

Jin-Hong Lin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

2,085
citations

28
h-index

43
g-index

96
ext. papers

2,516
ext. citations

5.4
avg, IF

5.48
L-index

#	Paper	IF	Citations
87	Synthesis and decarboxylative Wittig reaction of difluoromethylene phosphobetaine. <i>Chemical Communications</i> , 2013 , 49, 7513-5	5.8	173
86	Conversion between difluorocarbene and difluoromethylene ylide. <i>Chemistry - A European Journal</i> , 2013 , 19, 15261-6	4.8	123
85	Difluoromethylation and gem-difluorocyclopropanation with difluorocarbene generated by decarboxylation. <i>Chemical Communications</i> , 2015 , 51, 8805-8	5.8	90
84	Difluorocarbene-Derived Trifluoromethylthiolation and [(18F)]Trifluoromethylthiolation of Aliphatic Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13236-40	16.4	89
83	Cross-Coupling between Difluorocarbene and Carbene-Derived Intermediates Generated from Diazocompounds for the Synthesis of gem-Difluoroolefins. <i>Organic Letters</i> , 2015 , 17, 6150-3	6.2	88
82	Pd-Catalyzed Transfer of Difluorocarbene. <i>Organic Letters</i> , 2016 , 18, 4384-7	6.2	76
81	An Unconventional Mechanistic Insight into SCF Formation from Difluorocarbene: Preparation of F-Labeled α -CF Carbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3196-3200	16.4	72
80	Nucleophilic arylation with tetraarylphosphonium salts. <i>Nature Communications</i> , 2016 , 7, 10337	17.4	63
79	Reaction of Thiocarbonyl Fluoride Generated from Difluorocarbene with Amines. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 16669-16673	16.4	61
78	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU)-promoted decomposition of difluorocarbene and the subsequent trifluoromethylation. <i>Organic Letters</i> , 2015 , 17, 532-5	6.2	56
77	Direct Nucleophilic Difluoromethylation of Carbonyl Compounds. <i>Organic Letters</i> , 2016 , 18, 3206-9	6.2	52
76	Recent Advances in C-H Trifluoromethylthiolation and Trifluoromethoxylation Reactions. <i>Current Organic Chemistry</i> , 2015 , 19, 1541-1553	1.7	45
75	Decarboxylative Julia-Kocienski gem-Difluoro-Olefination of 2-Pyridinyl Sulfonyldifluoroacetate. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 928-932	3.2	44
74	Copper-catalyzed trifluoromethylation of alkenes with an electrophilic trifluoromethylating reagent. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 2635-40	2.5	44
73	Photocatalyzed Cyanodifluoromethylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6079-6083	16.4	42
72	Diastereoselective Johnson-Corey-Chaykovsky trifluoroethylidenation. <i>Chemical Communications</i> , 2015 , 51, 13127-30	5.8	42
71	Wittig gem-difluoroolefination of aldehydes with difluoromethyltriphenylphosphonium bromide. <i>Journal of Fluorine Chemistry</i> , 2014 , 163, 38-41	2.1	41

70	Halogenation through Deoxygenation of Alcohols and Aldehydes. <i>Organic Letters</i> , 2018 , 20, 3061-3064	6.2	40
69	The asymmetric synthesis of CF ₃ - or -CF ₂ -substituted tetrahydroquinolines by employing a chiral phosphoric acid as catalyst. <i>Chemical Communications</i> , 2012 , 48, 7738-40	5.8	40
68	A Trifluoromethylcarbene Source. <i>Organic Letters</i> , 2016 , 18, 2471-4	6.2	39
67	Cu-Catalyzed C-H Trifluoromethylation of 3-Arylprop-1-ynes for the Selective Construction of Allenic Csp(2)-CF ₃ and Propargyl Csp(3)-CF ₃ Bonds. <i>Organic Letters</i> , 2016 , 18, 1000-3	6.2	35
66	Copper-catalyzed tandem trifluoromethylation/cyclization of internal alkynes. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1280-1284	5.2	33
65	Copper-mediated trifluoromethylation of propargyl acetates leading to trifluoromethyl-allenes. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 2903-6	3.9	30
64	Cu-Promoted Oxidative Trifluoromethylation of Terminal Alkynes with Difluoromethylene Phosphobetaine. <i>Chinese Journal of Chemistry</i> , 2014 , 32, 689-693	4.9	30
63	The Asymmetric Friedel-Crafts Reaction of Indoles with Fluoroalkylated Nitroalkenes Catalyzed by Chiral Phosphoric Acid. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 4536-4539	3.2	30
62	Difluoromethylcarbene for iron-catalyzed cyclopropanation. <i>Chemical Communications</i> , 2017 , 53, 3870-3873	3.3	29
61	Difluorocarbene for Dehydroxytrifluoromethylthiolation of Alcohols. <i>Journal of Organic Chemistry</i> , 2017 , 82, 11206-11211	4.2	28
60	Enantioselective aldol reaction of cyclic ketones with aryl aldehydes catalyzed by a cyclohexanediamine derived salt in the presence of water. <i>Green Chemistry</i> , 2009 , 11, 1750	10	28
59	Difluorocarbene-Derived Trifluoromethylthiolation and [¹⁸ F]Trifluoromethylthiolation of Aliphatic Electrophiles. <i>Angewandte Chemie</i> , 2015 , 127, 13434-13438	3.6	27
58	Rapid Dehydroxytrifluoromethoxylation of Alcohols. <i>IScience</i> , 2018 , 5, 110-117	6.1	23
57	Contemporary synthetic strategies in organofluorine chemistry. <i>Nature Reviews Methods Primers</i> , 2021 , 1,		23
56	Oxidation of difluorocarbene and subsequent trifluoromethoxylation. <i>Nature Communications</i> , 2019 , 10, 5362	17.4	22
55	A novel pyrrolidinium ionic liquid with 1,1,2,2-tetrafluoro-2-(1,1,2,2-tetrafluoroethoxy)ethanesulfonate anion as a recyclable reaction medium and efficient catalyst for Friedel-Crafts alkylations of indoles with nitroalkenes. <i>Journal of Fluorine Chemistry</i> , 2009 , 130, 394-398	2.1	21
54	Difluorocarbene-derived trifluoromethylselenolation of benzyl halides. <i>Chemical Communications</i> , 2019 , 55, 1410-1413	5.8	20
53	Copper-Mediated Trifluoromethylation of Terminal Alkynes by S-(Trifluoromethyl)diarylsulfonium Salt. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 915-920	4.9	20

- 52 Fluorinated Ylides/Carbenes and Related Intermediates from Phosponium/Sulfonium Salts. *Accounts of Chemical Research*, **2020**, 53, 1498-1510 24.3 19
- 51 Dehydroxylation of alcohols for nucleophilic substitution. *Chemical Communications*, **2018**, 54, 7034-7037.8 19
- 50 An Unconventional Mechanistic Insight into SCF₃ Formation from Difluorocarbene: Preparation of 18F-Labeled SCF₃ Carbonyl Compounds. *Angewandte Chemie*, **2017**, 129, 3244-3248 3.6 17
- 49 One-pot synthesis of gem-difluorostyrenes from benzyl bromide via olefination of phosphonium ylide with difluorocarbene. *Journal of Fluorine Chemistry*, **2015**, 179, 116-120 2.1 17
- 48 Ag-Mediated Trifluoromethylthiolation of Inert Csp-H Bond. *Journal of Organic Chemistry*, **2018**, 83, 14120-14125 2.1 17
- 47 Rh-catalyzed allylic C-F bond activation: the stereoselective synthesis of trisubstituted monofluoroalkenes and a mechanism study. *Organic and Biomolecular Chemistry*, **2014**, 12, 581-8 3.9 16
- 46 O-Difluoromethylation of 1,3-diones with S-difluoromethyl sulfonium salt. *RSC Advances*, **2016**, 6, 35705-35708.16 3.5 16
- 45 Stereoselective Synthesis of Trifluoromethyl Enones by Au/Cu-Co-Catalyzed Tandem 1,3-Acyloxy Migration/Trifluoromethylation Reaction of Propargyl Acetates. *European Journal of Organic Chemistry*, **2014**, 2014, 7948-7954 3.2 15
- 44 Dehydroxylative Trifluoromethylthiolation, Trifluoromethylation, and Difluoromethylation of Alcohols. *Chinese Journal of Chemistry*, **2020**, 38, 169-172 4.9 13
- 43 Visible-light-induced radical hydrodifluoromethylation of alkenes. *Organic Chemistry Frontiers*, **2019**, 6, 3580-3583 5.2 12
- 42 Base-free O-difluoromethylation of 1,3-diones with difluorocarbene. *Journal of Fluorine Chemistry*, **2016**, 192, 27-30 2.1 12
- 41 Nucleophilic 1,1-Difluoroethylation with Fluorinated Phosponium Salt. *Journal of Organic Chemistry*, **2016**, 81, 12084-12090 4.2 12
- 40 Recent Advances in Difluoromethylthiolation. *Synthesis*, **2020**, 52, 197-207 2.9 12
- 39 A Readily Available Trifluoromethylation Reagent and Its Difunctionalization of Alkenes. *Organic Letters*, **2021**, 23, 6079-6083 6.2 12
- 38 DBU-Promoted Trifluoromethylation of Aryl Iodides with Difluoromethyltriphenylphosphonium Bromide. *Chinese Journal of Chemistry*, **2016**, 34, 481-484 4.9 11
- 37 Cu-catalyzed chlorotrifluoromethylation of alkenes with CF₃SO₂Cl. *Journal of Fluorine Chemistry*, **2018**, 215, 25-31 2.1 11
- 36 Fe-Catalyzed insertion of fluoromethylcarbenes generated from sulfonium salts into X-H bonds (X = Si, C, P). *Organic Chemistry Frontiers*, **2017**, 4, 1917-1920 5.2 9
- 35 A convenient reagent for the conversion of aldoximes into nitriles and isonitriles. *Chemical Communications*, **2020**, 56, 6221-6224 5.8 9

34	Tri- and di-fluoroethylation of alkenes by visible light photoredox catalysis. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 1452-1456	5.2	9
33	Diastereoselective Synthesis of CF-Containing Vicinal Diamines. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8273-8281	4.2	9
32	Ph ₃ P/I ⁺ Promoted Dichlorination or Dibromination of Epoxides with XCH ₂ CH ₂ X (X = Cl or Br). <i>Synlett</i> , 2019 , 30, 181-184	2.2	9
31	Direct N-gem-difluorocyclopropylation of nitro-heterocycles by utilizing gem-difluorocyclopropyl tosylate. <i>Chinese Chemical Letters</i> , 2014 , 25, 24-28	8.1	8
30	Reaction of Thiocarbonyl Fluoride Generated from Difluorocarbene with Amines. <i>Angewandte Chemie</i> , 2017 , 129, 16896-16900	3.6	8
29	Photocatalyzed Cyanodifluoromethylation of Alkenes. <i>Angewandte Chemie</i> , 2019 , 131, 6140-6144	3.6	7
28	Dehydroxylative Fluorination of Tertiary Alcohols. <i>Organic Letters</i> , 2020 , 22, 6642-6646	6.2	7
27	Difluoromethylation of N-arylsulfonyl hydrazones with difluorocarbene leading to difluoromethyl aryl sulfones. <i>RSC Advances</i> , 2016 , 6, 82298-82300	3.7	6
26	Nucleophilic monofluoroalkylation with fluorinated phosphonium salt toward carbonyl and imine compounds. <i>Journal of Fluorine Chemistry</i> , 2017 , 193, 17-23	2.1	5
25	Starting from Styrene: A Unified Protocol for Hydrotrifluoromethylation of Diversified Alkenes. <i>Organic Letters</i> , 2021 , 23, 9277-9282	6.2	5
24	Hydroperfluoroalkylation of electron-deficient olefins with perfluoroalkyl iodides promoted by zinc/viologen. <i>RSC Advances</i> , 2016 , 6, 60080-60083	3.7	4
23	Difluorocarbene-based trifluoromethylthiolation of terminal alkynes. <i>Journal of Fluorine Chemistry</i> , 2020 , 230, 109437	2.1	4
22	Ph ₃ P+CF ₂ CO ₂ Et as an F ₂ and :CF ₂ source for trifluoromethylthiolation of alkyl halides. <i>Chinese Chemical Letters</i> , 2019 , 30, 714-716	8.1	4
21	Decarboxylative nucleophilic difluoromethylation of aldehydes and imines. <i>Tetrahedron</i> , 2018 , 74, 4295-4297	4.2	4
20	Difluorocarbene-Based Cyanation of Aryl Iodides. <i>Synlett</i> , 2020 , 31, 713-717	2.2	3
19	Trifluoromethanesulfonylation of Phenols. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 1028	3	3
18	Pd-Catalyzed Transfer of Difluorocarbene for Three Component Cross-Coupling. <i>Chinese Journal of Chemistry</i> , 2020 , 38, 1647-1650	4.9	3
17	Recent Advances in the Synthesis of CF ₃ - or HCF ₂ -Substituted Cyclopropanes. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 485-495	3	3

16	Visible light mediated CBr ₄ trifluoromethylation of (hetero)arenes. <i>Organic Chemistry Frontiers</i> , 2022 , 9, 1982-1985	5.2	3
15	Extraction Behavior of Acidic Phosphorus-Containing Compounds to Some Metal Ions: A Combination Research of Experimental and Theoretical Investigations. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 5033-5041	2.8	2
14	An Efficient Method for the Preparation of Pentafluoroiodoethane from Chloropentafluoroethane. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 202-204	4.9	2
13	Rh-catalyzed tunable defluorinative borylation. <i>Chemical Communications</i> , 2021 , 57, 7124-7127	5.8	2
12	Difluorocarbene-based cyanodifluoromethylation of alkenes induced by a dual-functional Cu-catalyst. <i>Chemical Communications</i> , 2021 , 57, 2649-2652	5.8	2
11	A Convenient Synthesis of Fluoroalkylated Benzimidazole- or Indole-fused Benzoxazines. <i>European Journal of Organic Chemistry</i> , 2022 , 2022,	3.2	1
10	Recent Advances in ¹⁸ F-Labeling of Trifluoromethylthiolation 2020 , 649-665		1
9	Transition-metal difluorocarbene complexes. <i>Chemical Communications</i> , 2021 , 57, 9316-9329	5.8	1
8	An Efficient Construction of CF ₃ -Substituted Spirooxindole-Fused Benzo[a]quinolizidines by a Three-Component Cyclization. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 4405-4408	3.2	1
7	Extension to the Construction of OR _f Motifs (OCF ₂ H, OCFH ₂ , OCH ₂ CF ₃ , OCFHCH ₃) 2020 , 267-288		0
6	Ph ₂ S/selectfluor-promoted deoxydifluorination of aldehydes. <i>Tetrahedron</i> , 2021 , 83, 131963	2.4	0
5	HCFSe/HCF ₃ S Installation by Tandem Substitutions from Alkyl Bromides. <i>Journal of Organic Chemistry</i> , 2021 , 86, 13153-13159	4.2	0
4	Heptafluoroisopropylthiolation of benzyl halides. <i>Journal of Fluorine Chemistry</i> , 2022 , 255-256, 109966	2.1	0
3	4-Nitro-1-((Trifluoromethyl)sulfonyl)-imidazole-1-yl		
2	A one-step synthesis of gem-difluoroolefins from alcohols. <i>Journal of Fluorine Chemistry</i> , 2020 , 240, 109649	6.49	
1	Evaluating and understanding the affinity of metal ions to water and ammonia using density functional theory calculation. <i>Chemical Physics Letters</i> , 2021 , 768, 138398	2.5	