

# Xingang Zhang

## List of Publications by Citations

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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.

127 papers	6,197 citations	44 h-index	75 g-index
131 ext. papers	7,193 ext. citations	7.6 avg, IF	6.5 L-index

#	Paper	IF	Citations
127	Pd-catalyzed oxidative cross-coupling of perfluoroarenes with aromatic heterocycles. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12850-2	16.4	288
126	Copper-catalyzed oxidative trifluoromethylthiolation of aryl boronic acids with TMSCF <sub>3</sub> and elemental sulfur. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 2492-5	16.4	269
125	Palladium-catalyzed difluoroalkylation of aryl boronic acids: a new method for the synthesis of aryl difluoromethylated phosphonates and carboxylic acid derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1669-73	16.4	267
124	Transition-Metal (Cu, Pd, Ni)-Catalyzed Difluoroalkylation via Cross-Coupling with Difluoroalkyl Halides. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2264-2278	24.3	266
123	A general synthesis of fluoroalkylated alkenes by palladium-catalyzed Heck-type reaction of fluoroalkyl bromides. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1270-4	16.4	225
122	Tandem Difluoroalkylation-Arylation of Enamides Catalyzed by Nickel. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 12270-4	16.4	189
121	Nickel-catalyzed cross-coupling of functionalized difluoromethyl bromides and chlorides with aryl boronic acids: a general method for difluoroalkylated arenes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9909-13	16.4	184
120	Pd(OAc) <sub>2</sub> catalyzed olefination of highly electron-deficient perfluoroarenes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4506-7	16.4	179
119	Chlorodifluoromethane-triggered formation of difluoromethylated arenes catalysed by palladium. <i>Nature Chemistry</i> , <b>2017</b> , 9, 918-923	17.6	168
118	Highly selective gem-difluoroalkylation of organoborons with bromodifluoromethylated alkenes catalyzed by palladium. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 1230-3	16.4	147
117	Direct palladium-catalyzed intermolecular allylation of highly electron-deficient polyfluoroarenes. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5918-23	16.4	142
116	Copper catalyzed cross-coupling of iodobenzoates with bromozinc-difluorophosphonate. <i>Organic Letters</i> , <b>2012</b> , 14, 1938-41	6.2	129
115	Access to Difluoromethylated Arenes by Pd-Catalyzed Reaction of Arylboronic Acids with Bromodifluoroacetate. <i>Organic Letters</i> , <b>2016</b> , 18, 44-7	6.2	123
114	CuBr-catalyzed oxidative difluoromethylation of tertiary amines with difluoroenol silyl ethers. <i>Organic Letters</i> , <b>2009</b> , 11, 2197-200	6.2	97
113	Difluoromethylation of (hetero)aryl chlorides with chlorodifluoromethane catalyzed by nickel. <i>Nature Communications</i> , <b>2018</b> , 9, 1170	17.4	96
112	Rhodium-Catalyzed ortho-Selective C-F Bond Borylation of Polyfluoroarenes with Bpin-Bpin. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9075-8	16.4	95
111	Copper-catalyzed dehydrogenative cross-coupling of benzothiazoles with thiazoles and polyfluoroarene. <i>Organic Letters</i> , <b>2012</b> , 14, 4950-3	6.2	93

110	Palladium-Catalyzed Difluoroalkylation of Aryl Boronic Acids: A New Method for the Synthesis of Aryldifluoromethylated Phosphonates and Carboxylic Acid Derivatives. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 1695-1699	3.6	86
109	Nickel-Catalyzed Difluoroalkylation of (Hetero)Arylborons with Unactivated 1-Bromo-1,1-difluoroalkanes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5837-41	16.4	84
108	Palladium-Catalyzed Difluoroalkylation of Isocyanides: Access to Difluoroalkylated Phenanthridine Derivatives. <i>Organic Letters</i> , <b>2015</b> , 17, 5384-7	6.2	83
107	Pd-catalyzed direct arylation of polyfluoroarenes on water under mild conditions using PPh <sub>3</sub> ligand. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 2992-8	4.2	80
106	Palladium-catalyzed ortho-selective C-F activation of polyfluoroarenes with triethylsilane: a facile access to partially fluorinated aromatics. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5813-7	16.4	80
105	Palladium-Catalyzed Aerobic Dehydrogenative Cross-Coupling of Polyfluoroarenes with Thiophenes: Facile Access to Polyfluoroarene–thiophene Structure. <i>Organometallics</i> , <b>2012</b> , 31, 1335-1340	3.8	79
104	Pd-catalyzed dehydrogenative cross-coupling of polyfluoroarenes with heteroatom-substituted enones. <i>Organic Letters</i> , <b>2012</b> , 14, 1176-9	6.2	72
103	Pd-catalyzed direct cross-coupling of electron-deficient polyfluoroarenes with heteroaromatic tosylates. <i>Organic Letters</i> , <b>2011</b> , 13, 4374-7	6.2	72
102	Construction of Optically Active Quaternary Propargyl Amines by Highly Enantioselective Zinc/BINOL-Catalyzed Alkynylation of Ketoimines. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 11992-8	4.8	70
101	Highly enantioselective zinc/BINOL-catalyzed alkynylation of $\beta$ -ketoimine ester: a new entry to optically active quaternary $\beta$ -CF <sub>3</sub> $\beta$ -amino acids. <i>Chemical Communications</i> , <b>2011</b> , 47, 5587-9	5.8	66
100	Controllable catalytic difluorocarbene transfer enables access to diversified fluoroalkylated arenes. <i>Nature Chemistry</i> , <b>2019</b> , 11, 948-956	17.6	66
99	Facile Access to Fluoromethylated Arenes by Nickel-Catalyzed Cross-Coupling between Arylboronic Acids and Fluoromethyl Bromide. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9079-83	16.4	65
98	Copper- and phosphine-ligand-free palladium-catalyzed direct allylation of electron-deficient polyfluoroarenes with allylic chlorides. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 14643-8	4.8	65
97	Synthesis of $\beta$ -difluoromethylene alkynes by palladium-catalyzed gem-difluoropropargylation of aryl and alkenyl boron reagents. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 10457-61	16.4	61
96	Nickel-Catalyzed Cross-Coupling of Functionalized Difluoromethyl Bromides and Chlorides with Aryl Boronic Acids: A General Method for Difluoroalkylated Arenes. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10067-10071	3.6	60
95	Direct Pd-catalyzed benzylation of highly electron-deficient perfluoroarenes. <i>Chemical Communications</i> , <b>2010</b> , 46, 4926-8	5.8	57
94	Nickel-Catalyzed Dicarbofunctionalization of Alkenes. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 1371-1394	4.9	56
93	Biosynthesis of the antimicrobial peptide epilancin 15X and its N-terminal lactate. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 857-67		56

92	Palladium-Catalyzed Heck-Type Difluoroalkylation of Alkenes with Functionalized Difluoromethyl Bromides. <i>Synthesis</i> , <b>2015</b> , 47, 2912-2923	2.9	53
91	Tandem Difluoroalkylation-Arylation of Enamides Catalyzed by Nickel. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 12458-12462	3.6	53
90	3-deoxy-3,3-difluoro-D-arabinofuranose: first stereoselective synthesis and application in preparation of gem-difluorinated sugar nucleosides. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 9026-33	4.2	51
89	Copper-catalyzed cross-coupling of bromozinc-difluoromethylphosphonate with iodo/bromo-aryl triazenes. <i>Organic Chemistry Frontiers</i> , <b>2014</b> , 1, 113-116	5.2	50
88	Bulky Diamine Ligand Promotes Cross-Coupling of Difluoroalkyl Bromides by Iron Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6921-6925	16.4	48
87	Nickel-Catalyzed Difluoroalkylation/Alkylation of Enamides. <i>ACS Catalysis</i> , <b>2019</b> , 9, 8224-8229	13.1	48
86	Fluoroalkylation/Borylation of Alkynes: An Efficient Method To Obtain (Z)-Tri- and Tetrasubstituted Fluoroalkylated Alkenylboronates. <i>ACS Catalysis</i> , <b>2019</b> , 9, 38-43	13.1	45
85	Visible-Light-Promoted Tandem Difluoroalkylation-Amidation: Access to Difluorooxindoles from Free Anilines. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 3943-3949	4.2	44
84	Carbonylation of Difluoroalkyl Bromides Catalyzed by Palladium. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10401-5	16.4	44
83	Synthesis of 2'S3'Sdideoxy-2'Strifluoromethylnucleosides from alpha-trifluoromethyl-alpha,beta-unsaturated ester. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 7075-82	4.2	44
82	Copper-Catalyzed Highly Enantioselective Difluoroalkylation of Secondary Propargyl Sulfonates with Difluoroenoxy silanes. <i>Chem</i> , <b>2019</b> , 5, 2987-2999	16.2	42
81	Copper-Catalyzed Highly Stereoselective Trifluoromethylation and Difluoroalkylation of Secondary Propargyl Sulfonates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 3187-3191	16.4	41
80	Highly diastereoselective synthesis of quaternary $\beta$ -trifluoromethyl $\beta$ -amino acids from chiral imines of trifluoropyruvate. <i>Chemical Communications</i> , <b>2010</b> , 46, 8029-31	5.8	38
79	Nickel-Catalyzed Reductive Cross-Coupling of (Hetero)Aryl Iodides with Fluorinated Secondary Alkyl Bromides. <i>Organic Letters</i> , <b>2015</b> , 17, 5570-3	6.2	37
78	Highly selective nickel-catalyzed gem-difluoropropargylation of unactivated alkylzinc reagents. <i>Nature Communications</i> , <b>2017</b> , 8, 1460	17.4	36
77	Pd-catalyzed oxidative cross-coupling between two electron rich heteroarenes. <i>Chemical Science</i> , <b>2013</b> , 4, 3508	9.4	36
76	Palladium-catalyzed phosphonyldifluoromethylation of alkenes with bromodifluoromethylphosphonate. <i>Organic Chemistry Frontiers</i> , <b>2016</b> , 3, 466-469	5.2	35
75	Heteroaryldifluoromethylation of organoborons catalyzed by palladium: facile access to aryl(heteroaryl)difluoromethanes. <i>Organic Letters</i> , <b>2014</b> , 16, 4822-5	6.2	34

74	Visible light promoted fluoroalkylation of alkenes and alkynes using 2-bromophenol as a catalyst. <i>Chemical Communications</i> , <b>2019</b> , 55, 12259-12262	5.8	34
73	On the substrate specificity of dehydration by lactacin 481 synthetase. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 2212-3	16.4	33
72	Nickel-Catalyzed Difluoromethylation of Arylboronic Acids with Bromodifluoromethane. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 143-146	4.9	33
71	Nickel-Catalyzed Carbonylation of Difluoroalkyl Bromides with Arylboronic Acids. <i>Organic Letters</i> , <b>2019</b> , 21, 1031-1036	6.2	32
70	Synthesis of $\beta$ -Difluoromethylene Alkynes by Palladium-Catalyzed gem-Difluoropropargylation of Aryl and Alkenyl Boron Reagents. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 10625-10629	3.6	32
69	trans-Selective Aryldifluoroalkylation of Endocyclic Enecarbamates and Enamides by Nickel Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 18741-18747	16.4	31
68	Thioether-promoted direct olefination of polyfluoroarenes catalyzed by palladium. <i>Organic Letters</i> , <b>2013</b> , 15, 5266-9	6.2	31
67	Nickel-Catalyzed Four-Component Carbocarbonylation of Alkenes under 1 atm of CO. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18191-18199	16.4	31
66	Highly Selective Pd-Catalyzed Direct C-F Bond Arylation of Polyfluoroarenes. <i>Organic Letters</i> , <b>2018</b> , 20, 2543-2546	6.2	30
65	Ruthenium-catalyzed 1,3-dipolar cycloaddition of trifluoromethylated propargylic alcohols with azides. <i>Tetrahedron Letters</i> , <b>2008</b> , 49, 3927-3930	2	30
64	Catalyst-free and visible light promoted trifluoromethylation and perfluoroalkylation of uracils and cytosines. <i>Chemical Communications</i> , <b>2018</b> , 54, 13662-13665	5.8	29
63	Pd-catalyzed direct arylation of nitro(pentafluorosulfonyl)benzenes with aryl bromides. <i>Organic Letters</i> , <b>2013</b> , 15, 5004-7	6.2	28
62	A one-pot synthesis of (E)- $\beta$ -bromo- $\alpha$ -unsaturated esters and their trifluoromethylation: a general and stereoselective route to (E)- $\beta$ -trifluoromethyl- $\alpha$ -unsaturated esters. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 5929-5931	2	28
61	Decarboxylative and Deaminative Alkylation of Difluoroenoxyasilanes via Photoredox Catalysis: A General Method for Site-Selective Synthesis of Difluoroalkylated Alkanes. <i>Organic Letters</i> , <b>2020</b> , 22, 7747-7751 <sup>28</sup>	6.2	28
60	Visible-Light-Induced Palladium-Catalyzed Selective Defluoroarylation of Trifluoromethylarenes with Arylboronic Acids. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13971-13979	16.4	27
59	Chlorodifluoromethane as a C1 Synthon in the Assembly of N-Containing Compounds. <i>IScience</i> , <b>2019</b> , 19, 1-13	6.1	26
58	On the regioselectivity of thioether formation by lactacin 481 synthetase. <i>Organic Letters</i> , <b>2007</b> , 9, 3343-6.2	6.2	26
57	Synthesis of diaryldifluoromethanes by Pd-catalyzed difluoroalkylation of arylboronic acids. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 38-41	5.2	25

56	Pd-catalyzed gem-difluoroallylation of arylboronic acids with $\alpha,\alpha$ -difluoroallylic acetates. <i>Chemical Communications</i> , <b>2016</b> , 52, 1238-41	5.8	25
55	Synthesis of new 2'S3'Sdideoxy-6'S6'Sdifluoro-3'Sthionucleoside from gem-difluorohomoallyl alcohol. <i>Organic Letters</i> , <b>2004</b> , 6, 3941-4	6.2	25
54	A new route to $\beta$ -trifluoromethyl- $\alpha,\beta$ -unsaturated esters. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 2953-2955	2	25
53	Highly diastereoselective Zn/SnCl <sub>2</sub> -mediated gem-difluoroallylation of chiral hydrazones. <i>Organic Letters</i> , <b>2009</b> , 11, 73-6	6.2	24
52	Nickel-catalyzed carbodifunctionalization of N-vinylamides enables access to $\beta$ -amino acids. <i>Chemical Communications</i> , <b>2020</b> , 56, 2642-2645	5.8	22
51	Synthesis of nonproteinogenic amino acids to probe lantibiotic biosynthesis. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 6685-92	4.2	22
50	Synthesis of novel L-2'S3'Sdideoxy-2'Strifluoromethyl-4'S thiocytidines from $\alpha$ -trifluoromethyl- $\alpha,\beta$ -unsaturated ester. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 1016-9	4.2	22
49	Direct (het)arylation of fluorinated benzothiadiazoles and benzotriazole with (het)aryl iodides. <i>Journal of Organic Chemistry</i> , <b>2014</b> , 79, 1712-8	4.2	21
48	Nickel-Catalyzed Carbonylation of Secondary Trifluoromethylated, Difluoromethylated, and Nonfluorinated Aliphatic Electrophiles with Arylboronic Acids under 1 atm of CO. <i>ACS Catalysis</i> , <b>2020</b> , 10, 36-42	13.1	20
47	Facile Access to Fluoromethylated Arenes by Nickel-Catalyzed Cross-Coupling between Arylboronic Acids and Fluoromethyl Bromide. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9207-9211	3.6	19
46	Copper-Catalyzed Direct Propargylation of Polyfluoroarenes with Secondary Propargyl Phosphates. <i>Organic Letters</i> , <b>2016</b> , 18, 3302-5	6.2	19
45	Selective thienylation of fluorinated benzothiadiazoles and benzotriazoles for organic photovoltaics. <i>Chemical Science</i> , <b>2014</b> , 5, 1317-1321	9.4	19
44	Pd-catalyzed Highly Regio- and Stereocontrolled Direct Alkenylation of Electron-deficient Polyfluoroarenes. <i>Chemistry Letters</i> , <b>2011</b> , 40, 978-979	1.7	18
43	Stereoselective Functionalization of Racemic Cyclopropylzinc Reagents via Enantiodivergent Relay Coupling. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 11884-11892	16.4	17
42	Visible-light-mediated direct perfluoroalkylation and trifluoromethylation of free anilines. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 3939-3941	2	17
41	Synthesis of L-beta-3'Sdeoxy-3'S3'Sdifluoro-4'Sthionucleosides. <i>Organic Letters</i> , <b>2006</b> , 8, 6083-6	6.2	17
40	Synthesis of L- and D-beta-3'SDeoxy-3'S3'Sdifluoronucleosides. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 2820-4	4.2	17
39	Highly $\beta$ -Selective Arylation and Carbonylative Arylation of 3-Bromo-3,3-difluoropropene via Nickel Catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12386-12391	16.4	17

38	Nickel-Catalyzed Difluoroalkylation of (Hetero)Arylborons with Unactivated 1-Bromo-1,1-difluoroalkanes. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5931-5935	3.6	17
37	Ni-Catalyzed Defluorination for the Synthesis of gem-Difluoro-1,3-dienes and Their [4 + 2] Cycloaddition Reaction. <i>Organic Letters</i> , <b>2019</b> , 21, 671-674	6.2	17
36	Access to Difluoromethylene-Skipped 1,4-Diynes with gem-Difluoropropargyl Bromide. <i>ACS Catalysis</i> , <b>2017</b> , 7, 896-901	13.1	16
35	New interpretation of tectonic model in south Tibet. <i>Journal of Asian Earth Sciences</i> , <b>2012</b> , 56, 147-159	2.8	15
34	Nickel-Catalyzed Cross-Coupling of gem-Difluoropropargyl Bromide with Aryl Boronic Acids. <i>Acta Chimica Sinica</i> , <b>2015</b> , 73, 383	3.3	15
33	Palladium-catalyzed cross-coupling of unactivated alkylzinc reagents with 2-bromo-3,3,3-trifluoropropene and its application in the synthesis of fluorinated amino acids. <i>Chemical Communications</i> , <b>2019</b> , 55, 3705-3708	5.8	14
32	Brønsted Acid Catalyzed gem-Difluoroallylation of Aldehydes and Ketone with Triisopropoxy- $\beta$ -difluoroallylboronic Acid Pinacol Ester. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 477-480	4.9	14
31	Nickel-Catalyzed ortho-Selective Hydrodefluorination of N-Containing Heterocycle-Polyfluoroarenes. <i>Chinese Journal of Chemistry</i> , <b>2013</b> , 31, 873-877	4.9	14
30	Palladium Difluorocarbene Involved Catalytic Coupling with Terminal Alkynes. <i>CCS Chemistry</i> , <b>2020</b> , 2, 293-304	7.2	14
29	Direct olefination of fluorinated benzothiadiazoles: a new entry to optoelectronic materials. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 4532-6	4.8	13
28	Highly diastereoselective synthesis of quaternary $\beta$ -trifluoromethyl $\beta$ -amino acids by addition of benzylzinc reagents to chiral imines of trifluoropyruvate. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 4675-4677	2	12
27	Ductile deformation within Upper Himalaya Crystalline Sequence and geological implications, in Nyalam area, Southern Tibet. <i>Science Bulletin</i> , <b>2012</b> , 57, 3469-3481		11
26	trans-Selective Aryldifluoroalkylation of Endocyclic Enecarbamates and Enamides by Nickel Catalysis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 18900-18906	3.6	10
25	Bromotrifluoromethane: A Useful Reagent for Hydrotrifluoromethylation of Alkenes and Alkynes. <i>Synlett</i> , <b>2018</b> , 29, 1028-1032	2.2	10
24	Copper-Catalyzed Highly Stereoselective Trifluoromethylation and Difluoroalkylation of Secondary Propargyl Sulfonates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 3241-3245	3.6	10
23	Pd-catalyzed aerobic direct olefination of polyfluoroarenes. <i>Tetrahedron Letters</i> , <b>2014</b> , 55, 2962-2964	2	9
22	Diastereoselective synthesis of propargylic fluorides and its application in preparation of monofluorinated sugar. <i>Tetrahedron</i> , <b>2010</b> , 66, 5218-5228	2.4	9
21	Synthesis of 3-deoxy-3,3-difluoro-d-ribohexose from gem-difluorohomoallyl alcohol. <i>Journal of Fluorine Chemistry</i> , <b>2007</b> , 128, 535-539	2.1	9



20	Nickel-Catalyzed Difluoromethylation of (Hetero)aryl Bromides with BrCF <sub>2</sub> H. <i>Chinese Journal of Organic Chemistry</i> , <b>2019</b> , 39, 215	3	9
19	Nickel-Catalyzed Difluoroalkylation of (Hetero)aryl Bromides with Unactivated 1-Bromo-1,1-difluoroalkanes. <i>Chinese Journal of Chemistry</i> , <b>2018</b> , 36, 1059-1062	4.9	9
18	Palladium-catalyzed Heck-type reaction of secondary trifluoromethylated alkyl bromides. <i>Beilstein Journal of Organic Chemistry</i> , <b>2017</b> , 13, 2610-2616	2.5	8
17	Stereoselective Reformatskii-Claisen rearrangement: synthesis of 2'S3'Sdideoxy-6'S6'Sdifluoro-2'Sthionucleosides. <i>Chemical Communications</i> , <b>2009</b> , 1505-7	5.8	8
16	Copper-Catalyzed Enantioselective Trifluoromethylthiolation of Secondary Propargyl Sulfonates. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1463-1471	7.2	6
15	Using expressed protein ligation to probe the substrate specificity of lantibiotic synthetases. <i>Methods in Enzymology</i> , <b>2009</b> , 462, 117-34	1.7	5
14	Iron-Catalyzed Cross-Coupling of Diarylzinc or Aryl Grignard Reagents with Difluoroalkyl Bromides. <i>Acta Chimica Sinica</i> , <b>2018</b> , 76, 977	3.3	5
13	Using Chlorotrifluoroethane for Trifluoroethylation of (Hetero)aryl Bromides and Chlorides via Nickel Catalysis. <i>Organic Letters</i> , <b>2021</b> , 23, 1400-1405	6.2	5
12	Synthesis of 5-pentafluorosulfanyl indazoles. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 4473-4475	2	4
11	Bulky Diamine Ligand Promotes Cross-Coupling of Difluoroalkyl Bromides by Iron Catalysis. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 7037-7041	3.6	3
10	Stereocontrolled Synthesis of gem-Difluoromethylenated Goniodiols and Goniothalamine Epoxides Based on Ring-Closing Metathesis. <i>Synthesis</i> , <b>2006</b> , 2006, 2535-2542	2.9	3
9	Regio- and enantioselective umpolung gem-difluoroallylation of hydrazones via palladium catalysis enabled by N-heterocyclic carbene ligand. <i>Nature Communications</i> , <b>2021</b> , 12, 6551	17.4	3
8	Access to $\alpha$ -Difluoro- $\beta$ -amino Acids by Nickel-Catalyzed Reductive Aryldifluoroacetylation of N-Vinylacetamide. <i>Synlett</i> , <b>2020</b> ,	2.2	2
7	Pd-catalyzed cross-coupling of polyfluoroarenes with cyclic vinyl triflates. <i>Science China Chemistry</i> , <b>2014</b> , 57, 276-281	7.9	2
6	Palladium-Catalyzed Carbonylative Cross-Coupling of Difluoroalkyl Halides with Alkylboranes under 1 atm of CO. <i>Organic Letters</i> , <b>2021</b> , 23, 9106-9111	6.2	1
5	Palladium-Catalyzed Direct Thienylation of Monobromide-Substituted Difluorinated Benzothiadiazoles for Organic Photovoltaics. <i>Synlett</i> , <b>2015</b> , 26, 2175-2179	2.2	0
4	Highly $\beta$ -selective Arylation and Carbonylative Arylation of 3-Bromo-3,3-difluoropropene via Nickel Catalysis. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12494-12499	3.6	0
3	Palladium-catalyzed direct allylation of fluorinated benzothiadiazoles with allyl chlorides. <i>Tetrahedron</i> , <b>2018</b> , 74, 6329-6334	2.4	0



- 2 (Fluoro)alkylation of alkenes promoted by photolysis of alkylzirconocenes.. *Chemical Science*, **2022**, 13, 3454-3460 9.4 o
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