycles with difluoromethyl silane reagents. <i>Tetrahedron</i> , <b>2012</b> , 68, 5137-5144  | 2.4  | 24  |
| 83 | 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 |
| 82 | 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 |
| 81 | Flourishing Frontiers in Organofluorine Chemistry <b>2012</b> , 413-476   |      | 13  |

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|----|--|------|-----|
| 80 | From olefination to alkylation: in-situ halogenation of Julia-Kocienski intermediates leading to formal nucleophilic iodo- and bromodifluoromethylation of carbonyl compounds. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 5790-3   | 16.4 | 83  |
| 79 | Reactions of sulfur- and phosphorus-substituted fluoroalkylating silicon reagents with imines and enamines under acidic conditions. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 2080-6   | 4.2  | 44  |
| 78 | Palladium-Catalyzed 2,2,2-Trifluoroethylation of Organoboronic Acids and Esters. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1057-1060   | 3.6  | 35  |
| 77 | 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  |
| 76 | 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  |
| 75 | 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 |
| 74 | Enantioselective synthesis of cyclopropanes that contain fluorinated tertiary stereogenic carbon centers: a chiral $\beta$ -fluoro carbanion strategy. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6966-70 <sup>16.4</sup>          | 16.4 | 69  |
| 73 | Selective fluoroalkylation of organic compounds by tackling the "negative fluorine effect". <i>Topics in Current Chemistry</i> , <b>2012</b> , 308, 25-44  |      | 58  |
| 72 | 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 |
| 71 | 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 |
| 70 | Chlorodifluoromethyl aryl ketones and sulfones as difluorocarbene reagents: The substituent effect. <i>Journal of Fluorine Chemistry</i> , <b>2011</b> , 132, 521-528  | 2.1  | 41  |
| 69 | Free radical fluoroalkylation of terminal alkenes and alkynes with iododifluoromethanesulfonamides. <i>Science China Chemistry</i> , <b>2011</b> , 54, 95-102  | 7.9  | 7   |
| 68 | 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  |
| 67 | Nucleophilic Fluoromethylation of Aldehydes with Fluorobis(phenylsulfonyl)methane: The Importance of Strong Li <sup>+</sup> Coordination and Fluorine Substitution for C-C Bond Formation. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 2636-2640           | 3.6  | 17  |
| 66 | From Difluoromethyl 2-Pyridyl Sulfone to Difluorinated Sulfonates: A Protocol for Nucleophilic Difluoro(sulfonato)methylation. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 2607-2611   | 3.6  | 16  |
| 65 | 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  |
| 64 | Nucleophilic fluoromethylation of aldehydes with fluorobis(phenylsulfonyl)methane: the importance of strong Li-O coordination and fluorine substitution for C-C bond formation. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 2588-92 | 16.4 | 48  |
| 63 | 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  |

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|----|---|------|-----|
| 62 | 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 |
| 61 | Copper-Mediated Fluoroalkylation Reactions with [(Phenylsulfonyl)-difluoromethyl]trimethylsilane: Synthesis of PhSO <sub>2</sub> CF <sub>2</sub> -Containing Allenes and Alkynes. <i>Synlett</i> , <b>2011</b> , 2011, 899-902  | 2.2  | 7   |
| 60 | Selective Nucleophilic Fluoroalkylations Facilitated by Removable Activation Groups. <i>Synlett</i> , <b>2011</b> , 2011, 770-782   | 2.2  | 13  |
| 59 | Synthesis of polymer electrolyte membranes based on poly(norbornene)s functionalized with pendant difluoroalkyl sulfonic acids. <i>Scientia Sinica Chimica</i> , <b>2011</b> , 41, 1833-1839  | 1.6  | 7   |
| 58 | 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 |
| 57 | Copper-mediated fluoroalkylation reactions with iododifluoroacetamides: controlling the selectivity among cross-coupling, intramolecular cyclization, and homocoupling reactions. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 5505-12   | 4.2  | 75  |
| 56 | 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  |
| 55 | Reaction of Baylis-Hillman Adducts with Fluorinated Silanes. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 6779-6785   | 3.2  | 21  |
| 54 | Efficient Synthesis and Ring-Opening Reactions of Monofluorinated Epoxides Derived from $\alpha$ -Fluorosulfoximines. <i>Advanced Synthesis and Catalysis</i> , <b>2010</b> , 352, 2799-2804  | 5.6  | 38  |
| 53 | Highly diastereoselective synthesis of $\alpha$ -difluoromethyl amines from N-tert-butylsulfinyl ketimines and difluoromethyl phenyl sulfone. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 11443-54  | 4.8  | 43  |
| 52 | 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  |
| 51 | 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>      |      |     |
| 50 | Highly Stereoselective Synthesis of Monofluoroalkenes from $\alpha$ -Fluorosulfoximines and Nitrones. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 10042-10045   | 3.6  | 27  |
| 49 | Highly stereoselective synthesis of monofluoroalkenes from $\alpha$ -fluorosulfoximines and nitrones. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 9858-61  | 16.4 | 72  |
| 48 | Nucleophilic, radical, and electrophilic (phenylsulfonyl)difluoromethylations. <i>Journal of Fluorine Chemistry</i> , <b>2009</b> , 130, 1130-1139  | 2.1  | 113 |
| 47 | 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. <i>Tetrahedron</i> , <b>2009</b> , 65, 478-483 <sup>2,4</sup> |      | 48  |
| 46 | Palladium/acetic acid-catalyzed fluoroalkylation of alkynes with monofluorinated sulfones as pronucleophiles. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 7252-7255  | 2    | 27  |
| 45 | Selective difluoromethylation and monofluoromethylation reactions. <i>Chemical Communications</i> , <b>2009</b> , 7465-78   | 5.8  | 501 |

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|----|---|------|-----|
| 44 | Synthesis of fluorinated chiral amines using N-tert-butylsulfinyl imines. <i>Future Medicinal Chemistry</i> , <b>2009</b> , 1, 875-88   | 4.1  | 43  |
| 43 | 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 |
| 42 | Synthesis of fluorinated beta-ketosulfones and gem-disulfones by nucleophilic fluoroalkylation of esters and sulfonates with di- and monofluoromethyl sulfones. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 3767-71   | 4.2  | 36  |
| 41 | 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 |
| 40 | Stereoselective monofluoromethylation of N-tert-butylsulfinyl ketimines using pregenerated fluoro(phenylsulfonyl)methyl anion. <i>Organic Letters</i> , <b>2008</b> , 10, 5377-80   | 6.2  | 42  |
| 39 | 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  |
| 38 | 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  |
| 37 | 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  |
| 36 | Stereoselective synthesis of difluoromethyl-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  |
| 35 | Selective fluoroalkylations with fluorinated sulfones, sulfoxides, and sulfides. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 921-30  | 24.3 | 292 |
| 34 | 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  |
| 33 | 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  |
| 32 | A Remarkably Efficient Fluoroalkylation of Cyclic Sulfates and Sulfamidates with PhSO <sub>2</sub> CF <sub>2</sub> H: Facile Entry into Difluoromethylated or Difluoromethylenated Alcohols and Amines. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 800-803   | 3.6  | 18  |
| 31 | Stereoselective Difluoromethylenation Using Me <sub>3</sub> SiCF <sub>2</sub> SPh: Synthesis of Chiral 2,4-Disubstituted 3,3-Difluoropyrrolidines. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 2541-2544  | 3.6  | 24  |
| 30 | Synthesis of 1,1-difluoroethylsilanes and their application for the introduction of the 1,1-difluoroethyl group. <i>Journal of Fluorine Chemistry</i> , <b>2007</b> , 128, 1098-1103  | 2.1  | 15  |
| 29 | Pyridinium Poly(hydrogen fluoride) <b>2007</b> ,  |      | 2   |
| 28 | Stereoselective synthesis of di- and monofluoromethylated vicinal ethylenediamines with di- and monofluoromethyl sulfones. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 3119-21  | 4.2  | 51  |
| 27 | Radical (phenylsulfonyl)difluoromethylation with iododifluoromethyl phenyl sulfone. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 5824-7  | 4.2  | 62  |

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| 26 | Chlorodifluoromethyl phenyl sulfone: a novel non-ozone-depleting substance-based difluorocarbene reagent for O- and N-difluoromethylations. <i>Chemical Communications</i> , <b>2007</b> , 5149-51                                      | 5.8  | 81  |
| 25 | Nucleophilic fluoroalkylation of epoxides with fluorinated sulfones. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 6829-33  | 4.2  | 118 |
| 24 | 2-Chloro-2,2-difluoroacetophenone: a non-ODS-based difluorocarbene precursor and its use in the difluoromethylation of phenol derivatives. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 9845-8                               | 4.2  | 77  |
| 23 | Facile preparation of difluoromethyl- and monofluoromethyl-containing amides via Ritter reaction. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 6753-6756  | 2    | 25  |
| 22 | 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  |
| 21 | New Nucleophilic Fluoroalkylation Chemistry. <i>ACS Symposium Series</i> , <b>2005</b> , 16-56  | 0.4  | 16  |
| 20 | Nucleophilic difluoromethylation and difluoromethylenation using bromodifluoromethyl phenyl sulfone. <i>Journal of Fluorine Chemistry</i> , <b>2005</b> , 126, 1361-1367  | 2.1  | 69  |
| 19 | 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 |
| 18 | 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  |
| 17 | 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 |
| 16 | Facile Synthesis of Chiral $\alpha$ -Difluoromethyl Amines from N-(tert-Butylsulfinyl)aldimines. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 6032-6036  | 3.6  | 43  |
| 15 | Mechanism of the anionic polymerization of methyl methacrylate initiated by tetramethylammoniumtriphenylmethide in tetrahydrofuran. <i>Journal of Polymer Science Part A</i> , <b>2004</b> , 42, 237-244                                | 2.5  | 1   |
| 14 | Difluoromethyl phenyl sulfone, a difluoromethylidene equivalent: use in the synthesis of 1,1-difluoro-1-alkenes. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5203-6  | 16.4 | 72  |
| 13 | Difluoromethyl Phenyl Sulfone, a Difluoromethylidene Equivalent: Use in the Synthesis of 1,1-Difluoro-1-alkenes. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 5315-5318  | 3.6  | 19  |
| 12 | Nucleophilic difluoromethylation of primary alkyl halides using difluoromethyl phenyl sulfone as a difluoromethyl anion equivalent. <i>Organic Letters</i> , <b>2004</b> , 6, 4315-7  | 6.2  | 70  |
| 11 | Expedient synthesis of [ <sup>18</sup> F]-labeled $\beta$ -trifluoromethyl ketones. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2003</b> , 46, 1087-1092   | 1.9  | 13  |
| 10 | Difluoromethyl Phenyl Sulfone as a Selective Difluoromethylene Dianion Equivalent: One-Pot Stereoselective Synthesis of anti-2,2-Difluoropropane-1,3-diols. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 5374-5377                     | 3.6  | 18  |
| 9  | Difluoromethyl phenyl sulfone as a selective difluoromethylene dianion equivalent: one-pot stereoselective synthesis of anti-2,2-difluoropropane-1,3-diols. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 5216-9 | 16.4 | 76  |

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| 8 | 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 |
| 7 | Alkoxide- and hydroxide-induced nucleophilic trifluoromethylation using trifluoromethyl sulfone or sulfoxide. <i>Organic Letters</i> , <b>2003</b> , 5, 3253-6  | 6.2 | 87  |
| 6 | 2-[(Fluoriodomethyl)sulfonyl]-pyridine 1-3  |     |     |
| 5 | Difluoromethyl 2-Pyridyl Sulfoximine: A Stereoselective Nucleophilic Reagent for Difluoro(aminosulfinyl)methylation and Difluoro(aminosulfonyl)methylation. <i>CCS Chemistry</i> , 1-12   | 7.2 | 0   |
| 4 | Modified and Scalable Synthesis of N-Tosyl-4-Chlorobenzenesulfonimidoyl Fluoride (SulfoxFluor): Direct Imidation of Sulfinyl Chlorides with Chloramine-T Trihydrate. <i>Organic Process Research and Development</i> ,  | 3.9 | 1   |
| 3 | (Difluoromethyl)trimethylsilane (TMSCHF <sub>2</sub> ) 1-17   |     |     |
| 2 | N-Tosyl-4-chlorobenzenesulfonimidoyl Fluoride (SulfoxFluor) 1-2   |     |     |
| 1 | 2-(Difluoromethanesulfonyl)-1,3-Benzothiazole (BTSO 2 CF 2 H) 1-5   |     |     |