Sulfur(VI) Fluoride Exchange (SuFEx): Another Good Re

Angewandte Chemie - International Edition
53, 9430-9448
DOI: 10.1002/anie.201309399

Citation Report

#	Article	IF	Citations
3	Nâ€Heterocyclic Carbene Catalyzed Synthesis of Î´â€Sultones via Î±,Î²â€Unsaturated Sulfonyl Azolium Intermediates. Angewandte Chemie - International Edition, 2015, 54, 11780-11784.	7.2	60
4	SuFEx on the Surface: A Flexible Platform for Postpolymerization Modification of Polymer Brushes. Angewandte Chemie - International Edition, 2015, 54, 13370-13373.	7.2	99
7	Gesellschaft Deutscher Chemiker Awards: Adolf von Baeyer Memorial Medal for Carsten Bolm / WÃ¶hler Prize for Sustainable Chemistry to Matthias Beller / Karl Ziegler Prize for Helmut Schwarz / Honorary Membership for Henning Hopf / August Wilhelm von Hofmann Lectureship for K.â€…Barry Sharpless / Wilhelm Klemm Prize for Thomasâ€…F. FÃssler / Heinz Schmidkunz Prize for Michael Tausch / Arfvedsonâ€“Schlenk Prize for Clareâ€…P. Grey / Dr. Hermann Schnell Fellowship for Jiayin Yuan / Fresenius Prize for Renato Zenobi / V. Angewandte Chemie - International Edition, 2015, 54, 10068-10071.	7.2	0
8	Recent Advances in Click Chemistry Applied to Dendrimer Synthesis. Molecules, 2015, 20, 9263-9294.	1.7	112
9	Covalent Molecular Probes for Class A G Protein-Coupled Receptors: Advances and Applications. ACS Chemical Biology, 2015, 10, 1376-1386.	1.6	53
10	Transition-metal-free persulfuration to construct unsymmetrical disulfides and mechanistic study of the sulfur redox process. Chemical Communications, 2015, 51, 4208-4211.	2.2	90
11	Lateâ€Stage Fluorination: Fancy Novelty or Useful Tool?. Angewandte Chemie - International Edition, 2015, 54, 3216-3221.	7.2	219
12	Rational Targeting of Active-Site Tyrosine Residues Using Sulfonyl Fluoride Probes. ACS Chemical Biology, 2015, 10, 1094-1098.	1.6	153
14	Sulfonyl fluorides as privileged warheads in chemical biology. Chemical Science, 2015, 6, 2650-2659.	3.7	383
15	Nickel- and Palladium-Catalyzed Coupling of Aryl Fluorosulfonates with Aryl Boronic Acids Enabled by Sulfuryl Fluoride. ACS Catalysis, 2015, 5, 5041-5046.	5.5	78
16	PyFluor: A Low-Cost, Stable, and Selective Deoxyfluorination Reagent. Journal of the American Chemical Society, 2015, 137, 9571-9574.	6.6	222
17	Development and Application of O-(Trimethylsilyl)aryl Fluorosulfates for the Synthesis of Arynes. Journal of Organic Chemistry, 2015, 80, 6890-6896.	1.7	37
18	An efficient click-multicomponent strategy for the diversity oriented synthesis of 15â€“18 membered macrocyclic peptidomimetic fluorophores. Tetrahedron Letters, 2015, 56, 2451-2455.	0.7	6
19	Cell permeable affinity- and activity-based probes. Future Medicinal Chemistry, 2015, 7, 2131-2141.	1.1	23
20	Combination of AGET ATRP and SuFEx for post-polymerization chain-end modifications. Polymer, 2015, 78, 37-41.	1.8	41
21	Selective Access to Heterocyclic Sulfonamides and Sulfonyl Fluorides via a Parallel Medicinal Chemistry Enabled Method. ACS Combinatorial Science, 2015, 17, 653-657.	3.8	20
22	Click chemistry patents and their impact on drug discovery and chemical biology. Pharmaceutical Patent Analyst, 2015, 4, 109-119.	0.4	6
23	Direct introduction of R-SO2F moieties into proteins and protein-polymer conjugation using SuFEx chemistry. Polymer, 2016, 99, 7-12.	1.8	35

#	Article	IF	Citations
24	General Cycloaddition Between a Trimethylsilylâ€Capped Alkyne and an Nâ€Heterocyclic Carbeneâ€Copper Complex and Pyridineâ€Biscarboxamide. Advanced Synthesis and Catalysis, 2016, 358, 1736-1740.	2.1	9
25	Ethenesulfonyl Fluoride: The Most Perfect Michael Acceptor Ever Found?. Angewandte Chemie - International Edition, 2016, 55, 12664-12667.	7.2	81
26	Ethensulfonylfluorid: der beste je entdeckte Michaelâ€Akzeptor?. Angewandte Chemie, 2016, 128, 12854-12858.	1.6	19
27	Proteasome inhibition by new dual warhead containing peptido vinyl sulfonyl fluorides. Bioorganic and Medicinal Chemistry, 2016, 24, 3429-3435.	1.4	39
28	Cellular thermal shift and clickable chemical probe assays for the determination of drug-target engagement in live cells. Organic and Biomolecular Chemistry, 2016, 14, 6179-6183.	1.5	22
29	Arylfluorosulfates Inactivate Intracellular Lipid Binding Protein(s) through Chemoselective SuFEx Reaction with a Binding Site Tyr Residue. Journal of the American Chemical Society, 2016, 138, 7353-7364.	6.6	212
30	Palladium- and Nickel-Catalyzed Amination of Aryl Fluorosulfonates. ACS Catalysis, 2016, 6, 3515-3519.	5.5	77
31	Patent highlights: December 2015â€“January 2016. Pharmaceutical Patent Analyst, 2016, 5, 147-153.	0.4	0
32	A Heckâ€“Matsuda Process for the Synthesis of Î²â€Arylethenesulfonyl Fluorides: Selectively Addressable Bisâ€electrophiles for SuFEx Click Chemistry. Angewandte Chemie, 2016, 128, 14361-14364.	1.6	46
33	A Heckâ€“Matsuda Process for the Synthesis of Î²â€Arylethenesulfonyl Fluorides: Selectively Addressable Bisâ€electrophiles for SuFEx Click Chemistry. Angewandte Chemie - International Edition, 2016, 55, 14155-14158.	7.2	151
34	Chemoselective Preparation of Clickable Aryl Sulfonyl Fluoride Monomers: A Toolbox of Highly Functionalized Intermediates for Chemical Biology Probe Synthesis. ChemBioChem, 2016, 17, 1925-1930.	1.3	47
35	SuFEx Click: New Materials from SO x F and Silyl Ethers. Chemistry - A European Journal, 2016, 22, 16348-16354.	1.7	50
36	A Click Ligation Based on SuFEx for the Metalâ€Free Synthesis of Sugar and Iminosugar Clusters. European Journal of Organic Chemistry, 2016, 2016, 5102-5116.	1.2	35
37	Discovery of novel anti-HIV agents via Cu(I)-catalyzed azide-alkyne cycloaddition (CuAAC) click chemistry-based approach. Expert Opinion on Drug Discovery, 2016, 11, 857-871.	2.5	39
38	Reaction of Alkyl Halides with Rongalite: One-Pot and Telescoped Syntheses of Aliphatic Sulfonamides, Sulfonyl Fluorides, and Unsymmetrical Sulfones. Organic Letters, 2016, 18, 5848-5851.	2.4	84
39	Ethenesulfonyl Fluoride (ESF): An On-Water Procedure for the Kilogram-Scale Preparation. Journal of Organic Chemistry, 2016, 81, 11360-11362.	1.7	82
40	Synthesis of Sulfotyrosineâ€Containing Peptides by Incorporating Fluorosulfated Tyrosine Using an Fmocâ€Based Solidâ€Phase Strategy. Angewandte Chemie, 2016, 128, 1867-1870.	1.6	17
41	Synthesis of Sulfotyrosineâ€Containing Peptides by Incorporating Fluorosulfated Tyrosine Using an Fmocâ€Based Solidâ€Phase Strategy. Angewandte Chemie - International Edition, 2016, 55, 1835-1838.	7.2	43

#	Article	IF	Citations
42	Selective and Orthogonal Post-Polymerization Modification using Sulfur(VI) Fluoride Exchange (SuFEx) and Copper-Catalyzed Azideâ€“Alkyne Cycloaddition (CuAAC) Reactions. Macromolecules, 2016, 49, 4473-4479.	2.2	92
43	Multifunctional Surface Manipulation Using Orthogonal Click Chemistry. Langmuir, 2016, 32, 6600-6605.	1.6	45
44	Electrophilic, Activation-Free Fluorogenic Reagent for Labeling Bioactive Amines. Bioconjugate Chemistry, 2016, 27, 1430-1434.	1.8	22
45	Chemoselective Synthesis of Polysubstituted Pyridines from Heteroaryl Fluorosulfates. Chemistry - A European Journal, 2016, 22, 5692-5697.	1.7	72
46	Proximity-enabled bioreactivity to generate covalent peptide inhibitors of p53â€“Mdm4. Chemical Communications, 2016, 52, 5140-5143.	2.2	62
47	On-Water Synthesis of Biaryl Sulfonyl Fluorides. Journal of Organic Chemistry, 2016, 81, 2618-2623.	1.7	49
48	Rational design of a water-soluble, lipid-compatible fluorescent probe for Cu(<scp>i</scp>) with sub-part-per-trillion sensitivity. Chemical Science, 2016, 7, 1468-1473.	3.7	27
49	Discovery of bioactive molecules from CuAAC click-chemistry-based combinatorial libraries. Drug Discovery Today, 2016, 21, 118-132.	3.2	138
50	Nucleophilic Deoxyfluorination of Phenols via Aryl Fluorosulfonate Intermediates. Journal of the American Chemical Society, 2017, 139, 1452-1455.	6.6	174
51	SuFEx: a metal-free click ligation for multivalent biomolecules. Organic and Biomolecular Chemistry, 2017, 15, 1549-1553.	1.5	40
52	A Synthesis of â€œDual Warheadâ€•Î²-Aryl Ethenesulfonyl Fluorides and One-Pot Reaction to Î²-Sultams. Organic Letters, 2017, 19, 480-483.	2.4	91
53	Pd-Catalyzed Conversion of Aryl Iodides to Sulfonyl Fluorides Using SO₂ Surrogate DABSO and Selectfluor. Journal of Organic Chemistry, 2017, 82, 2294-2299.	1.7	152
54	Click Reaction Based on the Biosynthesis of Firefly Luciferin. Chemistry Letters, 2017, 46, 753-755.	0.7	7
55	Copper(<scp>i</scp>)-catalyzed sulfonylative Suzukiâ€“Miyaura cross-coupling. Chemical Science, 2017, 8, 3249-3253.	3.7	127
56	Multidimensional SuFEx Click Chemistry: Sequential Sulfur(VI) Fluoride Exchange Connections of Diverse Modules Launched From An SOF₄ Hub. Angewandte Chemie - International Edition, 2017, 56, 2903-2908.	7.2	136
57	A facile and mild Pd-catalyzed one-pot process for direct hydrodeoxygenation (HDO) phenols to arenes through a ArOSO 2 F intermediates transformation. Tetrahedron Letters, 2017, 58, 2340-2343.	0.7	42
58	Bifluoride-catalysed sulfur(VI) fluoride exchange reaction for the synthesis of polysulfates and polysulfonates. Nature Chemistry, 2017, 9, 1083-1088.	6.6	222
59	SuFExâ€Based Polysulfonate Formation from Ethenesulfonyl Fluorideâ€“Amine Adducts. Angewandte Chemie - International Edition, 2017, 56, 11203-11208.	7.2	123

#	Article	IF	Citations
60	SuFExâ€Based Polysulfonate Formation from Ethenesulfonyl Fluorideâ€“Amine Adducts. Angewandte Chemie, 2017, 129, 11355-11360.	1.6	34
61	Sulfurâ€“Fluoride Exchange (SuFEx)â€Mediated Synthesis of Sterically Hindered and Electronâ€Deficient Secondary and Tertiary Amides via Acyl Fluoride Intermediates. Chemistry - A European Journal, 2017, 23, 9990-9995.	1.7	37
62	Multidimensional SuFEx Click Chemistry: Sequential Sulfur(VI) Fluoride Exchange Connections of Diverse Modules Launched From An SOF₄ Hub. Angewandte Chemie, 2017, 129, 2949-2954.	1.6	50
63	Aryl Fluorosulfate Trapped Staudinger Reduction. Organic Letters, 2017, 19, 1582-1585.	2.4	21
64	Palladiumâ€Catalyzed Fluorosulfonylvinylation of Organic Iodides. Angewandte Chemie - International Edition, 2017, 56, 4849-4852.	7.2	95
65	Palladiumâ€Catalyzed Fluorosulfonylvinylation of Organic Iodides. Angewandte Chemie, 2017, 129, 4927-4930.	1.6	31
66	Pd(PPh₃)₄â€Catalyzed Buchwaldâ€“Hartwig Amination ofAryl Fluorosulfonates with Aryl Amines. Asian Journal of Organic Chemistry, 2017, 6, 1222-1225.	1.3	22
67	Broad-Spectrum Kinase Profiling in Live Cells with Lysine-Targeted Sulfonyl Fluoride Probes. Journal of the American Chemical Society, 2017, 139, 680-685.	6.6	256
68	Trifluoromethylfluorosulfonylation of Unactivated Alkenes Using Readily Available Ag(O₂CCF₂SO₂F) and Nâ€Fluorobenzenesulfonimide. Angewandte Chemie - International Edition, 2017, 56, 15432-15435.	7.2	63
69	Design, synthesis, and biological evaluation of hydantoin bridged analogues of combretastatin A-4 as potential anticancer agents. Bioorganic and Medicinal Chemistry, 2017, 25, 6623-6634.	1.4	27
70	Trifluoromethylfluorosulfonylation of Unactivated Alkenes Using Readily Available Ag(O₂CCF₂SO₂F) and Nâ€Fluorobenzenesulfonimide. Angewandte Chemie, 2017, 129, 15634-15637.	1.6	19
71	Click-on fluorescent triazolyl coumarin peptidomimetics as inhibitors of human breast cancer cell line MCF-7. New Journal of Chemistry, 2017, 41, 13483-13489.	1.4	17
72	SuFEx â€“ a selectively triggered chemistry for fast, efficient and equimolar polymerâ€“polymer coupling reactions. Polymer Chemistry, 2017, 8, 7475-7485.	1.9	27
73	A study of the reactivity of S^(VI)â€“F containing warheads with nucleophilic amino-acid side chains under physiological conditions. Organic and Biomolecular Chemistry, 2017, 15, 9685-9695.	1.5	101
74	Lysineâ€Targeting Covalent Inhibitors. Angewandte Chemie - International Edition, 2017, 56, 15200-15209.	7.2	147
75	Auf Lysin zielende, kovalente Inhibitoren. Angewandte Chemie, 2017, 129, 15398-15408.	1.6	22
76	Ex Situ Generation of Sulfuryl Fluoride for the Synthesis of Aryl Fluorosulfates. Organic Letters, 2017, 19, 5244-5247.	2.4	83
77	Fabrication of Photocontrolled Surfaces for Oil/Water Separation through Sulfur(VI) Fluoride Exchange. Chemistry - A European Journal, 2017, 23, 14712-14717.	1.7	25

#	Article	IF	Citations
78	Covalent Enzyme Inhibition through Fluorosulfate Modification of a Noncatalytic Serine Residue. ACS Chemical Biology, 2017, 12, 2015-2020.	1.6	96
79	Synthesis of a Class of Fused Î´â€Sultone Heterocycles via DBUâ€Catalyzed Direct Annulative SuFEx Click of Ethenesulfonyl Fluorides and Pyrazolones or 1,3â€Dicarbonyl Compounds. Advanced Synthesis and Catalysis, 2017, 359, 3254-3260.	2.1	36
80	SO₂F₂â€Mediated Oneâ€Pot Synthesis of Aryl Carboxylic Acids and Esters from Phenols through a Pdâ€Catalyzed Insertion of Carbon Monoxide. Chemistry - an Asian Journal, 2017, 12, 2323-2331.	1.7	39
81	Superelectrophilicity in Michael-Type Reactions: Water Addition to 4-Nitrobenzodifuroxan. Synthesis, 2017, 49, 3453-3459.	1.2	1
82	Mechanistic applications of click chemistry for pharmaceutical drug discovery and drug delivery. Drug Discovery Today, 2017, 22, 1604-1619.	3.2	70
83	Gramâ€Scale Synthesis of Î²â€(Hetero)arylethenesulfonyl Fluorides via a Pd(OAc)₂ Catalyzed Oxidative Heck Process with DDQ or AgNO₃ as an Oxidant. Advanced Synthesis and Catalysis, 2017, 359, 3237-3242.	2.1	55
84	Potential peptidic proteasome inhibitors by incorporation of an electrophilic trap based on amino acid derived Î±-substituted sulfonyl fluorides. Bioorganic and Medicinal Chemistry, 2017, 25, 5055-5063.	1.4	16
85	Crystal structure of methyl 1-(2-(fluorosulfonyl)ethyl)-2-oxocyclopentanecarboxylate, C9H13FO5S. Zeitschrift Fur Kristallographie - New Crystal Structures, 2017, 232, 697-698.	0.1	0
86	Ru/Ni Dual Catalytic Desulfinative Photoredox C_{sp²}â€“C_{sp³} Cross-Coupling of Alkyl Sulfinate Salts and Aryl Halides. Organic Letters, 2017, 19, 6566-6569.	2.4	63
87	50th Anniversary Perspective: Polymer Functionalization. Macromolecules, 2017, 50, 5215-5252.	2.2	318
88	Recent progress on fluorination in aqueous media. Green Chemistry, 2017, 19, 3951-3992.	4.6	70
89	Benzothiazole Sulfinate: A Sulfinic Acid Transfer Reagent under Oxidation-Free Conditions. Organic Letters, 2017, 19, 3819-3822.	2.4	44
90	Reengineering Antibiotics to Combat Bacterial Resistance: Click Chemistry [1,2,3]â€Triazole Vancomycin Dimers with Potent Activity against MRSA and VRE. Chemistry - A European Journal, 2017, 23, 79-83.	1.7	45
91	One-pot palladium-catalyzed synthesis of sulfonyl fluorides from aryl bromides. Chemical Science, 2017, 8, 1233-1237.	3.7	172
92	Highly Efficient Chain End Derivatization of Selenol-Ended Polystyrenes by Nucleophilic Substitution Reactions. Macromolecular Chemistry and Physics, 2017, 218, 1600485.	1.1	13
93	Colorimetric Ion Sensors Based on Polystyrenes Bearing Side Chain Triazole and Donor-Acceptor Chromophores. Analytical Sciences, 2017, 33, 599-604.	0.8	12
94	Rhodium(<scp>iii</scp>)-catalyzed Oxidative Coupling of N-Methoxybenzamides and Ethenesulfonyl fluoride: a Câ€“H Bond Activation Strategy for the Preparation of 2-Aryl ethenesulfonyl fluorides and Sulfonyl fluoride Substituted Î³-Lactams. Organic Chemistry Frontiers, 2018, 5, 1411-1415.	2.3	47
95	A polyethersulfoneâ€“bisphenol sulfuric acid hollow fiber ultrafiltration membrane fabricated by a reverse thermally induced phase separation process. RSC Advances, 2018, 8, 7800-7809.	1.7	9

#	Article	IF	Citations
96	A Versatile Reagent and Method for Direct Aliphatic Sulfonylation. Advanced Synthesis and Catalysis, 2018, 360, 1768-1774.	2.1	43
97	[3+2] Cycloaddition of an Azomethyne Ylide and Vinyl Sulfonyl Fluorides â€• an Approach to Pyrrolidineâ€3â€sulfonyl Fluorides. European Journal of Organic Chemistry, 2018, 2018, 2870-2876.	1.2	25
98	ICBS 2017 in Shanghaiâ€"Illuminating Life with Chemical Innovation. ACS Chemical Biology, 2018, 13, 1111-1122.	1.6	3
99	Direct Access to Aryl Bis(trifluoromethyl)carbinols from Aryl Bromides or Fluorosulfates: Palladiumâ€Catalyzed Carbonylation. Angewandte Chemie, 2018, 130, 6974-6978.	1.6	9
100	Pd-Catalyzed one-pot dehydroxylative coupling of phenols with K₄[Fe(CN)₆] mediated by SO₂F₂: a practical method for the direct conversion of phenols to aryl nitriles. Organic Chemistry Frontiers, 2018, 5, 1835-1839.	2.3	44
101	Saturated Heterocyclic Aminosulfonyl Fluorides: New Scaffolds for Protectingâ€Groupâ€Free Synthesis of Sulfonamides. Chemistry - A European Journal, 2018, 24, 8343-8349.	1.7	19
102	Direct Access to Aryl Bis(trifluoromethyl)carbinols from Aryl Bromides or Fluorosulfates: Palladiumâ€Catalyzed Carbonylation. Angewandte Chemie - International Edition, 2018, 57, 6858-6862.	7.2	38
103	Nucleophilic Fluorination with Aqueous Bifluoride Solution: Effect of the Phase-Transfer Catalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 6693-6701.	3.2	29
104	1-Bromoethene-1-sulfonyl fluoride (1-Br-ESF), a new SuFEx clickable reagent, and its application for regioselective construction of 5-sulfonylfluoro isoxazoles. Chemical Communications, 2018, 54, 4477-4480.	2.2	66
105	Strainâ€Promoted Cycloaddition of Cyclopropenes with oâ€Quinones: A Rapid Click Reaction. Angewandte Chemie, 2018, 130, 10275-10279.	1.6	9
106	Reactive Chemical Probes: Beyond the Kinase Cysteinome. Angewandte Chemie - International Edition, 2018, 57, 9220-9223.	7.2	34
107	Reaktive chemische Sonden: Jenseits des Kinaseâ€Cysteinoms. Angewandte Chemie, 2018, 130, 9362-9365.	1.6	4
108	SuFEx Click Chemistry Enabled Late-Stage Drug Functionalization. Journal of the American Chemical Society, 2018, 140, 2919-2925.	6.6	209
109	2,4â€Thiazolidinedione as a Bioactive Linker for Ferrocenyl Sugarâ€"Triazole Conjugates: Synthesis, Characterization and Biological Properties. European Journal of Inorganic Chemistry, 2018, 2018, 1571-1580.	1.0	8
110	Highly efficient polymerization via sulfur(vi)-fluoride exchange (SuFEx): novel polysulfates bearing a pyrazolineâ€"naphthylamide conjugated moiety and their electrical memory performance. Polymer Chemistry, 2018, 9, 1040-1044.	1.9	20
111	Pdâ€Catalyzed Oneâ€Pot Dehydroxylative Coupling of Phenols and Amines under a Carbon Monoxide Atmosphere: A Chemicalâ€Specific Discrimination for Arylcarboxylic Amide Synthesis. Asian Journal of Organic Chemistry, 2018, 7, 751-756.	1.3	25
112	SuFEx Chemistry of Thionyl Tetrafluoride (SOF₄) with Organolithium Nucleophiles: Synthesis of Sulfonimidoyl Fluorides, Sulfoximines, Sulfonimidamides, and Sulfonimidates. Angewandte Chemie, 2018, 130, 1957-1961.	1.6	43
113	A New Portal to SuFEx Click Chemistry: A Stable Fluorosulfuryl Imidazolium Salt Emerging as an â€œFâ€"SO₂+â€•Donor of Unprecedented Reactivity, Selectivity, and Scope. Angewandte Chemie - International Edition, 2018, 57, 2605-2610.	7.2	134

#	Article	IF	Citations
114	A New Portal to SuFEx Click Chemistry: A Stable Fluorosulfuryl Imidazolium Salt Emerging as an â€œFâ€SO₂+â€•Donor of Unprecedented Reactivity, Selectivity, and Scope. Angewandte Chemie, 2018, 130, 2635-2640.	1.6	100
115	Synthesis and Chemical Transformations of Fluorosulfates. Asian Journal of Organic Chemistry, 2018, 7, 662-682.	1.3	64
116	â€œInverse Drug Discoveryâ€•Strategy To Identify Proteins That Are Targeted by Latent Electrophiles As Exemplified by Aryl Fluorosulfates. Journal of the American Chemical Society, 2018, 140, 200-210.	6.6	206
117	Introduction of a Crystalline, Shelf-Stable Reagent for the Synthesis of Sulfur(VI) Fluorides. Organic Letters, 2018, 20, 812-815.	2.4	91
118	SuFEx Chemistry of Thionyl Tetrafluoride (SOF₄) with Organolithium Nucleophiles: Synthesis of Sulfonimidoyl Fluorides, Sulfoximines, Sulfonimidamides, and Sulfonimidates. Angewandte Chemie - International Edition, 2018, 57, 1939-1943.	7.2	108
119	SuFEx Postpolymerization Modification Kinetics and Reactivity in Polymer Brushes. Macromolecules, 2018, 51, 297-305.	2.2	32
120	Sulfur (VI) Fluoride Exchange Polymerization for Large Conjugate Chromophores and Functional Mainâ€Chain Polysulfates with Nonvolatile Memory Performance. ChemPlusChem, 2018, 83, 407-413.	1.3	12
121	Sulfonyl Fluorides (SFs): More Than Click Reagents?. European Journal of Organic Chemistry, 2018, 2018, 3648-3666.	1.2	115
122	Genetically Encoding Fluorosulfate-<scp>l</scp>-tyrosine To React with Lysine, Histidine, and Tyrosine via SuFEx in Proteins in Vivo. Journal of the American Chemical Society, 2018, 140, 4995-4999.	6.6	156
123	Strainâ€Promoted Cycloaddition of Cyclopropenes with oâ€Quinones: A Rapid Click Reaction. Angewandte Chemie - International Edition, 2018, 57, 10118-10122.	7.2	31
124	Deoxyfluorination with Sulfonyl Fluorides: Navigating Reaction Space with Machine Learning. Journal of the American Chemical Society, 2018, 140, 5004-5008.	6.6	181
125	Synthesis of Phenols and Aryl Silyl Ethers via Arylation of Complementary Hydroxide Surrogates. Organic Letters, 2018, 20, 1785-1788.	2.4	22
126	A Vinyl Sulfoneâ€Based Fluorogenic Probe Capable of Selective Labeling of PHGDH in Live Mammalian Cells. Angewandte Chemie - International Edition, 2018, 57, 579-583.	7.2	38
127	A Vinyl Sulfoneâ€Based Fluorogenic Probe Capable of Selective Labeling of PHGDH in Live Mammalian Cells. Angewandte Chemie, 2018, 130, 588-592.	1.6	11
128	Combining Click Sulfur(VI)â€Fluoride Exchange with Photoiniferters: A Facile, Fast, and Efficient Strategy for Postpolymerization Modification. Macromolecular Rapid Communications, 2018, 39, 1700523.	2.0	17
129	Nucleophilicity and Electrophilicity Parameters for Predicting Absolute Rate Constants of Highly Asynchronous 1,3-Dipolar Cycloadditions of Aryldiazomethanes. Journal of the American Chemical Society, 2018, 140, 16758-16772.	6.6	52
130	SO₂F₂-Mediated Oxidative Dehydrogenation and Dehydration of Alcohols to Alkynes. Journal of the American Chemical Society, 2018, 140, 17666-17673.	6.6	69
131	Palladiumâ€Catalyzed Ligandâ€Free Suzukiâ€“Miyaura Reaction of Aryl Fluorosulfates and Various Arylboron Compounds. ChemistrySelect, 2018, 3, 12287-12290.	0.7	8

#	Article	IF	Citations
132	One-Pot 1,1-Dihydrofluoroalkylation of Amines Using Sulfuryl Fluoride. Journal of the American Chemical Society, 2018, 140, 16464-16468.	6.6	69
133	Polymer Functionalization. Polymers and Polymeric Composites, 2018, , 1-51.	0.6	1
134	Hetaryl Bromides Bearing the SO₂F Group â€“ Versatile Substrates for Palladiumâ€Catalyzed Câ€“C Coupling Reactions. European Journal of Organic Chemistry, 2018, 2018, 6682-6692.	1.2	18
135	Crystal structure of (E)-2-(4-bromophenyl)ethenesulfonyl fluoride (C8H6BrFO2S). Zeitschrift Fur Kristallographie - New Crystal Structures, 2018, 233, 793-794.	0.1	1
136	Protein Glycosylation through Sulfur Fluoride Exchange (SuFEx) Chemistry: The Key Role of a Fluorosulfate Thiolactoside. Chemistry - A European Journal, 2018, 24, 18981-18987.	1.7	17
137	Modification of Carbon Fibre Surfaces by Sulfurâ€Fluoride Exchange Click Chemistry. ChemPhysChem, 2018, 19, 3176-3181.	1.0	28
138	(Chlorosulfonyl)benzenesulfonyl Fluoridesâ€”Versatile Building Blocks for Combinatorial Chemistry: Design, Synthesis and Evaluation of a Covalent Inhibitor Library. ACS Combinatorial Science, 2018, 20, 672-680.	3.8	12
139	Facile Synthesis of Sequenceâ€Regulated Synthetic Polymers Using Orthogonal SuFEx and CuAAC Click Reactions. Angewandte Chemie, 2018, 130, 16426-16431.	1.6	33
140	Nickel-Catalyzed Cyanation of Phenol Derivatives with Zn(CN)₂ Involving Câ€“O Bond Cleavage. Journal of Organic Chemistry, 2018, 83, 14036-14048.	1.7	41
141	Facile Synthesis of Sequenceâ€Regulated Synthetic Polymers Using Orthogonal SuFEx and CuAAC Click Reactions. Angewandte Chemie - International Edition, 2018, 57, 16194-16199.	7.2	136
142	Proximity-enhanced SuFEx chemical cross-linker for specific and multitargeting cross-linking mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11162-11167.	3.3	61
143	SuFEx in Metalâ€“Organic Frameworks: Versatile Postsynthetic Modification Tool. ACS Applied Materials & Interfaces, 2018, 10, 33785-33789.	4.0	21
144	Sulfur(<scp>vi</scp>) fluoride exchange as a key reaction for synthesizing biaryl sulfate core derivatives as potent hepatitis C virus NS5A inhibitors and their structureâ€“activity relationship studies. RSC Advances, 2018, 8, 31803-31821.	1.7	9
145	1-Bromoethene-1-sulfonyl fluoride (BESF) is another good connective hub for SuFEx click chemistry. Chemical Communications, 2018, 54, 6020-6023.	2.2	72
146	Beyond cysteine: recent developments in the area of targeted covalent inhibition. Current Opinion in Chemical Biology, 2018, 44, 30-38.	2.8	62
147	Emerging Utility of Fluorosulfate Chemical Probes. ACS Medicinal Chemistry Letters, 2018, 9, 584-586.	1.3	100
148	Quantitative and Orthogonal Formation and Reactivity of SuFEx Platforms. Chemistry - A European Journal, 2018, 24, 10550-10556.	1.7	37
149	â€œClick-chemicalâ€•modification of cellulose acetate nanofibers: a versatile platform for biofunctionalization. Journal of Materials Chemistry B, 2018, 6, 4579-4582.	2.9	17

#	Article	IF	Citations
150	Synthesis, bioconjugation and stability studies of [¹⁸F]ethenesulfonyl fluoride. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 847-856.	0.5	18
151	Chemoselective Tyrosine Bioconjugation through Sulfate Click Reaction. Chemistry - A European Journal, 2018, 24, 10948-10952.	1.7	34
152	Recent advances towards sulfur (VI) fluoride exchange (SuFEx) click chemistry. Journal of Fluorine Chemistry, 2018, 213, 87-112.	0.9	91
153	A Rh-Catalyzed Air and Moisture Tolerable Aldehyde (Ketone)-Directed Fluorosulfonylvinylation of Aryl C(sp²)â€“H Bonds. Organic Letters, 2018, 20, 4699-4703.	2.4	59
154	A portal to a class of novel sultone-functionalized pyridines via an annulative SuFEx process employing earth abundant nickel catalysts. Chemical Communications, 2018, 54, 9011-9014.	2.2	30
155	Dendrimers: A versatile nanocarrier for drug delivery and targeting. International Journal of Pharmaceutics, 2018, 548, 707-720.	2.6	253
156	Towards click chemistry: Multicomponent reactions via combinations of name reactions. Tetrahedron, 2018, 74, 3391-3457.	1.0	50
157	Expanding the Genetic Code to Study Proteinâ€“Protein Interactions. Angewandte Chemie - International Edition, 2018, 57, 14350-14361.	7.2	84
158	Expanding the Genetic Code to Study Proteinâ€“Protein Interactions. Angewandte Chemie, 2018, 130, 14548-14559.	1.6	13
159	Autocatalytic Synthesis of Bifluoride Ionic Liquids by SuFEx Click Chemistry. Angewandte Chemie, 2018, 130, 16237-16241.	1.6	15
160	Autocatalytic Synthesis of Bifluoride Ionic Liquids by SuFEx Click Chemistry. Angewandte Chemie - International Edition, 2018, 57, 16005-16009.	7.2	38
161	Visualizing biologically active small molecules in cells using click chemistry. Nature Reviews Chemistry, 2018, 2, 202-215.	13.8	133
162	Aryl fluorosulfate analogues as potent antimicrobial agents: SAR, cytotoxicity and docking studies. Bioorganic Chemistry, 2018, 81, 107-118.	2.0	55
163	Rhâ€Catalyzed Carboxylates Directed Câ€“H Activation for the Synthesis of orthoâ€Carboxylic 2â€Arylethenesulfonyl Fluorides: Access to Unique Electrophiles for SuFEx Click Chemistry. European Journal of Organic Chemistry, 2018, 2018, 4407-4410.	1.2	37
164	Regioselective Synthesis of Fluorosulfonyl 1,2,3-Triazoles from Bromovinylsulfonyl Fluoride. Organic Letters, 2018, 20, 3749-3752.	2.4	68
165	Nitro sulfonyl fluorides are a new pharmacophore for the development of antibiotics. Molecular Systems Design and Engineering, 2018, 3, 599-603.	1.7	9
166	Sulfonamide Synthesis via Calcium Triflimide Activation of Sulfonyl Fluorides. Organic Letters, 2018, 20, 3943-3947.	2.4	77
167	A one-pot protocol for copper-mediated azideâ€“alkyne cycloaddition using alkenyl triflate precursors. Chinese Chemical Letters, 2019, 30, 269-270.	4.8	6

#	Article	IF	Citations
168	Directed Cp*Rh^{III}-Catalyzed Fluorosulfonylvinylation of Arenes. Organometallics, 2019, 38, 76-80.	1.1	36
169	Arylfluorsulfatâ€basierte Elektrophile fÃ¼r die kovalente Proteinmarkierung. Angewandte Chemie, 2019, 131, 969-978.	1.6	27
170	Arylfluorosulfateâ€Based Electrophiles for Covalent Protein Labeling: A New Addition to the Arsenal. Angewandte Chemie - International Edition, 2019, 58, 957-966.	7.2	109
171	Leveraging Atropisomerism to Obtain a Selective Inhibitor of RET Kinase with Secondary Activities toward EGFR Mutants. ACS Chemical Biology, 2019, 14, 1930-1939.	1.6	17
172	Installation of -SO₂F groups onto primary amides. Beilstein Journal of Organic Chemistry, 2019, 15, 1907-1912.	1.3	8
173	Efficient Heterodifunctional Unimolecular Ringâ€Closure Method for Cyclic Polymers by Combining RAFT and SuFEx Click Reactions. Macromolecular Rapid Communications, 2019, 40, 1900310.	2.0	16
174	Nucleophilic construction of sulfate bonds: simplified access to polysulfates and polysulfonates. Reaction Chemistry and Engineering, 2019, 4, 2074-2080.	1.9	4
175	Discovery of Î´-sultone-fused pyrazoles for treating Alzheimer's disease: Design, synthesis, biological evaluation and SAR studies. European Journal of Medicinal Chemistry, 2019, 181, 111598.	2.6	32
176	A rapid access to aliphatic sulfonyl fluorides. Nature Communications, 2019, 10, 3752.	5.8	90
177	Sulfonyl Fluoride Synthesis through Electrochemical Oxidative Coupling of Thiols and Potassium Fluoride. Journal of the American Chemical Society, 2019, 141, 11832-11836.	6.6	148
178	Concise and Additiveâ€Free Click Reactions between Amines and CF₃SO₃CF₃. Chemistry - A European Journal, 2019, 25, 10907-10912.	1.7	27
179	Stereoselective Construction of Nitrileâ€Substituted Cyclopropanes from 2â€Substituted Ethenesulfonyl Fluorides via Carbonâ€Sulfur Bond Cleavage. Advanced Synthesis and Catalysis, 2019, 361, 4596-4601.	2.1	16
180	A cascade process for directly converting nitriles (RCN) to cyanamides (RNHCN) via SO₂F₂-activated Tiemann rearrangement. Organic and Biomolecular Chemistry, 2019, 17, 7684-7688.	1.5	13
181	The growing applications of SuFEx click chemistry. Chemical Society Reviews, 2019, 48, 4731-4758.	18.7	311
182	Converting (E)â€(Hetero)arylethanesulfonyl Fluorides to (Z)â€(Hetero)arylethanesulfonyl Fluorides Under Light Irradiation. European Journal of Organic Chemistry, 2019, 2019, 4597-4603.	1.2	14
183	A SO2F2 mediated mild, practical, and gram-scale dehydroxylative transforming primary alcohols to quaternary ammonium salts. Tetrahedron, 2019, 75, 4648-4656.	1.0	6
184	DNAâ€Encoded Libraries: Aryl Fluorosulfonates as Versatile Electrophiles Enabling Facile Onâ€DNA Suzuki, Sonogashira, and Buchwald Reactions. Advanced Science, 2019, 6, 1901551.	5.6	84
185	Palladium(0)â€Catalyzed Directed synâ€1,2â€Carboboration and â€Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. Angewandte Chemie - International Edition, 2019, 58, 17068-17073.	7.2	101

#	Article	IF	Citations
186	Tunable Electronic Memory Performances Based on Poly(Triphenylamine) and Its Metal Complex via a SuFEx Click Reaction. Chemistry - an Asian Journal, 2019, 14, 4296-4302.	1.7	8
187	Discovery and optimization of covalent Bcl-xL antagonists. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126682.	1.0	12
188	Rh(I)â€"Diene-Catalyzed Addition of (Hetero)aryl Functionality to 1,3-Dienylsulfonyl Fluorides Achieving Exclusive Regioselectivity and High Enantioselectivity: Generality and Mechanism. ACS Catalysis, 2019, 9, 10477-10488.	5.5	32
189	Selective Lateâ€Stage Sulfonyl Chloride Formation from Sulfonamides Enabled by Pyryâ€BF₄. Angewandte Chemie - International Edition, 2019, 58, 18235-18239.	7.2	47
190	Synthesis of N-Acyl Sulfamates from Fluorosulfonates and Potassium Trimethylsilyloxyl Imidates. Journal of Organic Chemistry, 2019, 84, 15380-15388.	1.7	10
191	Asymmetric Conjugate Addition of Ethylene Sulfonyl Fluorides to 3-Amido-2-oxindoles: Synthesis of Chiral Spirocyclic Oxindole Sultams. Organic Letters, 2019, 21, 9742-9746.	2.4	43
192	Introduction of Aryl Fluorosulfates into the Realm of Catellani Reaction Substrates. Journal of Organic Chemistry, 2019, 84, 15706-15717.	1.7	14
193	Base-Controlled One-Pot Chemoselective Suzukiâ€"Miyaura Reactions for the Synthesis of Unsymmetrical Terphenyls. Synlett, 2019, 30, 2131-2135.	1.0	3
194	Cyclic Alkenylsulfonyl Fluorides: Palladiumâ€Catalyzed Synthesis and Functionalization of Compact Multifunctional Reagents. Angewandte Chemie, 2019, 131, 19035-19039.	1.6	31
195	Selective Deprotection of the Diphenylmethylsilyl (DPMS) Hydroxyl Protecting Group under Environmentally Responsible, Aqueous Conditions. ChemCatChem, 2019, 11, 5743-5747.	1.8	6
196	Nickel(II)-Catalyzed Synthesis of Sulfinates from Aryl and Heteroaryl Boronic Acids and the Sulfur Dioxide Surrogate DABSO. ACS Catalysis, 2019, 9, 10668-10673.	5.5	91
197	Palladium(0)â€Catalyzed Directed syn â€1,2â€Carboboration and â€Silylation: Alkene Scope, Applications in Dearomatization, and Stereocontrol by a Chiral Auxiliary. Angewandte Chemie, 2019, 131, 17224-17229.	1.6	30
198	Selective Lateâ€Stage Sulfonyl Chloride Formation from Sulfonamides Enabled by Pyryâ€BF₄. Angewandte Chemie, 2019, 131, 18403-18407.	1.6	14
199	Cyclic Alkenylsulfonyl Fluorides: Palladiumâ€Catalyzed Synthesis and Functionalization of Compact Multifunctional Reagents. Angewandte Chemie - International Edition, 2019, 58, 18859-18863.	7.2	81
200	SO₂F₂-Mediated Epoxidation of Olefins with Hydrogen Peroxide. Journal of Organic Chemistry, 2019, 84, 11928-11934.	1.7	6
201	The Trouble with Five: New Synthetic Strategies toward C5 -Symmetric Pillar[5]arenes and Beyond. Synlett, 2019, 30, 2209-2215.	1.0	16
202	New sulfuryl fluoride-derived alkylating reagents for the 1,1-dihydrofluoroalkylation of thiols. Chemical Science, 2019, 10, 10331-10335.	3.7	31
203	Applications of sulfuryl fluoride (SO₂F₂) in chemical transformations. Organic Chemistry Frontiers, 2019, 6, 3490-3516.	2.3	60

#	Article	IF	Citations
204	SuFEx-enabled, agnostic discovery of covalent inhibitors of human neutrophil elastase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18808-18814.	3.3	134
205	Double-click enables synthesis of chemical libraries for drug discovery. Nature, 2019, 574, 42-43.	13.7	4
206	Palladacycle promoted asymmetric hydrophosphination of Î±,Î²-unsaturated sulfonyl fluorides. Journal of Organometallic Chemistry, 2019, 899, 120912.	0.8	14
207	Aryl-fluorosulfate-based Lysine Covalent Pan-Inhibitors of Apoptosis Protein (IAP) Antagonists with Cellular Efficacy. Journal of Medicinal Chemistry, 2019, 62, 9188-9200.	2.9	39
208	[1₅]Paracyclophane and [1₆]paracyclophane: facile syntheses, crystal structures and selective complexation with cesium cations in the gas phase. Organic Chemistry Frontiers, 2019, 6, 309-312.	2.3	18
209	Transition-Metal-Free Desulfinative Cross-Coupling of Heteroaryl Sulfinates with Grignard Reagents. Organic Letters, 2019, 21, 937-940.	2.4	27
210	2â€Azidoethaneâ€1â€sulfonylfluoride (ASF): A Versatile Bisâ€clickable Reagent for SuFEx and CuAAC Click Reactions. European Journal of Organic Chemistry, 2019, 2019, 1763-1769.	1.2	23
211	A rapid one-step surface functionalization of polyvinyl chloride by combining click sulfur(<scp>vi</scp>)-fluoride exchange with benzophenone photochemistry. Chemical Communications, 2019, 55, 858-861.	2.2	28
212	Intermolecular oxidative radical fluoroalkylfluorosulfonylation of unactivated alkenes with (fluoroalkyl)trimethylsilane, silver fluoride, sulfur dioxide and N-fluorobenzenesulfonimide. Organic Chemistry Frontiers, 2019, 6, 447-450.	2.3	46
213	Recent applications of click chemistry in drug discovery. Expert Opinion on Drug Discovery, 2019, 14, 779-789.	2.5	151
214	Radical scavenging and anti-inflammatory activities of (hetero)arylethenesulfonyl fluorides: Synthesis and structure-activity relationship (SAR) and QSAR studies. Bioorganic Chemistry, 2019, 89, 103015.	2.0	28
215	Utilizing Carbonyl Coordination of Native Amides for Palladiumâ€Catalyzed C(sp³)â^'H Olefination. Angewandte Chemie, 2019, 131, 11546-11550.	1.6	14
216	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. Chemical Communications, 2019, 55, 7914-7917.	2.2	23
217	Expanding chemogenomic space using chemoproteomics. Bioorganic and Medicinal Chemistry, 2019, 27, 3451-3453.	1.4	8
218	Aryl Sulfate is a Useful Motif for Conjugating and Releasing Phenolic Molecules: Sulfur Fluorine Exchange Click Chemistry Enables Discovery of Ortho-Hydroxy-Protected Aryl Sulfate Linker. Bioconjugate Chemistry, 2019, 30, 1957-1968.	1.8	18
219	SO₂F₂â€Activated Efficient Beckmann Rearrangement of Ketoximes for Accessing Amides and Lactams. European Journal of Organic Chemistry, 2019, 2019, 4911-4915.	1.2	23
220	Polymer Functionalization. Polymers and Polymeric Composites, 2019, , 53-103.	0.6	1
221	Utilizing Carbonyl Coordination of Native Amides for Palladiumâ€Catalyzed C(sp³)â^'H Olefination. Angewandte Chemie - International Edition, 2019, 58, 11424-11428.	7.2	54

#	Article	IF	Citations
222	A sulfur(<scp>vi</scp>) fluoride exchange click chemistry approach towards main chain liquid crystal polymers bearing sulfate ester groups. Polymer Chemistry, 2019, 10, 3657-3664.	1.9	14
223	Rh-Catalyzed Annulative Insertion of Terminal Olefin onto Pyridines via a Câ€“H Activation Strategy Using Ethenesulfonyl Fluoride as Ethylene Provider. Organic Letters, 2019, 21, 4495-4499.	2.4	15
224	Facile one-pot synthesis of sulfonyl fluorides from sulfonates or sulfonic acids. RSC Advances, 2019, 9, 13863-13867.	1.7	30
225	A lifetime journey into the world of chemistry. Tetrahedron, 2019, 75, 130345.	1.0	2
226	Covalent Inhibitors of Proteinâ€“Protein Interactions Targeting Lysine, Tyrosine, or Histidine Residues. Journal of Medicinal Chemistry, 2019, 62, 5616-5627.	2.9	76
227	Active site labeling of fatty acid and polyketide acyl-carrier protein transacylases. Organic and Biomolecular Chemistry, 2019, 17, 4720-4724.	1.5	4
228	Biocompatible SuFEx Click Chemistry: Thionyl Tetrafluoride (SOF₄)â€Derived Connective Hubs for Bioconjugation to DNA and Proteins. Angewandte Chemie, 2019, 131, 8113-8117.	1.6	23
229	Biocompatible SuFEx Click Chemistry: Thionyl Tetrafluoride (SOF₄)â€Derived Connective Hubs for Bioconjugation to DNA and Proteins. Angewandte Chemie - International Edition, 2019, 58, 8029-8033.	7.2	90
230	Functionalization at Will of Rim-Differentiated Pillar[5]arenes. Organic Letters, 2019, 21, 3976-3980.	2.4	69
231	Synthesis, characterization, and comparison of two new copper(II) complexes containing Schiff-base and diazo ligands as new catalysts in CuAAC reaction. Inorganica Chimica Acta, 2019, 492, 213-220.	1.2	16
232	Regioselective installation of fluorosulfate (â€“OSO2F) functionality into aromatic C(sp2)â€“H bonds for the construction of para-amino-arylfluorosulfates. Chemical Communications, 2019, 55, 6273-6276.	2.2	16
233	SO₂F₂ mediated transformation of pyrazolones into pyrazolyl fluorosulfates. Organic and Biomolecular Chemistry, 2019, 17, 5001-5008.	1.5	11
234	SO₂F₂-mediated transformation of 2'-hydroxyacetophenones to benzo-oxetes. Beilstein Journal of Organic Chemistry, 2019, 15, 976-980.	1.3	11
235	Quantifying drug-target engagement in live cells using sulfonyl fluoride chemical probes. Methods in Enzymology, 2019, 622, 201-220.	0.4	5
236	Nickel-Catalyzed Carboxylation of Aryl and Heteroaryl Fluorosulfates Using Carbon Dioxide. Organic Letters, 2019, 21, 2464-2467.	2.4	54
237	Clickable coupling of carboxylic acids and amines at room temperature mediated by SO₂F₂: a significant breakthrough for the construction of amides and peptide linkages. Organic and Biomolecular Chemistry, 2019, 17, 4087-4101.	1.5	55
238	Rapid Deoxyfluorination of Alcohols with Nâ€Tosylâ€4â€chlorobenzenesulfonimidoyl Fluoride (SulfoxFluor) at Room Temperature. Chemistry - A European Journal, 2019, 25, 7259-7264.	1.7	56
239	Cascade Process for Direct Transformation of Aldehydes (RCHO) to Nitriles (RCN) Using Inorganic Reagents NH₂OH/Na₂CO₃/SO₂F₂ in DMSO. Journal of Organic Chemistry, 2019, 84, 5803-5812.	1.7	52

#	Article	IF	Citations
240	Novel Approaches to Access Arylfluorosulfates and Sulfamoyl Fluorides Based on Sulfur (VI) Fluoride Exchange. Current Protocols in Chemical Biology, 2019, 11, e64.	1.7	4
241	Stereoselective Synthesis of (Z)â€Î²â€Enamido Triflates and Fluorosulfonates from N â€Fluoroalkylated Triazoles. Chemistry - A European Journal, 2019, 25, 7640-7644.	1.7	26
242	A Transitionâ€Metalâ€Free Oneâ€Pot Cascade Process for Transformation of Primary Alcohols (RCH₂OH) to Nitriles (RCN) Mediated by SO₂F₂. European Journal of Organic Chemistry, 2019, 2019, 3190-3194.	1.2	20
243	Directed ortho-Metalation of Arenesulfonyl Fluorides and Aryl Fluorosulfates. Synthesis, 2019, 51, 2278-2286.	1.2	13
244	Bifluoride Ion Mediated SuFEx Trifluoromethylation of Sulfonyl Fluorides and Iminosulfur Oxydifluorides. Angewandte Chemie, 2019, 131, 4600-4604.	1.6	22
245	Transition-metal-free regioselective construction of 1,5-diaryl-1,2,3-triazoles through dehydrative cycloaddition of alcohols with aryl azides mediated by SO₂F₂. Chemical Communications, 2019, 55, 2845-2848.	2.2	35
246	A Simple, Mild and General Oxidation of Alcohols to Aldehydes or Ketones by SO₂F₂/K₂CO₃ Using DMSO as Solvent and Oxidant. Advanced Synthesis and Catalysis, 2019, 361, 2262-2267.	2.1	38
247	Bifluoride Ion Mediated SuFEx Trifluoromethylation of Sulfonyl Fluorides and Iminosulfur Oxydifluorides. Angewandte Chemie - International Edition, 2019, 58, 4552-4556.	7.2	63
248	SuFEx-based strategies for the preparation of functional particles and cation exchange resins. Chemical Communications, 2019, 55, 3891-3894.	2.2	7
249	Synthesis of Î²-Arylethenesulfonyl Fluoride via Pd-Catalyzed Nondirected Câ€“H Alkenylation. Organic Letters, 2019, 21, 1426-1429.	2.4	82
250	Rh-Catalyzed Highly Enantioselective Synthesis of Aliphatic Sulfonyl Fluorides. IScience, 2019, 21, 695-705.	1.9	32
251	In Pursuit of Fluorinated Sigma Receptor Ligand Candidates Related to [18F]-FPS. Australian Journal of Chemistry, 2019, 72, 213.	0.5	2
252	One-pot fluorosulfurylation of Grignard reagents using sulfuryl fluoride. Chemical Communications, 2019, 55, 14753-14756.	2.2	59
253	Modular click chemistry libraries for functional screens using a diazotizing reagent. Nature, 2019, 574, 86-89.	13.7	212
254	Synthesis of N-Acyl Sulfamates from Fluorosulfates and Amides. Journal of Organic Chemistry, 2019, 84, 1070-1078.	1.7	15
255	Emerging and Re-Emerging Warheads for Targeted Covalent Inhibitors: Applications in Medicinal Chemistry and Chemical Biology. Journal of Medicinal Chemistry, 2019, 62, 5673-5724.	2.9	415
256	Building Covalent Molecular Capsules by Thiol-Michael Addition Click Reaction. Journal of Organic Chemistry, 2019, 84, 840-850.	1.7	8
257	Synthesis of Arenesulfonyl Fluorides via Sulfuryl Fluoride Incorporation from Arynes. Organic Letters, 2019, 21, 428-433.	2.4	52

#	Article	IF	Citations
258	Lysine-Targeted Inhibitors and Chemoproteomic Probes. Annual Review of Biochemistry, 2019, 88, 365-381.	5.0	80
259	Construction of Di(hetero)arylmethanes Through Pdâ€Catalyzed Direct Dehydroxylative Crossâ€Coupling of Benzylic Alcohols and Aryl Boronic Acids Mediated by Sulfuryl Fluoride (SO₂F₂). European Journal of Organic Chemistry, 2019, 2019, 1801-1807.	1.2	20
260	Sulfuryl Fluoride Mediated Conversion of Aldehydes to Nitriles. Chemistry - A European Journal, 2019, 25, 1906-1909.	1.7	38
261	The CuAAC: Principles, Homogeneous and Heterogeneous Catalysts, and Novel Developments and Applications. Macromolecular Rapid Communications, 2020, 41, e1900359.	2.0	146
262	Fluorierte Reagenzien in der Strukturproteomik. Angewandte Chemie, 2020, 132, 5932-5942.	1.6	14
263	Siteâ€Selective, Modular Diversification of Polyhalogenated Aryl Fluorosulfates (ArOSO 2 F) Enabled by an Airâ€Stable Pd I Dimer. Angewandte Chemie - International Edition, 2020, 59, 2115-2119.	7.2	56
264	The oxidation of cysteine-containing peptides caused by perfluoroalkane sulfonyl fluorides. Journal of Hazardous Materials, 2020, 385, 121564.	6.5	5
265	Metalâ€Free Synthesis of Functional 1â€Substitutedâ€1,2,3â€Triazoles from Ethenesulfonyl Fluoride and Organic Azides. Angewandte Chemie - International Edition, 2020, 59, 1181-1186.	7.2	64
266	The Application of Fluorineâ€Containing Reagents in Structural Proteomics. Angewandte Chemie - International Edition, 2020, 59, 5880-5889.	7.2	50
267	Functionalization of amino acids with aryl fluorosulfate for prodrug construction by SuFEx chemistry. Tetrahedron, 2020, 76, 130926.	1.0	2
268	FSI-inspired solvent and â€œfull fluorosulfonylâ€•electrolyte for 4 V class lithium-metal batteries. Energy and Environmental Science, 2020, 13, 212-220.	15.6	198
270	AIE-active polysulfatesviaa sulfur(<scp>vi</scp>) fluoride exchange (SuFEx) click reaction and investigation of their two-photon fluorescence and cyanide detection in water and in living cells. Polymer Chemistry, 2020, 11, 1033-1042.	1.9	25
271	Metalâ€Free Synthesis of Functional 1â€Substitutedâ€1,2,3â€Triazoles from Ethenesulfonyl Fluoride and Organic Azides. Angewandte Chemie, 2020, 132, 1197-1202.	1.6	27
272	Arylsulfonyl fluoride boronic acids: Preparation and coupling reactivity. Tetrahedron, 2020, 76, 130782.	1.0	17
273	Structure-based design and analysis of SuFEx chemical probes. RSC Medicinal Chemistry, 2020, 11, 10-17.	1.7	83
274	Chemoselektive, modulare Diversifikation polyhalogenierter Arylfluorosulfate (ArOSO 2 F), ermÃ¶glicht durch ein luftstabiles Pd I â€Dimer. Angewandte Chemie, 2020, 132, 2132-2136.	1.6	25
275	Covalent Small Molecules as Enabling Platforms for Drug Discovery. ChemBioChem, 2020, 21, 1080-1100.	1.3	64
276	Click Chemistry: Evolving on the Fringe. Chinese Journal of Chemistry, 2020, 38, 414-419.	2.6	62

#	Article	IF	Citations
277	Catalytic Sulfamoylation of Alcohols with Activated Aryl Sulfamates. Organic Letters, 2020, 22, 168-174.	2.4	10
278	Ethenesulfonyl Fluoride (ESF) and Its Derivatives in SuFEx Click Chemistry and More. Synthesis, 2020, 52, 673-687.	1.2	34
279	Coinage Metal (Bisfluorosulfonyl)imide Complexes: Preparation, Characterization, and Catalytic Applications. European Journal of Inorganic Chemistry, 2020, 2020, 107-118.	1.0	6
280	Global targeting of functional tyrosines using sulfur-triazole exchange chemistry. Nature Chemical Biology, 2020, 16, 150-159.	3.9	127
281	Recent advances in construction of small molecule-based fluorophore-drug conjugates. Journal of Pharmaceutical Analysis, 2020, 10, 434-443.	2.4	22
282	Synthesis of complex unnatural fluorine-containing amino acids. Journal of Fluorine Chemistry, 2020, 239, 109630.	0.9	20
283	Protocol for Stereoselective Construction of Highly Functionalized Dienyl Sulfonyl Fluoride Warheads. Journal of Organic Chemistry, 2020, 85, 13721-13734.	1.7	17
284	DNA-Encoded Chemistry: Drug Discovery from a Few Good Reactions. Chemical Reviews, 2021, 121, 7155-7177.	23.0	113
285	The same oxygenation-state introduction of hypervalent sulfur under transition-metal-free conditions. Organic Chemistry Frontiers, 2020, 7, 3956-3966.	2.3	94
286	A Unified Strategy for Arylsulfur(VI) Fluorides from Aryl Halides: Access to Arâ€SOF₃ Compounds. Angewandte Chemie, 2020, 132, 23716-23721.	1.6	23
287	Fluorosulfonylation of arenediazonium tetrafluoroborates with Na2S2O5 and N-fluorobenzenesulfonimide. Journal of Fluorine Chemistry, 2020, 240, 109653.	0.9	24
288	Chemoselective reaction of bifunctional carboxysulfonic acid systems: Preparation of useful intermediates for chemiluminescent, fluorescent and UV absorbing bifunctional linkers. Tetrahedron Letters, 2020, 61, 152332.	0.7	4
289	A Bioorthogonal Small Molecule Selective Polymeric â€œClickaseâ€• Journal of the American Chemical Society, 2020, 142, 13966-13973.	6.6	40
290	Synthesis of unsymmetrical sulfamides and polysulfamides via SuFEx click chemistry. Chemical Science, 2020, 11, 7807-7812.	3.7	38
291	A General Approach to O â€Sulfation by a Sulfur(VI) Fluoride Exchange Reaction. Angewandte Chemie, 2020, 132, 18593-18599.	1.6	8
292	Complementary Base Lowers the Barrier in SuFEx Click Chemistry for Primary Amine Nucleophiles. ACS Omega, 2020, 5, 31432-31439.	1.6	11
293	Revealing the functional roles of tyrosine sulfation using synthetic sulfopeptides and sulfoproteins. Current Opinion in Chemical Biology, 2020, 58, 72-85.	2.8	24
294	Developing bioorthogonal probes to span a spectrum of reactivities. Nature Reviews Chemistry, 2020, 4, 476-489.	13.8	119

#	Article	IF	Citations
295	Strategies for Tuning the Selectivity of Chemical Probes that Target Serine Hydrolases. Cell Chemical Biology, 2020, 27, 937-952.	2.5	41
296	Halide-Accelerated Acyl Fluoride Formation Using Sulfuryl Fluoride. Organic Letters, 2020, 22, 6682-6686.	2.4	26
297	Light-induced primary amines and o-nitrobenzyl alcohols cyclization as a versatile photoclick reaction for modular conjugation. Nature Communications, 2020, 11, 5472.	5.8	46
298	Cycloaddition of Strained Cyclic Alkenes and Ortho-Quinones: A Distortion/Interaction Analysis. Journal of Organic Chemistry, 2020, 85, 13557-13566.	1.7	8
299	Room temperature clickable coupling electron deficient amines with sterically hindered carboxylic acids for the construction of amides. Tetrahedron, 2020, 76, 131724.	1.0	5
300	SO2F2-mediated deoxygenative C2-sulfonylation of quinoline N-oxides with sodium sulfinates. Tetrahedron Letters, 2020, 61, 152586.	0.7	6
301	Development of S_NAr Nucleophilic Fluorination: A Fruitful Academia-Industry Collaboration. Accounts of Chemical Research, 2020, 53, 2372-2383.	7.6	43
302	Protein targeting with SAF(er) electrophiles. Nature Chemistry, 2020, 12, 885-887.	6.6	2
303	Harnessing Sulfinyl Nitrenes: A Unified One-Pot Synthesis of Sulfoximines and Sulfonimidamides. Journal of the American Chemical Society, 2020, 142, 15445-15453.	6.6	59
304	Using sulfuramidimidoyl fluorides that undergo sulfur(vi) fluoride exchange for inverse drug discovery. Nature Chemistry, 2020, 12, 906-913.	6.6	85
305	A Unified Strategy for Arylsulfur(VI) Fluorides from Aryl Halides: Access to Arâ€SOF₃ Compounds. Angewandte Chemie - International Edition, 2020, 59, 23510-23515.	7.2	62
306	Genetically Encoded Quinone Methides Enabling Rapid, Site-Specific, and Photocontrolled Protein Modification with Amine Reagents. Journal of the American Chemical Society, 2020, 142, 17057-17068.	6.6	25
307	Chemically triggered crosslinking with bioorthogonal cyclopropenones. Chemical Communications, 2020, 56, 10883-10886.	2.2	10
308	Clickable Transformation of Nitriles (RCN) to Oxazolyl Sulfonyl Fluoride Warheads. Organic Letters, 2020, 22, 8904-8909.	2.4	27
309	From Differential Stains to Next Generation Physiology: Chemical Probes to Visualize Bacterial Cell Structure and Physiology. Molecules, 2020, 25, 4949.	1.7	13
310	Tyrosine bioconjugation â€“ an emergent alternative. Organic and Biomolecular Chemistry, 2020, 18, 9018-9028.	1.5	49
311	Arenesulfonyl Fluoride Synthesis via Copperâ€free Sandmeyerâ€type Fluorosulfonylation of Arenediazonium Salts. Chinese Journal of Chemistry, 2020, 38, 1107-1110.	2.6	33
312	Synthesis and Characterization of Poly(hydrogen halide) Halogenates (â€“I). Chemistry - A European Journal, 2020, 26, 13256-13263.	1.7	3

#	Article	IF	Citations
313	Reactive films fabricated using click sulfur(<scp>vi</scp>)â€“fluoride exchange reactions via layer-by-layer assembly. Journal of Materials Chemistry B, 2020, 8, 5529-5534.	2.9	10
314	Synthesis of Highly Enantioenriched Sulfonimidoyl Fluorides and Sulfonimidamides by Stereospecific Sulfurâ€“Fluorine Exchange (SuFEx) Reaction. Chemistry - A European Journal, 2020, 26, 12533-12538.	1.7	59
315	Access to Aryl and Heteroaryl Trifluoromethyl Ketones from Aryl Bromides and Fluorosulfates with Stoichiometric CO. Organic Letters, 2020, 22, 4068-4072.	2.4	17
316	Sulfur(VI) Fluoride Exchange (SuFEx)-Enabled High-Throughput Medicinal Chemistry. Journal of the American Chemical Society, 2020, 142, 10899-10904.	6.6	105
317	SO₂F₂-Mediated one-pot cascade process for transformation of aldehydes (RCHO) to cyanamides (RNHCN). RSC Advances, 2020, 10, 17288-17292.	1.7	4
318	A Simple Protocol for the Stereoselective Construction of Enaminyl Sulfonyl Fluorides. Organic Letters, 2020, 22, 4316-4321.	2.4	16
319	SuFEx Activation with Ca(NTf₂)₂: A Unified Strategy to Access Sulfamides, Sulfamates, and Sulfonamides from S(VI) Fluorides. Organic Letters, 2020, 22, 4389-4394.	2.4	77
320	An Easy, General and Practical Method for the Construction of Alkyl Sulfonyl Fluorides. Advanced Synthesis and Catalysis, 2020, 362, 3358-3363.	2.1	29
321	Tyrosine Conjugation Methods for Protein Labelling. Chemistry - A European Journal, 2020, 26, 14257-14269.	1.7	54
322	Continuous flow synthesis of aryl aldehydes by Pd-catalyzed formylation of phenol-derived aryl fluorosulfonates using syngas. RSC Advances, 2020, 10, 22449-22453.	1.7	10
323	Developing Covalent Protein Drugs via Proximity-Enabled Reactive Therapeutics. Cell, 2020, 182, 85-97.e16.	13.5	115
324	But-3-ene-1,3-disulfonyl difluoride (BDF): a highly selective SuFEx clickable hub for the quick assembly of sultam-containing aliphatic sulfonyl fluorides. Chemical Communications, 2020, 56, 8075-8078.	2.2	17
325	Tri-functional platform for the facile construction of dual-functional surfaces via a one-pot strategy. Journal of Materials Chemistry B, 2020, 8, 5602-5605.	2.9	4
326	Selected Research Topics of the Dondoni Group over the Last Two Decades (2000â€“2020). Synlett, 2020, 31, 1361-1371.	1.0	2
327	New synthetic procedure for the antiviral sulfonate carbosilane dendrimer G2-S16 and its fluorescein-labelled derivative for biological studies. RSC Advances, 2020, 10, 20083-20088.	1.7	6
328	The structure-based optimization of Î´-sultone-fused pyrazoles as selective BuChE inhibitors. European Journal of Medicinal Chemistry, 2020, 201, 112273.	2.6	14
329	3-Oxo-Î²-sultam as a Sulfonylating Chemotype for Inhibition of Serine Hydrolases and Activity-Based Protein Profiling. ACS Chemical Biology, 2020, 15, 878-883.	1.6	11
330	Siliconâ€Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. Angewandte Chemie - International Edition, 2020, 59, 7494-7500.	7.2	76

#	Article	IF	Citations
331	On the scope of SuFEx as a bioorthogonal click process. New Journal of Chemistry, 2020, 44, 4678-4680.	1.4	12
332	Sulfonate Version of OHPAS Linker Has Two Distinct Pathways of Breakdown: Elimination Route Allows Para-Hydroxy-Protected Benzylsulfonate (PHP-BS) to Serve as an Alternative Self-Immolative Group. Bioconjugate Chemistry, 2020, 31, 1392-1399.	1.8	7
333	3â€Carboxyâ€/3â€Aminobicyclo[1.1.1]pentaneâ€Derived Sulfonamides and Sulfonyl Fluorides â€“ Advanced Bifunctional Reagents for Organic Synthesis and Drug Discovery. European Journal of Organic Chemistry, 2020, 2020, 2210-2216.	1.2	9
334	Copper-free Sandmeyer-type Reaction for the Synthesis of Sulfonyl Fluorides. Organic Letters, 2020, 22, 3072-3078.	2.4	78
335	Siliconâ€Free SuFEx Reactions of Sulfonimidoyl Fluorides: Scope, Enantioselectivity, and Mechanism. Angewandte Chemie, 2020, 132, 7564-7570.	1.6	27
336	Diversity Oriented Clicking (DOC): Divergent Synthesis of SuFExable Pharmacophores from 2â€Substitutedâ€Alkynylâ€1â€Sulfonyl Fluoride (SASF) Hubs. Angewandte Chemie, 2020, 132, 12560-12569.	1.6	26
337	A General Approach to Oâ€Sulfation by a Sulfur(VI) Fluoride Exchange Reaction. Angewandte Chemie - International Edition, 2020, 59, 18435-18441.	7.2	31
338	A Practical Approach to Ureas and Thiocarbamates: SO 2 F 2 â€Promoted Lossen Rearrangement of Hydroxamic Acid. ChemistrySelect, 2020, 5, 7817-7821.	0.7	7
339	Synthesis of 18F-Labeled Aryl Fluorosulfates via Nucleophilic Radiofluorination. Organic Letters, 2020, 22, 5511-5516.	2.4	14
340	Synthesis and spectral properties of 6â€²-triazolyl-dihydroxanthene-hemicyanine fused near-infrared dyes. New Journal of Chemistry, 2020, 44, 12208-12215.	1.4	3
341	Initial Analysis of the Arylomycin D Antibiotics. Journal of Natural Products, 2020, 83, 2112-2121.	1.5	6
342	Ex situ gas generation for lab scale organic synthesis. Reaction Chemistry and Engineering, 2020, 5, 615-631.	1.9	26
343	Oneâ€Pot Substitution of Aliphatic Alcohols Mediated by Sulfuryl Fluoride. Chemistry - A European Journal, 2020, 26, 4958-4962.	1.7	11
344	Accelerating sulfonyl fluoride synthesis through electrochemical oxidative coupling of thiols and potassium fluoride in flow. Journal of Flow Chemistry, 2020, 10, 191-197.	1.2	23
345	Arenesulfonyl Fluoride Synthesis via Copper-Catalyzed Fluorosulfonylation of Arenediazonium Salts. Organic Letters, 2020, 22, 2281-2286.	2.4	99
346	Deoxofluorination of (Hetero)aromatic Acids. Journal of Organic Chemistry, 2020, 85, 3110-3124.	1.7	24
347	Synthesis of Sulfonyl Fluorides from Sulfonamides. European Journal of Organic Chemistry, 2020, 2020, 2497-2500.	1.2	57
348	Sulfuryl Fluoride Mediated Synthesis of Amides and Amidines from Ketoximes via Beckmann Rearrangement. Chemistry - A European Journal, 2020, 26, 10402-10405.	1.7	12

#	Article	IF	Citations
350	Computation-Guided Development of the â€œClickâ€•ortho-Quinone Methide Cycloaddition with Improved Kinetics. Organic Letters, 2020, 22, 2920-2924.	2.4	4
351	Decarboxylative Thiolation of Redox-Active Esters to Thioesters by Merging Photoredox and Copper Catalysis. Organic Letters, 2020, 22, 3692-3696.	2.4	41
352	Rationally Designed Covalent BCL6 Inhibitor That Targets a Tyrosine Residue in the Homodimer Interface. ACS Medicinal Chemistry Letters, 2020, 11, 1269-1273.	1.3	22
353	Synthesis of 3-selanylbenzo[b]furans promoted by SelectFluorÂ®. RSC Advances, 2020, 10, 13975-13983.	1.7	25
354	Liganding Functional Tyrosine Sites on Proteins Using Sulfurâ€“Triazole Exchange Chemistry. Journal of the American Chemical Society, 2020, 142, 8270-8280.	6.6	56
355	Synthesis, Isolation and Crystal Structures of the Metalated Ylides [Cy₃Pâ€Câ€SO₂Tol]M (M = Li, Na, K). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 835-841.	0.6	12
356	Preparation of aryl polysulfonates via a highly efficient SuFEx click reaction, their controllable degradation and functionalized behavior. Polymer Chemistry, 2020, 11, 3120-3124.	1.9	17
357	Diversity Oriented Clicking (DOC): Divergent Synthesis of SuFExable Pharmacophores from 2â€Substitutedâ€Alkynylâ€1â€Sulfonyl Fluoride (SASF) Hubs. Angewandte Chemie - International Edition, 2020, 59, 12460-12469.	7.2	83
358	Design of next-generation covalent inhibitors: Targeting residues beyond cysteine. Annual Reports in Medicinal Chemistry, 2021, 56, 95-134.	0.5	7
359	In Cellulo Generation of Fluorescent Probes for Liveâ€Cell Imaging of Cylooxygenaseâ€2. Chemistry - A European Journal, 2021, 27, 3326-3337.	1.7	4
360	Radical Fluorosulfonylation: Accessing Alkenyl Sulfonyl Fluorides from Alkenes. Angewandte Chemie, 2021, 133, 4002-4006.	1.6	18
361	Radical Fluorosulfonylation: Accessing Alkenyl Sulfonyl Fluorides from Alkenes. Angewandte Chemie - International Edition, 2021, 60, 3956-3960.	7.2	66
362	Covalent peptides and proteins for therapeutics. Bioorganic and Medicinal Chemistry, 2021, 29, 115896.	1.4	38
363	10 years into the resurgence of covalent drugs. Future Medicinal Chemistry, 2021, 13, 193-210.	1.1	66
364	Modular Click Chemistry Library: Searching for Better Functions. Chinese Journal of Chemistry, 2021, 39, 1025-1027.	2.6	6
365	A Broadâ€Spectrum Catalytic Amidation of Sulfonyl Fluorides and Fluorosulfates**. Angewandte Chemie - International Edition, 2021, 60, 7397-7404.	7.2	48
366	Radical coupling of arylthiodifluoroacetic acids and ethynylbenziodoxolone (EBX) reagents to access arylthiodifluoromethylated alkynes. Journal of Fluorine Chemistry, 2021, 242, 109715.	0.9	5
367	Target Validationâ€”Prosecuting the Target. , 2021, , .		0

#	Article	IF	Citations
368	A novel three-component reaction for constructing indolizine-containing aliphatic sulfonyl fluorides. Organic Chemistry Frontiers, 2021, 8, 1185-1189.	2.3	16
369	Molecular design principles of ionic liquids with a sulfonyl fluoride moiety. New Journal of Chemistry, 2021, 45, 2443-2452.	1.4	13
370	Radical-mediated vicinal addition of alkoxysulfonyl/fluorosulfonyl and trifluoromethyl groups to aryl alkyl alkynes. Chemical Science, 2021, 12, 11762-11768.	3.7	14
371	Covalent Inhibition of Wild-Type HIV-1 Reverse Transcriptase Using a Fluorosulfate Warhead. ACS Medicinal Chemistry Letters, 2021, 12, 249-255.	1.3	15
372	Organoiodine-Catalyzed Enantioselective Intermolecular Oxyamination of Alkenes. Journal of the American Chemical Society, 2021, 143, 1745-1751.	6.6	33
373	Direct screening of a target-specific covalent binder: stringent regulation of warhead reactivity in a matchmaking environment. Chemical Communications, 2021, 57, 5378-5381.	2.2	7
374	1,2,3-Triazole-based sequence-defined oligomers and polymers. Polymer Chemistry, 2021, 12, 2668-2688.	1.9	27
375	Chemistry for the Identification of Therapeutic Targets: Recent Advances and Future Directions. European Journal of Organic Chemistry, 2021, 2021, 1307-1320.	1.2	5
376	Chemoproteomic profiling of kinases in live cells using electrophilic sulfonyl triazole probes. Chemical Science, 2021, 12, 3295-3307.	3.7	20
377	Nickelâ€•and Palladiumâ€Catalyzed Crossâ€Coupling of Aryl Fluorosulfonates and Phosphites: Synthesis of Aryl Phosphonates. European Journal of Organic Chemistry, 2021, 2021, 810-813.	1.2	15
378	Deoxyfluorination of alcohols with aryl fluorosulfonates. Chemical Communications, 2021, 57, 8170-8173.	2.2	6
379	A general approach to nitrile- and sulfonyl fluoride-substituted cyclopropanes. Organic and Biomolecular Chemistry, 2021, 19, 6021-6024.	1.5	4
380	Development and biological applications of sulfurâ€“triazole exchange (SuTEx) chemistry. RSC Chemical Biology, 2021, 2, 322-337.	2.0	18
381	Design, synthesis, and evaluation of positron emission tomography/fluorescence dual imaging probes for targeting facilitated glucose transporter 1 (GLUT1). Organic and Biomolecular Chemistry, 2021, 19, 3241-3254.	1.5	7
382	Highly Enantioselective Addition of N-2,2,2-Trifluoroethylisatin Ketimines to Ethylene Sulfonyl Fluoride. Journal of Organic Chemistry, 2021, 86, 3041-3048.	1.7	14
383	Photoredox-catalyzed aminofluorosulfonylation of unactivated olefins. Chemical Science, 2021, 12, 9359-9365.	3.7	45
384	Structureâ€“activity relationship, in vitro and in vivo evaluation of novel dienyl sulphonyl fluorides as selective BuChE inhibitors for the treatment of Alzheimer's disease. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 1860-1873.	2.5	5
385	Metal-free syntheses ofN-functionalized andNH-1,2,3-triazoles: an update on recent developments. Chemical Communications, 2021, 57, 1568-1590.	2.2	42

#	Article	IF	Citations
386	A Broadâ€Spectrum Catalytic Amidation of Sulfonyl Fluorides and Fluorosulfates**. Angewandte Chemie, 2021, 133, 7473-7480.	1.6	4
387	Acetal Addition to Electron-Deficient Alkenes with Hydrogen Atom Transfer as a Radical Chain Propagation Step. Journal of Organic Chemistry, 2021, 86, 3674-3682.	1.7	11
388	Polysulfonate supported chiral diamine-nickel catalysts: Synthesis and applications. Tetrahedron Letters, 2021, 65, 152792.	0.7	7
389	Sulfur [¹⁸F]Fluoride Exchange Click Chemistry Enabled Ultrafast Late-Stage Radiosynthesis. Journal of the American Chemical Society, 2021, 143, 3753-3763.	6.6	89
390	Recent progress in the synthesis of sulfonyl fluorides for SuFEx click chemistry. Chinese Chemical Letters, 2021, 32, 2736-2750.	4.8	41
391	Late-Stage ¹⁸F/¹⁹F Isotopic Exchange for the Synthesis of ¹⁸F-Labeled Sulfamoyl Fluorides. Organic Letters, 2021, 23, 2766-2771.	2.4	15
393	Covalent Small Molecule Immunomodulators Targeting the Protease Active Site. Journal of Medicinal Chemistry, 2021, 64, 5291-5322.	2.9	11
395	Progress toward B-Cell Lymphoma 6 BTB Domain Inhibitors for the Treatment of Diffuse Large B-Cell Lymphoma and Beyond. Journal of Medicinal Chemistry, 2021, 64, 4333-4358.	2.9	16
396	Deoxyfluorination of Carboxylic, Sulfonic, Phosphinic Acids and Phosphine Oxides by Perfluoroalkyl Ether Carboxylic Acids Featuring <scp>CF₂O</scp> Units. Chinese Journal of Chemistry, 2021, 39, 1225-1232.	2.6	15
397	Click chemistry strategies for the accelerated synthesis of functional macromolecules. Journal of Polymer Science, 2021, 59, 963-1042.	2.0	131
398	Bioorthogonal chemistry. Nature Reviews Methods Primers, 2021, 1, .	11.8	201
399	Rim-differentiated pillar[5]arenes. Chinese Chemical Letters, 2021, 32, 3322-3330.	4.8	23
400	Recent developments of synthesis and biological activity of sultone scaffolds in medicinal chemistry. Arabian Journal of Chemistry, 2021, 14, 103037.	2.3	13
401	Metalâ€Free Visibleâ€Light Synthesis of Arylsulfonyl Fluorides: Scope and Mechanism. Chemistry - A European Journal, 2021, 27, 8704-8708.	1.7	37
402	Rapid Access to N-Protected Sulfonimidoyl Fluorides: Divergent Synthesis of Sulfonamides and Sulfonimidamides. Organic Letters, 2021, 23, 3975-3980.	2.4	23
403	Recent Advances in the Electrochemical Synthesis of Organosulfur Compounds. Chemical Record, 2021, 21, 2526-2537.	2.9	34
404	Synthesis of Novel Pesticidal N,Nâ€²-Disubstituted Sulfamide Derivatives Using Sulfur(VI) Fluorine Exchange Click Reaction. Journal of Agricultural and Food Chemistry, 2021, 69, 5798-5803.	2.4	15
405	Enantioselective Addition of Azlactones to Ethylene Sulfonyl Fluoride via Dual Catalysis. Organic Letters, 2021, 23, 4228-4232.	2.4	11

#	Article	IF	Citations
406	The Emerging Applications of Sulfur(VI) Fluorides in Catalysis. ACS Catalysis, 2021, 11, 6578-6589.	5.5	80
407	Covalently Crosslinked Hydrogels via Stepâ€Growth Reactions: Crosslinking Chemistries, Polymers, and Clinical Impact. Advanced Materials, 2021, 33, e2006362.	11.1	95
408	Complementary Site-Selective Sulfonylation of Aromatic Amines by Superacid Activation. Organic Letters, 2021, 23, 4115-4120.	2.4	9
409	Bioorthogonal Reactions of Triarylphosphines and Related Analogues. Chemical Reviews, 2021, 121, 6802-6849.	23.0	42
410	Exploration of the Reactivity of Multivalent Electrophiles for Affinity Labeling: Sulfonyl Fluoride as a Highly Efficient and Selective Label. Angewandte Chemie, 2021, 133, 17217-17224.	1.6	3
411	Modular Synthesis of Alkenyl Sulfamates and Î²-Ketosulfonamides via Sulfur(VI) Fluoride Exchange (SuFEx) Click Chemistry and Photomediated 1,3-Rearrangement. Organic Letters, 2021, 23, 5271-5276.	2.4	10
412	Cu-catalyzed endo-selective asymmetric 1,3-dipolar cycloaddition of azomethine ylides with ethenesulfonyl fluorides: Efficient access to chiral pyrrolidine-3-sulfonyl fluorides. Chinese Chemical Letters, 2021, 32, 4029-4032.	4.8	13
413	SuFExable Isocyanides for Ugi Reaction: Synthesis of Sulfonyl Fluoro Peptides. Organic Letters, 2021, 23, 5197-5202.	2.4	13
415	A Compendium of the Most Promising Synthesized Organic Compounds against Several Fusarium oxysporum Species: Synthesis, Antifungal Activity, and Perspectives. Molecules, 2021, 26, 3997.	1.7	6
417	Heteroaliphatic Dimethylphosphine Oxide Building Blocks: Synthesis and Physicoâ€Chemical Properties. European Journal of Organic Chemistry, 2021, 2021, 6591-6603.	1.2	7
418	Direct one step dehydrogenative C-H sulfonimidation of unfunctionalized arenes: A conveneient protocol to emerging medicinal chemistry motifs without prefunctionalized arenes. Tetrahedron Letters, 2021, 73, 153118.	0.7	4
419	Exploration of the Reactivity of Multivalent Electrophiles for Affinity Labeling: Sulfonyl Fluoride as a Highly Efficient and Selective Label. Angewandte Chemie - International Edition, 2021, 60, 17080-17087.	7.2	10
420	Synthetic Routes to Arylsulfonyl Fluorides. Catalysts, 2021, 11, 830.	1.6	20
421	A simple method to generate [18F]triflyl fluoride for 18F radiosynthesis. Tetrahedron Letters, 2021, 78, 153273.	0.7	3
422	Identification of simple arylfluorosulfates as potent agents against resistant bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	26
423	2-(2-(Fluorosulfonyloxy)phenyl)benzoxazole. MolBank, 2021, 2021, M1242.	0.2	2
424	A Genetically Encoded Fluorosulfonyloxybenzoyl-<scp>l</scp>-lysine for Expansive Covalent Bonding of Proteins via SuFEx Chemistry. Journal of the American Chemical Society, 2021, 143, 10341-10351.	6.6	50
425	Enhanced Osteogenesis of Dental Pulp Stem Cells In Vitro Induced by Chitosanâ€“PEG-Incorporated Calcium Phosphate Cement. Polymers, 2021, 13, 2252.	2.0	6

#	Article	IF	Citations
426	How do we address neglected sulfur pharmacophores in drug discovery?. Expert Opinion on Drug Discovery, 2021, 16, 1227-1231.	2.5	48
428	Electrochemical Heteroatomâ€Heteroatom Bond Construction. Chemical Record, 2022, 22, .	2.9	14
429	Fluorosulfuryl Isocyanate Enabled SuFEx Ligation of Alcohols and Amines. Angewandte Chemie, 2021, 133, 21365-21369.	1.6	3
430	Unified Approach to Benzo[d]thiazol-2-yl-Sulfonamides. Journal of Organic Chemistry, 2021, 86, 11291-11309.	1.7	3
431	SuFEx-Click Approach for the Synthesis of Soluble Polymer-Bound MacMillan Catalysts for the Asymmetric Dielsâ€“Alder Reaction. Catalysts, 2021, 11, 1044.	1.6	3
432	SuFExable polymers with helical structures derived from thionyl tetrafluoride. Nature Chemistry, 2021, 13, 858-867.	6.6	74
433	Fluorosulfuryl Isocyanate Enabled SuFEx Ligation of Alcohols and Amines. Angewandte Chemie - International Edition, 2021, 60, 21195-21199.	7.2	13
434	Chemically Triggered Click and Declick Reactions: Application in Synthesis and Degradation of Thermosetting Plastics. ACS Macro Letters, 2021, 10, 1125-1131.	2.3	14
435	Introducing A New Class of Sulfonyl Fluoride Hubs via Radical Chloroâ€Fluorosulfonylation of Alkynes. Angewandte Chemie - International Edition, 2021, 60, 22035-22042.	7.2	54
436	Direct Target Site Identification of a Sulfonylâ€“Triazole Covalent Kinase Probe by LC-MS Chemical Proteomics. Analytical Chemistry, 2021, 93, 11946-11955.	3.2	10
437	Introducing A New Class of Sulfonyl Fluoride Hubs via Radical Chloroâ€Fluorosulfonylation of Alkynes. Angewandte Chemie, 2021, 133, 22206-22213.	1.6	7
438	Scalable Approach to Fluorinated Heterocycles with Sulfur Tetrafluoride (SF₄). Journal of Organic Chemistry, 2021, 86, 12181-12198.	1.7	12
439	Nature Chose Phosphates and Chemists Should Too: How Emerging P(V) Methods Can Augment Existing Strategies. ACS Central Science, 2021, 7, 1473-1485.	5.3	41
440	Reactivity Analysis of New Multivalent Electrophilic Probes for Affinity Labeling of Carbohydrate Binding Proteins. ChemBioChem, 2021, , .	1.3	1
442	Desulfonative Suzukiâ€“Miyaura Coupling of Sulfonyl Fluorides. Angewandte Chemie, 2021, 133, 25511-25516.	1.6	4
443	Sideâ€Chain Type Polysulfates: Their Synthesis, AIE Properties and Applications for p â€Nitrophenol Detection in Water. Chemistry - an Asian Journal, 2021, 16, 3202-3208.	1.7	3
444	Emerging Building Blocks for Medicinal Chemistry: Recent Synthetic Advances. European Journal of Organic Chemistry, 2021, 2021, 6478-6510.	1.2	57
445	Copper-Promoted Conjugate Addition of Carboxylic Acids to Ethenesulfonyl Fluoride (ESF) for Constructing Aliphatic Sulfonyl Fluorides. ACS Omega, 2021, 6, 25972-25981.	1.6	5

#	Article	IF	Citations
446	Visibleâ€Lightâ€Mediated Synthesis of Sulfonyl Fluorides from Arylazo Sulfones. Advanced Synthesis and Catalysis, 2022, 364, 341-347.	2.1	16
447	Fluorosulfonylferrocene, (Trifluoromethylsulfonyl)ferrocene and New Ferrocenyl Sulfonates: Directed ortho Lithiation and New Anionic Thiaâ€Fries Rearrangements at Ferrocene. European Journal of Inorganic Chemistry, 2021, 2021, 4903-4914.	1.0	5
448	Desulfonative Suzukiâ€“Miyaura Coupling of Sulfonyl Fluorides. Angewandte Chemie - International Edition, 2021, 60, 25307-25312.	7.2	13
449	Recent progress in covalent warheads for in vivo targeting of endogenous proteins. Bioorganic and Medicinal Chemistry, 2021, 47, 116386.	1.4	26
450	Transition metal-free regioselective synthesis of triazolyl aliphatic sulfonyl fluorides. Tetrahedron, 2021, 98, 132425.	1.0	4
451	On the performance of liquid-liquid Taylor flow electrochemistry in a microreactor â€“ A CFD study. Chemical Engineering Journal, 2022, 427, 131443.	6.6	8
452	Sulfur(VI) Fluoride Exchange (SuFEx)-Mediated Synthesis of the Chitosan-PEG Conjugate and Its Supramolecular Hydrogels for Protein Delivery. Nanomaterials, 2021, 11, 318.	1.9	7
453	Inhibition of thrombin activity by a covalent-binding aptamer and reversal by the complementary strand antidote. Chemical Communications, 2021, 57, 2483-2486.	2.2	11
454	Copper-catalyzed three-component reaction of arylhydrazine hydrochloride, DABSO, and NFSI for the synthesis of arenesulfonyl fluorides. Organic and Biomolecular Chemistry, 2021, 19, 8999-9003.	1.5	11
455	Palladium-catalyzed one-pot phosphorylation of phenols mediated by sulfuryl fluoride. Chemical Communications, 2021, 57, 4588-4591.	2.2	21
456	Covalent PROTACs: the best of both worlds?. RSC Medicinal Chemistry, 2021, 12, 1452-1458.	1.7	19
457	Light-induced [2 + 2] cycloadditions for the construction of cyclobutane-fused pyridinyl sulfonyl fluorides. Organic and Biomolecular Chemistry, 2020, 18, 4019-4023.	1.5	15
458	Dendrimer Based Nanoarchitectures in Diabetes Management: An Overview. Current Pharmaceutical Design, 2019, 25, 2569-2583.	0.9	20
460	On-Water Selectivity Switch in Microdroplets in the 1,2,3-Triazole Synthesis from Bromoethenesulfonyl Fluoride. Journal of the American Chemical Society, 2021, 143, 18374-18379.	6.6	17
461	SO2F2-mediated oxidation of primary and tertiary amines with 30% aqueous H2O2 solution. Tetrahedron Letters, 2021, 84, 153457.	0.7	3
462	Lysine Covalent Antagonists of Melanoma Inhibitors of Apoptosis Protein. Journal of Medicinal Chemistry, 2021, 64, 16147-16158.	2.9	12
463	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
464	Development of an Enzymeâ€Inhibitor Reaction Using Cellular Retinoic Acid Binding Protein II for Oneâ€Pot Megamolecule Assembly. Chemistry - A European Journal, 2021, , .	1.7	3

#	Article	IF	Citations
465	Sulfonyl Fluorides and Their Analogs Deoxofluorination. , 2020, , 1-9.		0
466	Sulfonyl Fluorides and Their Analogsâ€™ Deoxofluorination. , 2020, , 589-597.		0
467	The chemistry of ferrocenesulfonyl fluoride revealed. Dalton Transactions, 2021, 50, 16483-16487.	1.6	5
468	Electrochemical Oxoâ€Fluorosulfonylation of Alkynes under Air:ÂFacile Access to Î²â€Keto Sulfonyl Fluorides. Angewandte Chemie, 0, , .	1.6	38
469	Electrochemical Oxoâ€Fluorosulfonylation of Alkynes under Air: Facile Access to Î²â€Keto Sulfonyl Fluorides. Angewandte Chemie - International Edition, 2021, 60, 27271-27276.	7.2	52
470	Sulfur (VI) Fluoride Exchange (SuFEx) and Azide Formation Reactions Using a Fluorosulfuryl Group. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 979-980.	0.0	0
471	Enamine Ltd.: The Science and Business of Organic Chemistry and Beyond. European Journal of Organic Chemistry, 2021, 2021, 6474-6477.	1.2	18
472	Accelerated SuFEx Click Chemistry For Modular Synthesis**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	52
473	Photochemical and Electrochemical Applications of Proton-Coupled Electron Transfer in Organic Synthesis. Chemical Reviews, 2022, 122, 2017-2291.	23.0	211
474	Accelerated SuFEx Click Chemistry For Modular Synthesis**. Angewandte Chemie, 2022, 134, .	1.6	6
475	New covalent bonding ability for proteins. Protein Science, 2022, 31, 312-322.	3.1	15
476	Click Chemistry in Natural Product Modification. Frontiers in Chemistry, 2021, 9, 774977.	1.8	16
477	Photons or Electrons? A Critical Comparison of Electrochemistry and Photoredox Catalysis for Organic Synthesis. Chemical Reviews, 2022, 122, 2487-2649.	23.0	210
478	Flipping the Switch: Innovations in Inducible Probes for Protein Profiling. ACS Chemical Biology, 2021, 16, 2719-2730.	1.6	6
479	ADC Linkers Strategies for the Release of Alcohol-containing Payloads. RSC Drug Discovery Series, 2021, , 232-262.	0.2	2
480	Genetically encoding latent bioreactive amino acids and the development of covalent protein drugs. Current Opinion in Chemical Biology, 2022, 66, 102106.	2.8	13
481	Arenesulfonyl fluoride synthesis via one-pot copper-free Sandmeyer-type three-component reaction of aryl amine, K2S2O5, and NFSI. Journal of Fluorine Chemistry, 2022, 254, 109948.	0.9	7
482	An N-Fluorinated Imide for Practical Catalytic Imidations. Journal of the American Chemical Society, 2022, 144, 2107-2113.	6.6	7

#	Article	IF	Citations
483	â€˜Awakenâ€™ aryl sulfonyl fluoride: a new partner in the Suzukiâ€“Miyaura coupling reaction. New Journal of Chemistry, 2022, 46, 3560-3564.	1.4	5
484	Cu-mediated vs. Cu-free selective borylation of aryl alkyl sulfones. Chemical Communications, 2022, 58, 395-398.	2.2	11
485	Radikalische 1â€Fluorsulfonylâ€2â€alkinylierung von nicht aktivierten Alkenen. Angewandte Chemie, 0, , .	1.6	5
486	Radical 1â€Fluorosulfonylâ€2â€alkynylation of Unactivated Alkenes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	34
487	Amino-oxetanes as amide isosteres by an alternative defluorosulfonylative coupling of sulfonyl fluorides. Nature Chemistry, 2022, 14, 160-169.	6.6	30
488	Click chemistry connections for functional discovery. , 2022, 1, 8-10.		32
489	Configurationally Chiral SuFExâ€Based Polymers. Angewandte Chemie, 2022, 134, .	1.6	4
490	Reactive chemistry for covalent probe and therapeutic development. Trends in Pharmacological Sciences, 2022, 43, 249-262.	4.0	12
491	Synthesis of aryl sulfonyl fluorides from aryl sulfonyl chlorides using sulfuryl fluoride (SO2F2) as fluoride provider. Tetrahedron, 2022, 108, 132657.	1.0	5
492	Configurationally Chiral SuFExâ€Based Polymers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	28
493	RAFT-Based Polymers for Click Reactions. Polymers, 2022, 14, 570.	2.0	9
494	SuFEx-enabled, chemoselective synthesis of triflates, triflamides and triflimidates. Chemical Science, 2022, 13, 2270-2279.	3.7	7
495	Bio-click chemistry: a bridge between biocatalysis and click chemistry. RSC Advances, 2022, 12, 1932-1949.	1.7	7
496	Aliphatic sulfonyl fluoride synthesis via reductive decarboxylative fluorosulfonylation of aliphatic carboxylic acid NHPI esters. Organic Chemistry Frontiers, 2022, 9, 1115-1120.	2.3	29
497	Sulfonyl fluorides as targets and substrates in the development of new synthetic methods. Nature Reviews Chemistry, 2022, 6, 146-162.	13.8	100
498	One-pot synthesis of polysulfonate by a cascading sulfur(<scp>vi</scp>) fluorine exchange (SuFEx) reaction and cyanosilylation of aldehyde. Polymer Chemistry, 2022, 13, 1260-1266.	1.9	2
499	SO₂F₂â€Promoted Dehydroxylative Fluorination of Alcohols. ChemistrySelect, 2022, 7, .	0.7	3
500	Inverse Drug Discovery identifies weak electrophiles affording protein conjugates. Current Opinion in Chemical Biology, 2022, 67, 102113.	2.8	10

#	Article	IF	Citations
501	Oxygenâ€Demanding Photocontrolled RAFT Polymerization Under Ambient Conditions. Macromolecular Rapid Communications, 2022, 43, e2100920.	2.0	11
502	Oneâ€Pot Manganese (IV)â€Mediated Synthesis of Sulfonyl Fluorides from Arylhydrazines. Asian Journal of Organic Chemistry, 0, , .	1.3	1
503	SuFExable NH-Pyrazoles via 1,3-Dipolar Cycloadditions of Diazo Compounds with Bromoethenylsulfonyl Fluoride. Journal of Organic Chemistry, 2022, 87, 3868-3873.	1.7	9
504	Chemical Reporters for Bacterial Glycans: Development and Applications. Chemical Reviews, 2022, 122, 3336-3413.	23.0	45
505	Redox-Neutral Organometallic Elementary Steps at Bismuth: Catalytic Synthesis of Aryl Sulfonyl Fluorides. Journal of the American Chemical Society, 2021, 143, 21497-21502.	6.6	58
506	A cascade reaction for regioselective construction of pyrazole-containing aliphatic sulfonyl fluorides. Organic and Biomolecular Chemistry, 2022, 20, 3506-3510.	1.5	5
507	Modular synthesis of triazoles from 2-azidoacrylamides having a nucleophilic amino group. Organic and Biomolecular Chemistry, 2022, 20, 6007-6011.	1.5	1
508	Quantitative and convenient real-time reaction monitoring using stopped-flow benchtop NMR. Reaction Chemistry and Engineering, 2022, 7, 1061-1072.	1.9	10
509	Development and application of Diels-Alder adducts displaying AIE properties. Cell Reports Physical Science, 2022, 3, 100766.	2.8	5
510	Covalently Engineered Protein Minibinders with Enhanced Neutralization Efficacy against Escaping SARS-CoV-2 Variants. Journal of the American Chemical Society, 2022, 144, 5702-5707.	6.6	24
511	Sulfonium Triggered Alkyneâ€“Azide Click Cycloaddition. Organic Letters, 2022, 24, 1448-1453.	2.4	8
512	Selectivity Controlled Hydroamination of Alkynes to Sulfonyl Fluoride Hubs: Development and Application. Journal of Organic Chemistry, 2022, 87, 4998-5004.	1.7	4
514	Catalytic Decarboxylative Fluorosulfonylation Enabled by Energy-Transfer-Mediated Photocatalysis. Organic Letters, 2022, 24, 2474-2478.	2.4	36
515	Sulfondiimidamides unlocked as new S(VI) hubs for synthesis and drug discovery. CheM, 2022, , .	5.8	0
516	(Hetero)arylâ€S^{VI} Fluorides: Synthetic Development and Opportunities. Angewandte Chemie, 2022, 134, .	1.6	18
517	(Hetero)arylâ€S^{VI} Fluorides: Synthetic Development and Opportunities. Angewandte Chemie - International Edition, 2022, 61, .	7.2	38
518	Preparation of Î±,Ï‰â€heterobifunctionalized poly(Nâ€vinylpyrrolidone) via a bisâ€clickable <scp>RAFT</scp> reagent. Journal of Polymer Science, 2022, 60, 1954-1961.	2.0	2
520	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

#	Article	IF	Citations
521	Fatty Acyl Sulfonyl Fluoride as an Activityâ€Based Probe for Profiling Fatty Acidâ€Associated Proteins in Living Cells. ChemBioChem, 2022, 23, e202100628.	1.3	3
522	A Close-up Look at the Chemical Space of Commercially Available Building Blocks for Medicinal Chemistry. Journal of Chemical Information and Modeling, 2022, 62, 2171-2185.	2.5	32
523	Cellâ€Active, Reversible, and Irreversible Covalent Inhibitors That Selectively Target the Catalytic Lysine of BCRâ€ABL Kinase. Angewandte Chemie - International Edition, 2022, 61, .	7.2	24
524	Cellâ€Active, Reversible, and Irreversible Covalent Inhibitors That Selectively Target the Catalytic Lysine of BCRâ€ABL Kinase. Angewandte Chemie, 2022, 134, .	1.6	6
525	Electrochemical Synthesis of Sulfonyl Fluorides with Triethylamine Hydrofluoride. Chinese Journal of Chemistry, 2022, 40, 1687-1692.	2.6	24
526	Photocatalytic access to aromatic keto sulfonyl fluorides from vinyl fluorosulfates. Organic Chemistry Frontiers, 2022, 9, 3540-3545.	2.3	12
527	Covalent Immune Proximity-Induction Strategy Using SuFEx-Engineered Bifunctional Viral Peptides. ACS Chemical Biology, 2022, 17, 1269-1281.	1.6	10
528	Click Bioconjugation: Modifying Proteins Using Clickâ€Like Chemistry. ChemBioChem, 2022, 23, .	1.3	18
529	Thionyl Fluoride-Mediated One-Pot Substitutions and Reductions of Carboxylic Acids. Journal of Organic Chemistry, 2022, 87, 7308-7318.	1.7	10
530	Divergent sulfur(VI) fluoride exchange linkage of sulfonimidoyl fluorides and alkynes. , 2022, 1, 455-463.		35
531	Photocatalytic Late-Stage Functionalization of Sulfonamides via Sulfonyl Radical Intermediates. ACS Catalysis, 2022, 12, 6060-6067.	5.5	25
532	Electrochemical Synthesis of Î²-Keto Sulfonyl Fluorides via Radical Fluorosulfonylation of Vinyl Triflates. Organic Letters, 2022, 24, 3702-3706.	2.4	25
533	Biologically Derived Neoproteoglycans for Profiling Proteinâ€“Glycosaminoglycan Interactions. ACS Chemical Biology, 2022, 17, 1534-1542.	1.6	2
534	Selenylation Chemistry Suitable for Onâ€Plate Parallel and Onâ€DNA Library Synthesis Enabling Highâ€Throughput Medicinal Chemistry. Angewandte Chemie, 2022, 134, .	1.6	2
535	Selenylation Chemistry Suitable for Onâ€Plate Parallel and Onâ€DNA Library Synthesis Enabling Highâ€Throughput Medicinal Chemistry. Angewandte Chemie - International Edition, 2022, 61, .	7.2	15
536	Assembly of unsymmetrical 1,3,5-triarylbenzenes via tandem reaction of Î²-arylethenesulfonyl fluorides and Î±-cyano-Î²-methylenones. New Journal of Chemistry, 0, , .	1.4	0
537	Regioselective conjugate addition of isoxazol-5-ones to ethenesulfonyl fluoride. Organic and Biomolecular Chemistry, 2022, 20, 4714-4718.	1.5	4
538	Encoding latent SuFEx reactive meta-fluorosulfate tyrosine to expand covalent bonding of proteins. Chemical Communications, 2022, 58, 6861-6864.	2.2	5

#	Article	IF	Citations
539	Electrochemical Synthesis of Sulfonyl Fluorides from Sulfonyl Hydrazides. Organic Chemistry Frontiers, 0, , .	2.3	11
540	Binding S(VI) to alkynes. , 2022, 1, 415-416.		1
541	Regio- and Stereoselective Installation of Bromide onto Vinyl Sulfonyl Fluorides: Construction of a Class of Versatile Sulfur Fluoride Exchange Hubs. Organic Letters, 2022, 24, 4046-4051.	2.4	8
542	Olefination with Sulfonyl Halides and Esters: Synthesis of Unsaturated Sulfonyl Fluorides. Organic Letters, 2022, 24, 4270-4274.	2.4	8
543	Development of subtype-selective covalent ligands for the adenosine A2B receptor by tuning the reactive group. RSC Medicinal Chemistry, 0, , .	1.7	2
544	Introducing SuFEx click chemistry into aliphatic polycarbonates: a novel toolbox/platform for post-modification as biomaterials. Journal of Materials Chemistry B, 2022, 10, 5203-5210.	2.9	2
545	Hydrophobic Amplification Enabled Highâ€Turnover Phosphazene Superbase Catalysis. ChemSusChem, 2022, 15, .	3.6	6
546	A practical fluorosulfonylating platform via photocatalytic imidazolium-based SO2F radical reagent. Nature Communications, 2022, 13, .	5.8	34
547	<scp>Nickelâ€Catalyzed</scp> Electroreductive Syntheses of Triphenylenes Using <scp>orthoâ€Dihalobenzeneâ€Derived</scp> Benzynes. Chinese Journal of Chemistry, 2022, 40, 2335-2344.	2.6	13
548	A transfer learning approach for reaction discovery in small data situations using generative model. IScience, 2022, 25, 104661.	1.9	4
549	Explorations of complex thermally induced phase separation (C-TIPS) method for manufacturing novel diphenyl ether polysulfate flat microporous membranes. Journal of Membrane Science, 2022, 659, 120739.	4.1	8
550	Recent Advances in the Synthesis of 5â€MemberedNâ€Heterocycles via Rhodium Catalysed Cascade Reactions. ChemistrySelect, 2022, 7, .	0.7	8
551	Access to Sulfocoumarins by Threeâ€Component Reaction of Î²â€Keto Sulfonyl Fluorides, Arynes, and DMF. European Journal of Organic Chemistry, 2022, 2022, .	1.2	2
552	(3+2) Cycloadditions of Vinyl Sulfonyl Fluorides with Ethyl Diazoacetate or Azides: Metal-Free Synthesis of Pyrazole and Triazole Scaffolds via SO2 Elimination. Synthesis, 2022, 54, 4111-4119.	1.2	6
553	Calcium Bistriflimide-Mediated Sulfur(VI)â€“Fluoride Exchange (SuFEx): Mechanistic Insights toward Instigating Catalysis. Inorganic Chemistry, 2022, 61, 9746-9755.	1.9	8
554	Cereblon covalent modulation through structure-based design of histidine targeting chemical probes. RSC Chemical Biology, 2022, 3, 1105-1110.	2.0	23
555	Oxidation of Sulfides with SO₂F₂/H₂O₂/Base. Chinese Journal of Organic Chemistry, 2022, 42, 1545.	0.6	0
556	A regio- and stereoselective Heckâ€“Matsuda process for construction of Î³-aryl allylsulfonyl fluorides. RSC Advances, 2022, 12, 19402-19405.	1.7	2

#	Article	IF	Citations
557	Diazonium Salts for the Preparation of Carbon Composites with a Focus on Applications of Carbon Fibers. Physical Chemistry in Action, 2022, , 405-425.	0.1	1
558	Synthesis and ¹⁸F Labeling of Alkenyl Sulfonyl Fluorides via an Unconventional Elimination Pathway. Organic Letters, 2022, 24, 4992-4997.	2.4	8
559	Introducing SuFNucs: Sulfamoyl-Fluoride-Functionalized Nucleosides That Undergo Sulfur Fluoride Exchange Reaction. Organic Letters, 2022, 24, 4977-4981.	2.4	4
560	Photoredox catalytic radical fluorosulfonylation of olefins enabled by a bench-stable redox-active fluorosulfonyl radical precursor. Nature Communications, 2022, 13, .	5.8	37
561	Synthesis of Diazo Compounds by Using NaN₃ and Inexpensive SO₂F₂. European Journal of Organic Chemistry, 2022, 2022, .	1.2	1
562	Scalable, Chemoselective Nickel Electrocatalytic Sulfinylation of Aryl Halides with SO₂. Angewandte Chemie - International Edition, 2022, 61, .	7.2	32
563	SuFExâ€Enabled Elastic Polysulfates for Efficient Removal of Radioactive Iodomethane and Polar Aprotic Organics through Weak Intermolecular Forces. Angewandte Chemie, 2022, 134, .	1.6	1
564	Sulfurâ€“Phenolate Exchange: SuFExâ€Derived Dynamic Covalent Reactions and Degradation of SuFEx Polymers. Angewandte Chemie - International Edition, 2022, 61, .	7.2	13
565	SuFExâ€Enabled Elastic Polysulfates for Efficient Removal of Radioactive Iodomethane and Polar Aprotic Organics through Weak Intermolecular Forces. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
566	Î²â€Aminosulfonyl Fluorides via Waterâ€Accelerated Nâ€Heterocyclic Carbene Catalysis. ChemSusChem, 2022, 15, .	3.6	4
567	The 1,3â€Dipolar Cycloaddition: From Conception to Quantum Chemical Design. Chemistry - an Asian Journal, 2022, 17, .	1.7	13
568	Relative Nuclease Resistance of a DNA Aptamer Covalently Conjugated to a Target Protein. International Journal of Molecular Sciences, 2022, 23, 7778.	1.8	4
569	Scalable, Chemoselective Nickel Electrocatalytic Sulfinylation of Aryl Halides with SO₂. Angewandte Chemie, 2022, 134, .	1.6	2
570	Sulfurâ€“Phenolate Exchange: SuFExâ€Derived Dynamic Covalent Reactions and Degradation of SuFEx Polymers. Angewandte Chemie, 2022, 134, .	1.6	0
571	Fluorosulfate-containing pyrazole heterocycles as selective BuChE inhibitors: structure-activity relationship and biological evaluation for the treatment of Alzheimerâ€™s disease. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 2099-2111.	2.5	4
572	Enantioselective construction of ortho-sulfur- or nitrogen-substituted axially chiral biaryls and asymmetric synthesis of isoplagiochin D. Nature Communications, 2022, 13, .	5.8	10
573	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
574	Clickable Selenylation â€“ a Paradigm for Selenoâ€Medicinal Chemistry. ChemMedChem, 2022, 17, .	1.6	11

#	Article	IF	Citations
575	Cyclobutane Formation by the Reaction of Ethenesulfonyl Fluoride with Dimethyl Diazomalonate. European Journal of Organic Chemistry, 0, , .	1.2	2
576	Radical Hydroâ€Fluorosulfonylation of Unactivated Alkenes and Alkynes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	30
577	Radical Hydroâ€Fluorosulfonylation of Unactivated Alkenes and Alkynes. Angewandte Chemie, 2022, 134, .	1.6	4
578	Chemical modification of subcritical water for the dissolution of Si3N4 layer in the fabrication of microelectronic devices. Journal of Supercritical Fluids, 2022, 189, 105699.	1.6	1
579	Clickable polysaccharides for biomedical applications: A comprehensive review. Progress in Polymer Science, 2022, 133, 101590.	11.8	11
580	Macrocyclic polymers: Synthesis, purification, properties and applications. Progress in Polymer Science, 2022, 134, 101606.	11.8	14
581	Exhaustive Baeyerâ€“Villiger oxidation: a tailor-made post-polymerization modification to access challenging poly(vinyl acetate) copolymers. Chemical Science, 0, , .	3.7	0
582	Copper-catalyzed direct decarboxylative fluorosulfonylation of aliphatic carboxylic acids. Chemical Communications, 2022, 58, 9409-9412.	2.2	18
583	A late-stage functionalization tool: sulfonyl fluoride mediated deoxymethylation of phenols. Organic and Biomolecular Chemistry, 2022, 20, 7640-7644.	1.5	5
584	The covalent reactivity of functionalized 5-hydroxy-butyrolactams is the basis for targeting of fatty acid binding protein 5 (FABP5) by the neurotrophic agent MT-21. RSC Chemical Biology, 2022, 3, 1216-1229.	2.0	1
585	A diversity oriented clicking strategy: the stereoselective synthesis of highly-functionalised olefins from 2-substituted-alkynyl-1-sulfonyl fluorides. Chemical Communications, 2022, 58, 11316-11319.	2.2	6
586	A trade-off-free fluorosulfate-based flame-retardant electrolyte additive for high-energy lithium batteries. Journal of Materials Chemistry A, 2022, 10, 21933-21940.	5.2	4
587	Polymers from S-vinyl monomers: reactivities and properties. Polymer Chemistry, 2022, 13, 5019-5041.	1.9	7
588	Photoredox Catalytic Radical Fluorosulfonylation of Olefins. Chinese Journal of Organic Chemistry, 2022, 42, 2593.	0.6	1
589	Synthesis of 2-arylethenesulfonyl fluorides and isoindolinones: Ru-catalyzed Câ€“H activation of nitrones with ethenesulfonyl fluoride. Chemical Communications, 2022, 58, 11099-11102.	2.2	3
590	Fluorosulfonyl radicals: new horizons for the synthesis of sulfonyl fluorides. Organic Chemistry Frontiers, 2022, 9, 5299-5305.	2.3	14
591	Palladium-catalyzed Câ€“H olefination of uridine, deoxyuridine, uridine monophosphate and uridine analogues. RSC Advances, 2022, 12, 24930-24934.	1.7	5
592	Covalent drugs targeting histidine â€“ an unexploited opportunity?. RSC Medicinal Chemistry, 2022, 13, 1121-1126.	1.7	12

#	Article	IF	Citations
593	A reductive dehalogenative process for chemo- and stereoselective synthesis of 1,3-dienylsulfonyl fluorides. Organic and Biomolecular Chemistry, 2022, 20, 7776-7780.	1.5	1
594	Exploring the boundaries of ferrocenesulfonyl fluoride chemistry. Inorganic Chemistry Frontiers, 0, , .	3.0	0
595	Photocatalytic fluorosulfonylation of aliphatic carboxylic acid NHPI esters. Organic Chemistry Frontiers, 2022, 9, 4854-4860.	2.3	12
596	Aryl Fluorosulfate Based Inhibitors That Covalently Target the SIRT5 Lysine Deacylase**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	17
597	Postpolymerization modification of a sulfonyl fluorideâ€decorated polynorbornene using the sulfurâ€fluoride exchange click reaction. Journal of Polymer Science, 0, , .	2.0	0
598	Diversity oriented clicking delivers Î²-substituted alkenyl sulfonyl fluorides as covalent human neutrophil elastase inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	18
599	Aryl Fluorosulfate Based Inhibitors That Covalently Target the SIRT5 Lysine Deacylase**. Angewandte Chemie, 2022, 134, .	1.6	1
600	Photo-organocatalytic Synthesis of Î²-Keto Sulfonyl Fluorides via Radical Fluorosulfonylation of Vinyl Acetates. Synlett, 2023, 34, 471-476.	1.0	8
601	The Linkage of Sulfonimidoyl Fluorides and Unactivated Alkenes via Hydrosulfonimidoylation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	22
602	The Linkage of Sulfonimidoyl Fluorides and Unactivated Alkenes via Hydrosulfonimidoylation. Angewandte Chemie, 2022, 134, .	1.6	1
603	Discovery of a Novel Potent Antitumor Molecule, P19G1, by Erlotinib Derivative Libraries Synthesized by Modular Click-Chemistry. Technology in Cancer Research and Treatment, 2022, 21, 153303382211096.	0.8	0
604	Advanced approaches of developing targeted covalent drugs. RSC Medicinal Chemistry, 2022, 13, 1460-1475.	1.7	7
605	Suzukiâ€“Miyaura Cross-Coupling of Aryl Fluorosulfonates Mediated by Air- and Moisture-stable [Pd(NHC)(Î¼-Cl)Cl]₂Precatalysts: Broad Platform for Câ€“O Cross-Coupling of Stable Phenolic Electrophiles. Journal of Organic Chemistry, 2022, 87, 15250-15260.	1.7	6
606	The Nobel Prize in Chemistry 2022: Fulfilling Demanding Applications with Simple Reactions. ACS Chemical Biology, 2022, 17, 2959-2961.	1.6	18
607	Chemical and biology of sulfur fluoride exchange (SuFEx) click chemistry for drug discovery. Bioorganic Chemistry, 2023, 130, 106227.	2.0	27
608	Accelerated and Concerted Azaâ€Michael Addition and SuFEx Reaction in Microdroplets in Unitary and Highâ€Throughput Formats. Angewandte Chemie - International Edition, 2022, 61, .	7.2	14
609	Accelerated and Concerted Azaâ€Michael Addition and SuFEx Reaction in Microdroplets in Unitary and Highâ€Throughput Formats. Angewandte Chemie, 0, , .	1.6	0
610	Modular Synthesis of Phthalaldehyde Derivatives Enabling Access to Photoacid Generator-Bound Self-Immolative Polymer Resists with Next-Generation Photolithographic Properties. Journal of the American Chemical Society, 2022, 144, 19508-19520.	6.6	12

#	Article	IF	Citations
611	Radical Fluorosulfonyl Arylation of Alkenes: Accessing FSO₂-Functionalized Chromanes via Formal Endo and Exo Cyclization. Organic Letters, 2022, 24, 8170-8175.	2.4	9
612	Fluorescent Composites Prepared of Tb3+ and Sulfonated Sulfate Polymer Constructed through Post-Sulfonation Sulfur-Fluorine Exchange Polymerization by Symmetric Molecular. Symmetry, 2022, 14, 2293.	1.1	0
613	Rhodiumâ€Catalyzed Vinyl Sulfonylation of 3â€Carbonylâ€Substituted Indoles with Ethenesulfonyl Fluoride by Crossâ€Dehydrogenative Coupling: An Application in (3+2) Cycloaddition. European Journal of Organic Chemistry, 2022, 2022, .	1.2	2
614	Sulfur-Phenolate Exchange As a Fluorine-Free Approach to S(VI) Exchange Chemistry on Sulfonyl Moieties. Organic Letters, 2022, 24, 8621-8626.	2.4	7
615	Light-Promoted Dearylation of Perfluorinated Aryl Sulfides with N-Heterocyclic Carbeneâ€“Borane. Organic Letters, 2022, 24, 8559-8563.	2.4	1
616	Facile synthesis of sulfonyl fluorides from sulfonic acids. Chemical Communications, 2023, 59, 555-558.	2.2	11
617	Chemical modification of proteins â€“ challenges and trends at the start of the 2020s. Biomaterials Science, 2023, 11, 719-748.	2.6	10
618	[3 + 2] cycloaddition for the assembly of indolizine-based heterocyclic sulfonyl fluorides. Organic Chemistry Frontiers, 2023, 10, 342-347.	2.3	5
619	Sulfonylation of aryl boronic acids by sulfonyl fluorides in water under visible-light irradiation. Organic Chemistry Frontiers, 2023, 10, 404-409.	2.3	5
620	Acid-Mediated Imidazole-to-Fluorine Exchange for the Synthesis of Sulfonyl and Sulfonimidoyl Fluorides. Organic Letters, 2022, 24, 8802-8805.	2.4	6
621	Bimetallic Cooperatively Catalyzed Heteroarylation of Aryl Fluorosulfonates. European Journal of Organic Chemistry, 0, , .	1.2	1
622	Making functional connections: A summary of the Nobel Prize in Chemistry 2022. Chinese Science Bulletin, 2022, 67, 4332-4336.	0.4	0
623	Contrasting the Noncovalent Interactions of Aromatic Sulfonyl Fluoride and Sulfonyl Chloride Motifs via Crystallography and Hirshfeld Surfaces. ChemistrySelect, 2022, 7, .	0.7	1
624	A General Procedure for the Construction of 2-Alkyl-Substituted Vinyl Sulfonyl Fluoride. Organic Letters, 2022, 24, 9311-9315.	2.4	5
626	Nickel-Catalyzed Suzuki Coupling of Phenols Enabled by SuFEx of Tosyl Fluoride. Molecules, 2023, 28, 636.	1.7	0
627	High-performing polysulfate dielectrics for electrostatic energy storage under harsh conditions. Joule, 2023, 7, 95-111.	11.7	36
628	The Shuttle of Sulfur Dioxide: Iridium/Copperâ€Cocatalyzed Trifluoromethylfluorosulfonylation of Alkenes. Advanced Synthesis and Catalysis, 2023, 365, 301-306.	2.1	3
629	A general protocol for stereoselective construction of enaminyl sulfonyl fluorides. Organic Chemistry Frontiers, 2023, 10, 951-956.	2.3	3

#	Article	IF	Citations
630	Discovery of (E)-2-Methoxyethene-1-sulfonyl Fluoride for the Construction of Enaminyl Sulfonyl Fluoride. Journal of Organic Chemistry, 2023, 88, 1909-1917.	1.7	3
631	An Investigation into the In Vitro Metabolic Stability of Aryl Sulfonyl Fluorides for their Application in Medicinal Chemistry and Radiochemistry. Molecular Pharmaceutics, 0, , .	2.3	3
632	Profiling Sulfur(VI) Fluorides as Reactive Functionalities for Chemical Biology Tools and Expansion of the Ligandable Proteome. ACS Chemical Biology, 2023, 18, 285-295.	1.6	24
633	Synthesis of Degradable Polysulfamides via Sulfur(VI) Fluoride Exchange Click Polymerization of AB-Type Monomers. ACS Polymers Au, 2023, 3, 259-266.	1.7	5
634	In Vivo Applications of Bioorthogonal Reactions: Chemistry and Targeting Mechanisms. Chemistry - A European Journal, 2023, 29, .	1.7	17
635	A covalent opsonization approach to enhance synthetic immunity against viral escape variants. Cell Reports Physical Science, 2023, , 101258.	2.8	1
636	Sulfur-Phenolate Exchange as a Mild, Fast, and High-Yielding Method toward the Synthesis of Sulfonamides. Organic Letters, 2023, 25, 788-793.	2.4	3
637	Selective Fluorosulfonylation of Thianthrenium Salts Enabled by Electrochemistry. Organic Letters, 2023, 25, 581-586.	2.4	19
638	EnT-Mediated Nâ€“S Bond Homolysis of a Bifunctional Reagent Leading to Aliphatic Sulfonyl Fluorides. Journal of the American Chemical Society, 2023, 145, 2364-2374.	6.6	48
639	Proximity-enabled covalent binding of IL-2 to IL-2RÎ± selectively activates regulatory T cells and suppresses autoimmunity. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	10
640	Sulfur(<scp>vi</scp>) fluorides as tools in biomolecular and medicinal chemistry. Organic and Biomolecular Chemistry, 2023, 21, 1356-1372.	1.5	20
641	Atom-Transfer Radical Polymerization of a SuFExable Vinyl Monomer and Polymer Library Construction via SuFEx Click Reaction. Macromolecules, 2023, 56, 806-814.	2.2	2
642	Sulfur(<scp>iv</scp>) reagents for the SuFEx-based synthesis of substituted sulfamate esters. Chemical Science, 2023, 14, 1775-1780.	3.7	1
643	Photo-induced defluorination acyl fluoride exchange as a fluorogenic photo-click reaction for photo-affinity labeling. Chemical Science, 2023, 14, 3630-3641.	3.7	1
644	Organocatalytic stereoselective cationic polymerization of alkenyl vinyl ethers and post-functionalization via click chemistry. Giant, 2023, 14, 100151.	2.5	3
645	Photocatalytic conversion of aryl diazonium salts to sulfonyl fluorides. Tetrahedron, 2023, 139, 133364.	1.0	2
646	Advances in Activityâ€Based Protein Profiling of Functional Tyrosines in Proteomes. Israel Journal of Chemistry, 2023, 63, .	1.0	0
647	Alkyl Sulfonyl Fluorides Incorporating Geminal Dithioesters as SuFEx Click Hubs via Water-Accelerated Organosuperbase Catalysis. Organic Letters, 2023, 25, 1056-1060.	2.4	3

#	Article	IF	Citations
648	Mechanistic Modeling of Lys745 Sulfonylation in EGFR C797S Reveals Chemical Determinants for Inhibitor Activity and Discriminates Reversible from Irreversible Agents. Journal of Chemical Information and Modeling, 2023, 63, 1301-1312.	2.5	3
649	bioTCIs: Middle-to-Macro Biomolecular Targeted Covalent Inhibitors Possessing Both Semi-Permanent Drug Action and Stringent Target Specificity as Potential Antibody Replacements. International Journal of Molecular Sciences, 2023, 24, 3525.	1.8	1
650	Radical Fluorosulfonyl Heteroarylation of Unactivated Alkenes with Quinoxalin-2(1H)-ones and Related N-Heterocycles. Organic Letters, 2023, 25, 1088-1093.	2.4	16
651	Serine Hydrolase Activityâ€Based Probes for Use in Chemical Proteomics. Israel Journal of Chemistry, 2023, 63, .	1.0	1
652	Synthesis of aza-S(VI) motifs. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-7.	0.8	0
653	Synthesis of Pyrazolo[1,5-a]pyridinyl, Pyrazolo[1,5-a]quinolinyl, and Pyrazolo[5,1-a]isoquinolinyl Sulfonyl Fluorides via a [3 + 2] Annulation. Journal of Organic Chemistry, 2023, 88, 3266-3276.	1.7	6
654	[18F]Tosyl fluoride as a versatile [18F]fluoride source for the preparation of 18F-labeled radiopharmaceuticals. Scientific Reports, 2023, 13, .	1.6	2
655	Photocatalytic Sulfonyl Fluorination of Alkyl Organoboron Substrates. ACS Catalysis, 2023, 13, 3668-3675.	5.5	13
656	Synthetic strategies for fluorosulfonylated compounds: application to click chemistry reactions. Catalysis Science and Technology, 2023, 13, 2597-2617.	2.1	8
657	Trendbericht Organische Chemie 2023. Nachrichten Aus Der Chemie, 2023, 71, 40-66.	0.0	0
658	Palladiumâ€Catalyzed Cyclopropanation of Aryl/Heteroaryl Fluoroâ€sulfonates. ChemistrySelect, 2023, 8, .	0.7	1
659	Pd/Ni Coâ€catalyzed Selective Crossâ€Coupling of Aryl Bromides and Aryl Fluorosulfonates at Room Temperature. European Journal of Organic Chemistry, 2023, 26, .	1.2	3
660	Traceless Nâ€Polyfluoroalkylation of Weakly Nucleophilic Nitrogen Containing Compounds. Chemistry - A European Journal, 2023, 29, .	1.7	4
661	A Lateâ€Stage Aryl Câ€“H Olefination Strategy and Its Application Towards Global Proteome Profiling of Î”⁸â€Tetrahydrocannabinol. Chemistry - A European Journal, 2023, 29, .	1.7	1
662	Synthesis of Sulfonyl Fluorides Using Direct Chloride/Fluoride Exchange in Potassium Fluoride and Water/Acetone. Journal of Organic Chemistry, 2023, 88, 4761-4764.	1.7	7
663	Alkyl (Het)Arylsulfones from SuFEx Reagents via Photochemical Sâ€“F Bond Activation. Organic Letters, 2023, 25, 2084-2087.	2.4	5
664	Highâ€Throughput Diversification of Complex Bioactive Molecules by Accelerated Synthesis in Microdroplets. Angewandte Chemie - International Edition, 2023, 62, .	7.2	5
665	Highâ€Throughput Diversification of Complex Bioactive Molecules by Accelerated Synthesis in Microdroplets. Angewandte Chemie, 0, , .	1.6	0

#	Article	IF	Citations
666	Linkage Chemistry of S(VI) Fluorides. Chemistry - A European Journal, 2023, 29, .	1.7	14
667	Nickel-Catalyzed Direct Cross-Coupling of Aryl Fluorosulfates with Aryl Bromides. Organic Letters, 2023, 25, 2318-2322.	2.4	9
668	Click chemistry in the design of AIEgens for biosensing and bioimaging. Aggregate, 2023, 4, .	5.2	13
669	Activation-Free Sulfonyl Fluoride Probes for Fragment Screening. Molecules, 2023, 28, 3042.	1.7	4
671	Palladium-Catalyzed Asymmetric 1,4-Addition of Diarylphosphines to Î±,Î²-Unsaturated Sulfonyl Fluorides. Synthesis, 0, , .	1.2	0
672	Genetically encoded crosslinkers to address proteinâ€“protein interactions. Protein Science, 2023, 32, .	3.1	6
673	Lignocellulose Conversion via Catalytic Transformations Yields Methoxyterephthalic Acid Directly from Sawdust. Jacs Au, 2023, 3, 1221-1229.	3.6	1
674	Direct ¹⁸F-Fluorosulfurylation of Phenols and Amines Using an [¹⁸F]FSO₂⁺ Transfer Agent Generated In Situ. Journal of Organic Chemistry, 2023, 88, 6263-6273.	1.7	3
675	The certainty of a few good reactions. CheM, 2023, 9, 2063-2077.	5.8	3
676	Aryl sulfonyl fluoride synthesisviapalladium-catalyzed fluorosulfonylation of aryl thianthrenium salts. Organic and Biomolecular Chemistry, 2023, 21, 3789-3793.	1.5	5
677	Fluorosulfonylvinylation of Unactivated C(sp³)â€“H via Electron Donorâ€“Acceptor Photoactivation. Organic Letters, 2023, 25, 3109-3113.	2.4	6
678	Efficient Ligand Discovery Using Sulfur(VI) Fluoride Reactive Fragments. ACS Chemical Biology, 2023, 18, 1926-1937.	1.6	5
682	Strategies for Nucleophilic C(sp³)â€“(Radio)Fluorination. Journal of the American Chemical Society, 2023, 145, 9928-9950.	6.6	19
686	Green and efficient synthesis of pure Î²-sulfonyl aliphatic sulfonyl fluorides through simple filtration in aqueous media. Organic and Biomolecular Chemistry, 2023, 21, 4967-4971.	1.5	0
696	Synthesis of Sulfonyl, Sulfonimidoyl, and Sulfoxyl Fluorides under Solvent-Free Mechanochemical Conditions in a Mixer Mill by Imidazole-to-Fluorine Exchange. ACS Sustainable Chemistry and Engineering, 2023, 11, 6838-6843.	3.2	6
698	Visible-light-driven reactions for the synthesis of sulfur dioxide-inserted compounds: generation of Sâ€“F, Sâ€“O, and Sâ€“N bonds. RSC Advances, 2023, 13, 14412-14434.	1.7	3
701	The Synthesis of Fluorinated Carbohydrates Using Sulfuryl Fluoride as the Deoxyfluorination Reagent. Organic Letters, 2023, 25, 3796-3799.	2.4	1
712	Carbohydrateâ€“macrocycle conjugates for biomedical applications. Materials Chemistry Frontiers, 2023, 7, 5263-5287.	3.2	3

#	Article	IF	Citations
721	Sulfonyl fluorides as warheads in drug discovery. , 2023, , 475-482.		0
736	Development of DACN-NHS-ester and DACN-maleimide, and their application for the synthesis of artificial hybrid biomolecules. Chemical Communications, 2023, 59, 11724-11727.	2.2	0
739	A genetically encodable and fluorogenic photo-crosslinker via photo-induced defluorination acyl fluoride exchange. Chemical Communications, 2023, 59, 11073-11076.	2.2	0
741	Small-molecule probes from bench to bedside: advancing molecular analysis of drugâ€“target interactions toward precision medicine. Chemical Society Reviews, 2023, 52, 5706-5743.	18.7	7
772	Recent advances in photochemical and electrochemical strategies for the synthesis of sulfonyl fluorides. Organic Chemistry Frontiers, 2023, 11, 217-235.	2.3	2
796	Arylazo sulfones: multifaceted photochemical reagents and beyond. Organic and Biomolecular Chemistry, 0, , .	1.5	0
797	Click chemistry in the development of PROTACs. RSC Chemical Biology, 2024, 5, 189-197.	2.0	0
800	Energy transfer photocatalysis: exciting modes of reactivity. Chemical Society Reviews, 2024, 53, 1068-1089.	18.7	7
803	SO2F2 generation and reaction in flow. , 2024, 3, 143-144.		0
818	Asymmetric construction of sulfur(VI)â€“fluorine cores. Nature Chemistry, 2024, 16, 304-305.	6.6	0