

Xiu-Hua Xu

List of Publications by Year in descending order

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65
papers

3,712
citations

159585

30
h-index

128289

60
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68
all docs

68
docs citations

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times ranked

2275
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic Methods for Compounds Having CF ₃ –S Units on Carbon by Trifluoromethylation, Trifluoromethylthiolation, Triflylation, and Related Reactions. <i>Chemical Reviews</i> , 2015, 115, 731-764.	47.7	923
2	Visible-Light-Induced Hydrodifluoromethylation of Alkenes with a Bromodifluoromethylphosphonium Bromide. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1479-1483.	13.8	216
3	Photoredox-Catalyzed Bromodifluoromethylation of Alkenes with (Difluoromethyl)triphenylphosphonium Bromide. <i>Organic Letters</i> , 2016, 18, 2419-2422.	4.6	144
4	Copper-mediated difluoromethylation of electron-poor aryl iodides at room temperature. <i>Organic Chemistry Frontiers</i> , 2014, 1, 774.	4.5	143
5	Silver-Mediated Oxidative Trifluoromethylation of Phenols: Direct Synthesis of Aryl Trifluoromethyl Ethers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11839-11842.	13.8	130
6	Visible Light Induced Oxydifluoromethylation of Styrenes with Difluoromethyltriphenylphosphonium Bromide. <i>Journal of Organic Chemistry</i> , 2016, 81, 7001-7007.	3.2	113
7	Copper-Mediated Radical 1,2-Bis(trifluoromethylation) of Alkenes with Sodium Trifluoromethanesulfinate. <i>Organic Letters</i> , 2015, 17, 1906-1909.	4.6	110
8	Visible-Light Photoredox Decarboxylation of Perfluoroarene Iodine(III) Trifluoroacetates for C–H Trifluoromethylation of (Hetero)arenes. <i>ACS Catalysis</i> , 2018, 8, 2839-2843.	11.2	106
9	Trifluoromethanesulfonic Anhydride as a Low-Cost and Versatile Trifluoromethylation Reagent. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6926-6929.	13.8	104
10	Silver-Mediated Oxidative Trifluoromethylation of Alcohols to Alkyl Trifluoromethyl Ethers. <i>Organic Letters</i> , 2015, 17, 5048-5051.	4.6	97
11	Direct and Regioselective C–H Oxidative Difluoromethylation of Heteroarenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 11613-11617.	13.7	93
12	Transition-Metal-Free Decarboxylation of 3,3,3-Trifluoro-2,2-dimethylpropanoic Acid for the Preparation of C(CF ₃)Me ₂ -Containing Heteroarenes. <i>Organic Letters</i> , 2018, 20, 5497-5501.	4.6	85
13	Copper-Promoted Trifluoromethanesulfonylation and Trifluoromethylation of Arenediazonium Tetrafluoroborates with NaSO ₂ CF ₃ . <i>Journal of Organic Chemistry</i> , 2015, 80, 7658-7665.	3.2	81
14	Photoredox Catalysis Mediated Application of Methyl Fluorosulfonyldifluoroacetate as the CF ₂ CO ₂ R Radical Source. <i>Organic Letters</i> , 2016, 18, 5130-5133.	4.6	78
15	Synthesis of Difluoroalkylated Arenes by Hydroaryldifluoromethylation of Alkenes with $\hat{\pm}$ -Difluoroarylacetic Acids under Photoredox Catalysis. <i>Organic Letters</i> , 2016, 18, 5956-5959.	4.6	72
16	Tunable and Practical Synthesis of Thiosulfonates and Disulfides from Sulfonyl Chlorides in the Presence of Tetrabutylammonium Iodide. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3477-3481.	4.3	62
17	Oxidative Trifluoromethylthiolation of Terminal Alkynes with AgSCF ₃ : A Convenient Approach to Alkynyl Trifluoromethyl Sulfides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 4453-4456.	2.4	61
18	Copper-Catalyzed, Stereoselective Bis-trifluoromethylthiolation of Propiolic Acid Derivatives with AgSCF ₃ . <i>Organic Letters</i> , 2017, 19, 3247-3250.	4.6	57

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19	Copper-Assisted Oxidative Trifluoromethylthiolation of 2,3-Allenic Acids with AgSCF ₃ . <i>Organic Letters</i> , 2017, 19, 4624-4627.	4.6	57
20	Silver-Mediated Oxidative Fluorotrifluoromethylation of Unactivated Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2039-2044.	4.3	54
21	Visible-Light-Induced Hydrodifluoromethylation of Alkenes with a Bromodifluoromethylphosphonium Bromide. <i>Angewandte Chemie</i> , 2016, 128, 1501-1505.	2.0	54
22	Copper-Catalyzed Regioselective Borylfluoromethylation of Alkenes. <i>ACS Catalysis</i> , 2019, 9, 5726-5731.	11.2	53
23	Argentination of Fluoroform: Preparation of a Stable AgCF ₃ Solution with Diverse Reactivities. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10320-10324.	13.8	51
24	Chemoselective Hydro(Chloro)pentafluorosulfanylation of Diazo Compounds with Pentafluorosulfanyl Chloride. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15271-15275.	13.8	40
25	Radical Difluoromethylation of Thiols with Difluoromethylphosphonium Triflate under Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2017, 82, 7373-7378.	3.2	38
26	Hydrotrifluoromethylthiolation of Unactivated Alkenes and Alkynes with Trifluoromethanesulfonic Anhydride through Deoxygenative Reduction and Photoredox Radical Processes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18508-18512.	13.8	36
27	General Synthesis of <i>N</i> -Trifluoromethyl Compounds with <i>N</i> -Trifluoromethyl Hydroxylamine Reagents. <i>Journal of the American Chemical Society</i> , 2022, 144, 1962-1970.	13.7	34
28	Copper-mediated oxidative difluoromethylation of terminal alkynes with TMSCF ₂ H. <i>Organic Chemistry Frontiers</i> , 2015, 2, 1022-1025.	4.5	33
29	Trifluoromethanesulfonic Anhydride as a Low-Cost and Versatile Trifluoromethylation Reagent. <i>Angewandte Chemie</i> , 2018, 130, 7042-7045.	2.0	33
30	Silver-Catalyzed C-H Aryloxydifluoromethylation and Arylthiodifluoromethylation of Heteroarenes. <i>Organic Letters</i> , 2020, 22, 5451-5455.	4.6	32
31	Electrochemical Trifluoromethoxylation of (Hetero)aromatics with a Trifluoromethyl Source and Oxygen. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	30
32	Nickel-Mediated Trifluoromethylation of Phenol Derivatives by Aryl C-H Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16076-16082.	13.8	24
33	Photoredox-catalyzed 2,2,2-trifluoroethylation and 2,2-difluoroethylation of alkenes with concomitant introduction of a quinoxalin-2(1 <i>H</i>)-one moiety. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6597-6602.	4.5	23
34	Copper-catalyzed chemoselective C-H functionalization of quinoxalin-2(1 <i>H</i>)-ones with hexafluoroisopropanol. <i>Chemical Communications</i> , 2020, 56, 12805-12808.	4.1	21
35	Synthesis of 1- and 2-Deoxy-3,3-difluoronucleosides. <i>Journal of Organic Chemistry</i> , 2006, 71, 2820-2824.	3.2	18
36	Synthesis of 1-Difluoroalkylated Isoquinolines via Palladium-Catalyzed Radical Cascade Difluoroalkylation-Cyclization of Vinyl Isocyanides with Bromodifluoroacetic Derivatives. <i>Chemistry - an Asian Journal</i> , 2017, 12, 568-576.	3.3	18

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37	Copper-Catalyzed Sulfenylation, Sulfonylation, and Selenylation of 2,3-Allenic Acids with Disulfides or Diselenides. <i>Journal of Organic Chemistry</i> , 2018, 83, 6101-6109.	3.2	18
38	Photoredox-Catalyzed Addition of Dibromofluoromethane to Alkenes: Direct Synthesis of 1-Bromo-1-fluoroalkanes. <i>Organic Letters</i> , 2021, 23, 2364-2369.	4.6	18
39	Nucleophilic and Radical Heptafluoroisopropoxylation with Redox-Active Reagents. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22915-22924.	13.8	18
40	Copper and Zinc Copromoted Bromo(chloro)trifluoromethylation of Alkenes and Alkynes with Trifluoromethanesulfonic Anhydride. <i>Organic Letters</i> , 2021, 23, 346-350.	4.6	18
41	Synthesis of CMe ₂ CF ₃ -Containing Heteroarenes via Tandem 1,1-Dimethyltrifluoroethylation and Cyclization of Isonitriles. <i>Journal of Organic Chemistry</i> , 2018, 83, 15236-15244.	3.2	17
42	Visible Light-Induced Methoxycarbonyldifluoromethylation of Trimethylsilyl Enol Ethers and Allyltrimethylsilanes with FSO ₂ CF ₂ CO ₂ Me. <i>Chinese Journal of Chemistry</i> , 2018, 36, 1024-1030.	4.9	17
43	Oxidative Hydro-, Bromo-, and Chloroheptafluoroisopropylation of Unactivated Alkenes with Heptafluoroisopropyl Silver. <i>Organic Letters</i> , 2019, 21, 9532-9535.	4.6	16
44	Chemoselective Hydro(chloro)pentafluorosulfanylation of Diazo Compounds with Pentafluorosulfanyl Chloride. <i>Angewandte Chemie</i> , 2021, 133, 15399-15403.	2.0	16
45	Iron-catalyzed cyanoalkylation of difluoroenol silyl ethers with cyclobutanone oxime esters. <i>Chinese Chemical Letters</i> , 2022, 33, 817-820.	9.0	16
46	Synthesis of gem-difluorinated nucleoside analogues of the liposidomycins and evaluation as MraY inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 157-161.	2.8	15
47	Copper-mediated trifluoromethylation of diaryliodonium salts with TMSCF ₃ at room temperature. <i>Journal of Fluorine Chemistry</i> , 2015, 180, 175-180.	1.7	15
48	Synthesis of aryl triflones by insertion of arynes into C-SO ₂ CF ₃ bonds. <i>RSC Advances</i> , 2017, 7, 47-50.	3.6	14
49	Regio- and Diastereoselective Vinylogous Mannich Addition of 3-Alkenyl-2-oxindoles to \pm -Fluoroalkyl Aldimines. <i>Synlett</i> , 2014, 26, 67-72.	1.8	13
50	Synthesis of Pentafluoroethyl Ethers by Silver-Mediated Oxidative Pentafluoroethylation of Alcohols and Phenols. <i>Journal of Organic Chemistry</i> , 2017, 82, 3702-3709.	3.2	13
51	Argentination of Fluoroform: Preparation of a Stable AgCF ₃ Solution with Diverse Reactivities. <i>Angewandte Chemie</i> , 2019, 131, 10426-10430.	2.0	13
52	Visible light-induced monofluoromethylenation of heteroarenes with ethyl bromofluoroacetate. <i>New Journal of Chemistry</i> , 2016, 40, 6564-6567.	2.8	11
53	Photoredox catalyzed C-H trifluoroethylamination of heteroarenes. <i>Chemical Communications</i> , 2022, 58, 1346-1349.	4.1	10
54	Hydrotrifluoromethylthiolation of Unactivated Alkenes and Alkynes with Trifluoromethanesulfonic Anhydride through Deoxygenative Reduction and Photoredox Radical Processes. <i>Angewandte Chemie</i> , 2019, 131, 18679-18683.	2.0	9

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55	Copper-Promoted Ritter-Type Trifluoroethoxylation of (Hetero)arene Diazonium Tetrafluoroborates: A Method for the Preparation of Trifluoroethyl Imidates. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5088-5090.	2.4	8
56	Deoxygenative 1,1-Bis(trifluoromethyl)thiolation of Aromatic Aldehydes to Access Bis(trifluoromethylthio)methylarenes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5031-5035.	4.3	8
57	Cascade trifluoromethylthiolation and cyclization of <i>N</i> -[(3-aryl)propionyl]indoles. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 657-662.	2.2	8
58	Copper-Catalyzed Hydrodifluoroallylation of Terminal Alkynes to Access (E)-1,1-Difluoro-1,4-Dienes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2852-2856.	4.3	6
59	Synthesis and Properties of $\text{CF}_3(\text{OCF}_3)_3$ -Substituted Arenes and Alkenes. <i>Chinese Journal of Chemistry</i> , 2020, 38, 847-854.	4.9	6
60	1,2-Bis(trifluoromethylthiolation) of Aromatic Epoxides with AgSCF_3 . <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1015-1018.	2.4	6
61	Regioselective oxidative C-H heptafluoroisopropylation of heteroarenes with heptafluoroisopropyl silver. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4435-4440.	4.5	6
62	Nucleophilic and Radical Heptafluoroisopropoxylation with Redox-Active Reagents. <i>Angewandte Chemie</i> , 2021, 133, 23097-23106.	2.0	5
63	Nickel-Mediated Trifluoromethylation of Phenol Derivatives by Aryl C-O Bond Activation. <i>Angewandte Chemie</i> , 2020, 132, 16210-16216.	2.0	5
64	Synthesis of α -trifluoromethyl- β -keto phosphonates by electrophilic trifluoromethylation with Togni reagent. <i>Synthetic Communications</i> , 2016, 46, 415-420.	2.1	4
65	Electrochemical Trifluoromethoxylation of (Hetero)aromatics with a Trifluoromethyl Source and Oxygen. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4