

Jin-Tao Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7498779/publications.pdf>

Version: 2024-02-01

59
papers

925
citations

516710

16
h-index

552781

26
g-index

74
all docs

74
docs citations

74
times ranked

924
citing authors

#	ARTICLE	IF	CITATIONS
1	Regiospecific Organocatalytic Asymmetric Aldol Reaction of Methyl Ketones and β,β -Unsaturated Trifluoromethyl Ketones. <i>Organic Letters</i> , 2007, 9, 1343-1345.	4.6	93
2	Asymmetric synthesis of either diastereomer of trifluoromethylated allylic amines by the selective reduction of trifluoromethyl β,β -unsaturated N-tert-butanesulfinyl ketoimines. <i>Chemical Communications</i> , 2008, , 5233.	4.1	51
3	Asymmetric aza-Henry reaction of chiral fluoroalkyl β,β -unsaturated N-tert-butanesulfinyl ketoimines: an efficient approach to enantiopure fluoroalkylated β,β -diamines and β,β -diamino acids. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3625.	2.8	44
4	Copper-catalyzed Intramolecular Carbotrifluoromethylation of Alkynes for the Construction of Trifluoromethylated Heterocycles. <i>Chemistry - A European Journal</i> , 2014, 20, 15315-15319.	3.3	41
5	Selective Trifluoromethylthiolation and Trifluoromethylsulfonylation of Indoles with Sodium Trifluoromethanesulfinate Promoted by Phosphorus Reagents. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3505-3511.	2.4	41
6	Per(poly)fluoroalkanesulfinamides assisted diastereoselective three-component inverse-electron-demand aza Diels-Alder reaction. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 74-77.	2.8	32
7	POCl ₃ -Promoted Trifluoromethylthiolation-Based Vicinal Bifunctionalization of Indoles with CF ₃ SO ₂ Na. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2078-2081.	2.4	30
8	Synthesis of Fluoromethyl-Substituted Isoxazolines <i>via</i> Transition Metal-Free Oxyfluorination of Alkenyl Oximes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1626-1630.	4.3	29
9	Optically Pure Polyfluoroalkanesulfinamides: Synthesis and Application as Promising and Monitorable Chiral Auxiliaries. <i>Journal of Organic Chemistry</i> , 2011, 76, 4675-4681.	3.2	28
10	Copper-catalyzed Regioselective Oxytrifluoromethylation of Allenes Using a CF ₃ -Transfer Reagent. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2907-2912.	4.3	28
11	Iodocyclization of trifluoromethylallenic phosphonates: an efficient approach to trifluoromethylated oxaphospholenes. <i>Tetrahedron</i> , 2010, 66, 9729-9732.	1.9	24
12	Copper-catalyzed stereoselective oxytrifluoromethylation of propargyl amides for the construction of oxazolines. <i>Organic Chemistry Frontiers</i> , 2015, 2, 542-547.	4.5	21
13	Metal-Mediated Reformatsky Reaction of Bromodifluoromethyl Ketone and Imine. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1144-1151.	2.4	19
14	Novel Bifunctionalization of Activated Methylene: Base-Promoted Trifluoromethylthiolation of β,β -Diketones with Trifluoromethanesulfinyl Chloride. <i>Chemistry - A European Journal</i> , 2019, 25, 10797-10802.	3.3	19
15	Highly enantioselective direct Michael addition of 1,3-dicarbonyl compounds to β -fluoroalkyl- β -nitroalkenes. <i>Tetrahedron</i> , 2014, 70, 2523-2528.	1.9	18
16	Copper-catalyzed Diastereoselective Synthesis of Trifluoromethylated Tetrahydrofurans. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1322-1327.	4.3	18
17	Synthesis and Identification of Solution-Stable Sulfenic Acids: Perfluoroalkanesulfenic Acids. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1182-1188.	2.4	17
18	A practical route for the highly stereoselective synthesis of tetrasubstituted fluoroalkenes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 467-473.	2.8	17

#	ARTICLE	IF	CITATIONS
19	Regio- and diastereoselective Reformatsky reaction of chiral fluoroalkyl $\hat{1}$, $\hat{2}$ -unsaturated N - tert-butanesulfinyl ketimines: Efficient asymmetric synthesis of $\hat{1}$ -fluoroalkyl $\hat{2}$ -vinyl $\hat{2}$ -amino esters. <i>Tetrahedron</i> , 2018, 74, 3074-3080.	1.9	17
20	The Regio-specific solvent controlled asymmetric Strecker reaction of trifluoromethyl $\hat{1}$, $\hat{2}$ -unsaturated N-tert-butanesulfinyl ketimines with trimethylsilyl cyanide. <i>Journal of Fluorine Chemistry</i> , 2012, 144, 102-107.	1.7	16
21	Transition metal-free aminofluorination of $\hat{1}$, $\hat{3}$ -unsaturated hydrazones: base-controlled regioselective synthesis of fluorinated dihydropyrazole and tetrahydropyridazine derivatives. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1155-1159.	4.5	16
22	Regiospecific and diastereoselective aldol reaction of chiral N-sulfinyl metalloenamines with $\hat{1}$, $\hat{2}$ -unsaturated trifluoromethyl ketones: Asymmetric synthesis of tertiary trifluoromethyl allylic carbinols. <i>Journal of Fluorine Chemistry</i> , 2012, 133, 102-107.	1.7	15
23	Diastereoselectivity-switchable and regiospecific hetero Diels-Alder reaction of N-sulfinylper(poly)fluoroalkanesulfinamides with dienes. <i>Tetrahedron</i> , 2005, 61, 6982-6987.	1.9	14
24	2-Chlorotetrafluoroethanesulfinamide induced asymmetric vinylogous Mannich reaction. <i>Tetrahedron</i> , 2014, 70, 1236-1245.	1.9	14
25	Asymmetric Pudovik Reaction of Chiral Fluoroalkyl $\hat{1}$, $\hat{2}$ -Unsaturated Ketimines and Diphenyl Phosphite. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1003-1006.	4.9	14
26	Metal-mediated Reformatsky reaction of bromodifluoromethyl ketone and aldehyde using water as solvent. <i>Journal of Fluorine Chemistry</i> , 2013, 156, 45-50.	1.7	13
27	Conjugate Additions of Secondary Amines and Water to Allenyl Perfluoroalkyl Sulfones. <i>Chinese Journal of Chemistry</i> , 2006, 24, 775-780.	4.9	12
28	Unusual Cycloadducts from the Dipolar Cycloaddition of Allenyl Perfluoroalkyl Sulfones to Nitrones. <i>Chinese Journal of Chemistry</i> , 2007, 25, 649-652.	4.9	12
29	The preparation and cycloaddition reaction of 1-sulfonyl-1-trifluoromethyl allenes. <i>Tetrahedron Letters</i> , 2017, 58, 3377-3379.	1.4	12
30	Synthesis of 2,2-difluoro-2H-chromenes through the tandem reaction of ethyl 3-bromo-3,3-difluoropropionate with salicylaldehyde derivatives. <i>Tetrahedron</i> , 2013, 69, 10820-10825.	1.9	11
31	Enantioselective Michael addition of cyclic ketones to nitroolefins catalyzed by a novel fluorine-insertion organocatalyst. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 212-218.	1.8	11
32	A Synthetic Approach to Tetrasubstituted Alkenes: Using $\hat{1}$ -Carbonyl Benzothiazol-2-yl Sulfones as Electrophiles. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6510-6513.	2.4	10
33	The Synthesis and Strecker Reaction of 2-Chlorotetrafluoroethanesulfinyl Ketimines. <i>Journal of Organic Chemistry</i> , 2014, 79, 3215-3220.	3.2	10
34	An efficient method for the synthesis of gem-difluoroolefins. <i>Tetrahedron Letters</i> , 2017, 58, 482-485.	1.4	10
35	Copper-catalyzed Intramolecular Carbotrifluoromethylation of Ene-Imines for the Construction of 3-(2,2,2-trifluoro)ethylated 4-Amino- β -Chromans. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1402-1406.	4.3	10
36	Diastereoselective Trifluoromethylation of Chiral $\hat{1}$, $\hat{2}$ -Unsaturated $\hat{1}$ -N-tert-butanesulfinyl Ketimines with Ruppert-Prakash Reagent: Asymmetric Synthesis of $\hat{1}$ -Tertiary Trifluoromethyl Allylic Amines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3418-3423.	4.3	10

#	ARTICLE	IF	CITATIONS
37	CF ₃ SOCl-promoted intramolecular cyclization of β -diketones: An efficient synthesis of flavones. <i>Tetrahedron</i> , 2021, 91, 132226.	1.9	10
38	Perfluoroalkylation of aromatics. <i>Chinese Journal of Chemistry</i> , 2010, 11, 272-279.	4.9	9
39	Base-controlled reaction of α,β -unsaturated trifluoromethyl ketone and dialkyl phosphite. <i>Tetrahedron Letters</i> , 2017, 58, 1871-1874.	1.4	9
40	Oxytrifluoromethylthiolation of 2,3-Allenolates with Trifluoromethanesulfinyl Chloride: A Synthetic Approach to Trifluoromethylthiolated 4-Oxo-2(E)-Alkenolates and Furans. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2882-2887.	4.3	9
41	Synthesis of trifluoromethylated compounds from alcohols via alkoxydiphenylphosphines. <i>Journal of Fluorine Chemistry</i> , 2015, 178, 254-259.	1.7	8
42	The addition of polyfluoroalkanesulfenic acids to alkenes. <i>Journal of Fluorine Chemistry</i> , 2016, 185, 24-30.	1.7	8
43	Preparation and Reactions of Perfluoroalkanesulfonyl Chlorides. <i>Chinese Journal of Chemistry</i> , 2017, 35, 442-446.	4.9	8
44	Decarboxylative difluoromethylation of aldehydes with PhSO ₂ CF ₂ COOK: A facile and efficient access to difluoromethylated carbinols. <i>Tetrahedron Letters</i> , 2018, 59, 3184-3187.	1.4	7
45	Asymmetric aza-Henry reaction of fluoromethylated imines catalyzed by cinchona-derived bifunctional thiourea. <i>Tetrahedron</i> , 2019, 75, 603-607.	1.9	7
46	The addition of perfluoroalkanesulfinyl chlorides to alkoxyallenes. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 329-331.	1.7	6
47	Synthesis and properties of β -perfluoroalkylcalix[4]arenes. <i>Chinese Journal of Chemistry</i> , 1993, 11, 370-375.	4.9	6
48	Perfluoroalkylation of benzo crown ethers with sodium perfluoroalkanesulfonates in the presence of oxidant. <i>Chinese Journal of Chemistry</i> , 1994, 12, 283-288.	4.9	5
49	Synthesis of Chiral α -Aminomalonates from α -Chlorotetrafluoroethanesulfinyl Aldimines through the Mannich Reaction. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3109-3115.	2.4	5
50	Triflylation of 1,4-Benzoquinones with sodium trifluoromethanesulfinate. <i>Journal of Fluorine Chemistry</i> , 2019, 228, 109410.	1.7	5
51	One-pot asymmetric reductive amination of ketones induced by polyfluoroalkanesulfinamide. <i>Journal of Fluorine Chemistry</i> , 2015, 173, 18-22.	1.7	4
52	Synthesis of α -alkynyl perfluoroalkyl sulfoxides by the reaction of terminal alkynes and perfluoroalkanesulfinyl chlorides. <i>Tetrahedron</i> , 2021, 83, 131994.	1.9	4
53	Synthesis of polyfluoroalkylated glycerol and crown ether. <i>Chinese Journal of Chemistry</i> , 1995, 13, 251-262.	4.9	3
54	A Convenient Synthesis of α -Aryl- β -per(poly) fluoroacylindoles. <i>Chinese Journal of Chemistry</i> , 2002, 20, 1330-1333.	4.9	3

#	ARTICLE	IF	CITATIONS
55	Synthesis of 5-fluoroalkyl Isoxazolidines via 1,3-dipolar cycloaddition of ethyl 2-hydroxyperfluoroalkanoates with nitrones. Chinese Journal of Chemistry, 2004, 22, 945-949.	4.9	3
56	A New Approach for the Synthesis of Perfluoroalkanesulfenic Acids. European Journal of Organic Chemistry, 2021, 2021, 1919-1923.	2.4	3
57	The reaction of perhalofluoroalkanes with sodium hydrogen sulfite or sodium dithionite in the presence of triethylamine. Chinese Journal of Chemistry, 1994, 12, 528-533.	4.9	2
58	Synthesis of 4-fluoroalkyl-2H-pyrido [1, 2-a] pyrimidin-2-ones from 2, 2-dihydroperfluoroalkanoic acids. Chinese Journal of Chemistry, 2010, 19, 1268-1272.	4.9	2
59	Decarboxylative aldol reaction of α,α -difluoro- β -keto acids and isatins: A facile synthesis of 3-difluoroalkyl-3-hydroxyoxindole derivatives. Journal of Fluorine Chemistry, 2022, 253, 109930.	1.7	1