

Zhiqiang Weng

List of Publications by Year in Descending Order

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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.

105
papers

3,022
citations

31
h-index

50
g-index

130
ext. papers

3,339
ext. citations

4.7
avg, IF

5.6
L-index

#	Paper	IF	Citations
105	Synthesis of 2-trifluoromethyl chromenes via double carbonyl α -ene reaction. <i>Organic Chemistry Frontiers</i> , 2022 , 9, 752-756	5.2	0
104	Metal-free synthesis of 5-trifluoromethyltetrazoles. <i>Tetrahedron Letters</i> , 2022 , 95, 153717	2	0
103	A method for synthesis of polysubstituted 4-difluoromethyl and perfluoroalkyl pyrazoles. <i>Tetrahedron</i> , 2021 , 85, 132062	2.4	3
102	[(bpy)CuSCF ₃]: A Practical and Efficient Reagent for the Construction of C-CF ₃ Bonds. <i>Synlett</i> , 2021 , 32, 109-118	2.2	4
101	Copper-catalyzed one-pot synthesis of 2-(2,2,2-trifluoroethyl)-substituted benzofused heterocycles. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 1997-2001	5.2	3
100	Silver-Catalyzed Regioselective Synthesis of Highly Substituted 2-Trifluoromethyl Pyrroles. <i>Organic Letters</i> , 2021 , 23, 6352-6356	6.2	4
99	Copper-Catalyzed Synthesis of 5-Aryl-6-(Trifluoromethyl)-2,3-Dihydropyrazolo[1,2-a]Pyrazol-1(5H)-One. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 2669-2673	4.5	2
98	Collaborative Activation of Trifluoroacetyl Diazoester by a Lewis Acid and Base for the Synthesis of Polysubstituted 4-Trifluoromethylpyrazoles. <i>Journal of Organic Chemistry</i> , 2020 , 85, 8714-8722	4.2	6
97	Synthesis of polysubstituted 5-trifluoromethyl isoxazoles via denitrogenative cyclization of vinyl azides with trifluoroacetic anhydride. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1878-1883	5.2	5
96	Copper-catalyzed synthesis of trifluoromethylated bis(indolyl)arylmethanes from 2-arylindoles and 2,2,2-trifluoroacetohydrazide. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 482-486	5.2	3
95	Silver-catalyzed synthesis of 5-aryl-3-trifluoromethyl pyrazoles. <i>Tetrahedron Letters</i> , 2020 , 61, 151455	2	9
94	Synthesis of pertrifluoromethyl pyridazine derivatives via a tandem reaction of aryldiazonium salts with hexafluoroacetylacetone. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 3499-3504	5.2	2
93	A general method for the synthesis of 5-difluoromethyl isoxazoles. <i>Tetrahedron Letters</i> , 2020 , 61, 152672		1
92	Copper-catalyzed interrupted click reaction: The synthesis of 3-difluoromethyl-substituted 1,2,4-triazinones. <i>Journal of Fluorine Chemistry</i> , 2019 , 226, 109359	2.1	4
91	Syntheses of 2-(2,2,2-trifluoroethylidene)/(2,2-difluoroethyl)-1,3-dicarbonyl compounds and their fungicidal activities. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 213-217	5.2	6
90	One-Pot Construction of 1-Phenylchromeno[3,4-b]pyrrol-4(3H)-one: Application to Total Synthesis of Ningalin B and a Pyrrolocoumarin-Based Electrochromic Switch. <i>Organic Letters</i> , 2019 , 21, 5225-5228	6.2	12
89	Synthesis of 3-perfluoroalkyl-substituted 1,2,4-triazinones through copper(I)-catalyzed interrupted click reaction. <i>Tetrahedron</i> , 2019 , 75, 2843-2847	2.4	10

88	Palladium-Catalyzed Tandem Synthesis of 2-Trifluoromethylthio(seleno)-Substituted Benzofused Heterocycles. <i>Organic Letters</i> , 2019 , 21, 5838-5842	6.2	18
87	Visible-light photoredox catalyzed synthesis of polysubstituted furfuryl trifluoroacetamide derivatives. <i>Tetrahedron</i> , 2019 , 75, 130751	2.4	3
86	Base-Mediated Tunable Synthesis of 2-Trifluoromethylated Furans and Dihydrofuranols: Extraordinary Stable in Sulfuric Acid. <i>Journal of Organic Chemistry</i> , 2019 , 84, 15685-15696	4.2	9
85	Perfluorocarboxylic Anhydrides Triggered Cyclization: Access to 4-Perfluoroalkylpyridines. <i>Journal of Organic Chemistry</i> , 2019 , 84, 14926-14935	4.2	7
84	Synthesis of 3-(tri/difluoromethyl)-1H-1,2,4-triazol-5(4H)-ones via the cyclization of hydrazinecarboxamides with tri/difluoroacetic anhydride. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 9343-9347	3.9	7
83	Elemental sulfur-promoted one-pot synthesis of 2-(2,2,2-trifluoroethyl)benzoxazoles and their derivatives. <i>Chemical Communications</i> , 2019 , 55, 13132-13135	5.8	12
82	Copper-catalyzed chemoselective synthesis of 4-trifluoromethyl pyrazoles.. <i>RSC Advances</i> , 2019 , 9, 30953-30956	3.7	4
81	Borrowing and Returning Oxygen Atom in Trifluoroacetic Anhydride Transfer to Nitrones: A Versatile Route for the Synthesis of N-Trifluoroacetyl Amides. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 1330-1334	3.2	6
80	Aluminium Chloride-Mediated Synthesis of 1-Chloro-2,2,2-Trifluoroethylidene-Substituted Pyrrolidones. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 2178-2182	5.6	10
79	Copper-Mediated One-Pot Synthesis of 2,2-Difluoro-1,3-benzoxathioles from o-Bromophenols and Trifluoromethanethiolate. <i>Organic Letters</i> , 2018 , 20, 481-484	6.2	12
78	Synthesis of Aryl Trifluoromethyl Ketones. <i>Synthesis</i> , 2018 , 50, 1958-1964	2.9	11
77	Copper-catalyzed synthesis of 2,2,2-trifluoroethyl selenoethers and their insecticidal activities. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 9269-9273	3.9	4
76	Synthesis of 4-trifluoromethyl 2-pyrones and pyridones through the Brüsted base-catalyzed Pechmann-type reaction with cyclic 1,3-diones. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 9440-9445	3.9	14
75	Copper-mediated synthesis of 2-trifluoromethylselenolated esters. <i>Journal of Fluorine Chemistry</i> , 2018 , 216, 43-46	2.1	16
74	Copper-catalyzed three-component reaction for the synthesis of fluoroalkoxyl imidates. <i>Tetrahedron</i> , 2018 , 74, 6631-6634	2.4	4
73	One-Pot Synthesis of 3-Difluoromethyl Benzoxazole-2-thiones. <i>Organic Letters</i> , 2018 , 20, 6407-6410	6.2	17
72	Elemental tellurium mediated synthesis of 2-(trifluoromethyl)oxazoles using trifluoroacetic anhydride as reagent. <i>Chemical Communications</i> , 2018 , 54, 10750-10753	5.8	39
71	Copper-catalyzed synthesis of 2,2-difluoro-1,3-benzoxathioles(selenoles) and their insecticidal activities: the selenium effect. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 4558-4562	3.9	6

70	Synthesis of trifluoromethylthiolated and trifluoromethylselenolated pyrones. <i>Tetrahedron</i> , 2017 , 73, 3853-3859	2.4	25
69	Trifluoromethylseleno-substituted ketones synthesis via copper-mediated trifluoromethylselenolation of bromoketones. <i>Journal of Fluorine Chemistry</i> , 2017 , 204, 1-5	2.1	15
68	Copper-Catalyzed Synthesis of Indol-3-yl (Difluoromethyl)-(trifluoromethyl)carbinols: Construction of Difluoromethylated sp Carbon Centers. <i>Organic Letters</i> , 2017 , 19, 5478-5481	6.2	12
67	Trifluoroacetic Anhydride Promoted Copper(I)-Catalyzed Interrupted Click Reaction: From 1,2,3-Triazoles to 3-Trifluoromethyl-Substituted 1,2,4-Triazinones. <i>Angewandte Chemie</i> , 2017 , 129, 10612-10615	3.6	15
66	Synthesis of 1,2,2-trifluorovinyl sulphides and selenides from trifluorovinylolation of organic thiocyanates and selenocyanates. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 2226-2229	5.2	9
65	Trifluoroacetic Anhydride Promoted Copper(I)-Catalyzed Interrupted Click Reaction: From 1,2,3-Triazoles to 3-Trifluoromethyl-Substituted 1,2,4-Triazinones. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10476-10480	16.4	43
64	Quinone-Mediated Trifluoromethylation of Arenes and Heteroarenes with Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 334-341	8.3	24
63	A general method for synthesis of Se-trifluoromethyl esters through Iron-catalyzed trifluoromethylselenolation of acid chlorides. <i>Journal of Fluorine Chemistry</i> , 2017 , 193, 24-32	2.1	24
62	Copper-Mediated Trifluoroacetylation of Arenediazonium Salts with Ethyl Trifluoropyruvate. <i>Chemistry - A European Journal</i> , 2016 , 22, 16455-16458	4.8	11
61	Copper-Mediated Trifluoromethylthiolation of Heteroaryl Bromides. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 386-394	5.6	32
60	A Convenient Process for the Preparation of Heteroaryl Trifluoromethyl Selenoethers. <i>Chinese Journal of Chemistry</i> , 2016 , 34, 505-510	4.9	29
59	Copper-mediated effective synthesis of S-trifluoromethyl esters by trifluoromethylthiolation of acid chlorides. <i>Tetrahedron</i> , 2016 , 72, 3525-3530	2.4	19
58	Decarboxylative Trifluoromethylating Reagent [Cu(O CCF)(phen)] and Difluorocarbene Precursor [Cu(phen)][O CCF Cl]. <i>Chemistry - A European Journal</i> , 2016 , 22, 2075-2084	4.8	51
57	Development of Multigram Scale Synthesis of Trifluoromethylthiolating Reagent: (bpy)CuSCF ₃ . <i>Organic Process Research and Development</i> , 2016 , 20, 799-802	3.9	10
56	Copper-mediated trifluoroethoxylation of vinyl bromides. <i>Tetrahedron Letters</i> , 2016 , 57, 1724-1727	2	7
55	Recent advances in trifluoromethylthiolation using nucleophilic trifluoromethylthiolating reagents. <i>Tetrahedron Letters</i> , 2016 , 57, 1397-1409	2	113
54	A class of effective decarboxylative perfluoroalkylating reagents: [(phen) ₂ Cu](O ₂ CRF). <i>Dalton Transactions</i> , 2016 , 45, 8468-74	4.3	19
53	Decarboxylative Perfluoroalkylation of Vinyl Bromides with Copper(I) Perfluorocarboxylato Complexes. <i>Asian Journal of Organic Chemistry</i> , 2016 , 5, 1406-1410	3	8

52	Copper-Catalyzed 2,2,2-Trifluoroethylthiolation of Aryl Halides. <i>Journal of Organic Chemistry</i> , 2016 , 81, 7993-8000	4.2	12
51	Synthesis of trifluoromethylthiolated pyridinones through the copper-mediated trifluoromethylthiolation of iodopyridinones. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 8615-8622	3.9	13
50	Trifluoromethylation of (hetero)aryl iodides and bromides with copper(I) chlorodifluoroacetate complexes. <i>RSC Advances</i> , 2016 , 6, 75465-75469	3.7	19
49	Aryl-BIAN-ligated silver(I) trifluoromethoxide complex. <i>Dalton Transactions</i> , 2015 , 44, 19682-6	4.3	53
48	Synthesis of vinyl trifluoromethyl selenoethers. <i>Tetrahedron Letters</i> , 2015 , 56, 3838-3841	2	23
47	Synthesis of α -trifluoroethoxy-substituted ketones. <i>Journal of Fluorine Chemistry</i> , 2015 , 175, 51-59	2.1	7
46	Well-defined copper(I) fluoroalkoxide complexes for trifluoroethoxylation of aryl and heteroaryl bromides. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 5736-9	16.4	28
45	Alkynyl trifluoromethyl selenide synthesis via oxidative trifluoromethylselenolation of terminal alkynes. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 574-577	5.2	36
44	Synthesis of α -trifluoromethylthio- and α -trifluoromethylseleno- β -unsaturated Ketones through Copper-Mediated Trifluoromethylthio(seleno)lation. <i>Synthesis</i> , 2015 , 47, 969-975	2.9	37
43	Berichtigung: Well-Defined Copper(I) Fluoroalkoxide Complexes for Trifluoroethoxylation of Aryl and Heteroaryl Bromides. <i>Angewandte Chemie</i> , 2015 , 127, 8134-8134	3.6	2
42	Well-Defined Copper(I) Fluoroalkoxide Complexes for Trifluoroethoxylation of Aryl and Heteroaryl Bromides. <i>Angewandte Chemie</i> , 2015 , 127, 5828-5831	3.6	9
41	Cu Cross-Coupling Reactions Catalyzed by Recyclable Core-Shell Structured Copper/Cu ₂ O Nanowires Under Ligand-Free Conditions. <i>Journal of Molecular and Engineering Materials</i> , 2015 , 03, 1540001	1.3	4
40	Transition-Metal-Mediated Synthesis of Trifluoroethyl Aryl Ethers. <i>Synlett</i> , 2015 , 26, 2327-2331	2.2	10
39	Synthesis of Vinyl Trifluoromethyl Thioethers via Copper-Mediated Trifluoromethylthiolation of Vinyl Bromides. <i>Journal of Organic Chemistry</i> , 2015 , 80, 2912-7	4.2	49
38	A new method for the synthesis of difluoromethyl enol ethers by O-difluoromethylation of 1,3-diones with ClCF ₂ CO ₂ Et. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 3432-7	3.9	17
37	Transition metal complex assisted Csp ³ -F bond formation. <i>Dalton Transactions</i> , 2015 , 44, 2021-37	4.3	28
36	Copper-catalyzed trifluoromethylselenolation of aryl and alkyl halides: the silver effect in transmetalation. <i>Organic Letters</i> , 2014 , 16, 524-7	6.2	52
35	An Improved Protocol for the Synthesis of α -Trifluoromethylthio-Substituted Ketones by Copper-Mediated Trifluoromethylthiolation of β -Bromo Ketones. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 7324-7328	3.2	45

34	Synthesis of Allylic and Propargylic Trifluoromethyl Thioethers by Copper(I)-Catalyzed Trifluoromethylthiolation of Allylic Bromides and Propargylic Chlorides. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 5010-5016	3.2	26
33	Copper-catalyzed synthesis of α -trifluoromethylthio-substituted ketones. <i>Organic Letters</i> , 2014 , 16, 3284-3287	3.2	86
32	Copper-mediated synthesis of α -trifluoromethylthio- and seleno- α -unsaturated carbonyl compounds. <i>Tetrahedron</i> , 2014 , 70, 672-677	2.4	65
31	Copper(I) trifluoromethylthiolate complex bearing triphenylphosphine ligand for nucleophilic trifluoromethylthiolation of allylic bromides. <i>Journal of Organometallic Chemistry</i> , 2014 , 751, 830-834	2.3	25
30	Efficient C(sp ³ alkyl)-SCF ₃ bond formations via copper-mediated trifluoromethylthiolation of alkyl halides. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 5500-8	3.9	39
29	Synthesis of Cu(I) trifluoromethylselenates for trifluoromethylselenolation of aryl and alkyl halides. <i>Chemistry - A European Journal</i> , 2014 , 20, 657-61	4.8	70
28	Synthesis of propargylic and allylic trifluoromethyl selenoethers by copper-mediated trifluoromethylselenolation of propargylic chlorides and allylic bromides. <i>Tetrahedron</i> , 2014 , 70, 8872-8878	2.4	33
27	Efficient S _N 2 Fluorination of Primary and Secondary Alkyl Bromides by Copper(I) Fluoride Complexes. <i>Organometallics</i> , 2013 , 32, 6587-6592	3.8	39
26	Nucleophilic Trifluoromethylthiolation of Allylic Bromides: A Facile Preparation of Allylic Trifluoromethyl Thioethers. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 921-926	4.9	45
25	Copper-catalyzed trifluoromethylation of arylsulfinate salts using an electrophilic trifluoromethylation reagent. <i>Tetrahedron</i> , 2013 , 69, 2628-2632	2.4	29
24	An Air-Stable Copper Reagent for Nucleophilic Trifluoromethylthiolation of Aryl Halides. <i>Angewandte Chemie</i> , 2013 , 125, 1588-1592	3.6	83
23	An air-stable copper reagent for nucleophilic trifluoromethylthiolation of aryl halides. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 1548-52	16.4	261
22	Room temperature nucleophilic trifluoromethylthiolation of benzyl bromides with (bpy)Cu(SCF ₃). <i>Tetrahedron</i> , 2013 , 69, 6046-6050	2.4	63
21	Preparation of fluorinated biaryls through direct palladium-catalyzed coupling of polyfluoroarenes with aryltrifluoroborates. <i>Journal of Fluorine Chemistry</i> , 2013 , 151, 50-57	2.1	18
20	Mild copper-catalyzed trifluoromethylation of terminal alkynes using an electrophilic trifluoromethylating reagent. <i>Tetrahedron</i> , 2012 , 68, 2527-2531	2.4	66
19	Synthesis of Copper(I) Thiolate Complexes in the Thioetherification of Aryl Halides. <i>Organometallics</i> , 2012 , 31, 8031-8037	3.8	53
18	Room-temperature base-free copper-catalyzed trifluoromethylation of organotrifluoroborates to trifluoromethylarenes. <i>Tetrahedron</i> , 2012 , 68, 9949-9953	2.4	33
17	Synthesis of trifluoromethylated acetylenes via copper-catalyzed trifluoromethylation of alkynyltrifluoroborates. <i>Tetrahedron Letters</i> , 2012 , 53, 6646-6649	2	29

16	Cooperative Effect of Silver in Copper-Catalyzed Trifluoromethylation of Aryl Iodides Using Me ₃ SiCF ₃ . <i>Organometallics</i> , 2011 , 30, 3229-3232	3.8	134
15	Ferrocenyl iminophosphine ligands in Pd-catalysed Suzuki couplings. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 2928-2934	2.3	21
14	Chromium(III) catalysed ethylene tetramerization promoted by bis(phosphino)amines with an N-functionalized pendant. <i>Dalton Transactions</i> , 2007 , 3493-8	4.3	61
13	Metal unsaturation and ligand hemilability in Suzuki coupling. <i>Accounts of Chemical Research</i> , 2007 , 40, 676-84	24.3	168
12	A Strange Nickel(I)Nickel(0) Binuclear Complex and Its Unexpected Ethylene Oligomerization. <i>Organometallics</i> , 2007 , 26, 2950-2952	3.8	25
11	A structurally characterized Ni-Al methyl-bridged complex with catalytic ethylene oligomerization activity. <i>Chemical Communications</i> , 2006 , 1319-21	5.8	36
10	Stabilization of Nickel(0) by Hemilabile P,N-Ferrocene Ligands and Their Ethylene Oligomerization Activities. <i>Organometallics</i> , 2006 , 25, 4878-4882	3.8	85
9	Ethylene oligomerization at coordinatively and electronically unsaturated low-valent nickel. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7560-4	16.4	41
8	Efficient Suzuki Coupling of Aryl Chlorides Catalyzed by Palladium(0) with a P,N Heteroligand and Isolation of Unsaturated Intermediates. <i>Organometallics</i> , 2004 , 23, 4342-4345	3.8	53
7	Homolytic cleavage and aggregation processes in cyclopentadienylchromium chemistry. <i>Accounts of Chemical Research</i> , 2004 , 37, 187-99	24.3	28
6	Complexes from Ring Opening of Lawesson's Reagent and PhosphorusPhosphorus Coupling. <i>Organometallics</i> , 2003 , 22, 1645-1656	3.8	23
5	Phosphinidene- and Phosphido-Bridged Complexes from a η -Arylthioxophosphane Cyclopentadienylchromium Complex. <i>Organometallics</i> , 2003 , 22, 1657-1662	3.8	9
4	Synthetic and Structural Study of Cyclopentadienylchromium Dithiocarbamate Complexes and Their Thermolytic Derivatives. <i>Organometallics</i> , 2002 , 21, 4398-4407	3.8	28
3	Organometallic Radical-Initiated CarbonSulfur Bond Cleavage and CarbonCarbon Coupling in Dithiocarbamate and Thiocarbenoid Cyclopentadienylchromium Complexes. <i>Organometallics</i> , 2002 , 21, 4408-4414	3.8	21
2	C-S Bond Cleavage and C-C Coupling in Cyclopentadienylchromium Complexes To Give the First Dithiooxamide-Bridged and Doubly Dithiocarbamate-Bridged Double Cubanes: [Cp ₆ Cr ₈ S ₈ {(C(S)NEt ₂) ₂ }] and [Cp ₆ Cr ₈ S ₈ (S ₂ CNEt ₂) ₂]. <i>Angewandte Chemie</i> , 2001 , 113, 3336-3339	3.6	6
1	C-S Bond Cleavage and C-C Coupling in Cyclopentadienylchromium Complexes To Give the First Dithiooxamide-Bridged and Doubly Dithiocarbamate-Bridged Double Cubanes: [Cp ₆ Cr ₈ S ₈ {(C(S)NEt ₂) ₂ }] and [Cp ₆ Cr ₈ S ₈ (S ₂ CNEt ₂) ₂]. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3236-3239	16.4	31