

¹⁸F-Labeling of Arenes and Heteroarenes for Tomography

Chemical Reviews

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Transition-Metal-Free Fluoroarylation of Diazoacetamides: A Complementary Approach to 3-Fluorooxindoles. <i>Journal of Organic Chemistry</i> , 2016, 81, 6887-6892.	1.7	34
3	Rhodium-Catalyzed Geminal Oxyfluorination and Oxytrifluoro-Methylation of Diazocarbonyl Compounds. <i>Angewandte Chemie</i> , 2016, 128, 8550-8555.	1.6	23
4	Palladium(II)-Catalyzed Cross-Dehydrogenative Coupling (CDC) of <i>N</i> -Phthaloyl Dehydroalanine Esters with Simple Arenes: Stereoselective Synthesis of <i>Z</i> -Dehydrophenylalanine Derivatives. <i>Organic Letters</i> , 2016, 18, 2762-2765.	2.4	41
5	Synthesis of trifluoromethylated isoxazoles and their elaboration through inter- and intra-molecular ¹⁹ F arylation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5983-5991.	1.5	37
6	Comprehensive Energetic Scale for Quantitatively Estimating the Fluorinating Potential of ¹⁹ F Reagents in Electrophilic Fluorinations. <i>Journal of Organic Chemistry</i> , 2016, 81, 4280-4289.	1.7	50
7	Synthesis of meta-substituted [¹⁸ F]3-fluoro-4-aminopyridine via direct radiofluorination of pyridine N-oxides. <i>Chemical Communications</i> , 2016, 52, 7150-7152.	2.2	22
8	Copper-mediated trifluoromethylation of diaryliodonium salts with difluoromethyltriflate. <i>Journal of Fluorine Chemistry</i> , 2016, 186, 45-51.	0.9	10
9	Radiosynthesis and preliminary PET evaluation of ¹⁸ F-labeled 2-(1-(3-fluorophenyl)-2-oxo-5-(pyrimidin-2-yl)-1,2-dihydropyridin-3-yl)benzonitrile for imaging AMPA receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4857-4860.	1.0	16
10	Hydrogen-Bonded Homoleptic Fluoride-Diarylurea Complexes: Structure, Reactivity, and Coordinating Power. <i>Journal of the American Chemical Society</i> , 2016, 138, 13314-13325.	6.6	73
11	Mechanism and Origin of the Unexpected Chemoselectivity in Fluorocyclization of <i>o</i> -Styryl Benzamides with a Hypervalent Fluoroiodane Reagent. <i>Journal of Organic Chemistry</i> , 2016, 81, 9006-9011.	1.7	45
12	Radiosynthesis of SPECT tracers via a copper mediated ¹²³ I iodination of (hetero)aryl boron reagents. <i>Chemical Communications</i> , 2016, 52, 13277-13280.	2.2	47
13	Thiyl-Radical-Catalyzed Photoreductive Hydrodifluoroacetamidation of Alkenes with Hantzsch Ester as a Multifunctional Reagent. <i>ACS Catalysis</i> , 2016, 6, 7471-7474.	5.5	45
14	Copper-Mediated Radiofluorination of Arylstannanes with [¹⁸ F]KF. <i>Organic Letters</i> , 2016, 18, 5440-5443.	2.4	151
15	Translocator protein ligands based on <i>N</i> -methyl-(quinolin-4-yl)oxypropanamides with properties suitable for PET radioligand development. <i>European Journal of Medicinal Chemistry</i> , 2016, 124, 677-688.	2.6	2
16	Difluoroalkylation/ ¹⁹ F Annulation Cascade Reaction Induced by Visible-Light Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 9992-10001.	1.7	54
17	Fluorination methods in drug discovery. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8398-8427.	1.5	271
18	Synthesis of ¹⁸ F- ¹⁹ F difluoromethylarenes from Aryl (Pseudo) Halides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10786-10790.	7.2	38
19	Synthesis of ¹⁸ F- ¹⁹ F difluoromethylarenes from Aryl (Pseudo) Halides. <i>Angewandte Chemie</i> , 2016, 128, 10944-10948.	1.6	11

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20	The unique fluorine effects in organic reactions: recent facts and insights into fluoroalkylations. <i>Chemical Society Reviews</i> , 2016, 45, 5441-5454.	18.7	505
21	Rhodium-Catalyzed Oxy-Aminofluorination of Diazoketones with Tetrahydrofurans and <i>N</i> -Fluorobenzenesulfonimide. <i>ACS Catalysis</i> , 2016, 6, 6687-6691.	5.5	46
22	Radiochemistry, PET Imaging, and the Internet of Chemical Things. <i>ACS Central Science</i> , 2016, 2, 497-505.	5.3	14
23	Fluorine and Gold: A Fruitful Partnership. <i>Chemical Reviews</i> , 2016, 116, 11924-11966.	23.0	177
24	Efficient Pathway for the Preparation of Aryl(isoquinoline)iodonium(III) Salts and Synthesis of Radiofluorinated Isoquinolines. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11882-11886.	7.2	46
25	Fluorination methods for drug discovery and development. <i>Expert Opinion on Drug Discovery</i> , 2016, 11, 983-999.	2.5	61
26	Perfluoroalkanesulfonylation of Alkynyl(phenyl)iodonium Tosylates by the Weakly Nucleophilic Sodium Perfluoroalkanesulfonates. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 4119-4124.	2.1	10
27	Efficient Pathway for the Preparation of Aryl(isoquinoline)iodonium(III) Salts and Synthesis of Radiofluorinated Isoquinolines. <i>Angewandte Chemie</i> , 2016, 128, 12061-12065.	1.6	13
28	Fluorine-18 patents (2009-2015). Part 2: new radiochemistry. <i>Pharmaceutical Patent Analyst</i> , 2016, 5, 319-349.	0.4	13
29	(IPr)CuF-catalyzed β -site regiocontrolled trans-hydrofluorination of ynamides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7746-7753.	1.5	33
30	Hypervalent iodine(III) fluorinations of alkenes and diazo compounds: new opportunities in fluorination chemistry. <i>Chemical Society Reviews</i> , 2016, 45, 6270-6288.	18.7	215
31	Mechanism of Silver-Mediated Geminal Difluorination of Styrenes with a Fluoroiodane Reagent: Insights into Lewis-Acid-Activation Model. <i>Organic Letters</i> , 2016, 18, 6128-6131.	2.4	59
32	Expeditious trifluoromethylthiolation and trifluoromethylselenolation of alkynyl(phenyl)iodoniums by [XCF ₃] ⁻ (X = S, Se) anions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11502-11509.	1.5	52
33	Efficient DBU accelerated synthesis of ¹⁸ F-labelled trifluoroacetamides. <i>Chemical Communications</i> , 2016, 52, 13963-13966.	2.2	13
34	Facile room temperature synthesis of fluorine-18 labeled fluoronicotinic acid-2,3,5,6-tetrafluorophenyl ester without azeotropic drying of fluorine-18. <i>Nuclear Medicine and Biology</i> , 2016, 43, 770-772.	0.3	25
35	Copper-Catalyzed Insertion into Heteroatom-Hydrogen Bonds with Trifluorodiazalkanes. <i>Angewandte Chemie</i> , 2016, 128, 3849-3853.	1.6	32
36	Copper-Catalyzed Insertion into Heteroatom-Hydrogen Bonds with Trifluorodiazalkanes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3785-3789.	7.2	165
37	¹¹ C=O bonds made easily for positron emission tomography radiopharmaceuticals. <i>Chemical Society Reviews</i> , 2016, 45, 4708-4726.	18.7	98

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38	18F-Labeling of Mannan for Inflammation Research with Positron Emission Tomography. ACS Medicinal Chemistry Letters, 2016, 7, 826-830.	1.3	11
39	Modern Transition-Metal-Catalyzed Carbon-Halogen Bond Formation. Chemical Reviews, 2016, 116, 8003-8104.	23.0	491
40	Enhanced copper-mediated ¹⁸ F-fluorination of aryl boronic esters provides eight radiotracers for PET applications. Chemical Communications, 2016, 52, 8361-8364.	2.2	132
41	Hydrogen-bond promoted nucleophilic fluorination: concept, mechanism and applications in positron emission tomography. Chemical Society Reviews, 2016, 45, 4638-4650.	18.7	130
42	AgSCF ₃ -Mediated Oxidative Trifluoromethylthiolation of Alkynes with Dearomatization to Synthesize SCF ₃ -Substituted Spiro[4,5]trienones. Organic Letters, 2016, 18, 3486-3489.	2.4	112
43	Rhodium-Catalyzed Geminal Oxyfluorination and Oxytrifluoro-Methylation of Diazocarbonyl Compounds. Angewandte Chemie - International Edition, 2016, 55, 8410-8415.	7.2	124
44	Generation of trifluoromethyl thiol sulphonate through one-pot reaction of sulfonyl chloride and trifluoromethanesulfanylamides. Tetrahedron Letters, 2017, 58, 690-693.	0.7	14
45	Crystal Structures of Diaryliodonium Fluorides and Their Implications for Fluorination Mechanisms. Chemistry - A European Journal, 2017, 23, 4353-4363.	1.7	11
46	Synthesis and Reactivity of ¹⁸ F-Labeled α,α -Difluoro- α -(aryloxy)acetic Acids. Organic Letters, 2017, 19, 568-571.	2.4	13
47	Synthesis of trifluoromethyl moieties by late-stage copper (I) mediated nucleophilic fluorination. Journal of Fluorine Chemistry, 2017, 194, 51-57.	0.9	8
48	A Potential PET Radiotracer for the 5-HT _{2C} Receptor: Synthesis and in Vivo Evaluation of 4-(3-[¹⁸ F]fluorophenoxy)pyrimidine. ACS Chemical Neuroscience, 2017, 8, 996-1003.	1.7	25
49	Palladium-Catalyzed, Enantioselective α -Arylation of α -Fluorooxindoles. Organic Letters, 2017, 19, 1390-1393.	2.4	65
50	Silver-promoted (radio)fluorination of unsaturated carbamates via a radical process. Chemical Communications, 2017, 53, 3497-3500.	2.2	49
51	Development of Customized [18F]Fluoride Elution Techniques for the Enhancement of Copper-Mediated Late-Stage Radiofluorination. Scientific Reports, 2017, 7, 233.	1.6	51
53	Development of Highly Affine and Selective Fluorinated Cannabinoid Type 2 Receptor Ligands. ACS Medicinal Chemistry Letters, 2017, 8, 566-571.	1.3	10
54	Ionic Liquid-Mediated Hydrofluorination of <i>o</i> -Azaxylylenes Derived from 3-Bromooxindoles. Organic Letters, 2017, 19, 2572-2575.	2.4	28
55	[¹⁸ F]-Fluoride capture and release: azeotropic drying free nucleophilic aromatic radiofluorination assisted by a phosphonium borane. Chemical Communications, 2017, 53, 340-343.	2.2	9
56	Metal-free ¹⁸ F-labeling of aryl-CF ₂ H via nucleophilic radiofluorination and oxidative C-H activation. Chemical Communications, 2017, 53, 126-129.	2.2	24

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57	A catalytic fluoride-rebound mechanism for C(sp ³)-CF ₃ bond formation. <i>Science</i> , 2017, 356, 1272-1276.	6.0	103
58	Derisking the Cu-Mediated ¹⁸ F-Fluorination of Heterocyclic Positron Emission Tomography Radioligands. <i>Journal of the American Chemical Society</i> , 2017, 139, 8267-8276.	6.6	158
59	Copper-Catalyzed, Stereoselective Bis-trifluoromethylthiolation of Propiolic Acid Derivatives with AgSCF ₃ . <i>Organic Letters</i> , 2017, 19, 3247-3250.	2.4	57
60	±,±-Difluoro±±-(trimethylsilyl)acetamides as Versatile Reagents for the Preparation of Difluorinated Aldol and Mannich Adducts. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2815-2823.	2.1	17
61	Fluorine-18 labelled building blocks for PET tracer synthesis. <i>Chemical Society Reviews</i> , 2017, 46, 4709-4773.	18.7	150
62	A Systematic Evaluation of the N≡F Bond Strength of Electrophilic N≡F Reagents: Hints for Atomic Fluorine Donating Ability. <i>Journal of Organic Chemistry</i> , 2017, 82, 4129-4135.	1.7	40
63	Synthesis of Pentafluoroethyl Ethers by Silver-Mediated Oxidative Pentafluoroethylation of Alcohols and Phenols. <i>Journal of Organic Chemistry</i> , 2017, 82, 3702-3709.	1.7	13
64	Beyond ferryl-mediated hydroxylation: 40 years of the rebound mechanism and C-H activation. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 185-207.	1.1	238
65	Free-Radical Bromotrifluoromethylation of Olefin via Single-Electron Oxidation of NaSO ₂ CF ₃ by NaBrO ₃ . <i>Journal of Organic Chemistry</i> , 2017, 82, 1649-1656.	1.7	41
66	Fast indirect fluorine-18 labeling of protein/peptide using the useful 6-fluoronicotinic acid-2,3,5,6-tetrafluorophenyl prosthetic group: A method comparable to direct fluorination. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 168-175.	0.5	23
67	Metathesis Mechanism of Zinc-Catalyzed Fluorination of Alkenes with Hypervalent Fluoroiodine. <i>ACS Catalysis</i> , 2017, 7, 1093-1100.	5.5	57
68	Bridging the gaps in ¹⁸ F PET tracer development. <i>Nature Chemistry</i> , 2017, 9, 1-3.	6.6	71
69	Copper-Mediated C-X Functionalization of Aryl Halides. <i>Organic Process Research and Development</i> , 2017, 21, 1889-1924.	1.3	80
70	Liver-Targeted Small Molecule Inhibitors of Proprotein Convertase Subtilisin/Kexin Type 9 Synthesis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16218-16222.	7.2	35
71	Silver-mediated oxidative C-H difluoromethylation of phenanthridines and 1,10-phenanthrolines. <i>Chemical Communications</i> , 2017, 53, 11484-11487.	2.2	29
72	Designing Silylated Amino Acids using a Wittig Strategy: Synthesis of Peptide Derivatives and ¹⁸ F-Labeling. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5399-5409.	1.2	4
73	Bifunctional arylidonium salts for highly efficient radioiodination and astatination of antibodies. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5975-5980.	1.4	22
74	Organocatalyst-assisted Ar ¹⁸ F bond formation: a universal procedure for direct aromatic radiofluorination. <i>Chemical Communications</i> , 2017, 53, 12906-12909.	2.2	14

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75	Synthesis of [¹⁸ F]Fluoroarenes by Nucleophilic Radiofluorination of Arylsydnonones. <i>Angewandte Chemie</i> , 2017, 129, 13186-13190.	1.6	10
76	A one-pot radioiodination of aryl amines via stable diazonium salts: preparation of ¹²⁵ I-imaging agents. <i>Chemical Communications</i> , 2017, 53, 11008-11011.	2.2	24
77	Small Molecule PET Tracers in Drug Discovery. <i>Seminars in Nuclear Medicine</i> , 2017, 47, 454-460.	2.5	23
78	Synthesis of [¹⁸ F]Fluoroarenes by Nucleophilic Radiofluorination of Arylsydnonones. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13006-13010.	7.2	39
79	Effect of Pyridine Addition on the Efficiency of Copper-Mediated Radiofluorination of Aryl Pinacol Boronates. <i>ChemistrySelect</i> , 2017, 2, 7909-7912.	0.7	11
80	Photoredox-Catalyzed Cascade Difluoroalkylation and Intramolecular Cyclization for Construction of Fluorinated ¹³ -Butyrolactones. <i>Journal of Organic Chemistry</i> , 2017, 82, 9824-9831.	1.7	61
81	Microwave-Assisted Rapid One-Pot Synthesis of Fused and Non-Fused Indoles and ¹⁸ F-Fluoroindoles from Phenylazocarboxylates. <i>Chemistry - A European Journal</i> , 2017, 23, 16174-16178.	1.7	15
82	Small Prosthetic Groups in ¹⁸ F-Radiochemistry: Useful Auxiliaries for the Design of ¹⁸ F-PET Tracers. <i>Seminars in Nuclear Medicine</i> , 2017, 47, 474-492.	2.5	38
83	Synthesis and characterization of boron fenbufen and its F-18 labeled homolog for boron neutron capture therapy of COX-2 overexpressed cholangiocarcinoma. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 107, 217-229.	1.9	10
84	Regioselective Synthesis of SCF ₃ -Substituted 2,4-Diarylquinazoline Using AgSCF ₃ as Trifluoromethylthiolation Reagent. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1717-1725.	2.6	13
85	Investigating Substrate Scope and Enantioselectivity of a Defluorinase by a Stereochemical Probe. <i>Journal of the American Chemical Society</i> , 2017, 139, 11241-11247.	6.6	25
86	Geminal difluorination of ^{1,1} -disubstituted styrenes using fluoro-benziodoxole reagent. Migration aptitude of the ^{1,1} -substituents. <i>Journal of Fluorine Chemistry</i> , 2017, 203, 104-109.	0.9	32
87	Copper-Catalyzed Aminodifluoroalkylation of Alkenes with ^{1,1} -Bromodifluoroacetamides: Synthesis of 3,3-Difluoropyrrolidinones. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3114-3119.	2.1	42
88	Organic Dye-Catalyzed Atom Transfer Radical Addition-Elimination (ATRE) Reaction for the Synthesis of Perfluoroalkylated Alkenes. <i>Organic Letters</i> , 2017, 19, 4295-4298.	2.4	58
89	¹⁸ F-Deoxyfluorination of Phenols via Ru-Complexes. <i>ACS Central Science</i> , 2017, 3, 944-948.	5.3	74
90	Fluorodecarboxylation: Synthesis of aryl trifluoromethyl ethers (ArOCF ₃) and thioethers (ArSCF ₃). <i>Journal of Fluorine Chemistry</i> , 2017, 203, 130-135.	0.9	33
91	Strategies for radiolabelling antibody, antibody fragments and affibodies with fluorine-18 as tracers for positron emission tomography (PET). <i>Journal of Fluorine Chemistry</i> , 2017, 203, 31-46.	0.9	16
92	Trifluoromethylthiolation-Based Bifunctionalization of Diazocarbonyl Compounds by Rhodium Catalysis. <i>Organic Letters</i> , 2017, 19, 4548-4551.	2.4	44

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93	Last-Step Pd-Mediated [¹¹ C]CO Labeling of a Moxestrol-Conjugated <i>o</i> -Iodobenzyl Alcohol: From Model Experiments to In Vivo Positron Emission Tomography Studies. <i>Bioconjugate Chemistry</i> , 2017, 28, 2887-2894.	1.8	8
94	Recent progress on fluorination in aqueous media. <i>Green Chemistry</i> , 2017, 19, 3951-3992.	4.6	70
95	CuI-Catalyzed Fluorodesulfurization for the Synthesis of Monofluoromethyl Aryl Ethers. <i>Journal of Organic Chemistry</i> , 2017, 82, 8604-8610.	1.7	21
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97	An automated synthesizer for electrochemical ¹⁸ F-fluorination of organic compounds. <i>Applied Radiation and Isotopes</i> , 2017, 127, 245-252.	0.7	12
98	Selectivity of C-H Activation and Competition between C-H and C-F Bond Activation at Fluorocarbons. <i>Chemical Reviews</i> , 2017, 117, 8710-8753.	23.0	265
99	Cu-Mediated C-H ¹⁸ F-Fluorination of Electron-Rich (Hetero)arenes. <i>Organic Letters</i> , 2017, 19, 3939-3942.	2.4	87
100	Inverse electron demand Diels-Alder reactions in chemical biology. <i>Chemical Society Reviews</i> , 2017, 46, 4895-4950.	18.7	731
101	Hydrogen-bonding catalysis of sulfonium salts. <i>Chemical Communications</i> , 2017, 53, 119-122.	2.2	40
102	<i>o</i> -Trifluoromethylated Coumarins and Carbostyrils by Radical Trifluoromethylation of <i>ortho</i> -Functionalized Cinnamic Esters. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 271-277.	1.2	16
103	The Label Matters: ¹⁸ F PET Imaging of the Biodistribution of Low Molar Mass ⁸⁹ Zr and ¹⁸ F-Labeled Poly(2-ethyl-2-oxazoline). <i>Biomacromolecules</i> , 2017, 18, 96-102.	2.6	32
104	Superacid-Catalyzed Trifluoromethylthiolation of Aromatic Amines. <i>Angewandte Chemie</i> , 2017, 129, 175-178.	1.6	15
105	Superacid-Catalyzed Trifluoromethylthiolation of Aromatic Amines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 169-172.	7.2	56
106	Fluorinative ring-opening of cyclopropanes by hypervalent iodine reagents. An efficient method for 1,3-oxyfluorination and 1,3-difluorination. <i>Chemical Science</i> , 2017, 8, 1056-1061.	3.7	102
107	Medicinal Chemistry strategies for PET tracer discovery. <i>Drug Discovery Today: Technologies</i> , 2017, 25, 11-17.	4.0	5
108	Liver-Targeted Small Molecule Inhibitors of Proprotein Convertase Subtilisin/Kexin Type 9 Synthesis. <i>Angewandte Chemie</i> , 2017, 129, 16436-16440.	1.6	1
109	The diagnostic performance of ¹⁸ F-FAMT PET and ¹⁸ F-FDG PET for malignancy detection: a meta-analysis. <i>BMC Medical Imaging</i> , 2017, 17, 66.	1.4	14
110	Progress and Challenges in the Development of PET Ligands to Aid CNS Drug Discovery. , 2017, , 20-64.		4

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111	Innovative PET and SPECT Tracers. , 2018, , 255-279.		2
112	Nucleophilic 18F-Fluorination of Anilines via N-Arylsydnone Intermediates. <i>Synlett</i> , 2018, 29, 1131-1135.	1.0	9
113	Synthesis of Aryl Triflones through the Trifluoromethanesulfonylation of Benzynes. <i>ChemistryOpen</i> , 2018, 7, 204-211.	0.9	17
114	Iron-catalyzed <i>ortho</i> trifluoromethylation of anilines <i>via</i> picolinamide assisted photoinduced C-H functionalization. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2214-2218.	1.5	27
115	Palladium-Catalyzed Direct Approach to α -Trifluoromethyl Alcohols by Selective Hydroxylfluorination of <i>gem</i> -Difluoroalkenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5007-5015.	1.2	6
117	Practical Asymmetric Fluorination Approach to the Scalable Synthesis of New Fluoroaminothiazine BACE Inhibitors. <i>Organic Process Research and Development</i> , 2018, 22, 650-654.	1.3	10
118	Mechanisms of Rh-Catalyzed Oxyfluorination and Oxytrifluoromethylation of Diazocarbonyl Compounds with Hypervalent Fluoroiodine. <i>ACS Catalysis</i> , 2018, 8, 4483-4492.	5.5	35
119	[¹⁸ F]fluoro-benziodoxole: a no-carrier-added electrophilic fluorinating reagent. Rapid, simple radiosynthesis, purification and application for fluorine-18 labelling. <i>Chemical Communications</i> , 2018, 54, 4286-4289.	2.2	34
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121	Metal-Free and User-Friendly Regioselective Hydroxyfluorination of Olefins. <i>Organic Letters</i> , 2018, 20, 2338-2341.	2.4	23
122	Ordering the relative power of electrophilic fluorinating, trifluoromethylating, and trifluoromethylthiolating reagents: A summary of recent efforts. <i>Tetrahedron Letters</i> , 2018, 59, 1278-1285.	0.7	44
123	Visible-Light-Induced Difluoropropargylation Reaction with Benzothiazoline as a Reductant. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1466-1472.	2.1	17
124	Development of Candidates for Positron Emission Tomography (PET) Imaging of Ghrelin Receptor in Disease: Design, Synthesis, and Evaluation of Fluorine-Bearing Quinazolinone Derivatives. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1261-1275.	2.9	15
125	Synthesis of Multisubstituted Azatriphenylenes by Iridium-Catalyzed [2 + 2 + 2] Cycloaddition of Biaryl-Linked Diynes with Nitriles. <i>Journal of Organic Chemistry</i> , 2018, 83, 1852-1860.	1.7	21
126	¹⁸ F-Alanine Derivative Serves as an ASCT2 Marker for Cancer Imaging. <i>Molecular Pharmaceutics</i> , 2018, 15, 947-954.	2.3	17
127	Selective Radical Trifluoromethylation of Native Residues in Proteins. <i>Journal of the American Chemical Society</i> , 2018, 140, 1568-1571.	6.6	102
128	New Horizons of Photocatalytic Fluoromethylative Difunctionalization of Alkenes. <i>CheM</i> , 2018, 4, 409-437.	5.8	220
129	Rapid synthesis of maleimide functionalized fluorine-18 labeled prosthetic group using α -radiofluorination on the Sep-Pak method. <i>Journal of Labelled Compounds and Radiopharmaceutics</i> , 2018, 61, 599-605.	0.5	8

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130	The Literature of Heterocyclic Chemistry, Part XVI, 2016. <i>Advances in Heterocyclic Chemistry</i> , 2018, 126, 173-254.	0.9	6
131	Highly hindered 2-(aryl-di- <i>tert</i> -butylsilyl)- <i>N</i> -methyl-imidazoles: a new tool for the aqueous ¹⁹ F- and ¹⁸ F-fluorination of biomolecule-based structures. <i>Chemical Communications</i> , 2018, 54, 5098-5101.	2.2	7
132	Recent developments in multimodality fluorescence imaging probes. <i>Acta Pharmaceutica Sinica B</i> , 2018, 8, 320-338.	5.7	172
133	Rapid Cu-Catalyzed [²¹¹ At]Astatination and [¹²⁵ I]Iodination of Boronic Esters at Room Temperature. <i>Organic Letters</i> , 2018, 20, 1752-1755.	2.4	63
134	Hypervalent aryl iodine compounds as precursors for radiofluorination. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 196-227.	0.5	40
135	An efficient new method for the synthesis of 3- ¹⁸ F-fluoro-4-aminopyridine via Yamada-Curtius rearrangement. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 112-117.	0.5	17
136	One-step synthesis of [¹⁸ F]cabozantinib for use in positron emission tomography imaging of ¹⁸ F-M ¹⁸ F. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 11-17.	0.5	14
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