

# Jin-Hong Lin

## List of Publications by Year in descending order

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86  
papers

3,025  
citations

136740

32  
h-index

182168

51  
g-index

96  
all docs

96  
docs citations

96  
times ranked

1624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and decarboxylative Wittig reaction of difluoromethylene phosphobetaine. <i>Chemical Communications</i> , 2013, 49, 7513.	2.2	216
2	Conversion between Difluorocarbene and Difluoromethylene Ylide. <i>Chemistry - A European Journal</i> , 2013, 19, 15261-15266.	1.7	151
3	Contemporary synthetic strategies in organofluorine chemistry. <i>Nature Reviews Methods Primers</i> , 2021, 1, .	11.8	134
4	Difluoromethylation and gem-difluorocyclopropenation with difluorocarbene generated by decarboxylation. <i>Chemical Communications</i> , 2015, 51, 8805-8808.	2.2	114
5	Difluorocarbene-derived Trifluoromethylthiolation and [ <sup>18</sup> F]Trifluoromethylthiolation of Aliphatic Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13236-13240.	7.2	110
6	Cross-Coupling between Difluorocarbene and Carbene-Derived Intermediates Generated from Diazocompounds for the Synthesis of gem-Difluoroolefins. <i>Organic Letters</i> , 2015, 17, 6150-6153.	2.4	107
7	Reaction of Thiocarbonyl Fluoride Generated from Difluorocarbene with Amines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16669-16673.	7.2	103
8	Pd-Catalyzed Transfer of Difluorocarbene. <i>Organic Letters</i> , 2016, 18, 4384-4387.	2.4	100
9	An Unconventional Mechanistic Insight into SCF <sub>3</sub> Formation from Difluorocarbene: Preparation of <sup>18</sup> F-labeled $\alpha$ -SCF <sub>3</sub> Carbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3196-3200.	7.2	88
10	Nucleophilic arylation with tetraarylphosphonium salts. <i>Nature Communications</i> , 2016, 7, 10337.	5.8	82
11	Fluorinated Ylides/Carbenes and Related Intermediates from Phosphonium/Sulfonium Salts. <i>Accounts of Chemical Research</i> , 2020, 53, 1498-1510.	7.6	75
12	Halogenation through Deoxygenation of Alcohols and Aldehydes. <i>Organic Letters</i> , 2018, 20, 3061-3064.	2.4	73
13	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU)-Promoted Decomposition of Difluorocarbene and the Subsequent Trifluoromethylation. <i>Organic Letters</i> , 2015, 17, 532-535.	2.4	66
14	Photocatalyzed Cyanodifluoromethylation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6079-6083.	7.2	66
15	Direct Nucleophilic Difluoromethylation of Carbonyl Compounds. <i>Organic Letters</i> , 2016, 18, 3206-3209.	2.4	61
16	Diastereoselective Johnson-Corey-Chaykovsky trifluoroethylidenation. <i>Chemical Communications</i> , 2015, 51, 13127-13130.	2.2	52
17	Recent Advances in C-H Trifluoromethylthiolation and Trifluoromethoxylation Reactions. <i>Current Organic Chemistry</i> , 2015, 19, 1541-1553.	0.9	52
18	Decarboxylative Julia-Kocienski gem-Difluoroolefination of 2-pyridinyl Sulfonyldifluoroacetate. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 928-932.	1.2	50

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19	A Trifluoromethylcarbene Source. <i>Organic Letters</i> , 2016, 18, 2471-2474.	2.4	49
20	Copper-catalyzed trifluoromethylation of alkenes with an electrophilic trifluoromethylating reagent. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 2635-2640.	1.3	48
21	Wittig gem-difluoroolefination of aldehydes with difluoromethyltriphenylphosphonium bromide. <i>Journal of Fluorine Chemistry</i> , 2014, 163, 38-41.	0.9	47
22	The asymmetric synthesis of CF <sub>3</sub> - or -CF <sub>2</sub> -substituted tetrahydroquinolines by employing a chiral phosphoric acid as catalyst. <i>Chemical Communications</i> , 2012, 48, 7738.	2.2	46
23	Cu-Catalyzed C-H Trifluoromethylation of 3-Arylprop-1-ynes for the Selective Construction of Allenic Csp <sup>2</sup> -CF <sub>3</sub> and Propargyl Csp <sup>3</sup> -CF <sub>3</sub> Bonds. <i>Organic Letters</i> , 2016, 18, 1000-1003.	2.4	41
24	Oxidation of difluorocarbene and subsequent trifluoromethoxylation. <i>Nature Communications</i> , 2019, 10, 5362.	5.8	40
25	Copper-mediated trifluoromethylation of propargyl acetates leading to trifluoromethyl-allenes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2903.	1.5	39
26	Transition-metal difluorocarbene complexes. <i>Chemical Communications</i> , 2021, 57, 9316-9329.	2.2	39
27	Copper-catalyzed tandem trifluoromethylation/cyclization of internal alkynes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1280-1284.	2.3	38
28	A Readily Available Trifluoromethylation Reagent and Its Difunctionalization of Alkenes. <i>Organic Letters</i> , 2021, 23, 6079-6083.	2.4	37
29	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.	1.2	35
30	Difluoromethylcarbene for iron-catalyzed cyclopropanation. <i>Chemical Communications</i> , 2017, 53, 3870-3873.	2.2	34
31	Cu-Promoted Oxidative Trifluoromethylation of Terminal Alkynes with Difluoromethylene Phosphobetaine. <i>Chinese Journal of Chemistry</i> , 2014, 32, 689-693.	2.6	33
32	Difluorocarbene for Dehydroxytrifluoromethylthiolation of Alcohols. <i>Journal of Organic Chemistry</i> , 2017, 82, 11206-11211.	1.7	33
33	Rapid Dehydroxytrifluoromethoxylation of Alcohols. <i>IScience</i> , 2018, 5, 110-117.	1.9	32
34	Starting from Styrene: A Unified Protocol for Hydrotrifluoromethylation of Diversified Alkenes. <i>Organic Letters</i> , 2021, 23, 9277-9282.	2.4	32
35	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.	4.6	31
36	Difluorocarbene-derived trifluoromethylselenolation of benzyl halides. <i>Chemical Communications</i> , 2019, 55, 1410-1413.	2.2	30

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37	Dehydroxylative Trifluoromethylthiolation, Trifluoromethylation, and Difluoromethylation of Alcohols. <i>Chinese Journal of Chemistry</i> , 2020, 38, 169-172.	2.6	30
38	Dehydroxylation of alcohols for nucleophilic substitution. <i>Chemical Communications</i> , 2018, 54, 7034-7037.	2.2	28
39	Visible-light-induced radical hydrodifluoromethylation of alkenes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3580-3583.	2.3	27
40	Ag-Mediated Trifluoromethylthiolation of Inert Csp <sup>3</sup> C-H Bond. <i>Journal of Organic Chemistry</i> , 2018, 83, 14120-14125.	1.7	26
41	Dehydroxylative Fluorination of Tertiary Alcohols. <i>Organic Letters</i> , 2020, 22, 6642-6646.	2.4	26
42	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.	0.9	23
43	Pd-Catalyzed Transfer of Difluorocarbene for Three Component Cross-Coupling. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1647-1650.	2.6	23
44	Copper-Mediated Trifluoromethylation of Terminal Alkynes by S-(Trifluoromethyl)diarylsulfonium Salt. <i>Chinese Journal of Chemistry</i> , 2013, 31, 915-920.	2.6	22
45	O-Difluoromethylation of 1,3-diones with S-difluoromethyl sulfonium salt. <i>RSC Advances</i> , 2016, 6, 35705-35708.	1.7	21
46	Recent Advances in Difluoromethylthiolation. <i>Synthesis</i> , 2020, 52, 197-207.	1.2	21
47	Rh-catalyzed allylic C-F bond activation: the stereoselective synthesis of trisubstituted monofluoroalkenes and a mechanism study. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 581-588.	1.5	20
48	Cu-catalyzed chlorotrifluoromethylation of alkenes with CF <sub>3</sub> SO <sub>2</sub> Cl. <i>Journal of Fluorine Chemistry</i> , 2018, 215, 25-31.	0.9	19
49	An Unconventional Mechanistic Insight into SCF <sub>3</sub> Formation from Difluorocarbene: Preparation of <sup>18</sup> F-Labeled <sup>13</sup> C-SCF <sub>3</sub> Carbonyl Compounds. <i>Angewandte Chemie</i> , 2017, 129, 3244-3248.	1.6	18
50	Stereoselective Synthesis of <sup>13</sup> C-Trifluoromethyl Enones by Au <sup>I</sup> /Cu <sup>I</sup> -Co-Catalyzed Tandem 1,3-Acyloxy Migration/Trifluoromethylation Reaction of Propargyl Acetates. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7948-7954.	1.2	17
51	One-pot synthesis of gem-difluorostyrenes from benzyl bromide via olefination of phosphonium ylide with difluorocarbene. <i>Journal of Fluorine Chemistry</i> , 2015, 179, 116-120.	0.9	17
52	A convenient reagent for the conversion of aldoximes into nitriles and isonitriles. <i>Chemical Communications</i> , 2020, 56, 6221-6224.	2.2	17
53	Fe-Catalyzed insertion of fluoromethylcarbenes generated from sulfonium salts into X-H bonds (X =) Tj ETQq1 1.0,784314,rgBT /O	2.3	16
54	Visible light mediated C-H trifluoromethylation of (hetero)arenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1982-1985.	2.3	16

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55	Reaction of Thiocarbonyl Fluoride Generated from Difluorocarbene with Amines. <i>Angewandte Chemie</i> , 2017, 129, 16896-16900.	1.6	14
56	Recent Advances in the Synthesis of CF <sub>3</sub> - or HCF <sub>2</sub> -Substituted Cyclopropanes. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 485-495.	1.3	14
57	Nucleophilic 1,1-Difluoroethylation with Fluorinated Phosphonium Salt. <i>Journal of Organic Chemistry</i> , 2016, 81, 12084-12090.	1.7	13
58	Base-free O-difluoromethylation of 1,3-diones with difluorocarbene. <i>Journal of Fluorine Chemistry</i> , 2016, 192, 27-30.	0.9	13
59	DBU-Promoted Trifluoromethylation of Aryl Iodides with Difluoromethyltriphenylphosphonium Bromide. <i>Chinese Journal of Chemistry</i> , 2016, 34, 481-484.	2.6	13
60	Tri- and di-fluoroethylation of alkenes by visible light photoredox catalysis. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1452-1456.	2.3	12
61	Difluorocarbene-based cyanodifluoromethylation of alkenes induced by a dual-functional Cu-catalyst. <i>Chemical Communications</i> , 2021, 57, 2649-2652.	2.2	12
62	Diastereoselective Synthesis of CF <sub>3</sub> -Containing Vicinal Diamines. <i>Journal of Organic Chemistry</i> , 2017, 82, 8273-8281.	1.7	11
63	Ph <sub>3</sub> P/I <sup>+</sup> -Promoted Dichlorination or Dibromination of Epoxides with XCH <sub>2</sub> CH <sub>2</sub> X (X = Cl or Br). <i>Synlett</i> , 2019, 30, 181-184.	1.0	11
64	Direct N-gem-difluorocyclopropylation of nitro-heterocycles by utilizing gem-difluorocyclopropyl tosylate. <i>Chinese Chemical Letters</i> , 2014, 25, 24-28.	4.8	10
65	Hydroperfluoroalkylation of electron-deficient olefins with perfluoroalkyl iodides promoted by zinc/viologen. <i>RSC Advances</i> , 2016, 6, 60080-60083.	1.7	9
66	Photocatalyzed Cyanodifluoromethylation of Alkenes. <i>Angewandte Chemie</i> , 2019, 131, 6140-6144.	1.6	9
67	Ph <sub>3</sub> P <sup>+</sup> CF <sub>2</sub> CO <sub>2</sub> <sup>-</sup> as an F <sup>-</sup> and :CF <sub>2</sub> source for trifluoromethylthiolation of alkyl halides. <i>Chinese Chemical Letters</i> , 2019, 30, 714-716.	4.8	9
68	Synthesis and <sup>18</sup> F Labeling of Alkenyl Sulfonyl Fluorides via an Unconventional Elimination Pathway. <i>Organic Letters</i> , 2022, 24, 4992-4997.	2.4	8
69	Difluoromethylation of N-arylsulfonyl hydrazones with difluorocarbene leading to difluoromethyl aryl sulfones. <i>RSC Advances</i> , 2016, 6, 82298-82300.	1.7	7
70	Nucleophilic monofluoroalkylation with fluorinated phosphonium salt toward carbonyl and imine compounds. <i>Journal of Fluorine Chemistry</i> , 2017, 193, 17-23.	0.9	7
71	Decarboxylative nucleophilic difluoromethylation of aldehydes and imines. <i>Tetrahedron</i> , 2018, 74, 4295-4297.	1.0	7
72	Difluorocarbene-based trifluoromethylthiolation of terminal alkynes. <i>Journal of Fluorine Chemistry</i> , 2020, 230, 109437.	0.9	6

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73	Rh-catalyzed tunable defluorinative borylation. <i>Chemical Communications</i> , 2021, 57, 7124-7127.	2.2	6
74	Trifluoromethanesulfonylation of Phenols. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 1028.	0.6	6
75	Difluorocarbene-Based Cyanation of Aryl Iodides. <i>Synlett</i> , 2020, 31, 713-717.	1.0	5
76	An Efficient Method for the Preparation of Pentafluoroiodoethane from Chloropentafluoroethane. <i>Chinese Journal of Chemistry</i> , 2009, 27, 202-204.	2.6	3
77	HCF <sub>2</sub> Se/HCF <sub>2</sub> S Installation by Tandem Substitutions from Alkyl Bromides. <i>Journal of Organic Chemistry</i> , 2021, 86, 13153-13159.	1.7	3
78	A Convenient Synthesis of Fluoroalkylated Benzimidazole- or Indole- fused Benzoxazines. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3
79	<i>anti</i> -Markovnikov Iodofluorination of Alkenes. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	3
80	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.	1.1	2
81	Ph <sub>2</sub> S/selectfluor-promoted deoxydifluorination of aldehydes. <i>Tetrahedron</i> , 2021, 83, 131963.	1.0	2
82	An Efficient Construction of CF <sub>3</sub> -Substituted Spirooxindole-Fused Benzo[a]quinolizidines by a Three-Component Cyclization. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4405-4408.	1.2	2
83	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.	1.2	1
84	Recent Advances in <sup>18</sup> F-Labeling of Trifluoromethylthiolation. , 2020, , 649-665.		1
85	Heptafluoroisopropylthiolation of benzyl halides. <i>Journal of Fluorine Chemistry</i> , 2022, 255-256, 109966.	0.9	1
86	A one-step synthesis of gem-difluoroolefins from alcohols. <i>Journal of Fluorine Chemistry</i> , 2020, 240, 109649.	0.9	0