Contribution of Organofluorine Compounds to Pharma

ACS Omega

5, 10633-10640

DOI: 10.1021/acsomega.0c00830

Citation Report

#	Article	IF	Citations
1	Current Contributions of Organofluorine Compounds to the Agrochemical Industry. IScience, 2020, 23, 101467.	1.9	540
2	Next generation organofluorine containing blockbuster drugs. Journal of Fluorine Chemistry, 2020, 239, 109639.	0.9	179
3	Modular Synthesis of Medium-Sized Fluorinated and Nonfluorinated Heterocyclic Lactones by Sequential CN-Bond-Cleaving Ring Expansion under Pd Catalysis. ACS Catalysis, 2020, 10, 14117-14126.	5.5	42
4	Electrochemical Tandem Fluoroalkylation-Cyclization of Vinyl Azides: Access to Trifluoroethylated and Difluoroethylated N-Heterocycles. Journal of Organic Chemistry, 2020, 85, 15708-15716.	1.7	32
5	Organocatalyzed Fluoride Metathesis. Organic Letters, 2020, 22, 9351-9355.	2.4	15
6	Synthesis of Novel Cyclic Nitrones with gemâ€Difluoroalkyl Side Chains Through Cascade Reactions. European Journal of Organic Chemistry, 2020, 2020, 5741-5751.	1.2	2
7	Asymmetric Mannich reactions of (S)-N-tert-butylsulfinyl-3,3,3-trifluoroacetaldimines with yne nucleophiles. Beilstein Journal of Organic Chemistry, 2020, 16, 2671-2678.	1.3	5
8	Controlling the stereochemistry in 2-oxo-aldehyde-derived Ugi adducts through the cinchona alkaloid-promoted electrophilic fluorination. Beilstein Journal of Organic Chemistry, 2020, 16, 1963-1973.	1.3	2
9	Fluoride anion-initiated bis-trifluoromethylation of phenyl aromatic carboxylates with (trifluoromethyl)trimethylsilane. Chemical Communications, 2020, 56, 11661-11664.	2.2	4
10	Copper-catalyzed chemoselective Câ€“H functionalization of quinoxalin-2(1H)-ones with hexafluoroisopropanol. Chemical Communications, 2020, 56, 12805-12808.	2.2	21
11	Deoxygenative 1,1â€Bisâ€trifluoromethylthiolation of Aromatic Aldehydes to Access Bis(trifluoromethylthio)methylarenes. Advanced Synthesis and Catalysis, 2020, 362, 5031-5035.	2.1	8
12	Defluorosilylation of trifluoromethane: upgrading an environmentally damaging fluorocarbon. Chemical Communications, 2020, 56, 12929-12932.	2.2	8
13	Aryl gem-Difluorovinyl Pinacolboronates: Synthesis and Utility for Suzuki-Miyaura Coupling Reaction. Chemistry Letters, 2020, 49, 1439-1442.	0.7	3
14	Synthesis and Conformational Analysis of Fluorinated Uridine Analogues Provide Insight into a Neighbouring-Group Participation Mechanism. Molecules, 2020, 25, 5513.	1.7	5
15	Metal-free nucleophilic trifluoromethylselenolation via an iodide-mediated umpolung reactivity of trifluoromethylselenotoluenesulfonate. Beilstein Journal of Organic Chemistry, 2020, 16, 3032-3037.	1.3	10
16	Deoxyfluorination of acyl fluorides to trifluoromethyl compounds by FLUOLEADÂ®/Olahâ€™s reagent under solvent-free conditions. Beilstein Journal of Organic Chemistry, 2020, 16, 3052-3058.	1.3	10
17	Catalytic Enantioselective Synthesis of Difluoromethylated Tetrasubstituted Stereocenters in Isoindolones Enabled by a Multiple-Fluorine System. Organic Letters, 2020, 22, 9010-9015.	2.4	55
18	Synthesis of Chiral gem-Difluoromethylene Compounds by Enantioselective Ethoxycarbonyldifluoromethylation of MBH Fluorides via Silicon-Assisted Câ€“F Bond Activation. Journal of Organic Chemistry, 2020, 85, 15699-15707.	1.7	14

#	Article	IF	Citations
19	Diastereoselective Synthesis of Enantioenriched Trifluoromethylated Ethylenediamines and Isoindolines Containing Two Stereogenic Carbon Centers by Nucleophilic Trifluoromethylation Using HFC-23. Journal of Organic Chemistry, 2020, 85, 7976-7985.	1.7	19
20	Organometal-Free Arylation and Arylation/Trifluoroacetylation of Quinolines by Their Reaction with CF₃-ynones and Base-Induced Rearrangement. Journal of Organic Chemistry, 2020, 85, 9993-10006.	1.7	10
21	Radicalâ€Promoted Distal Câ^'H Functionalization of C(sp³) Centers with Fluorinated Moieties. Angewandte Chemie, 2021, 133, 12278-12299.	1.6	10
22	Continuous flow processing of bismuth-photocatalyzed atom transfer radical addition reactions using an oscillatory flow reactor. Green Chemistry, 2021, 23, 2685-2693.	4.6	28
23	Side-chain fluorotelomer-based polymers in children car seats. Environmental Pollution, 2021, 268, 115477.	3.7	16
24	Silverâ€Promoted Fluorination Reactions of Î±â€Bromoamides. Chemistry - A European Journal, 2021, 27, 5930-5935.	1.7	12
25	Asymmetric Synthesis of Perfluoroalkylated Î±â€Amino Acids through Generated Radicals Using a Chiral Ni(II) Complex. Helvetica Chimica Acta, 2021, 104, .	1.0	6
26	Radical coupling of arylthiodifluoroacetic acids and ethynylbenziodoxolone (EBX) reagents to access arylthiodifluoromethylated alkynes. Journal of Fluorine Chemistry, 2021, 242, 109715.	0.9	5
27	Ring-opening fluorination of cyclopropylmethanols and cycloprpanecarbardehydes with diethylaminosulfur trifluoride. Tetrahedron Letters, 2021, 64, 152655.	0.7	2
28	Transitionâ€Metal Free Catalytic Synthesis of Trifluoromethyl Indolines by [4+1] Cycloaddition of Trifluoromethyl Benzoxazinones with Sulfur Ylides. Helvetica Chimica Acta, 2021, 104, .	1.0	7
29	Copper-catalyzed radical cascade cyclization for synthesis of CF₃-containing tetracyclic benzimidazo[2,1-a]iso-quinolin-6(5H)-ones. Organic and Biomolecular Chemistry, 2021, 19, 375-378.	1.5	23
30	Radicalâ€Promoted Distal Câ^'H Functionalization of C(sp³) Centers with Fluorinated Moieties. Angewandte Chemie - International Edition, 2021, 60, 12170-12191.	7.2	70
31	Direct electrochemical hydrodefluorination of trifluoromethylketones enabled by non-protic conditions. Chemical Science, 2021, 12, 10252-10258.	3.7	32
32	Simple generation of various Î±-monofluoroalkyl radicals by organic photoredox catalysis: modular synthesis of Î²-monofluoroketones. Chemical Communications, 2021, 57, 2609-2612.	2.2	15
33	Facile preparation and conversion of 4,4,4-trifluorobut-2-yn-1-ones to aromatic and heteroaromatic compounds. Beilstein Journal of Organic Chemistry, 2021, 17, 132-138.	1.3	5
34	Diverse Synthesis of Chiral Trifluoromethylated Alkanes via Nickel- Catalyzed Asymmetric Reductive Cross-Coupling Fluoroalkylation. Chinese Journal of Organic Chemistry, 2021, 41, 2525.	0.6	0
35	Deoxygenative nucleophilic difluoromethylselenylation of carboxylic acids and alcohols with BT-SeCF₂H. Organic Chemistry Frontiers, 2021, 8, 6026-6031.	2.3	4
36	Î±,Î²-Disubstituted CF₃-Enones as a Trifluoromethyl Building Block: Regioselective Preparation of Totally Substituted 3-CF₃-Pyrazoles. Journal of Organic Chemistry, 2021, 86, 2385-2405.	1.7	22

#	Article	IF	Citations
37	1,2-Bis-perfluoroalkylations of alkenes and alkynes with perfluorocarboxylic anhydridesviathe formation of perfluoroalkylcopper intermediates. Organic and Biomolecular Chemistry, 2021, 19, 9148-9153.	1.5	6
38	Halogen-containing heteroaromatic carbenes of the 1,2,4-triazole series and their transformations. RSC Advances, 2021, 11, 30841-30848.	1.7	2
39	Stereoselective synthetic strategies of stereogenic carbon centers featuring a difluoromethyl group. Organic Chemistry Frontiers, 2021, 8, 2799-2819.	2.3	27
40	Cu-Catalyzed radical-triggered spirotricyclization of enediynes and enyne-nitriles for the synthesis of pentacyclic spiroindenes. Organic Chemistry Frontiers, 2021, 8, 1496-1502.	2.3	19
41	Dielsâ€“Alder reaction of Î²-fluoro-Î²-nitrostyrenes with cyclic dienes. Beilstein Journal of Organic Chemistry, 2021, 17, 283-292.	1.3	8
42	Nickel-catalyzed reductive monofluoroakylation of alkyl tosylate with bromofluoromethane to primary alkyl fluoride. Chemical Communications, 2021, 57, 9084-9087.	2.2	15
43	Complete deconstruction of SF₆ by an aluminium(<scp>i</scp>) compound. Chemical Communications, 2021, 57, 7096-7099.	2.2	17
44	Csp³â€“H Trifluoromethylation of Unactivated Aliphatic Systems. Organic Letters, 2021, 23, 702-705.	2.4	24
45	Atom-transfer radical addition of fluoroalkyl bromides to alkenes via a photoredox/copper catalytic system. Chemical Communications, 2021, 57, 5219-5222.	2.2	15
46	Organic reactions in aqueous media catalyzed by nickel. Green Chemistry, 2021, 23, 6273-6300.	4.6	24
47	The emergence of the Câ€“H functionalization strategy in medicinal chemistry and drug discovery. Chemical Communications, 2021, 57, 10842-10866.	2.2	52
48	Conjugated ynones in catalytic enantioselective reactions. Organic and Biomolecular Chemistry, 2021, 19, 2110-2145.	1.5	19
49	Hydrofluoromethylation of alkenes with fluoroiodomethane and beyond. Chemical Science, 2021, 12, 12149-12155.	3.7	37
50	Transition-metal difluorocarbene complexes. Chemical Communications, 2021, 57, 9316-9329.	2.2	39
51	Wonderful fusion of organofluorine chemistry and decarboxylation strategy. Chemical Society Reviews, 2021, 50, 6094-6151.	18.7	64
52	Visible light-mediated radical fluoromethylation via halogen atom transfer activation of fluoroiodomethane. Chemical Science, 2021, 12, 12812-12818.	3.7	25
53	Intercepting the Banert cascade with nucleophilic fluorine: direct access to Î±-fluorinated NH-1,2,3-triazoles. Chemical Communications, 2021, 57, 5024-5027.	2.2	3
54	Synthesis of Trifluoromethylated Dithiocarbamates via Photocatalyzed Substitution Reaction: Pentafluoropyridine as Activating Reagent. European Journal of Organic Chemistry, 2021, 2021, 1007-1010.	1.2	7

#	Article	IF	Citations
55	Highly diastereo- and enantioselective organocatalytic synthesis of trifluoromethylated erythritols based on the in situ generation of unstable trifluoroacetaldehyde. Organic and Biomolecular Chemistry, 2021, 19, 1296-1304.	1.5	1
56	Synthesis of 2-trifluoromethylated quinolines from CF₃-alkenes. Organic and Biomolecular Chemistry, 2021, 19, 4303-4319.	1.5	8
57	Achievements in fluorination using variable reagents through a deoxyfluorination reaction. Organic Chemistry Frontiers, 2021, 8, 6452-6468.	2.3	22
58	Fluorination and fluoroalkylation of alkenes/alkynes to construct fluoro-containing heterocycles. Organic Chemistry Frontiers, 2021, 8, 2079-2109.	2.3	66
59	Intermolecular trifluoromethyl-alkenylation of alkenes enabled by metal-free photoredox catalysis. Chemical Communications, 2021, 57, 5582-5585.	2.2	17
60	Synthesis of enantiopure Î±-Tfm-proline and Î±-Tfm-pipecolic acid from oxazolo-pyrrolidines and -piperidines. Organic and Biomolecular Chemistry, 2021, 19, 6771-6775.	1.5	3
61	2-Position-selective C H fluoromethylation of six-membered heteroaryl N-oxides with (fluoromethyl)triphenylphosphonium iodide. Journal of Fluorine Chemistry, 2021, 242, 109695.	0.9	11
62	Recent Advances in Synthesis of Difluoromethylene Phosphonates for Biological Applications. Advanced Synthesis and Catalysis, 2021, 363, 2912-2968.	2.1	42
63	Synthesis of trifluoromethyl ketones by nucleophilic trifluoromethylation of esters under a fluoroform/KHMDS/triglyme system. Beilstein Journal of Organic Chemistry, 2021, 17, 431-438.	1.3	11
64	Synthesis of Tetraâ€Substituted Trifluoromethylâ€3,1â€Benzoxazines by Transitionâ€Metalâ€Catalyzed Decarboxylative Cyclization of N â€Benzoyl Benzoxazinones. ChemistryOpen, 2021, 10, 518-522.	0.9	2
65	Tunable Redoxâ€Neutral Photocatalysis: Visible Lightâ€Induced Arylperfluoroalkylation of Alkenes Regulated by Protons. Asian Journal of Organic Chemistry, 2021, 10, 642-648.	1.3	13
66	Using Chlorotrifluoroethane for Trifluoroethylation of (Hetero)aryl Bromides and Chlorides via Nickel Catalysis. Organic Letters, 2021, 23, 1400-1405.	2.4	16
67	The Acidities of Nucleophilic Monofluoromethylation Reagents: Anâ€‰Anomalous Î±â€Fluorine Effect. Angewandte Chemie, 2021, 133, 9487-9492.	1.6	2
68	Synthesis of Difluoromethanesulfinate Esters by the Difluoromethanesulfinylation of Alcohols. Organic Letters, 2021, 23, 2777-2782.	2.4	3
69	Chemical Aspects of Human and Environmental Overload with Fluorine. Chemical Reviews, 2021, 121, 4678-4742.	23.0	202
70	Pentafluoroethylation of Carbonyl Compounds by HFC-125 via the Encapsulation of the K Cation with Glymes. Journal of Organic Chemistry, 2021, 86, 5883-5893.	1.7	12
71	Visible Light Photocatalytic Trifluoromethylation/SET Oxidation/Cycloaddition Sequences of 2â€Vinyl Phenols: Multicomponent Synthesis of 4Hâ€Chromenes. Asian Journal of Organic Chemistry, 2021, 10, 799-802.	1.3	8
72	Photoredox-Catalyzed Addition of Dibromofluoromethane to Alkenes: Direct Synthesis of 1-Bromo-1-fluoroalkanes. Organic Letters, 2021, 23, 2364-2369.	2.4	18

#	Article	IF	Citations
73	The Acidities of Nucleophilic Monofluoromethylation Reagents: Anâ€‰Anomalous Î±â€Fluorine Effect. Angewandte Chemie - International Edition, 2021, 60, 9401-9406.	7.2	13
74	Recent Advances in the Development of Direct Trifluoromethylselenolation Reagents and Methods. Advanced Synthesis and Catalysis, 2021, 363, 1835-1854.	2.1	43
75	Copper-catalysed direct difluoromethylselenolation of aryl boronic acids with Se-(difluoromethyl) 4-methylbenzenesulfonoselenoate. Tetrahedron Letters, 2021, 68, 152897.	0.7	7
77	Effect of Fluoroalkyl-Substituent in Bistolane-Based Photoluminescent Liquid Crystals on Their Physical Behavior. Crystals, 2021, 11, 450.	1.0	4
78	Ligand-Enabled, Iridium-Catalyzed ortho-Borylation of Fluoroarenes. ACS Catalysis, 2021, 11, 5968-5973.	5.5	15
79	Diastereoselectivity of the Addition of Propargylic Magnesium Reagents to Fluorinated Aromatic Sulfinyl Imines. Organic Letters, 2021, 23, 3691-3695.	2.4	4
80	Ironâ€Catalyzed Fluoroalkylation of Arylborates with Sulfone Reagents: Beyond the Limitation of Reduction Potential. Angewandte Chemie - International Edition, 2021, 60, 13597-13602.	7.2	19
81	4â€Nitroanisole Facilitates Proton Reduction: Visible Lightâ€Induced Oxidative Aryltrifluoromethylation of Alkenes with Hydrogen Evolution. ChemCatChem, 2021, 13, 2952-2958.	1.8	18
82	Hydrogen Bond Acceptor Propensity of Different Fluorine Atom Types: An Analysis of Experimentally and Computationally Derived Parameters. Chemistry - A European Journal, 2021, 27, 8764-8773.	1.7	18
83	Superfast synthesis, antibacterial and antifungal studies of halo-aryl and heterocyclic tagged 2,3-dihydro-1H-inden-1-one candidates. Monatshefte FÃ¼r Chemie, 2021, 152, 649-658.	0.9	14
84	Diversity-Oriented Synthesis of Highly Functionalized Alicycles across Dipolar Cycloaddition/Metathesis Reaction. Synlett, 2021, 32, 1911-1933.	1.0	5
85	Novel multi-functionalized fluorine-containing organometallics: Preparation and applications of tetrafluoroethylenated zinc reagent. Journal of Fluorine Chemistry, 2021, 245, 109781.	0.9	2
86	Synthesis and application of trifluoromethylpyridines as a key structural motif in active agrochemical and pharmaceutical ingredients. Journal of Pesticide Sciences, 2021, 46, 125-142.	0.8	23
87	Ironâ€Catalyzed Fluoroalkylation of Arylborates with Sulfone Reagents: Beyond the Limitation of Reduction Potential. Angewandte Chemie, 2021, 133, 13709-13714.	1.6	3
88	Fluorine-containing pharmaceuticals approved by the FDA in 2020: Synthesis and biological activity. Chinese Chemical Letters, 2021, 32, 3342-3354.	4.8	79
89	Synthesis of Alkyl Fluorides by Silverâ€Catalyzed Radical Decarboxylative Fluorination of Cesium Oxalates. European Journal of Organic Chemistry, 2021, 2021, 2421-2430.	1.2	12
90	Electrochemical Synthesis of Fluorinated Ketones from Enol Acetates and Sodium Perfluoroalkyl Sulfinates. Organic Letters, 2021, 23, 5107-5112.	2.4	25
91	Transition Metalâ€Free Regioselective Remote Câ^'H Bond 2,2,2â€Trifluoroethoxylation of 8â€Aminoquinoline Derivatives at the C5 Position. European Journal of Organic Chemistry, 2021, 2021, 3407-3410.	1.2	6

#	Article	IF	Citations
92	Iron-Catalyzed, Site-Selective Difluoromethylthiolation (â˜'SCF₂H) and Difluoromethylselenation (â˜'SeCF₂H) of Unactivated C(sp³)â€"H Bonds in N-Fluoroamides. Organic Letters, 2021, 23, 4721-4725.	2.4	27
93	Investigating the Role of Weak Interactions to Explore the Polymorphic Diversity in Difluorinated Isomeric N-Phenylcinnamamides. Crystal Growth and Design, 2021, 21, 4162-4177.	1.4	7
94	Catalyst-free carbosilylation of alkenes using silyl boronates and organic fluorides via selective C-F bond activation. Nature Communications, 2021, 12, 3749.	5.8	27
95	Asymmetric Synthesis of Î±â€Difluorinated Î²â€Amino Sulfones through Detrifluoroacetylative Mannich Reactions. European Journal of Organic Chemistry, 2021, 2021, 3035-3038.	1.2	6
96	Pentafluoroethylation of Carbonyl Compounds Using HFC-125 in a Flow Microreactor System. Journal of Organic Chemistry, 2021, 86, 14044-14053.	1.7	7
97	Recent Developments in Enantioselective Organocatalytic Cascade Reactions for the Construction of Halogenated Ring Systems. European Journal of Organic Chemistry, 2021, 2021, 3938-3969.	1.2	18
98	Synthesis of 3-Amino-5-fluoroalkylfurans by Intramolecular Cyclization. Organic Letters, 2021, 23, 4915-4919.	2.4	9
99	Applications of fluorine to the construction of bioisosteric elements for the purposes of novel drug discovery. Expert Opinion on Drug Discovery, 2021, 16, 1261-1286.	2.5	32
100	Synthesis and Photochemical Application of Hydrofluoroolefin (HFO) Based Fluoroalkyl Building Block. Organic Letters, 2021, 23, 4925-4929.	2.4	12
101	Radical Addition of SF₅Cl to Cyclopropenes: Synthesis of (Pentafluorosulfanyl)cyclopropanes. Organic Letters, 2021, 23, 5491-5495.	2.4	19
102	3D Printed Reactionware for Synthetic Electrochemistry with Hydrogen Fluoride Reagents. ChemElectroChem, 2021, 8, 2070-2074.	1.7	8
103	Ironâ€Catalyzed Halogen Exchange of Trifluoromethyl Arenes**. Chemistry - A European Journal, 2021, 27, 10839-10843.	1.7	7
104	Benchâ€Stable Electrophilic Fluorinating Reagents for Highly Selective Monoâ€and Difluorination of Silyl Enol Ethers. Chemistry - A European Journal, 2021, 27, 11919-11925.	1.7	9
105	Lightening Diazo Compounds?. ACS Sustainable Chemistry and Engineering, 2021, 9, 8895-8918.	3.2	124
106	Electrochemical Fluorination of (Arylthio)methyl Carboxylates and Î³-Phenylthio-Î³-butyrolactone Derivative. Journal of the Electrochemical Society, 2021, 168, 065502.	1.3	2
107	Electrochemical Installation of CFH₂â˜, CF₂Hâ˜, CF₃â˜, and Perfluoroalkyl Groups into Small Organic Molecules. Chemical Record, 2021, 21, 2502-2525.	2.9	35
108	Fast 19F Magic Angle Spinning NMR Crystallography for Structural Characterization of Fluorine-Containing Pharmaceutical Compounds. Analytical Chemistry, 2021, 93, 8210-8218.	3.2	9
109	Alkali Metal Fluorides in Fluorinated Alcohols: Fundamental Properties and Applications to Electrochemical Fluorination. Journal of Organic Chemistry, 2021, 86, 16128-16133.	1.7	16

#	Article	IF	Citations
110	Synthesis, characterization, and selfâ€assembly of fluorescent fluorineâ€containing liquid crystals. Luminescence, 2021, 36, 1751-1760.	1.5	11
111	Radical Câ^'H Trifluoromethoxylation of (Hetero)arenes with Bis(trifluoromethyl)peroxide. Chemistry - A European Journal, 2021, 27, 11554-11558.	1.7	21
112	Development of N-F fluorinating agents and their fluorinations: Historical perspective. Beilstein Journal of Organic Chemistry, 2021, 17, 1752-1813.	1.3	40
113	Catalytic stereoselective Mannich-type reactions for construction of fluorinated compounds. Molecular Diversity, 2021, , 1.	2.1	0
114	Effects of Replacing Oxygenated Functionality with Fluorine on Lipophilicity. Journal of Medicinal Chemistry, 2021, 64, 10246-10259.	2.9	35
115	Aromatic Trifluoromethylselenolation via Pdâ€catalyzed Câ^'H functionalization. Chemistry - A European Journal, 2021, 27, 12910-12916.	1.7	11
116	Modular Construction of Functionalized 2-CF₃-Indoles. Organic Letters, 2021, 23, 5973-5977.	2.4	7
117	Contemporary synthetic strategies in organofluorine chemistry. Nature Reviews Methods Primers, 2021, 1, .	11.8	134
118	Radical Functionalization of Geminal Difluoroalkenes. Russian Journal of Organic Chemistry, 2021, 57, 1017-1035.	0.3	3
119	Acidâ€Base and Anion Binding Properties of Tetrafluorinated 1,3â€Benzodiazole, 1,2,3â€Benzotriazole and 2,1,3â€Benzoselenadiazole. ChemPhysChem, 2021, 22, 2329-2335.	1.0	3
120	Revisiting the Balzâ€"Schiemann Reaction of Aryldiazonium Tetrafluoroborate in Different Solvents under Catalyst- and Additive-Free Conditions. ACS Omega, 2021, 6, 21595-21603.	1.6	8
121	Studies on the biological activity of gem-difluorinated 3,3â€²-spirocyclic indole derivatives. Chinese Chemical Letters, 2022, 33, 859-862.	4.8	14
122	Transition-Metal-Free Synthesis of Aryl Trifluoromethyl Thioethers through Indirect Trifluoromethylthiolation of Sodium Arylsulfinate with TMSCF₃. Organic Letters, 2021, 23, 6982-6986.	2.4	5
123	An Efficient Synthesis of 2-CF3-3-Benzylindoles. Molecules, 2021, 26, 5084.	1.7	2
124	Synthesis of Difluoroalkylated Heteroarenes via Difluorocarbene. Organic Letters, 2021, 23, 6977-6981.	2.4	19
125	Synthesis of Lâ€"Au(I)â€"CF2H Complexes and Their Application as Transmetalation Shuttles to the Difluoromethylation of Aryl Iodides. Organometallics, 2021, 40, 2923-2928.	1.1	2
126	Sustainable Cascades to Difluoroalkylated Polycyclic Imidazoles. European Journal of Organic Chemistry, 2021, 2021, 4485-4489.	1.2	11
127	The Reactivity of Î±â€Fluoroketones with PLP Dependent Enzymes: Transaminases as Hydrodefluorinases. ChemCatChem, 2021, 13, 3967-3972.	1.8	1

#	Article	IF	Citations
128	Organofluorine Mass Balance Analysis of Whole Blood Samples in Relation to Gender and Age. Environmental Science & Technology, 2021, 55, 13142-13151.	4.6	14
129	Combinatorial pathway balancing provides biosynthetic access to 2-fluoro-cis,cis-muconate in engineered Pseudomonas putida. Chem Catalysis, 2021, 1, 1234-1259.	2.9	19
130	Selective Trifluoromethylthiolation of Unactivated C(sp 3)â˜H Bonds Enabled by Excited Ketones. Asian Journal of Organic Chemistry, 2021, 10, 2566.	1.3	5
131	Fast ¹⁹F Magic-Angle Spinning Nuclear Magnetic Resonance for the Structural Characterization of Active Pharmaceutical Ingredients in Blockbuster Drugs. Analytical Chemistry, 2021, 93, 13029-13037.	3.2	18
132	Diethylaminosulfur Trifluoride (DAST) Mediated Transformations Leading to Valuable Building Blocks and Bioactive Compounds. European Journal of Organic Chemistry, 2021, 2021, 5585-5604.	1.2	13
133	Nucleophilic and Radical Heptafluoroisopropoxylation with Redoxâ€Active Reagents. Angewandte Chemie - International Edition, 2021, 60, 22915-22924.	7.2	18
134	Trifluoromethylselenolation reactions using the versatile [Me4N][SeCF3] reagent. Tetrahedron, 2021, 99, 132476.	1.0	18
135	Rhizopus arrhizus mediated SAR studies in chemoselective biotransformation of haloketones at ambient temperature. Biocatalysis and Biotransformation, 0, , 1-7.	1.1	0
136	Nucleophilic and Radical Heptafluoroisopropoxylation with Redoxâ€Active Reagents. Angewandte Chemie, 2021, 133, 23097-23106.	1.6	5
137	Study of a Stable â€œTrifluoromethoxide Anion Solutionâ€•Arising from 2,4â€Dinitroâ€Trifluoromethoxybenzene. Chemistry - A European Journal, 2021, 27, 15986-15991.	1.7	10
138	Photocatalysis in the Life Science Industry. Chemical Reviews, 2022, 122, 2907-2980.	23.0	183
139	Radical Î±-Trifluoromethoxylation of Ketones under Batch and Flow Conditions by Means of Organic Photoredox Catalysis. Organic Letters, 2021, 23, 7088-7093.	2.4	28
140	Vicinal Trifluoromethylthioamination of Alkenes with Trifluoromethanesulfenamides. Asian Journal of Organic Chemistry, 2021, 10, 2562.	1.3	2
141	Synthesis of Moritaâ€“Baylisâ€“Hillman-fluorides using 1,1,2,2-tetrafluoroethyl-N,N-dimethylamine. Tetrahedron, 2021, 97, 132387.	1.0	3
142	Recent synthetic methods towards the â€“OCHF2 moiety. Tetrahedron, 2021, 99, 132458.	1.0	9
143	Î²-Hairpin Peptide Mimics Decrease Human Islet Amyloid Polypeptide (hIAPP) Aggregation. Frontiers in Cell and Developmental Biology, 2021, 9, 729001.	1.8	6
144	Dearomative enantio- and diastereoselective difluorination of resorcinol derivatives. Tetrahedron, 2021, 96, 132355.	1.0	7
145	Î²-Fluorinated Paraconic Acid Derivatives: Synthesis and Fluorine Stereoelectronic Effects. Journal of Fluorine Chemistry, 2021, 249, 109860.	0.9	0

#	Article	IF	Citations
146	Radical Trifluoroacetylation of Alkenes Triggered by a Visibleâ€Lightâ€Promoted Câ€“O Bond Fragmentation of Trifluoroacetic Anhydride. Angewandte Chemie, 2021, 133, 22661-22669.	1.6	4
147	Synthesis, Reactivity and Activation Modes of Fluoroalkyl Thiosulfonates and Selenosulfonates. European Journal of Organic Chemistry, 2021, 2021, 5571-5584.	1.2	16
148	Stereoselective Direct Nâ€Trifluoropropenylation of Heterocycles with a Hypervalent Iodonium Reagent. Chemistry - A European Journal, 2021, 27, 15638-15643.	1.7	4
149	Radical Trifluoroacetylation of Alkenes Triggered by a Visibleâ€Lightâ€Promoted Câ€“O Bond Fragmentation of Trifluoroacetic Anhydride. Angewandte Chemie - International Edition, 2021, 60, 22487-22495.	7.2	29
150	Computational studies reveal Fluorine based quinolines to be potent inhibitors for proteins involved in SARS-CoV-2 assembly. Journal of Fluorine Chemistry, 2021, 250, 109865.	0.9	3
151	Reaction of (bromodifluoromethyl)trimethylsilane with HMPA: Structural studies. Journal of Fluorine Chemistry, 2021, 250, 109881.	0.9	1
152	Synthesis of a library of SCF2CO2Et reagents: An access to original (ethoxycarbonyl)difluoromethylthioesters. Tetrahedron, 2021, 98, 132446.	1.0	4
153	Design and development of trifluoromethylated enaminone derivatives as potential anticonvulsants. Journal of Fluorine Chemistry, 2021, 251, 109886.	0.9	6
154	Efficient protocol for the SO2F2-mediated deoxyfluorination of aliphatic alcohols. Journal of Fluorine Chemistry, 2021, 251, 109888.	0.9	7
155	Sono-photo hybrid process for the synergistic degradation of levofloxacin by FeVO4/BiVO4: Mechanisms and kinetics. Environmental Research, 2022, 204, 112032.	3.7	46
156	Z-Selective Pd-catalyzed 2,2,2-trifluoroethylation of acrylamides at room temperature. Chemical Communications, 2021, 57, 6241-6244.	2.2	19
157	Hydrofluorination of Alkenes: A Review. Chemistry - an Asian Journal, 2021, 16, 563-574.	1.7	21
158	Electrochemical reduction of fluoroalkyl sulfones for radical fluoroalkylation of alkenes. Chemical Communications, 2021, 57, 8750-8753.	2.2	33
159	Trifluoromethylselenolation and N-acylation of indoles with [Me₄N][SeCF₃]. Organic and Biomolecular Chemistry, 2021, 19, 5368-5376.	1.5	13
160	Acyl Fluorides from Carboxylic Acids, Aldehydes, or Alcohols under Oxidative Fluorination. Organic Letters, 2021, 23, 847-852.	2.4	33
161	State of the art of radiochemistry for 11C and 18F PET tracers. , 2021, , .		0
162	Recent Advances in the Integrated Microflow Synthesis of Organofluorine Compounds. , 2021, , 331-357.		1
163	Hydrogenation of fluorinated molecules: an overview. Chemical Society Reviews, 2021, 50, 8178-8192.	18.7	32

#	Article	IF	Citations
164	Iron catalyzed Î²-C(sp²)â€“H alkylation of enamides. New Journal of Chemistry, 2021, 45, 17475-17482.	1.4	10
165	Recent advances in intermolecular 1,2-difunctionalization of alkenes involving trifluoromethylthiolation. RSC Advances, 2021, 11, 24474-24486.	1.7	18
166	Photoredox-catalyzed 2,2,2-trifluoroethylation and 2,2-difluoroethylation of alkenes with concomitant introduction of a quinoxalin-2(1H)-one moiety. Organic Chemistry Frontiers, 2021, 8, 6597-6602.	2.3	23
167	Insufficient evidence for the existence of natural trifluoroacetic acid. Environmental Sciences: Processes and Impacts, 2021, 23, 1641-1649.	1.7	34
168	Expedient Trifluoromethylacylation of Styrenes Enabled by Photoredox Catalysis. Chinese Journal of Chemistry, 2022, 40, 59-64.	2.6	13
169	Visible-Light-Promoted Radical Cyclization of N-Arylvinylsulfonamides: Synthesis of CF3/CHF2/CH2CF3-Containing 1,3-Dihydrobenzo[c]isothiazole 2,2-Dioxide Derivatives. Synthesis, 0, , .	1.2	6
170	Difluorocarbeneâ€Induced Ringâ€Opening Difluoromethylationâ€Halogenation of Cyclic (Thio)Ethers with TMSCF₂X (X=Br, Cl)**. Chemistry - A European Journal, 2021, 27, 17773-17779.	1.7	15
171	Fe-mediated nucleophilic trifluoromethylselenolation of activated alkyl bromides via umpolung reactivity of trifluoromethyl tolueneselenosulfinate. Tetrahedron, 2021, 100, 132498.	1.0	3
172	Bio-evaluation of fluoro and trifluoromethyl-substituted salicylanilides against multidrug-resistant S. aureus. Medicinal Chemistry Research, 2021, 30, 2301-2315.	1.1	10
173	Electrophilic Fluorination of Alkenes via Boraâ€Wagnerâ€Meerwein Rearrangement. Access to Î²â€Difluoroalkyl Boronates. Angewandte Chemie, 2021, 133, 26531.	1.6	4
174	Asymmetric Methods for Carbonâ€Fluorine Bond Formation. European Journal of Organic Chemistry, 2021, 2021, 5946-5974.	1.2	14
175	Activation of tetrahydrofuran with 2-((Fluoroalkyl)thio)Benzothiazolium reagents. Tetrahedron, 2021, 101, 132512.	1.0	2
176	Silylboronate-Mediated Defluorosilylation of Aryl Fluorides with or without Ni-Catalyst. Frontiers in Chemistry, 2021, 9, 771473.	1.8	7
177	(1S)-(â^')-N-Monofluoromethylthio-7,7-dichloro-2,10-camphorsultam: An optically pure reagentfor asymmetric monofluoromethylthiolation. Tetrahedron, 2021, 101, 132508.	1.0	5
178	Electrophilic Fluorination of Alkenes via Boraâ€Wagnerâ€“Meerwein Rearrangement. Access to Î²â€Difluoroalkyl Boronates. Angewandte Chemie - International Edition, 2021, 60, 26327-26331.	7.2	31
179	Synthesis of New Valinolâ€Derived Sultam Triazoles as Î±â€Glucosidase Inhibitors. ChemistrySelect, 2021, 6, 9780-9786.	0.7	6
180	Copper-Catalyzed Direct Cycloaddition of Imidazoles and Alkenes to Trifluoromethylated Tricyclic Imidazoles. Journal of Organic Chemistry, 2021, 86, 15768-15776.	1.7	14
181	From Angstroms to Nanometers: Measuring Interatomic Distances by Solid-State NMR. Chemical Reviews, 2022, 122, 9848-9879.	23.0	29

#	Article	IF	Citations
182	The Directing Group: A Tool for Efficient and Selective Câ€“F Bond Activation. ACS Catalysis, 2021, 11, 12915-12930.	5.5	35
183	The synthesis of perfluoroalkylated indolizines via tandem cyclization/aromatization. Journal of Fluorine Chemistry, 2021, 251, 109900.	0.9	3
184	Fluorination Triggers Fluoroalkylation: Nucleophilic Perfluoroâ€tertâ€butylation with 1,1â€Dibromoâ€2,2â€bis(trifluoromethyl)ethylene (DBBF) and CsF. Angewandte Chemie - International Edition, 2021, 60, 27318-27323.	7.2	8
185	Fluorination Triggers Fluoroalkylation: Nucleophilic Perfluoroâ€tertâ€butylation with DBBF and CsF. Angewandte Chemie, 2021, 133, 27524.	1.6	3
186	Synthesis of Symmetrical Thiosulfonates via Cu(OTf)₂â€Catalyzed Reductive Homocoupling of Arenesulfonyl Chlorides. European Journal of Organic Chemistry, 2021, 2021, 5880-5883.	1.2	9
187	Câ€“H Electrophilic (phenylsulfonyl)difluoromethylation of (hetero)arenes with a newly designed reagent. Chemical Communications, 2021, 57, 12337-12340.	2.2	5
188	One-pot synthesis of Î±-trifluoromethylstyrenes from aryl ketones and the Ruppertâ€“Prakash reagent. Mendeleev Communications, 2021, 31, 684-685.	0.6	4
189	Gold Nâ€Heterocyclic Carbene Catalysts for the Hydrofluorination of Alkynes Using Hydrofluoric Acid: Reaction Scope, Mechanistic Studies and the Tracking of Elusive Intermediates. Chemistry - A European Journal, 2022, 28, .	1.7	19
190	Nickelâ€Catalyzed Aminofluoroalkylation of Alkenes: Access to Difluoroalkylated Nâ€Containing Heterocyclic Compounds. European Journal of Organic Chemistry, 0, , .	1.2	3
191	Efficient enantioselective synthesis of CF₂H-containing dispiro[benzo[b]thiophene-oxindole-pyrrolidine]s via organocatalytic cycloaddition. Organic Chemistry Frontiers, 2021, 9, 210-215.	2.3	11
192	Trifluorodiazoethane: A versatile building block to access trifluoromethylated heterocycles. Journal of Heterocyclic Chemistry, 2022, 59, 607-632.	1.4	22
193	Recent Advances on the Halo- and Cyano-Trifluoromethylation of Alkenes and Alkynes. Molecules, 2021, 26, 7221.	1.7	13
194	Intramolecular Alkene Fluoroarylation of Phenolic Ethers Enabled by Electrochemically Generated Iodane. Journal of Organic Chemistry, 2021, 86, 16095-16103.	1.7	12
195	Visible-Light-Promoted Hydroxydifluoroalkylation of Alkenes Enabled by Electron Donorâ€“Acceptor Complex. Organic Letters, 2021, 23, 9474-9479.	2.4	16
196	Synthesis and physicochemical studies of double fluorinated hydrogen-bonded liquid crystals (n-OBAFF). Journal of Molecular Liquids, 2022, 349, 118201.	2.3	4
197	Palladiumâ€catalyzed difluoromethylation and difluoroalkylation reactions: An overview. Applied Organometallic Chemistry, 2022, 36, e6503.	1.7	5
198	On the Unexpected Accuracy of the M06L Functional in the Calculation of ¹J_{FC} Spinâ€“Spin Coupling Constants. Journal of Chemical Theory and Computation, 2021, 17, 7712-7723.	2.3	10
199	Construction of poly-N-heterocyclic scaffolds via the controlled reactivity of Cu-allenylidene intermediates. Communications Chemistry, 2021, 4, .	2.0	5

#	Article	IF	Citations
200	Synthesis and Anticancer Activity of Pentafluorobenzenesulfonamide Derivatives as Caspaseâ€Dependent Apoptosisâ€Inducing Agents. ChemMedChem, 2022, 17, .	1.6	2
201	On the Question of Zwitterionic Intermediates in the [3 + 2] Cycloaddition Reactions between C-arylnitrones and Perfluoro 2-Methylpent-2-ene. Molecules, 2021, 26, 7147.	1.7	6
202	Cobaltâ€“Tertiary Amine Mediated Peroxy-trifluoromethylation and -halodifluoromethylation of Alkenes with CF2XBr (X = F, Cl, Br) and tert-Butyl Hydroperoxide. Synthesis, 2022, 54, 2193-2204.	1.2	2
203	Starting from Styrene: A Unified Protocol for Hydrotrifluoromethylation of Diversified Alkenes. Organic Letters, 2021, 23, 9277-9282.	2.4	32
204	Dual Fe/Pdâ€Catalyzed Reductive Crossâ€coupling: Constructing gemâ€Difluoroallylenes with Alkenyl Bromides and Bromodifluoromethanes. European Journal of Organic Chemistry, 2021, 2021, 6700.	1.2	2
205	Design, Synthesis, Biological Evaluation, and Computational Studies of Novel Fluorinated Candidates as PI3K Inhibitors: Targeting Fluorophilic Binding Sites. Journal of Medicinal Chemistry, 2021, 64, 17468-17485.	2.9	6
206	Nucleophilic Substitution of Selenosulfonates with Me₃SiCF₂Br: Facile and Efficient Access to Bromodifluoromethylated Selenides under Metal-Free Conditions. Journal of Organic Chemistry, 2021, 86, 18081-18093.	1.7	5
207	Scalable Synthesis of (R,R)-N,N-Dibenzyl-2-fluorocyclohexan-1-amine with CsF under Hydrogen Bonding Phase-Transfer Catalysis. Organic Process Research and Development, 2021, 25, 2730-2737.	1.3	7
208	Electrochemical O-trifluoromethylation of electron-deficient phenols. Electrochemistry Communications, 2021, 133, 107165.	2.3	2
209	Synthesis of 1â€Trifluoromethylated Propargyl Alcohols by Two Successive Reactions of Cyclopentylmagnesium Bromide in a Oneâ€Pot Manner. Asian Journal of Organic Chemistry, 2022, 11, e202100700.	1.3	4
210	Synthesis of oxindoles bearing a stereogenic 3-fluorinated carbon center from 3-fluorooxindoles. Organic and Biomolecular Chemistry, 2022, 20, 538-552.	1.5	11
211	Nucleophilic reactions of ethyl (Z)-2â€bromo-4,4,4-trifluorobut-2-enoate: One molecule â€“ various heterocycles. Journal of Fluorine Chemistry, 2022, 254, 109946.	0.9	3
212	Stereoselective synthesis and investigation of mechanism of trifluoromethylated cyclopropylphosphonate. Journal of Fluorine Chemistry, 2022, 254, 109934.	0.9	1
213	Advances in the Development of Trifluoromethoxylation Reagents. Symmetry, 2021, 13, 2380.	1.1	14
214	Stereoelectronic interactions: A booster for ⁴J_{HF} transmission. Magnetic Resonance in Chemistry, 2022, 60, 481-488.	1.1	1
215	Design and Reaction of Nucleophilic and Radical Heptafluoroisopropoxylation Reagents. Chinese Journal of Organic Chemistry, 2022, 42, 305.	0.6	3
216	Ring-opening fluorination of bicyclic azaarenes. Chemical Science, 2022, 13, 665-670.	3.7	9
217	Photoredox catalyzed Câ€“H trifluoroethylamination of heteroarenes. Chemical Communications, 2022, 58, 1346-1349.	2.2	10

#	Article	IF	Citations
218	Sâ€(Trifluoromethyl)Benzothioate (TFBT): A KFâ€Based Reagent for Nucleophilic Trifluoromethylthiolation. Chemistry - A European Journal, 2022, 28, .	1.7	9
219	The maiden comprehensive report on emerging trend towards metal free synthesis of biologically potent 2H-Chromenes. Tetrahedron, 2022, 106-107, 132628.	1.0	5
220	Recent advances in transition-metal catalyzed directed Câ€“H functionalization with fluorinated building blocks. Organic Chemistry Frontiers, 2022, 9, 1742-1775.	2.3	23
221	Facile Preparation of Fluoroalkyl End-Capped Vinyltrimethoxysilane Oligomer/Sand Composites Possessing Superoleophilic/Superhydrophobic Characteristic: Application to Oil/Water Separation and Selective Removal of Fluorinated Aromatic Compounds from Aqueous Methanol Solution. Open Journal of Composite Materials, 2022, 12, 56-71.	0.4	0
222	Electrophilic (Ethoxycarbonyl)difluoromethylthiolation Using Difluoroalkyl Sulfonium Salts. Synlett, 0, 33, .	1.0	3
223	K2S2O8-promoted radical trifluoromethylthiolation/spirocyclization for the synthesis of SCF3â€featured spiro[5,5]trienones. Tetrahedron, 2022, 106-107, 132649.	1.0	15
224	Extractable organofluorine analysis: A way to screen for elevated per- and polyfluoroalkyl substance contamination in humans?. Environment International, 2022, 159, 107035.	4.8	9
225	A Convenient Synthesis of Fluoroalkylated Benzimidazoleâ€•or Indoleâ€fused Benzoxazines. European Journal of Organic Chemistry, 2022, 2022, .	1.2	3
226	Recent advances in the synthesis of fluoroalkylated compounds using fluoroalkyl anhydrides. Chinese Chemical Letters, 2022, 33, 4517-4530.	4.8	19
227	Oligomerization engineering of the fluorinase enzyme leads to an active trimer that supports synthesis of fluorometabolites inÂvitro. Microbial Biotechnology, 2022, 15, 1622-1632.	2.0	7
228	General Synthesis of N-Trifluoromethyl Compounds with N-Trifluoromethyl Hydroxylamine Reagents. Journal of the American Chemical Society, 2022, 144, 1962-1970.	6.6	34
229	Headgroup-Specific Interaction of Biological Lipid Monolayer/Water Interface with Perfluorinated Persistent Organic Pollutant (f-POP): As Observed with Interface-Selective Vibrational Spectroscopy. Journal of Physical Chemistry B, 2022, 126, 563-571.	1.2	5
231	Regiospecific C₂â€Difluoroalkylation on Chromone via Transitionâ€Metalâ€free Oxidative Decarboxylation of Aryldifluoroacetic acids. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	4
232	Renewable Electricity Enables Green Routes to Fine Chemicals and Pharmaceuticals. Chemical Record, 2022, 22, e202100296.	2.9	9
233	Practical Guidelines for the Safe Use of Fluorine Gas Employing Continuous Flow Technology. Journal of Chemical Health and Safety, 2022, 29, 165-174.	1.1	12
234	A general method for one-step synthesis of monofluoroiodane(III) reagents using silver difluoride. Chinese Chemical Letters, 2022, 33, 4834-4837.	4.8	2
235	Pd/Cu bimetallic catalysis to access highly fluorinated biaryls from aryl halides and fluorinated arenes. Chemical Communications, 2022, 58, 3146-3149.	2.2	3
236	Effect of gemâ€Difluorination on the Key Physicochemical Properties Relevant to Medicinal Chemistry: The Case of Functionalized Cycloalkanes. Chemistry - A European Journal, 2022, 28, .	1.7	38

#	Article	IF	Citations
237	Fluorination and Betaine Modification Augment the Bloodâ€“Brain Barrierâ€Crossing Ability of Cylindrical Polymer Brushes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	10
238	Per- and polyfluoroalkyl substances in the environment. Science, 2022, 375, eabg9065.	6.0	396
239	Fluorination and Betaine Modification Augment the Bloodâ€Brain Barrierâ€Crossing Ability of Cylindrical Polymer Brushes. Angewandte Chemie, 0, , .	1.6	0
240	TBAF-initiated vinylation of aldehydes with trimethyl[(Z)-2-(phenylsulfanyl)-1-(trifluoromethyl)vinyl]silane. Journal of Fluorine Chemistry, 2022, 255-256, 109959.	0.9	0
241	The pH dependence and role of fluorinated substituent of enoxacin binding to ferrihydrite. Science of the Total Environment, 2022, 823, 153707.	3.9	8
242	Decatungstate Catalyzed Synthesis of Trifluoromethylthioesters from Aldehydes via a Radical Process. Journal of Organic Chemistry, 2022, 87, 765-775.	1.7	21
243	New ¹⁹F NMR methodology reveals structures of molecules in complex mixtures of fluorinated compounds. Chemical Science, 2022, 13, 3766-3774.	3.7	8
244	Catalytic alkene skeletal modification for the construction of fluorinated tertiary stereocenters. Chemical Science, 2022, 13, 4327-4333.	3.7	14
245	¹⁹F-centred NMR analysis of mono-fluorinated compounds. RSC Advances, 2022, 12, 10062-10070.	1.7	2
246	Fluorobenzoic acid coformers to improve the solubility and permeability of the BCS class IV drug naftopidil. Chemical Communications, 2022, 58, 5582-5585.	2.2	15
247	SHARPER-enhanced benchtop NMR: improving SNR by removing couplings and approaching natural linewidths. Chemical Communications, 2022, , .	2.2	5
248	(Fluoro)alkylation of alkenes promoted by photolysis of alkylzirconocenes. Chemical Science, 2022, 13, 3454-3460.	3.7	15
249	Elemental detection of fluorochemicals by nanospray-induced chemical ionization in afterglow of an inductively coupled plasma. Journal of Analytical Atomic Spectrometry, 2022, 37, 870-882.	1.6	9
250	3-Trifluoroacetyl-quinolin-2(1H)-ones as Carbonyl and Acid Surrogates in the Passerini-/Ugi-Type Reaction. Journal of Organic Chemistry, 2022, 87, 2301-2314.	1.7	3
251	Enantioselective Copper-Catalyzed Intermolecular Cyanobenzoyldifluoromethylation of Alkenes: Access to Chiral Î²-Difluoroacyl Nitriles. Journal of Organic Chemistry, 2022, 87, 4107-4111.	1.7	9
252	Tracking Fluorine during Aqueous Photolysis and Advanced UV Treatment of Fluorinated Phenols and Pharmaceuticals Using a Combined ¹⁹F-NMR, Chromatography, and Mass Spectrometry Approach. ACS Environmental Au, 2022, 2, 242-252.	3.3	9
253	Electrophilic Fluorination of Heterocyclic Compounds with NF Reagents in Unconventional Media. Chemistry of Heterocyclic Compounds, 2022, 58, 84-96.	0.6	5
254	Synthesis of an Eccentric Electron-Deficient Fluorinated Motif, Tetrafluoro-Î»⁶-sulfanyl gem-Difluorocyclopropenes. Organic Letters, 2022, 24, 1722-1726.	2.4	19

#	Article	IF	Citations
255	Perfluoropyridine: Discovery, Chemistry, and Applications in Polymers and Material Science. Molecules, 2022, 27, 1616.	1.7	10
256	Coâ€“Mabiq Flies Solo: Light-Driven Markovnikov-Selective C- and N-Alkylation of Indoles and Indazoles without a Cocatalyst. Journal of the American Chemical Society, 2022, 144, 2994-3004.	6.6	15
257	Hydrogen Bonding Phase-Transfer Catalysis with Alkali Metal Fluorides and Beyond. Journal of the American Chemical Society, 2022, 144, 5200-5213.	6.6	28
258	Diversity-Oriented Synthesis Catalyzed by Diethylaminosulfur-Trifluorideâ€”Preparation of New Antitumor Ecdysteroid Derivatives. International Journal of Molecular Sciences, 2022, 23, 3447.	1.8	0
259	Enantioâ€• Diastereoâ€•and Regioselective Synthesis of Chiral Cyclic and Acyclic gemâ€Difluoromethylenes by Palladiumâ€Catalyzed [4+2] Cycloaddition. Angewandte Chemie, 2022, 134, .	1.6	2
260	Fluorinated Nucleosides: Synthesis, Modulation in Conformation and Therapeutic Application. Chemical Record, 2022, 22, e202100335.	2.9	17
261	New Halogen-Containing Drugs Approved by FDA in 2021: An Overview on Their Syntheses and Pharmaceutical Use. Molecules, 2022, 27, 1643.	1.7	48
262	Nickel-catalyzed alkyl-arylation of 3,3,3-trifluoropropene. Communications Chemistry, 2022, 5, .	2.0	3
264	Enantioâ€• Diastereoâ€•and Regioselective Synthesis of Chiral Cyclic and Acyclic gemâ€Difluoromethylenes by Palladiumâ€Catalyzed [4+2] Cycloaddition. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
265	Ligands with polyfluorophenyl moieties promote a local structural rearrangement in the Spinach2 and Broccoli aptamers that increases ligand affinities. Rna, 2022, 28, 865-877.	1.6	1
266	Selective 1H-13C heteronuclear multiple quantum coherence experiments for 1H-13C pairs near 19F. Journal of Fluorine Chemistry, 2022, 255-256, 109968.	0.9	0
267	Developments in the Alkynyltrifluoromethylations of Alkenes and Alkynes. Synthesis, 2022, 54, 3753-3760.	1.2	7
268	Coupling of Heteroaryl Halides with Chlorodifluoroacetamides and Chlorodifluoroacetate by Nickel Catalysis. Chemistry - A European Journal, 2022, 28, .	1.7	5
269	Catalytic Diastereo- and Enantioselective Synthesis of Tertiary Trifluoromethyl Carbinols through a Vinylogous Aldol Reaction of Alkylidenepyrazolones with Trifluoromethyl Ketones. Journal of Organic Chemistry, 2022, 87, 4538-4549.	1.7	4
270	Synthesis of Trifluoromethylated 4Hâ€1â€Benzopyran Derivatives via Photocatalytic Trifluoromethylation/Oxidation/Conjugate Addition, and Cyclization Sequences of Vinyl Phenols. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	6
271	Photochemical and Electrochemical Strategies for Hydrodefluorination of Fluorinated Organic Compounds. Chemistry - A European Journal, 2022, 28, .	1.7	19
272	Au(I) Catalyzed HF Transfer: Tandem Alkyne Hydrofluorination and Perfluoroarene Functionalization. ACS Catalysis, 2022, 12, 3411-3419.	5.5	18
273	Distal Construction of a Carbonâ€“CF₂R Bond on Aliphatic Alcohols Enabled by 1,5â€Hydrogenâ€Atom Transfer. Advanced Synthesis and Catalysis, 2022, 364, 1498-1502.	2.1	2

#	Article	IF	Citations
274	Preparation and applications of two fluoroalkyl end-capped vinyltrimethoxysilane oligomeric composites possessing superoleophilic/superhydrophobic characteristic: a review. Journal of Coatings Technology Research, 0, , 1.	1.2	0
275	Implications of PFAS definitions using fluorinated pharmaceuticals. IScience, 2022, 25, 104020.	1.9	14
276	Silverâ€Catalyzed Nucleophilic Deoxydifluoromethylthiolation of Activated Aliphatic Alcohols with BTâ^'SCF₂H. European Journal of Organic Chemistry, 2022, 2022, .	1.2	3
277	Novel insights into the mechanism of periodate activation by heterogeneous ultrasonic-enhanced sludge biochar: Relevance for efficient degradation of levofloxacin. Journal of Hazardous Materials, 2022, 434, 128860.	6.5	44
278	Photoredox catalyzed difluoro(phenylthio)methylation of 2,3-allenoic acids with {difluoro(phenylthio)methyl}triphenylphosphonium triflate. Journal of Fluorine Chemistry, 2022, 257-258, 109969.	0.9	1
279	Allylic substitution reactions with fluorinated nucleophiles. Coordination Chemistry Reviews, 2022, 459, 214455.	9.5	1
280	Regio- as well as stereoselective epoxide ring opening reactions using 3,3,3-trifluoroprop-1â€'yne. Journal of Fluorine Chemistry, 2022, 257-258, 109971.	0.9	1
281	Apoptosis induction, PARP-1 inhibition, and cell cycle analysis of leukemia cancer cells treated with novel synthetic 1,2,3-triazole-chalcone conjugates. Bioorganic Chemistry, 2022, 123, 105762.	2.0	41
282	Synthesis of Difluoromethylated Pyrazoles by the [3 + 2] Cycloaddition Reaction of Difluoroacetohydrazonoyl Bromides. Journal of Organic Chemistry, 2022, 87, 498-511.	1.7	21
283	Asymmetric Synthesis of Chiral Î±â€CF₂H Spiro[Indolineâ€3,3â€²â€Thiophene] via Phaseâ€Transfer Catalyzed Sulfaâ€Michael/Michael Domino Reaction. Advanced Synthesis and Catalysis, 2022, 364, 811-830.	2.1	5
284	Enantioenriched Î³-Aminoalcohols, Î²-Amino Acids, Î²-Lactams, and Azetidines Featuring Tetrasubstituted Fluorinated Stereocenters via Palladacycle-Catalyzed Asymmetric Fluorination of Isoxazolinones. Journal of Organic Chemistry, 2022, 87, 670-682.	1.7	19
285	Selective electrochemical fluorination of O,S â€acetal derivatives bearing Î±â€electronâ€withdrawing groups. Electrochemical Science Advances, 0, , .	1.2	3
286	An Efficient Approach to 2-CF3-Indoles Based on ortho-Nitrobenzaldehydes. Molecules, 2021, 26, 7365.	1.7	3
287	Vicinal Difunctionalization of Alkenes Using Vinyl Triflates Leading to Î³-Trifluoromethylated Ketones. Organic Letters, 2022, 24, 324-327.	2.4	5
288	Organophotocatalytic ring opening/remote trifluoromethylselenolation of cycloalkanols. Tetrahedron Letters, 2022, 98, 153787.	0.7	4
289	Ethynyl-SF₄-Pyridines: Reagents for SF₄-Alkynylation to Carbonyl Compounds. Journal of Organic Chemistry, 2022, 87, 6302-6311.	1.7	13
290	Fluorine-Containing Drug Administration in Rats Results in Fluorination of Selected Proteins in Liver and Brain Tissue. International Journal of Molecular Sciences, 2022, 23, 4202.	1.8	4
291	Preclinical Therapeutic Assessment of a New Chemotherapeutics Patient-Derived Xenograft Model of Triple-Negative Breast Cancers. Pharmaceutics, 2022, 14, 839.	2.0	2

#	Article	IF	Citations
292	Photoinduced Trifluoromethylation with CF₃Br as a Trifluoromethyl Source: Synthesis of Î±-CF₃-Substituted Ketones. ACS Omega, 2022, 7, 14357-14362.	1.6	10
293	Synthesis of 3-Trifluoromethyl-1,2,4-triazolines and 1,2,4-Triazoles via Tandem Addition/Cyclization of Trifluoromethyl N-Acylhydrazones with Cyanamide. Journal of Organic Chemistry, 2022, 87, 5882-5892.	1.7	11
294	Trifluoromethyl Selenoxides: Electrophilic Reagents for Câ€“H Trifluoromethylselenolation of (Hetero)Arene. Organic Letters, 2022, 24, 3009-3013.	2.4	17
295	Successful trifluoromethoxy-containing pharmaceuticals and agrochemicals. Journal of Fluorine Chemistry, 2022, 257-258, 109978.	0.9	11
296	Synthesis of Aryl Perfluorocyclopropyl Ethers via [2 + 1] Cyclopropanation Using TMSCF₂Br Reagent. Organic Letters, 2022, 24, 3589-3593.	2.4	12
297	Regioselective Synthesis of Pyridine-SF₄-Methyl Ketones via Hydration of Pyridine-SF₄-Alkynes. Organic Letters, 2022, 24, 3347-3352.	2.4	17
298	Ring-Opening Fluorination of Isoxazoles. Organic Letters, 2022, 24, 3270-3274.	2.4	8
299	Electrochemical Trifluoromethylselenolation of Activated Alkyl Halides. European Journal of Organic Chemistry, 0, , .	1.2	5
300	Safe and selective anticancer agents from tetrafluorinated azobenzeneâ€imidazolium ionic liquids: Synthesis, characterization, and cytotoxic effects. Archiv Der Pharmazie, 2022, 355, e2200085.	2.1	3
301	Synthesis and application of monofluoroalkyl building blocks Î±â€haloâ€Î±â€fluoro ketones. European Journal of Organic Chemistry, 0, , .	1.2	0
302	Reductive quenching-initiated catalyst-controlled divergent alkylation of Î±-CF3-olefins. Chem Catalysis, 2022, 2, 1380-1393.	2.9	37
303	Synthesis of Pyridineâ€“SF₄â€“Isoxazolines Using the Functionality of trans-Tetrafluoro-Î»⁶-sulfanyl Rodlike Linkers. Organic Letters, 2022, 24, 3755-3759.	2.4	18
304	Mechanochemical Direct Fluorination of Unactivated C(sp³)â^'H Bonds. Advanced Synthesis and Catalysis, 2022, 364, 1975-1981.	2.1	7
305	Stereocontrolled Synthesis of Fluorinated Isochromans via Iodine(I)/Iodine(III) Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
306	Synthesis and physical chemical properties of CF3O-containg secondary aminesâ€”Perspective building blocks for drug discovery. Journal of Fluorine Chemistry, 2022, 257-258, 109990.	0.9	1
307	Real-Time Monitoring of Hostâ€“Gut Microbial Interspecies Interaction in Anticancer Drug Metabolism. Journal of the American Chemical Society, 2022, 144, 8529-8535.	6.6	10
308	Stereocontrolled Synthesis of Fluorinated Isochromans via Iodine(I)/Iodine(III) Catalysis. Angewandte Chemie, 0, , .	1.6	3
309	Determination of accurate 19F chemical shift tensors with R-symmetry recoupling at high MAS frequencies (60â€“100ÂkHz). Journal of Magnetic Resonance, 2022, 340, 107227.	1.2	5

#	Article	IF	Citations
310	Metabolic engineering of Escherichia coli forÂefficient degradation of 4-fluorophenol. AMB Express, 2022, 12, 55.	1.4	4
311	Application of Aromatic Substituted 2,2,2-Trifluoro Diazoethanes in Organic Reactions. Current Organic Chemistry, 2022, 26, 639-650.	0.9	4
312	Recent Progress in Aryltrifluoromethylation Reactions of Carbonâ€Carbon Multiple Bonds. Chemistry - an Asian Journal, 2022, 17, .	1.7	11
313	Fluorine-induced polarity increases inhibitory activity of BPTI towards chymotrypsin. RSC Chemical Biology, 2022, 3, 773-782.	2.0	8
314	Quadruple Functionalized Pyrazole Pharmacophores by Oneâ€pot Regioselective [3+2] Cycloaddition of Fluorinated Nitrile Imines and Dicyanoalkenes. Chemistry - an Asian Journal, 2022, 17, .	1.7	18
315	Hydro-trifluoromethyl(thiol)ation of alkenes: a review*. Journal of Sulfur Chemistry, 2022, 43, 519-539.	1.0	1
316	Light-Mediated Defluorosilylation of Î±-Trifluoromethyl Arylalkenes through Hydrogen Atom Transfer. Organic Letters, 2022, 24, 4019-4023.	2.4	22
317	Fluorine in Medicinal Chemistry: In Perspective to COVID-19. ACS Omega, 2022, 7, 18206-18212.	1.6	23
318	A Nonconventional Archaeal Fluorinase Identified by In Silico Mining for Enhanced Fluorine Biocatalysis. ACS Catalysis, 2022, 12, 6570-6577.	5.5	20
319	Copper-mediated aromatic fluorination using N-heterocycle-carbene ligand: Free energy profile of the Cu(I)/Cu(III) and Cu(II) radical mechanisms. Journal of Organometallic Chemistry, 2022, 973-974, 122397.	0.8	3
320	TFAâ€Promoted Intermolecular Friedelâ€Crafts Alkylation of Arenes with 2,2,2â€Trifluoroethylaryl Sulfoxides. Chemistry - an Asian Journal, 0, , .	1.7	1
321	Recent Progress on Trifluoromethylthiolation of (Hetero)Aryl Câ€“H Bonds with Electrophilic Trifluoromethylthiolating Reagents. ACS Sustainable Chemistry and Engineering, 2022, 10, 6889-6899.	3.2	15
322	Study of Carbamoyl Fluoride: Synthesis, Properties and Applications. Chemistry - A European Journal, 2022, 28, .	1.7	11
323	Strategies for the Synthesis of Fluorinated Nucleosides, Nucleotides and Oligonucleotides. Chemical Record, 2022, 22, .	2.9	8
324	Catalytic Synthesis of 5-Fluoro-2-oxazolines: Using BF₃Â·Et₂O as the Fluorine Source and Activating Reagent. ACS Omega, 2022, 7, 19988-19996.	1.6	5
325	Pseudomonas sp. Strain 273 Incorporates Organofluorine into the Lipid Bilayer during Growth with Fluorinated Alkanes. Environmental Science & Technology, 2022, 56, 8155-8166.	4.6	10
326	Site-selective iodine atom transfer in fluorinated alkyl iodides via 1,5-hydrogen atom transfer. Chemical Communications, 2022, 58, 7416-7418.	2.2	2
327	Solvent-controlled base-free synthesis of bis(trifluoromethyl)-cyclopropanes and -pyrazolines via cycloaddition of 2-trifluoromethyl-1,3-enynes with 2,2,2-trifluorodiazoethane. Organic and Biomolecular Chemistry, 2022, 20, 5071-5075.	1.5	8

#	Article	IF	Citations
328	A density functional theory study on the mechanism of simultaneous trifluoromethylation and oximation of aryl-substituted ethylenes. Journal of Chemical Research, 2022, 46, 174751982211040.	0.6	0
329	Regioselective Synthesis of 3â€Trifluoromethyl 4â€Substituted Pyrazoles by [3+2] Cycloaddition of Trifluoroacetonitrile Imines and Nitroalkenes. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	12
330	Stereoselective synthesis of Î´-fluorinated isoleucines exploiting consecutive C(sp3)-H bond activations. Tetrahedron, 2022, 120, 132876.	1.0	2
331	Cost-Efficient, Multigram Scalable Synthesis of Shelf-Stable Electrophilic (Phenylsulfonyl)difluoromethylating Reagents. Organic Process Research and Development, 2022, 26, 2415-2422.	1.3	1
332	Impact of Fluoroalkyl Substituents on the Physicochemical Properties of Saturated Heterocyclic Amines. Chemistry - A European Journal, 2022, 28, .	1.7	8
333	Recent Progress in the Selective Fluorinations of Some Functionalized Cycloalkenes. Chemical Record, 2022, 22, .	2.9	4
334	Construction of N-Polyheterocycles by N-Heterocyclic Carbene Catalysis via a Regioselective Intramolecular Radical Addition/Cyclization Cascade. Organic Letters, 2022, 24, 4615-4619.	2.4	10
335	Octanolâ€“Water Partition Coefficients of Fluorinated Drug Molecules with Continuum Solvation Models. Journal of Physical Chemistry A, 0, , .	1.1	3
336	Catalytic Stereoconvergent Synthesis of Homochiral Î²-CF₃, Î²-SCF₃, and Î²-OCF₃ Benzylic Alcohols. ACS Organic & Inorganic Au, 2022, 2, 396-404.	1.9	12
337	Ru(II)â€Catalyzed Hydroarylation of inâ€…situ Generated 3,3,3â€Trifluoroâ€1â€propyne by Câ€“H Bond Activation: A Facile and Practical Access to Î²â€Trifluoromethylstyrenes. Chemistry - A European Journal, 2022, 28, .	1.7	5
338	Electrosynthesis Governed by Electrolyte: Case Studies that Give Some Hints for the Rational Design of Electrolyte. Electrochemistry, 2022, , .	0.6	2
339	Catalytic enantioselective synthesis of fluoromethylated stereocenters by asymmetric hydrogenation. Chemical Science, 0, , .	3.7	3
340	Proflavine-Catalysed Trifluoromethylation of Î‘,Î’-Unsaturated Carbonyls. SSRN Electronic Journal, 0, , .	0.4	0
341	Bir Florlu Aminoimidazolin Olan Midaflur'un KarÅŸÄ±laÅŸtÄ±rmalÄ± Kuantum Kimyasal Analizi. Bilecik Åžeyh Edebali Ãœniversitesi Fen Bilimleri Dergisi, 0, , .	0.1	0
342	Stereoretentive trifluoromethylthiolation of (E)â€‘styrylboronic acid with AgSCF3 or N-trifluoromethylthiosuccinimide. Tetrahedron Letters, 2022, 103, 153982.	0.7	5
343	Catalytic Hydrodifluoroalkylation of Unactivated Olefins. Organic Letters, 2022, 24, 5109-5114.	2.4	24
344	Lewis Baseâ€catalyzed Î²â€Addition of (Arylsulfonyl) fluoromethane Derivatives to Allenoates. ChemistrySelect, 2022, 7, .	0.7	0
345	Etherification of Fluoroarenes with Alkoxyboronic Acid Pinacol Esters via Câ€“F Bond Cleavage. Organic Letters, 2022, 24, 5084-5089.	2.4	4

#	Article	IF	Citations
346	Development of Anionic Phase-Transfer Catalysts for Asymmetric Fluorinations. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 632-644.	0.0	0
347	Synthesis and applications of S-(trifluoromethyl)-2,8-bis(trifluoromethoxy)dibenzothiophenium triflate (Umemoto reagent IV). Journal of Fluorine Chemistry, 2022, 261-262, 110015.	0.9	4
348	Derivatization of Marineâ€Derived Fascaplysin via Highly Regioselective Suzukiâ€Miyaura Coupling Contributing to the Enhanced Antibacterial Activity. ChemistrySelect, 2022, 7, .	0.7	4
349	Fluoroiodomethane: A CH₂Fâ€Moietyâ€Delivering Agent Suitable for Nucleophilicâ€, Electrophilicâ€, and Radicalâ€Harnessed Operations. Advanced Synthesis and Catalysis, 2022, 364, 2890-2910.	2.1	4
350	Palladiumâ€Catalyzed Selective Câ€F Bond Cleavage of Trifluoropropanamides Leading to (Z)â€Nâ€±â€Fluorovinylindoles. Advanced Synthesis and Catalysis, 2022, 364, 2546-2550.	2.1	5
351	A Mild and Regioselective Route to Fluoroalkyl Aromatic Compounds via Directed Cycloaddition Reactions. Journal of Organic Chemistry, 2022, 87, 9764-9768.	1.7	1
352	Nickel-Catalyzed anti-Markovnikov Hydroalkylation of Trifluoromethylalkenes. ACS Catalysis, 2022, 12, 9410-9417.	5.5	26
353	Chemistry of Pentafluorosulfanyl Derivatives and Related Analogs: From Synthesis to Applications. Chemistry - A European Journal, 2022, 28, .	1.7	23
354	Radical Addition of Dihydroquinoxalin-2-ones to Trifluoromethyl Ketones under Visible-Light Photoredox Catalysis. Journal of Organic Chemistry, 2022, 87, 9343-9356.	1.7	7
355	Copper-Catalyzed Regioselective Olefination and Trifluoromethylation of Carboxylic Acids To Give (Z)-Trifluoromethyl Enol Esters. Organic Letters, 2022, 24, 5197-5202.	2.4	4
356	Cathodic generation of reactive (phenylthio)difluoromethyl species and its reactions: mechanistic aspects and synthetic applications. Beilstein Journal of Organic Chemistry, 0, 18, 872-880.	1.3	0
357	Bromodifluoromethyl Sulfonium Ylide: An easily available electrophilic bromodifluoromethylating reagent for bromodifluoromethylation of styrenes and heteroarenes by visible-light-promoted photoredox. Journal of Fluorine Chemistry, 2022, 261-262, 110021.	0.9	0
358	Perfluoroalkyl Compounds for Industrial and Other Applications. , 2022, , 66-112.		1
359	Hexafluoroisobutylation of enolates through a tandem elimination/allylic shift/hydrofluorination reaction. Chemical Science, 2022, 13, 9507-9514.	3.7	2
360	Fluorinated 1,2,4-triketone analogs: new prospects for heterocyclic and coordination chemistry. Russian Chemical Bulletin, 2022, 71, 1321-1341.	0.4	6
361	Directed Palladium Catalyzed Câ^'H (Ethoxycarbonyl)difluoromethylthiolation Reactions. Chemistry - A European Journal, 2022, 28, .	1.7	3
362	Difluoromethylation of Unactivated Alkenes Using Freon-22 through Tertiary Amine-Borane-Triggered Halogen Atom Transfer. Journal of the American Chemical Society, 2022, 144, 14288-14296.	6.6	39
363	Metal-Free Photochemical Imino-Alkylation of Alkenes with Bifunctional Oxime Esters. Journal of the American Chemical Society, 2022, 144, 15871-15878.	6.6	39

#	Article	IF	Citations
364	Strategies for the Biodegradation of Polyfluorinated Compounds. Microorganisms, 2022, 10, 1664.	1.6	9
365	Synthesis of Carbamoyl Fluorides Using a Difluorophosgene Surrogate Derived from Difluorocarbene and Pyridine N-Oxides. Journal of Organic Chemistry, 2022, 87, 11457-11468.	1.7	11
366	Synthesis of Hydrofluoroolefinâ€Based Iodonium Reagent via Dyotropic Rearrangement and Its Utilization in Fluoroalkylation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	6
367	Photoredox Activation of Anhydrides for the Solventâ€Controlled Switchable Synthesis of gemâ€Difluoro Compounds**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
368	Synthesis of Highly Reactive Sulfone Iminium Fluorides and Their Use in Deoxyfluorination and Sulfur Fluoride Exchange Chemistry. Organic Letters, 2022, 24, 5962-5966.	2.4	5
369	Palladiumâ€Catalyzed Arylfluorination of Alkenes: A Powerful New Approach to Organofluorine Compounds. Chemistry - A European Journal, 2022, 28, .	1.7	8
370	Synthesis of Hydrofluoroolefinâ€Based Iodonium Reagent via Dyotropic Rearrangement and Its Utilization in Fluoroalkylation. Angewandte Chemie, 0, , .	1.6	0
371	Synthesis, Characterisation and Mechanism of Action of Anticancer 3-Fluoroazetidin-2-ones. Pharmaceuticals, 2022, 15, 1044.	1.7	4
372	Lightâ€Driven Hydrodefluorination of Electronâ€Rich Aryl Fluorides by an Anionic Rhodiumâ€Gallium Photoredox Catalyst. Angewandte Chemie, 2022, 134, .	1.6	1
373	Electron attachment to fluorodeoxyglucose: Dissociation dynamics in a molecule of near-zero electron affinity. Journal of Chemical Physics, 2022, 157, .	1.2	2
374	Advances in Bifunctional Squaramide-catalyzed Asymmetric Sulfa-Michael Addition: A Decade Update. Synlett, 0, , .	1.0	1
375	Enantioselective Cobalt-Catalyzed Hydroboration of Fluoroalkyl-Substituted Alkenes to Access Chiral Fluoroalkylboronates. Journal of the American Chemical Society, 2022, 144, 15333-15338.	6.6	18
376	Anticancer activity and QSAR study of sulfur-containing thiourea and sulfonamide derivatives. Heliyon, 2022, 8, e10067.	1.4	5
377	Catalytic and Stereoselective Transformations with Easily Accessible and Purchasable Allyl and Alkenyl Fluorides. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
378	Copperâ€Catalyzed Multicomponent Reaction to Construct Fluorinated Indoleâ€quinoxalinâ€2(1H)â€ones and Their Biological Evaluation. European Journal of Organic Chemistry, 2022, 2022, .	1.2	6
379	Vinylic Trifluoromethylselenolation via Pdâ€Catalyzed Cî—¸H Activation. Chemistry - A European Journal, 2022, 28, .	1.7	4
380	Catalytic and Stereoselective Transformations with Easily Accessible and Purchasable Allyl and Alkenyl Fluorides. Angewandte Chemie, 0, , .	1.6	1
381	Trifluoromethylated Indolopyranones through Regioselective Annulation of Indole Carboxylic Acids with Unsymmetric Internal Trifluoromethylated Alkynes. European Journal of Organic Chemistry, 2022, 2022, .	1.2	1

#	Article	IF	Citations
382	Lightâ€Driven Hydrodefluorination of Electronâ€Rich Aryl Fluorides by an Anionic Rhodiumâ€Gallium Photoredox Catalyst. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
383	Electrophilic Reagents for the Direct Incorporation of Uncommon SCF₂CF₂H and SCF₂CF₃ Motifs. Journal of Organic Chemistry, 2022, 87, 10791-10806.	1.7	7
384	Finding Fluorine: Photoproduct Formation during the Photolysis of Fluorinated Pesticides. Environmental Science & Technology, 2022, 56, 12336-12346.	4.6	12
385	Modular Access to 2-(Trifluoromethyl)pyrazolo[1,5-a]pyridines and Their Benzo Analogues through a Copper(I)-Catalyzed Radical Annulation. Organic Letters, 2022, 24, 6292-6297.	2.4	9
386	Photoredox Activation of Anhydrides for the Solventâ€Controlled Switchable Synthesis of gemâ€Difluoro Compounds. Angewandte Chemie, 0, , .	1.6	0
387	Recent Developments in Nucleophilic Fluorination with Potassium Fluoride (KF): A Review. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	5
388	Screening of Proteinâ€“Ligand Binding Using a SABRE Hyperpolarized Reporter. Analytical Chemistry, 2022, 94, 11375-11381.	3.2	8
389	High-Resolution Elemental Mass Spectrometry Using LC-ICP-Nanospray-Orbitrap for Simultaneous and Species-Independent Quantitation of Fluorinated and Chlorinated Compounds. Analytical Chemistry, 2022, 94, 11865-11872.	3.2	5
390	Visible-light photoredox-catalyzed selective carboxylation of C(sp2)â˜F bonds in polyfluoroarenes with CO2. Chinese Journal of Catalysis, 2022, 43, 2388-2394.	6.9	18
391	Proflavine-catalysed trifluoromethylation of Î±,Î²-unsaturated carbonyls. Molecular Catalysis, 2022, 530, 112587.	1.0	1
392	Generation of fluoro(thio)carbenes from Me3SiCF2SAr. Journal of Fluorine Chemistry, 2022, 261-262, 110025.	0.9	1
393	Fluoroacetate distribution, response to fluoridation, and synthesis in juvenile Gastrolobium bilobum plants. Phytochemistry, 2022, 202, 113356.	1.4	0
394	Enantioselective nickel-catalyzed dicarbofunctionalization of 3,3,3-trifluoropropene. Nature Communications, 2022, 13, .	5.8	20
395	Perfluoroalkylated Biomolecules for Medicinal Chemistry and Biological Studies. , 2022, , 459-476.		0
396	Impact of Î²-perfluoroalkyl substitution of proline on the proteolytic stability of its peptide derivatives. Organic and Biomolecular Chemistry, 0, , .	1.5	0
397	Hydration Dynamics and IR Spectroscopy of 4-Fluorophenol. Physical Chemistry Chemical Physics, 0, , .	1.3	1
398	Synthesis, computational investigation and biological evaluation of Î±,Î±-difluoromethyl ketones embodying pyrazole and isoxazole nuclei as COX inhibitors. Organic and Biomolecular Chemistry, 2022, 20, 8293-8304.	1.5	4
399	Straightforward access to fluoroalkyl tetrazoles from fluoroalkyl N-sulfonylhydrazones. Organic Chemistry Frontiers, 0, , .	2.3	0

#	Article	IF	Citations
400	Pd-Catalyzed asymmetric decarboxylation for the construction of spiro[4.5]deca-6,9-dien-8-ones featuring vicinal quaternary carbons. Organic Chemistry Frontiers, 2022, 9, 4861-4866.	2.3	9
401	Synthesis of Five-Membered Ring Systems Bearing gem-Difluoroalkenyl and Monofluoroalkenyl Substituents via Radical Î²-Bromo Fragmentation. ACS Catalysis, 2022, 12, 11934-11941.	5.5	9
402	Improvements in Efficiency and Selectivity for Câ€“F Bond Halogen-Exchange Reactions using Boron Reagents. Synlett, 0, , .	1.0	6
403	Sulfenofunctionalization of Chiral Î±â€Trifluoromethyl Allylboronic Acids: Asymmetric Synthesis of SCF₃, SCF₂R, SCN and SAr Compounds. Angewandte Chemie - International Edition, 2022, 61, .	7.2	8
404	Practical Synthesis of <scp>NFSI</scp> Derivatives through <scp>ArSO₂NHF</scp> without <scp>F₂</scp>. Chinese Journal of Chemistry, 2022, 40, 2956-2962.	2.6	3
405	Computational Study on the Co-Mediated Intramolecular Pausonâ€“Khand Reaction of Fluorinated and Chiral N-Tethered 1,7-Enynes. Organometallics, 2022, 41, 2525-2534.	1.1	3
406	Photoredoxâ€Catalyzed Deoxygenation of Hexafluoroacetone Hydrate Enables Hydroxypolyfluoroalkylation of Alkenes. Angewandte Chemie, 0, , .	1.6	0
407	Catalytic Chemodivergent Annulations ofoâ€Aminotrifluoroacetophenone and Allenyl Imide through Î²â€™â€Câ€“H Functionalization or Î²/Î³â€Bisfunctionalization. Advanced Synthesis and Catalysis, 2022, 364, 3690-3696.	5.4	3
408	3,3â€Difluoroallyl Sulfonium Salts: Practical and Benchâ€Stable Reagents for Highly Regioselective gem â€Difluoroallylations. Angewandte Chemie, 0, , .	1.6	0
409	3,3â€Difluoroallyl Sulfonium Salts: Practical and Benchâ€Stable Reagents for Highly Regioselective gemâ€Difluoroallylations. Angewandte Chemie - International Edition, 2022, 61, .	7.2	21
410	Direct Synthesis of Î±â€Arylâ€Î±â€Trifluoromethyl Alcohols via Nickel Catalyzed Crossâ€Electrophile Coupling.. Angewandte Chemie, 0, , .	1.6	1
411	Selfâ€Sustaining Fluorination of Active Methylene Compounds and Highâ€Yielding Fluorination of Highly Basic Aryl and Alkenyl Lithium Species with a Sterically Hindered N â€Fluorosulfonamide Reagent. Angewandte Chemie - International Edition, 0, , .	7.2	5
412	Direct Synthesis of Î±â€Arylâ€Î±â€Trifluoromethyl Alcohols via Nickel Catalyzed Crossâ€Electrophile Coupling. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
413	Sulfenofunctionalization of Chiral Î±â€Trifluoromethyl Allylboronic Acids: Asymmetric Synthesis of SCF3, SCF2R, SCN and SAr Compounds. Angewandte Chemie, 0, , .	1.6	0
414	Selfâ€Sustaining Fluorination of Active Methylene Compounds and Highâ€Yielding Fluorination of Highly Basic Aryl and Alkenyl Lithium Species with a Sterically Hindered Nâ€Fluorosulfonamide Reagent. Angewandte Chemie, 2022, 134, .	1.6	0
415	Photoredoxâ€Catalyzed Deoxygenation of Hexafluoroacetone Hydrate Enables Hydroxypolyfluoroalkylation of Alkenes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
416	General and Practical Route to Diverse 1-(Difluoro)alkyl-3-aryl Bicyclo[1.1.1]pentanes Enabled by an Fe-Catalyzed Multicomponent Radical Cross-Coupling Reaction. ACS Catalysis, 2022, 12, 11547-11556.	5.5	22
417	Synthesis and Structural Characterization of Novel Trihalo-sulfone Inhibitors of WNK1. ACS Medicinal Chemistry Letters, 2022, 13, 1678-1684.	1.3	2

#	Article	IF	Citations
418	Diastereoselective synthesis of Î³,Î³-disubstituted Î²-hydroxy Î±,Î±-difluoro-Î³-butyrolactones. Journal of Fluorine Chemistry, 2022, 261-262, 110028.	0.9	2
419	Mono- and difluorination of methylene group in isomeric pyrimidinyl- and pyridinylacetates with N-fluorobenzenesulfonimide. Journal of Fluorine Chemistry, 2022, 261-262, 110027.	0.9	2
420	Synthesis of 3-SCF₂H-/3-SCF₃-chromones via Interrupted Pummerer Reaction/Intramolecular Cyclization Mediated by Difluoromethyl or Trifluoromethyl Sulfoxide and Tf₂O. Organic Letters, 2022, 24, 7216-7221.	2.4	9
421	Advances in Nanofabrication Technology for Nutraceuticals: New Insights and Future Trends. Bioengineering, 2022, 9, 478.	1.6	11
422	Fluorinated vectors for gene delivery. Expert Opinion on Drug Delivery, 2022, 19, 1435-1448.	2.4	4
423	Ligand-Enabled Copper-Catalyzed Regio- and Stereoselective Allylboration of 1-Trifluoromethylalkenes. Organic Letters, 2022, 24, 7450-7454.	2.4	5
424	Fluorinated Cycloalkyl Building Blocks for Drug Discovery. ChemMedChem, 2022, 17, .	1.6	26
425	Synthesis of Axially Chiral CF3â€Substituted 2â€Arylpyrroles by Sequential Phosphineâ€Catalyzed Asymmetric [3+2] Annulation and Oxidative Centralâ€toâ€Axial Chirality Transfer. Angewandte Chemie, 0, , .	1.6	0
426	Synthesis of Axially Chiral CF₃â€Substituted 2â€Arylpyrroles by Sequential Phosphineâ€Catalyzed Asymmetric [3+2] Annulation and Oxidative Centralâ€toâ€Axial Chirality Transfer. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
427	Practical Asymmetric Synthesis of a Bicyclic Pyrrolidinol. Organic Process Research and Development, 2022, 26, 2839-2846.	1.3	3
428	Difluoromethylsulfonyl Imidazolium Salt for Difluoromethylation of Alkenes. Organic Letters, 2022, 24, 7611-7616.	2.4	5
429	Eosin Y-Catalyzed Visible-Light-Induced Hydroperfluoroalkylation of Electron-Deficient Alkenes. Journal of Organic Chemistry, 2022, 87, 14923-14929.	1.7	7
430	19F fast MAS (60â€“111ÂkHz) dipolar and scalar based correlation spectroscopy of organic molecules and pharmaceutical formulations. Solid State Nuclear Magnetic Resonance, 2022, 122, 101831.	1.5	2
431	Direct Synthesis of Oxaspirolactones in Batch, Photoflow, and Silica Gel-Supported Solvent-free Conditions via Visible-Light Photo- and Heterogeneous BrÃ¸nsted Acid Relay Catalysis. Green Chemistry, 0, , .	4.6	1
432	5-Fluoro-1,2,3-triazole motif in peptides and its electronic properties. Organic and Biomolecular Chemistry, 0, , .	1.5	1
433	Synthesis of conjugated bisallenes by cooperative Cu/Pd-catalysed borylallenylation of 2-trifluoromethyl-1,3-enynes. Chemical Communications, 2022, 58, 12871-12874.	2.2	1
434	Deoxyfluorination tunes the aggregation of cellulose and chitin oligosaccharides and highlights the role of specific hydroxyl groups in the crystallization process. Organic and Biomolecular Chemistry, 2022, 20, 8228-8235.	1.5	2
435	Nickel-catalyzed regio- and enantio-selective Markovnikov hydromonofluoroalkylation of 1,3-dienes. Chemical Science, 2022, 13, 12519-12526.	3.7	7

#	Article	IF	Citations
436	Efficient Synthesis of Fluorinated Derivatives from Isolated 24-Ethyl cholest-5-en-3Î²-ol: Characterization, Quantum Chemical Calculations by DFT and Molecular Docking. Asian Journal of Chemistry, 2022, 34, 2947-2954.	0.1	0
437	Alkylboronic acids as alkylating agents: photoredox-catalyzed alkylation reactions assisted by K₃PO₄. Chemical Science, 2022, 13, 13466-13474.	3.7	11
438	Recent advances in photocatalytic polyfluoroarylation. Chemical Communications, 2022, 58, 12900-12912.	2.2	7
439	N-ä¸ƒæºÿå¼,ä¸™ç¡«åŸºé,»è‹¯ä¤Œç”²é…°ä¤šèƒ¼šä¸€ç§å¹¿æ³›é€‚å¤”ç¡„ä¸ƒæºÿå¼,ä¸™ç¡«åŸºåŒ–è¯•å‰‚. Scientia Sinica Chimica, 202	0.2	0
440	Synthesis, characterization and evaluation of prenylated chalcones ethers as promising antileishmanial compounds. Molecular Diversity, 0, , .	2.1	1
441	General Access to Nâ^'CF₃ Secondary Amines and Their Transformation to Nâ^'CF₃ Sulfonamides. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
442	Synthesis and Cytotoxic Evaluation of Fluoro and Trifluoromethyl Substituents Containing Novel Naphthoquinone-Fused Podophyllotoxins. Natural Product Communications, 2022, 17, 1934578X2211331.	0.2	3
443	Nickel-Catalyzed Defluorophosphonylation of Aryl Fluorides. Journal of Organic Chemistry, 2022, 87, 14731-14737.	1.7	0
444	Synthesis of chiral piperidines from pyridinium salts via rhodium-catalysed transfer hydrogenation. Nature Catalysis, 2022, 5, 982-992.	16.1	16
445	Hantzsch Ester-Mediated Visible-Light-Induced Radical Ethoxycarbonyldifluoromethylation of Aryl Alkynes: Kinetic-Controlled Stereoselective Synthesis of Z-gem-Difluoroallyl Esters. Journal of Organic Chemistry, 2022, 87, 13828-13836.	1.7	4
446	The NORMAN Suspect List Exchange (NORMAN-SLE): facilitating European and worldwide collaboration on suspect screening in high resolution mass spectrometry. Environmental Sciences Europe, 2022, 34, .	2.6	37
447	Photoredox/Copperâ€Catalyzed Trifluoromethylaminoâ€Cyanation of 1,3â€Enynes. European Journal of Organic Chemistry, 2023, 26, .	1.2	3
448	FDA-Approved Trifluoromethyl Group-Containing Drugs: A Review of 20 Years. Processes, 2022, 10, 2054.	1.3	35
449	General Access to Nâ^'CF₃ Secondary Amines and Their Transformation to Nâ^'CF₃ Sulfonamides. Angewandte Chemie, 2022, 134, .	1.6	2
450	Organozinc Fluoride and Trifluoromethyl Compounds Supported by the Bis(2-pyridylthio)methyl Ligand. Organometallics, 2022, 41, 3435-3447.	1.1	1
451	Targeted enzyme modifications enable regioselective biosynthesis of fluorinated polyketides. Chem Catalysis, 2022, 2, 2440-2443.	2.9	2
452	KHMDS/Triglyme Cryptate as an Alternative to Phosphazene Base in Stereodivergent Pentafluoroethylation of N-Sulfinylimines Using HFC-125. Journal of Organic Chemistry, 2022, 87, 15806-15819.	1.7	4
453	Synthesis of Difluoromethyl Pyrazolines and Pyrazoles by [3+2] Cycloaddition Reaction of Difluoroacetohydrazonoyl Bromides with Electronâ€deficient Olefins. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	9

#	Article	IF	Citations
454	Rh-Pd/TiO2 as bilateral catalysts for reductive and oxidative degradation of fluorinated pharmaceutical contaminants. Applied Catalysis B: Environmental, 2023, 322, 122089.	10.8	9
455	Regio- and stereoselective synthesis of tetrasubstituted (E)-(2-chloro-2-fluoro-1-iodovinyl)dimethylphenylsilane and its desilylative sonogashira coupling. Organic and Biomolecular Chemistry, 0, , .	1.5	0
456	Effects of fluorine bonding and nonbonding interactions on ¹⁹F chemical shifts. RSC Advances, 2022, 12, 32082-32096.	1.7	3
457	Metal-free visible-light-induced hydroxy-perfluoroalkylation of conjugated olefins using enamine catalyst. RSC Advances, 2022, 12, 32790-32795.	1.7	9
458	Visible-Light-Induced Câ€“F Bond Activation for the Difluoroalkylation of Indoles. Organic Letters, 2022, 24, 8542-8546.	2.4	24
459	Diastereoselective Addition of PhSCF₂SiMe₃ to Chiral N-tert-Butanesulfinyl Ketimines Derived from Isatins: Synthesis of Enantioenriched gem-Difluoromethylenated Spiro-pyrrolidinyl and Spiro-piperidinyl Oxindoles. Journal of Organic Chemistry, 2022, 87, 15963-15985.	1.7	2
460	Câ€Hâ€Fluormethoxylierung von Aromaten durch Photoredoxâ€Katalyse. Angewandte Chemie, 2023, 135, .	1.6	3
461	Enhancing ¹⁹F Benchtop NMR Spectroscopy by Combining para-Hydrogen Hyperpolarization and Multiplet Refocusing. ACS Measurement Science Au, 2023, 3, 73-81.	1.9	3
462	Visible-light-induced Organocatalytic Perfluoroalkylation of Electron-rich Olefins. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 1028-1035.	0.0	2
463	Synthesis of 4-Aminopyrazol-5-ols as Edaravone Analogs and Their Antioxidant Activity. Molecules, 2022, 27, 7722.	1.7	3
464	First-Principle Investigation of Hypothetical NiF4 Crystal Structures. Crystals, 2022, 12, 1640.	1.0	1
465	Diastereo- and enantioselective synthesis of compounds with a trifluoromethyl- and fluoro-substituted carbon centre. Nature Chemistry, 2022, 14, 1459-1469.	6.6	15
466	Câ^'H Fluoromethoxylation of Arenes by Photoredox Catalysis. Angewandte Chemie - International Edition, 2023, 62, .	7.2	12
467	Ketenimines as Intermediates To Access Difluoromethoxylated Scaffolds. Organic Letters, 2022, 24, 8316-8321.	2.4	1
468	Design and synthesis of novel halogen rich salicylanilides as potential antileishmanial agents. European Journal of Medicinal Chemistry, 2023, 246, 114996.	2.6	5
469	Visible-light-initiated external photocatalyst-free synthesis of Î±,Î±-difluoro-Î²-ketoamides from 4-aminocoumarins. Organic and Biomolecular Chemistry, 0, , .	1.5	2
470	Halohydrin dehalogenase-catalysed synthesis of enantiopure fluorinated building blocks: bottlenecks found and explained by applying a reaction engineering approach. Reaction Chemistry and Engineering, 2023, 8, 673-686.	1.9	1
471	A method for the nucleophilic fluorination of 4-dimethylaminopyridine (DMAP) pyridinium salts. Results in Chemistry, 2023, 5, 100706.	0.9	0

#	Article	IF	Citations
472	Tandem reduction and trifluoroethylation of quinolines and quinoxalines with trifluoroacetic acid and trimethylamine borane. Organic and Biomolecular Chemistry, 2022, 20, 9613-9617.	1.5	4
473	Biocatalytic approach to chiral fluoroaromatic scaffolds. Organic and Biomolecular Chemistry, 2022, 20, 9734-9741.	1.5	3
474	Photoredox Catalyzed Single Câ^'F Bond Activation of Trifluoromethyl Ketones: A Solvent Controlled Divergent Access ofgemâ€Difluoromethylene Containing Scaffolds. Chemistry - A European Journal, 2023, 29, .	1.7	10
475	Amphiphilic Polyfluorinated Amino Ethers from Cyclic Sulfamidates. Journal of Organic Chemistry, 2022, 87, 16665-16675.	1.7	1
476	Synthesis of 3â€Aryl Oxindoles having Trifluoromethylated Quaternary Stereocenters via Catalyst Free Arylation. Advanced Synthesis and Catalysis, 2023, 365, 8-12.	2.1	1
477	Acid-Switchable Synthesis of Trifluoromethylated Triazoles and Isoxazoles via Reaction of CF3-Ynones with NaN3: DFT Study of the Reaction Mechanism. International Journal of Molecular Sciences, 2022, 23, 14522.	1.8	3
478	Indolyl-based Copper(I) Complex-Catalyzed Intermolecular Trifluoromethylazolation of Alkenes via Radical Process. Organic Letters, 2022, 24, 8948-8953.	2.4	2
479	Protoglobinâ€Catalyzed Formation of cis â€Trifluoromethylâ€Substituted Cyclopropanes by Carbene Transfer. Angewandte Chemie, 0, , .	1.6	0
480	Transitionâ€Metalâ€Free Controllable Single and Double Difluoromethylene Formal Insertions into Câ^'H Bonds of Aldehydes with TMSCF₂Br. Angewandte Chemie, 2023, 135, .	1.6	1
481	Carbotrifluoromethylations of Câ^'C Multiple Bonds (Excluding Arylâ€and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 382 Td (Alky	1.7	6
482	A Density Functional Theory Study on the Cobalt-Mediated Intramolecular Pausonâ€“Khand Reaction of Enynes Containing a Vinyl Fluoride Moiety. Synthesis, 2023, 55, 1139-1149.	1.2	1
483	Two-Step Synthesis of 2-Trifluoromethylated and 2-Difluoromethylated Benzoheteroles Starting from HFO-1224yd(Z) and HFO-1233yd(Z). Organic Letters, 2022, 24, 9306-9310.	2.4	3
484	Preparation and Functionalization of Monoâ€and Polyfluoroepoxides via Fluoroalkylation of Carbonyl Electrophiles. Chemistry - A European Journal, 2023, 29, .	1.7	2
485	PPhotoredox Catalytic Activation of Trichlorofluoromethane and Addition to Styrenes. ChemPhotoChem, 0, , .	1.5	0
486	Transitionâ€Metalâ€Free Controllable Single and Double Difluoromethylene Formal Insertions into Câ^'H Bonds of Aldehydes with TMSCF₂Br. Angewandte Chemie - International Edition, 2023, 62, .	7.2	11
487	Direct C(sp³)-H Trifluoromethylation of Unactivated Alkanes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 1161-1162.	0.0	0
488	Organoboron Reagentâ€Controlled Selective (Deutero)Hydrodefluorination. Angewandte Chemie - International Edition, 2023, 62, .	7.2	23
489	Protoglobinâ€Catalyzed Formation of cisâ€Trifluoromethylâ€Substituted Cyclopropanes by Carbene Transfer. Angewandte Chemie - International Edition, 2023, 62, .	7.2	9

#	Article	IF	Citations
490	Design, synthesis and molecular docking studies of 5-fluoro 1-aryl/alkyl sulfonyl benzimidazole derivatives for treatment of Parkinsonâ€™s disease. Phosphorus, Sulfur and Silicon and the Related Elements, 2023, 198, 336-344.	0.8	2
491	Synthesis and Reactions of 3-Halogenated 2-CF3-Indoles. Molecules, 2022, 27, 8822.	1.7	0
492	Visible Light Promotes Cascade Trifluoromethylation/Cyclization, Leading to Trifluoromethylated Polycyclic Quinazolinones, Benzimidazoles and Indoles. Molecules, 2022, 27, 8389.	1.7	5
493	Remote Radical Trifluoromethylation: A Unified Approach to the Selective Synthesis of Î³-Trifluoromethyl Î±,Î²-Unsaturated Carbonyl Compounds. Organic Letters, 2022, 24, 9375-9380.	2.4	11
494	Metal-Free Câ€“H Difluoromethylation of Imidazoles with the Ruppertâ€“Prakash Reagent. Journal of Organic Chemistry, 2023, 88, 163-171.	1.7	4
495	Stereoselective Preparation of CF₃-Containing Cyclopropanes. Organic Letters, 2022, 24, 9076-9080.	2.4	9
496	Organoboron Reagentâ€Controlled Selective (Deutero)Hydrodefluorination. Angewandte Chemie, 0, , .	1.6	0
497	Synthesis of Pyridine-SF4-Alkynes via Light-Promoted Radical Coupling of Pyridine-SF4-Chlorides and EBX Reagents. Bulletin of the Chemical Society of Japan, 2023, 96, 110-112.	2.0	7
498	Visible-Light-Induced Nickel-Catalyzed Radical Cross-Couplings to Access Î±-Aryl-Î±-trifluoromethyl Alcohols. Organic Letters, 2022, 24, 9332-9336.	2.4	7
499	Powerful Potential of Polyfluoroalkyl-Containing 4-Arylhydrazinylidenepyrazol-3-ones for Pharmaceuticals. Molecules, 2023, 28, 59.	1.7	4
500	Fluorinated triphenylphosphonium analogs improve cell selectivity and inÂvivo detection of mito-metformin. IScience, 2022, 25, 105670.	1.9	4
501	Catalytic and Chemodivergent Synthesis of 1-Substituted 9H-Pyrrolo[1,2-a]indoles via Annulation of Î²-CF₃ Enones with 3-Substituted Indoles. Journal of Organic Chemistry, 2023, 88, 230-244.	1.7	2
502	Recent Progress in Radical-Mediated Siâ€”H Functionalization of Silanes: An Effective Strategy for the Synthesis of Organosilanes Containing Câ€”Si Bond. Chinese Journal of Organic Chemistry, 2022, 42, 4122.	0.6	5
503	Direct Deprotonative Functionalization of Î±,Î±â€Difluoromethyl Ketones using a Catalytic Organosuperbase. Angewandte Chemie - International Edition, 2023, 62, .	7.2	6
504	Direct Deprotonative Functionalization of Î±,Î±â€Difluoromethyl Ketones using a Catalytic Organosuperbase. Angewandte Chemie, 0, , .	1.6	0
505	Recent Development of Radiofluorination of Boron Agents for Boron Neutron Capture Therapy of Tumor: Creation of 18F-Labeled C-F and B-F Linkages. Pharmaceuticals, 2023, 16, 93.	1.7	5
506	An Efficient Catalyst-Free Direct Approach to 5-Polyfluoroalkyl-1,2,4-triazole-3-thiones. Synthesis, 0, , .	1.2	0
507	Generation of 1,2-Difluorobenzene via a Photochemical Fluorodediazoniation Step in a Continuous Flow Mode. Organic Process Research and Development, 2023, 27, 322-330.	1.3	5

#	Article	IF	Citations
508	Highly Enantioselective Construction of Multifunctional Siliconâ€Stereogenic Silacycles by Asymmetric Enamine Catalysis. Angewandte Chemie, 2023, 135, .	1.6	0
509	Highly Enantioselective Construction of Multifunctional Siliconâ€Stereogenic Silacycles by Asymmetric Enamine Catalysis. Angewandte Chemie - International Edition, 2023, 62, .	7.2	9
510	Fluorinated Imines in Tandem and Cycloaddition Reactions. Chemical Record, 2023, 23, .	2.9	1
511	Unlocking geminal fluorohaloalkanes in nucleophilic fluoroalkylation chemistry: generation and trapping of lithiumfluorocarbenoids enabled by flow microreactors. Chemical Communications, 2023, 59, 1373-1376.	2.2	7
512	A Convergent, Modular Approach to Trifluoromethylâ€Bearing 5â€Membered Rings via Catalytic C(sp³)â^'H Activation. Angewandte Chemie - International Edition, 2023, 62, .	7.2	2
513	A Convergent, Modular Approach to Trifluoromethylâ€Bearing 5â€Membered Rings via Catalytic C(sp³)â^'H Activation. Angewandte Chemie, 2023, 135, .	1.6	0
514	Ringâ€Opening Fluorination of Carbo/Heterocycles and Aromatics: Construction of Complex and Diverse Fluorineâ€Containing Molecules. Chemical Record, 2023, 23, .	2.9	4
515	Design, Catalyst-Free Synthesis of New Novel Î±-Trifluoromethylated Tertiary Alcohols Bearing Coumarins as Potential Antifungal Agents. Molecules, 2023, 28, 260.	1.7	3
516	Synthesis of Alkyl Fluorides and Fluorinated Unnatural Amino Acids via Photochemical Decarboxylation of Î±-Fluorinated Carboxylic Acids. Organic Letters, 2023, 25, 483-487.	2.4	8
517	Visible-light-induced reactions of methylenecyclopropanes (MCPs). Chemical Communications, 2023, 59, 2726-2738.	2.2	4
518	Molecular Sculpting: A Multipurpose Tool for Expedited Access to Various Fluorinated Arenes via Photocatalytic Hydrodefluorination of Benzoates. Journal of Organic Chemistry, 0, , .	1.7	2
519	Solid-state Silver-catalyzed Ring-opening Fluorination of Cyclobutanols Using Mechanochemistry. Synlett, 0, , .	1.0	1
520	Evolution and Future of Heteroâ€•and Hydroâ€Trifluoromethylations of Unsaturated Câ^'C Bonds. Advanced Synthesis and Catalysis, 2023, 365, 398-462.	2.1	14
521	Enhanced Antibacterial Activity of Substituted Derivatives of NCR169C Peptide. International Journal of Molecular Sciences, 2023, 24, 2694.	1.8	2
522	Amide-Ligand-Promoted Silver-Catalyzed Câ€“H Fluorination via Radical/Polar Crossover. Journal of Organic Chemistry, 2023, 88, 1865-1874.	1.7	4
523	Discovery of fluorinated 2â€Styryl 4(3H)-quinazolinone as potential therapeutic hit for oral cancer. Bioorganic and Medicinal Chemistry, 2023, 81, 117193.	1.4	1
524	Photocatalytic reactions of fluoroalkyl iodides with alkenes. Russian Chemical Bulletin, 2023, 72, 61-72.	0.4	4
525	Exploring F/CF₃ substituted oxocarbenium ions for the diastereoselective assembly of highly substituted tetrahydrofurans. Chemical Communications, 2023, 59, 4083-4086.	2.2	0

#	Article	IF	Citations
526	Mammalian toxicity of trifluoroacetate and assessment of human health risks due to environmental exposures. Archives of Toxicology, 2023, 97, 1069-1077.	1.9	6
527	3-(4-Fluorophenyl)-1-(1-(4-Fluorophenyl)-3,3,3-Trifluoroprop-1-en-1-yl)-5-fluoro-1H-pyrazole. MolBank, 2023, 2023, M1620.	0.2	0
528	Organocatalytic Synthesis of Chiral Halogenated Compounds. Chemical Record, 2023, 23, .	2.9	3
529	Diastereoselective addition of 2-alkoxy-2-fluoroacetate to N-(tertâ€butylsulfinyl)imines: Synthesis of Î±-alkoxy-Î±-fluoro-Î²-amino acids. Journal of Fluorine Chemistry, 2023, 268, 110118.	0.9	0
530	Assessing the environmental occurrence of the anthropogenic contaminant trifluoroacetic acid (TFA). Current Opinion in Green and Sustainable Chemistry, 2023, 41, 100807.	3.2	5
531	Development of Electrophilic Radical Perfluoroalkylation of Electronâ€Deficient Olefins. Chemical Record, 2023, 23, .	2.9	2
532	Interaction between Divalent Copper Fluoride and Carboxamide Group Enabling Stereoretentive Fluorination of Tertiary Alkyl Halides. Angewandte Chemie - International Edition, 2023, 62, .	7.2	3
533	Rhodium-Catalyzed Intramolecular Cyclopropanation of Trifluoromethyl- and Pentafluorosulfanyl-Substituted Allylic Cyanodiazoacetates. Organic Letters, 2023, 25, 2487-2491.	2.4	3
534	Transition-metal-catalyzed Câ€“H bond activation as a sustainable strategy for the synthesis of fluorinated molecules: an overview. Beilstein Journal of Organic Chemistry, 0, 19, 448-473.	1.3	3
535	Novel fluorocurcuminoid-BF2 complexes and their unlocked counterparts as potential bladder anticancer agents â€“ synthesis, physicochemical characterization, and in vitro anticancer activity. Journal of Molecular Structure, 2023, 1283, 135269.	1.8	1
536	Merging Copper(I) Photoredox Catalysis and Iodine(III) Chemistry for the Oxyâ€monofluoromethylation of Alkenes. Angewandte Chemie, 2023, 135, .	1.6	0
537	Merging Copper(I) Photoredox Catalysis and Iodine(III) Chemistry for the Oxyâ€monofluoromethylation of Alkenes. Angewandte Chemie - International Edition, 2023, 62, .	7.2	8
538	Synthesis and characterisation of new antimalarial fluorinated triazolopyrazine compounds. Beilstein Journal of Organic Chemistry, 0, 19, 107-114.	1.3	0
539	Fluorinated Vinyl Sulfonium Salts and Their Synthetic Utilization. Chemical Record, 2023, 23, .	2.9	0
540	Reductive Cleavage of C(sp²)â€“CF₃ Bonds in Trifluoromethylpyridines. Organic Letters, 2023, 25, 1030-1034.	2.4	1
541	Fluorine-selective post-plasma chemical ionization for enhanced elemental detection of fluorochemicals. Journal of Analytical Atomic Spectrometry, 2023, 38, 854-864.	1.6	2
542	2-Fluoroenones via an Umpolung Moritaâ€“Baylisâ€“Hillman Reaction of Enones. Organic Letters, 2023, 25, 1218-1222.	2.4	3
543	Synthesis of Chiral Hypervalent Trifluoromethyl Organobismuth Complexes and Enantioselective Olefin Difluorocarbenation Screenings. ChemPlusChem, 2023, 88, .	1.3	1

#	Article	IF	Citations
544	Application of chiral Betti base-copper complexes in enantioselective allylic oxidation of olefins, computational studies of the Betti bases, and docking of the resulting chiral allylic esters. Molecular Catalysis, 2023, 538, 113011.	1.0	2
545	Trifluoromethyl Vinamidinium Salt as a Promising Precursor for Fused Î²-Trifluoromethyl Pyridines. Journal of Organic Chemistry, 2023, 88, 2961-2972.	1.7	4
546	The Impact of Fluorination on the Design of Histone Deacetylase Inhibitors. Molecules, 2023, 28, 1973.	1.7	4
547	Aminals as powerful XAT-reagents: activation of fluorinated alkyl chlorides. Chemical Science, 2023, 14, 3229-3234.	3.7	7
548	Identification of SARS-CoV-2 Mpro inhibitors containing P1â€™ 4-fluorobenzothiazole moiety highly active against SARS-CoV-2. Nature Communications, 2023, 14, .	5.8	9
549	Stereoselective synthesis of CF₃-containing spirocyclic-oxindoles using N-2,2,2-trifluoroethylisatin ketimines: an update. RSC Advances, 2023, 13, 7063-7075.	1.7	5
550	Synthesis and Antimicrobial Activity of Carbene Complexesof the Imidazole, Benzimidazole and 1,2,4â€Triazole Series. ChemistrySelect, 2023, 8, .	0.7	2
551	eFluorination Using Cheap and Readily Available Tetrafluoroborate Salts. Organic Letters, 2023, 25, 1353-1358.	2.4	10
552	Electrochemical Difluoromethylation of Electron-Rich Olefins. Organic Letters, 2023, 25, 1678-1682.	2.4	8
553	Î±,Î²-Unsaturated CF3-ketones via secondary amine salts-catalyzed aldol condensation of 1,1,1-trufluoroacetone with aromatic and heteroaromatic aldehydes. Journal of Fluorine Chemistry, 2023, 267, 110108.	0.9	0
554	Construction of CF₃-containing Tetrasubstituted Carbon Frameworks by Way of <i>p</i>-Quinone Methides. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2023, 81, 255-266.	0.0	0
555	Visible-Light-Induced Monofluoroalkenylation and gem-Difluoroallylation of Inactivated C(sp³)â€“H Bonds via 1,5-Hydrogen Atom Transfer (HAT). Journal of Organic Chemistry, 2023, 88, 3883-3896.	1.7	3
556	Catalytic Homologationâ€Allylboration Sequence for Diastereoâ€•and Enantioselective Synthesis of Densely Functionalized Î²â€Fluorohydrins with Tertiary Fluoride Stereocenters. Angewandte Chemie, 2023, 135, .	1.6	0
557	Catalytic Homologationâ€Allylboration Sequence for Diastereoâ€•and Enantioselective Synthesis of Densely Functionalized Î²â€Fluorohydrins with Tertiary Fluoride Stereocenters. Angewandte Chemie - International Edition, 2023, 62, .	7.2	7
558	Regioâ€•and Stereoselective Hydroelementation of SF₅â€Alkynes and Further Functionalizations.. Angewandte Chemie, 2023, 135, .	1.6	0
559	Regioâ€•and Stereoselective Hydroelementation of SF₅â€Alkynes and Further Functionalizations.. Angewandte Chemie - International Edition, 2023, 62, .	7.2	12
560	Rapid Generation of P(V)â€“F Bonds Through the Use of Sulfone Iminium Fluoride Reagents. Organic Letters, 2023, 25, 1834-1838.	2.4	2
561	Benchtop ¹⁹F Nuclear Magnetic Resonance (NMR) Spectroscopy Provides Mechanistic Insight into the Biginelli Condensation toward the Chemical Synthesis of Novel Trifluorinated Dihydro- and Tetrahydropyrimidinones as Antiproliferative Agents. ACS Omega, 2023, 8, 10545-10554.	1.6	2

#	Article	IF	Citations
562	Nickel-Catalyzed Multicomponent Carbodifluoroalkylation of Electron-Deficient Alkenes. ACS Catalysis, 2023, 13, 4111-4119.	5.5	14
564	Dehydroxylative Sulfonylation of Alcohols. Journal of Organic Chemistry, 2023, 88, 4818-4828.	1.7	2
565	Novel N(SCF₃)(CF₃)-amines: synthesis, scalability and stability. Chemical Science, 2023, 14, 3893-3898.	3.7	7
566	Deâ€Risking Sâ€F Bond Formation: A Gas Cylinderâ€Free Strategy to Access S(IV) and S(VI) Fluorinated Compounds**. Chemistry - A European Journal, 2023, 29, .	1.7	2
567	N-Trifluoromethoxyphthalimide: A Shelf-Stable Reagent for Nucleophilic Trifluoromethoxylation. Journal of Organic Chemistry, 2023, 88, 4434-4441.	1.7	6
568	Synthesis of Fluoroalkylated Pyrrolidines through Neat Reaction of Fluoroalkyl Iodides with N,Nâ€Diallylamines. Advanced Synthesis and Catalysis, 2023, 365, 3063-3068.	2.1	2
569	Tuning the Chiral Structures from Selfâ€Assembled Carbohydrate Derivatives. Small, 2023, 19, .	5.2	2
570	Synthesis of Fluorinated Hydrazinylthiazole Derivatives: A Virtual and Experimental Approach to Diabetes Management. ACS Omega, 2023, 8, 11433-11446.	1.6	2
571	Interaction between Divalent Copper Fluoride and Carboxamide Group Enabling Stereoretentive Fluorination of Tertiary Alkyl Halides. Angewandte Chemie, 2023, 135, .	1.6	1
572	Catalytic enantioselective synthesis of chiral sulfonium ylides with S-stereogenic center. CheM, 2023, 9, 1495-1504.	5.8	6
573	Synthesis of triarylmethanes by silyl radical-mediated cross-coupling of aryl fluorides and arylmethanes. Chemical Science, 2023, 14, 4248-4256.	3.7	5
574	Synthesis of Selectively gemâ€Difluorinated Molecules; Chiral gemâ€Difluorocyclopropanes via Chemoâ€Enzymatic Reaction and gemâ€Difluorinated Compounds via Radical Reaction. Chemical Record, 2023, 23, .	2.9	3
575	PFAS: forever chemicalsâ€”persistent, bioaccumulative and mobile. Reviewing the status and the need for their phase out and remediation of contaminated sites. Environmental Sciences Europe, 2023, 35, .	11.0	25
576	Enantioselective and stereodivergent hydromonofluoroalkylation of conjugated and remote dienes. Chinese Chemical Letters, 2023, 34, 108371.	4.8	9
577	Defluorinative alkylation of 1-trifluoromethyl alkenes with alkyl radicals derived from visible light-induced deoxygenation of xanthate salts: synthesis of gem-difluoroalkenes. Organic and Biomolecular Chemistry, 2023, 21, 3330-3334.	1.5	2
578	Wavelength-Dependent UV-LED Photolysis of Fluorinated Pesticides and Pharmaceuticals. Environmental Science & Technology, 2023, 57, 5327-5336.	4.6	6
579	Applications of Bioisosteres in the Design of Biologically Active Compounds. Journal of Agricultural and Food Chemistry, 2023, 71, 18087-18122.	2.4	16
580	Palladium-Catalyzed Stereoselective Defluorosilylation of gem-Difluoroalkenes for the Synthesis of Tetrasubstituted Monofluorinated Vinylsilanes. Organic Letters, 2023, 25, 2333-2337.	2.4	5

#	Article	IF	Citations
581	Synthesis of Chiral 1,1,1-Trifluoro-Î±,Î±-disubstituted 2,4-Diketones via Palladium-Catalyzed Asymmetric Allylation. Organic Letters, 2023, 25, 2388-2393.	2.4	3
582	Synthesis of fluorinated pyrrolizidine, indolizidine and quinolizidine derivatives. Ukrainica Bioorganica Acta, 2022, 17, 22-39.	0.1	2
583	Indium mediated barbier-type allylation: Synthesis of highly functionalized homoallylic difluorohydrins. Tetrahedron, 2023, 140, 133385.	1.0	3
584	Metal- and light-free approach to polyheterocycles via a quinone-Cs2CO3 couple promoted regioselective cascade radical cyclization. Green Synthesis and Catalysis, 2023, , .	3.7	0
585	Transition-metal-free silylboronate-mediated cross-couplings of organic fluorides with amines. Nature Communications, 2023, 14, .	5.8	5
586	â€œMagic Chloroâ€• Profound Effects of the Chlorine Atom in Drug Discovery. Journal of Medicinal Chemistry, 2023, 66, 5305-5331.	2.9	29
587	Synthesis and Cytotoxic Evaluation of New Fluoro and Trifluoromethyl Substituents Containing Chromeno[2,3â€‹d]pyrimidines. ChemistrySelect, 2023, 8, .	0.7	4
588	An update on chiral phosphoric acid organocatalyzed stereoselective reactions. Organic and Biomolecular Chemistry, 2023, 21, 3477-3502.	1.5	12
589	Reactions Using Freons and Halothane as Halofluoroalkyl/Halofluoroalkenyl Building Blocks. Chemical Record, 0, , .	2.9	0
590	Visibleâ€‹Light Promoted Radical Fluoroalkylation of Oâ€•and Nâ€‹Substituted Alkenes. Chemical Record, 2023, 23, .	2.9	2
591	Cascade Oxidative Trifluoromethylthiolation and Cyclization of 3-Alkyl-1-(2-(alkynyl)phenyl)indoles. Journal of Organic Chemistry, 2023, 88, 5403-5419.	1.7	3
592	Carbofluorination of Ï€â€‹Bonds and Related Reactions Involving Tandem Câ€“C/Câ€“F Bond Formation. European Journal of Organic Chemistry, 0, , .	1.2	1
593	Benchtop 19F nuclear magnetic resonance spectroscopy enabled kinetic studies and optimization of the synthesis of carmofur. Canadian Journal of Chemistry, 0, , .	0.6	0
594	Expanding Reaction Profile of Allyl Carboxylates via 1,2-Radical Migration (RaM): Visible-Light-Induced Phosphine-Catalyzed 1,3-Carbobromination of Allyl Carboxylates. Journal of the American Chemical Society, 0, , .	6.6	2
595	Dual Photoredox/Copper Catalyzed Fluoroalkylative Alkene Difunctionalization. Journal of Organic Chemistry, 2023, 88, 6252-6262.	1.7	3
596	Fluorine-a small magic bullet atom in the drug development: perspective to FDA approved and COVID-19 recommended drugs. Chemical Papers, 2023, 77, 4085-4106.	1.0	13
597	Photoinduced Cascade Difluoroalkylative Ring-Opening of Vinyl Cyclopropanes. Organic Letters, 2023, 25, 2857-2862.	2.4	7
599	Crossâ€•and Multiâ€‹Coupling Reactions Using Monofluoroalkanes. Chemical Record, 0, , .	2.9	1

#	Article	IF	Citations
600	Recent advances in ionic liquid mediated selective fluorination of organic compounds. Journal of Fluorine Chemistry, 2023, 268, 110133.	0.9	0
601	Stereospecific Dehydroxytrifluoromethylthiolation of Alcohols Promoted by a Combination of Hypervalent Trifluoromethylthio-iodine(III) Reagent and N-Heterocyclic Carbene. Organic Letters, 2023, 25, 2964-2969.	2.4	1
602	Engineering the Substrate Specificity of a P450 Dimerase Enables the Collective Biosynthesis of Heterodimeric Tryptophanâ€Containing Diketopiperazines. Angewandte Chemie, 2023, 135, .	1.6	0
603	Engineering the Substrate Specificity of a P450 Dimerase Enables the Collective Biosynthesis of Heterodimeric Tryptophanâ€Containing Diketopiperazines. Angewandte Chemie - International Edition, 2023, 62, .	7.2	3
604	Rutheniumâ€Catalyzed Remote Difunctionalization of Nonactivated Alkenes for Double metaâ€C(sp²)â^'H/Câ€6(sp³)â^'H Functionalization. Angewandte Chemie - International Edition, 2023, 62, .	7.2	4
605	Rutheniumâ€katalysierte entfernte Difunktionalisierung nichtâ€aktivierter Alkene fÃ¼r die doppelte metaâ€C(sp²)â^'H/Câ€6(sp³)â^'Hâ€Funktionalisierung. Angewandte Chemie, 2023, 135, .	2.6	0
608	Stereospecific Transformations of Alkylboronic Esters Enabled by Direct Boron-to-Zinc Transmetalation. Journal of the American Chemical Society, 2023, 145, 9976-9981.	6.6	4
616	Strategies for Nucleophilic C(sp³)â€"(Radio)Fluorination. Journal of the American Chemical Society, 2023, 145, 9928-9950.	6.6	19
625	BF₃-Catalyzed Intramolecular Fluorocarbamoylation of Alkynes via Halide Recycling. Journal of the American Chemical Society, 2023, 145, 11012-11018.	6.6	16
633	Palladium-Catalyzed Stereoselective Defluoroborylation of gem-Difluoroalkenes with Unsymmetrical Diboron: Access to Tetrasubstituted Monofluorinated Vinylâ€"B(dan) Derivatives. Organic Letters, 2023, 25, 4406-4410.	2.4	1
639	Copper Catalyzed Defluoroarylation of gem-Difluoroallenes to Allenyl Monofluorides with Aryl Boronic Esters. Organic Letters, 2023, 25, 4546-4550.	2.4	2
641	Photoredox-Catalyzed N-Directed Regioselective Difluoroalkylation of Unactivated C(sp³)â€"H Bonds. Organic Letters, 2023, 25, 4456-4461.	2.4	2
646	Future challenges and opportunities with fluorine in drugs?. Medicinal Chemistry Research, 2023, 32, 1231-1234.	1.1	1
663	Electrochemical Câ€"F bond activation of trifluoromethylarenes using silylium ions. Chemical Communications, 2023, 59, 6694-6697.	2.2	6
670	Ruthenium-Catalyzed Ligand-Enabled Regiodivergent Difluoroallylation of Aryl Câ€"H Bonds. Organic Letters, 2023, 25, 3870-3875.	2.4	2
674	Copper-Catalyzed Asymmetric Propargylic Substitution of 2,2,2-Trifluoroethyl-isoxazoles with Propargylic Alcohol Derivatives. Organic Letters, 2023, 25, 4666-4671.	2.4	0
681	Enantioselective Transformations in the Synthesis of Therapeutic Agents. Chemical Reviews, 2023, 123, 9397-9446.	23.0	7
728	Recent progress on radiofluorination using metals: strategies for generation of Câ€"¹⁸F bonds. Organic Chemistry Frontiers, 0, , .	2.3	0

#	Article	IF	Citations
731	Lighting up spin systems: enhancing characteristic ¹H signal patterns of fluorinated molecules. Chemical Communications, 2023, 59, 11692-11695.	2.2	0
743	Formal (4+2) cycloaddition of azoalkenes with trifluoromethylimidoyl sulfoxonium ylides: synthesis of trifluoromethyl pyridazine derivatives. Chemical Communications, 2023, 59, 12495-12498.	2.2	0
756	The wide presence of fluorinated compounds in common chemical products and the environment: a review. Environmental Science and Pollution Research, 0, , .	2.7	0
783	Catalyst- and additive-free cascade radical addition/cyclization of N-arylacrylamides with trifluoropyruvates. Chemical Communications, 2023, 59, 13462-13465.	2.2	4
794	Direct arene trifluoromethylation enabled by promiscuous activity of fungal laccase. Organic and Biomolecular Chemistry, 2023, 21, 8975-8978.	1.5	1
821	Iodonium based regioselective double nucleophilic alkene functionalization of hydrofluoroolefin scaffold. Chemical Communications, 0, , .	2.2	0
822	Palladium-catalyzed carbomonofluoromethylation of unactivated alkenes: a rapid access to Î³-monofluromethyl carboxylic acid derivatives. Chemical Communications, 0, , .	2.2	0
828	Harnessing Photocatalytic and Electrochemical Approaches for C-H Bond Trifluoromethylation and Fluoroalkylation. Organic Chemistry Frontiers, 0, , .	2.3	0
856	Direct fluoride monitoring using a fluorogenic RNA-based biosensor. Methods in Enzymology, 2024, , 85-107.	0.4	0
870	Visible light-promoted difluoromethylthiolation of cycloalkanols by Câ€“C bond cleavage. Organic and Biomolecular Chemistry, 2024, 22, 1782-1787.	1.5	0
893	The Importance of NMR as a Discovery Tool. , 2024, , 10-56.		0
897	Ecotoxicology and health risk assessment due to pharmaceuticals and personal care products in different environmental grids. , 2024, , 55-80.		0
898	Biotransformation of fluorinated drugs and xenobiotics by the model fungus Cunninghamella elegans. Methods in Enzymology, 2024, , 251-285.	0.4	0