

# Zhiqiang Weng

## List of Publications by Citations

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papers

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31  
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50  
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130  
ext. papers

3,339  
ext. citations

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L-index

#	Paper	IF	Citations
105	An air-stable copper reagent for nucleophilic trifluoromethylthiolation of aryl halides. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1548-52	16.4	261
104	Metal unsaturation and ligand hemilability in Suzuki coupling. <i>Accounts of Chemical Research</i> , <b>2007</b> , 40, 676-84	24.3	168
103	Cooperative Effect of Silver in Copper-Catalyzed Trifluoromethylation of Aryl Iodides Using Me <sub>3</sub> SiCF <sub>3</sub> . <i>Organometallics</i> , <b>2011</b> , 30, 3229-3232	3.8	134
102	Recent advances in trifluoromethylthiolation using nucleophilic trifluoromethylthiolating reagents. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 1397-1409	2	113
101	Copper-catalyzed synthesis of $\alpha$ -trifluoromethylthio-substituted ketones. <i>Organic Letters</i> , <b>2014</b> , 16, 3284-3287	7.2	86
100	Stabilization of Nickel(0) by Hemilabile P,N-Ferrocene Ligands and Their Ethylene Oligomerization Activities. <i>Organometallics</i> , <b>2006</b> , 25, 4878-4882	3.8	85
99	An Air-Stable Copper Reagent for Nucleophilic Trifluoromethylthiolation of Aryl Halides. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1588-1592	3.6	83
98	Synthesis of Cu(I) trifluoromethylselenates for trifluoromethylselenolation of aryl and alkyl halides. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 657-61	4.8	70
97	Mild copper-catalyzed trifluoromethylation of terminal alkynes using an electrophilic trifluoromethylating reagent. <i>Tetrahedron</i> , <b>2012</b> , 68, 2527-2531	2.4	66
96	Copper-mediated synthesis of $\alpha$ -trifluoromethylthio- and seleno- $\alpha$ -unsaturated carbonyl compounds. <i>Tetrahedron</i> , <b>2014</b> , 70, 672-677	2.4	65
95	Room temperature nucleophilic trifluoromethylthiolation of benzyl bromides with (bpy)Cu(SCF <sub>3</sub> ). <i>Tetrahedron</i> , <b>2013</b> , 69, 6046-6050	2.4	63
94	Chromium(III) catalysed ethylene tetramerization promoted by bis(phosphino)amines with an N-functionalized pendant. <i>Dalton Transactions</i> , <b>2007</b> , 3493-8	4.3	61
93	Aryl-BIAN-ligated silver(I) trifluoromethoxide complex. <i>Dalton Transactions</i> , <b>2015</b> , 44, 19682-6	4.3	53
92	Synthesis of Copper(I) Thiolate Complexes in the Thioetherification of Aryl Halides. <i>Organometallics</i> , <b>2012</b> , 31, 8031-8037	3.8	53
91	Efficient Suzuki Coupling of Aryl Chlorides Catalyzed by Palladium(0) with a P,N Heteroligand and Isolation of Unsaturated Intermediates. <i>Organometallics</i> , <b>2004</b> , 23, 4342-4345	3.8	53
90	Copper-catalyzed trifluoromethylselenolation of aryl and alkyl halides: the silver effect in transmetalation. <i>Organic Letters</i> , <b>2014</b> , 16, 524-7	6.2	52
89	Decarboxylative Trifluoromethylating Reagent [Cu(O CCF <sub>3</sub> )(phen)] and Difluorocarbene Precursor [Cu(phen)][O CCF <sub>3</sub> Cl]. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 2075-2084	4.8	51

88	Synthesis of Vinyl Trifluoromethyl Thioethers via Copper-Mediated Trifluoromethylthiolation of Vinyl Bromides. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 2912-7	4.2	49
87	An Improved Protocol for the Synthesis of $\alpha$ -Trifluoromethylthio-Substituted Ketones by Copper-Mediated Trifluoromethylthiolation of $\alpha$ -Bromo Ketones. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 7324-7328	3.2	45
86	Nucleophilic Trifluoromethylthiolation of Allylic Bromides: A Facile Preparation of Allylic Trifluoromethyl Thioethers. <i>Chinese Journal of Chemistry</i> , <b>2013</b> , 31, 921-926	4.9	45
85	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> , <b>2017</b> , 56, 10476-10480	16.4	43
84	Ethylene oligomerization at coordinatively and electronically unsaturated low-valent nickel. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 7560-4	16.4	41
83	Efficient S <sub>N</sub> 2 Fluorination of Primary and Secondary Alkyl Bromides by Copper(I) Fluoride Complexes. <i>Organometallics</i> , <b>2013</b> , 32, 6587-6592	3.8	39
82	Efficient C(sp <sup>3</sup> alkyl)-SCF <sub>3</sub> bond formations via copper-mediated trifluoromethylthiolation of alkyl halides. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 5500-8	3.9	39
81	Elemental tellurium mediated synthesis of 2-(trifluoromethyl)oxazoles using trifluoroacetic anhydride as reagent. <i>Chemical Communications</i> , <b>2018</b> , 54, 10750-10753	5.8	39
80	Synthesis of $\alpha$ -Trifluoromethylthio- and $\alpha$ -Trifluoromethylseleno- $\alpha$ -Unsaturated Ketones through Copper-Mediated Trifluoromethylthio(seleno)lation. <i>Synthesis</i> , <b>2015</b> , 47, 969-975	2.9	37
79	Alkynyl trifluoromethyl selenide synthesis via oxidative trifluoromethylselenolation of terminal alkynes. <i>Organic Chemistry Frontiers</i> , <b>2015</b> , 2, 574-577	5.2	36
78	A structurally characterized Ni-Al methyl-bridged complex with catalytic ethylene oligomerization activity. <i>Chemical Communications</i> , <b>2006</b> , 1319-21	5.8	36
77	Synthesis of propargylic and allylic trifluoromethyl selenoethers by copper-mediated trifluoromethylselenolation of propargylic chlorides and allylic bromides. <i>Tetrahedron</i> , <b>2014</b> , 70, 8872-8878	2.4	33
76	Room-temperature base-free copper-catalyzed trifluoromethylation of organotrifluoroborates to trifluoromethylarenes. <i>Tetrahedron</i> , <b>2012</b> , 68, 9949-9953	2.4	33
75	Copper-Mediated Trifluoromethylthiolation of Heteroaryl Bromides. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 386-394	5.6	32
74	C-S Bond Cleavage and C-C Coupling in Cyclopentadienylchromium Complexes To Give the First Dithiooxamide-Bridged and Doubly Dithiocarbamate-Bridged Double Cubanes: [Cp Cr S {(C(S)NEt)}] and [Cp Cr S (S CNEt)]. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 3236-3239	16.4	31
73	A Convenient Process for the Preparation of Heteroaryl Trifluoromethyl Selenoethers. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 505-510	4.9	29
72	Copper-catalyzed trifluoromethylation of arylsulfinate salts using an electrophilic trifluoromethylation reagent. <i>Tetrahedron</i> , <b>2013</b> , 69, 2628-2632	2.4	29
71	Synthesis of trifluoromethylated acetylenes via copper-catalyzed trifluoromethylation of alkynyltrifluoroborates. <i>Tetrahedron Letters</i> , <b>2012</b> , 53, 6646-6649	2	29

70	Well-defined copper(i) fluoroalkoxide complexes for trifluoroethoxylation of aryl and heteroaryl bromides. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5736-9	16.4	28
69	Transition metal complex assisted Csp <sup>3</sup> -F bond formation. <i>Dalton Transactions</i> , <b>2015</b> , 44, 2021-37	4.3	28
68	Homolytic cleavage and aggregation processes in cyclopentadienylchromium chemistry. <i>Accounts of Chemical Research</i> , <b>2004</b> , 37, 187-99	24.3	28
67	Synthetic and Structural Study of Cyclopentadienylchromium Dithiocarbamate Complexes and Their Thermolytic Derivatives. <i>Organometallics</i> , <b>2002</b> , 21, 4398-4407	3.8	28
66	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> , <b>2014</b> , 2014, 5010-5016	3.2	26
65	Synthesis of trifluoromethylthiolated and trifluoromethylselenolated pyrones. <i>Tetrahedron</i> , <b>2017</b> , 73, 3853-3859	2.4	25
64	Copper(I) trifluoromethylthiolate complex bearing triphenylphosphine ligand for nucleophilic trifluoromethylthiolation of allylic bromides. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 751, 830-834	2.3	25
63	A Strange Nickel(I)–Nickel(0) Binuclear Complex and Its Unexpected Ethylene Oligomerization. <i>Organometallics</i> , <b>2007</b> , 26, 2950-2952	3.8	25
62	Quinone-Mediated Trifluoromethylation of Arenes and Heteroarenes with Visible Light. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 334-341	8.3	24
61	A general method for synthesis of Se-trifluoromethyl esters through Iron-catalyzed trifluoromethylselenolation of acid chlorides. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 193, 24-32	2.1	24
60	Synthesis of vinyl trifluoromethyl selenoethers. <i>Tetrahedron Letters</i> , <b>2015</b> , 56, 3838-3841	2	23
59	Complexes from Ring Opening of Lawesson's Reagent and Phosphorus–Phosphorus Coupling. <i>Organometallics</i> , <b>2003</b> , 22, 1645-1656	3.8	23
58	Ferrocenyl iminophosphine ligands in Pd-catalysed Suzuki couplings. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 2928-2934	2.3	21
57	Organometallic Radical-Initiated Carbon–Sulfur Bond Cleavage and Carbon–Carbon Coupling in Dithiocarbamate and Thiocarbenoid Cyclopentadienylchromium Complexes. <i>Organometallics</i> , <b>2002</b> , 21, 4408-4414	3.8	21
56	Copper-mediated effective synthesis of S-trifluoromethyl esters by trifluoromethylthiolation of acid chlorides. <i>Tetrahedron</i> , <b>2016</b> , 72, 3525-3530	2.4	19
55	A class of effective decarboxylative perfluoroalkylating reagents: [(phen) <sub>2</sub> Cu](O <sub>2</sub> CRF). <i>Dalton Transactions</i> , <b>2016</b> , 45, 8468-74	4.3	19
54	Trifluoromethylation of (hetero)aryl iodides and bromides with copper(I) chlorodifluoroacetate complexes. <i>RSC Advances</i> , <b>2016</b> , 6, 75465-75469	3.7	19
53	Palladium-Catalyzed Tandem Synthesis of 2-Trifluoromethylthio(seleno)-Substituted Benzofused Heterocycles. <i>Organic Letters</i> , <b>2019</b> , 21, 5838-5842	6.2	18

52	Preparation of fluorinated biaryls through direct palladium-catalyzed coupling of polyfluoroarenes with aryltrifluoroborates. <i>Journal of Fluorine Chemistry</i> , <b>2013</b> , 151, 50-57	2.1	18
51	A new method for the synthesis of difluoromethyl enol ethers by O-difluoromethylation of 1,3-diones with ClCF <sub>2</sub> CO <sub>2</sub> Et. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 3432-7	3.9	17
50	One-Pot Synthesis of 3-Difluoromethyl Benzoxazole-2-thiones. <i>Organic Letters</i> , <b>2018</b> , 20, 6407-6410	6.2	17
49	Copper-mediated synthesis of $\alpha$ -trifluoromethylselenolated esters. <i>Journal of Fluorine Chemistry</i> , <b>2018</b> , 216, 43-46	2.1	16
48	$\alpha$ -Trifluoromethylseleno-substituted ketones synthesis via copper-mediated trifluoromethylselenolation of $\alpha$ -bromoketones. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 204, 1-5	2.1	15
47	Copper-catalyzed chemoselective synthesis of 4-trifluoromethyl pyrazoles.. <i>RSC Advances</i> , <b>2019</b> , 9, 30953-30956	3.9	14
46	Synthesis of 4-trifluoromethyl 2-pyrones and pyridones through the Brønsted base-catalyzed Pechmann-type reaction with cyclic 1,3-diones. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 9440-9445	3.9	14
45	Synthesis of trifluoromethylthiolated pyridinones through the copper-mediated trifluoromethylthiolation of iodopyridinones. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 8615-8622	3.9	13
44	Copper-Catalyzed Synthesis of Indol-3-yl $\alpha$ -(Difluoromethyl)- $\alpha$ -(trifluoromethyl)carbinols: Construction of Difluoromethylated sp Carbon Centers. <i>Organic Letters</i> , <b>2017</b> , 19, 5478-5481	6.2	12
43	One-Pot Construction of 1-Phenylchromeno[3,4- b]pyrrol-4(3 H)-one: Application to Total Synthesis of Ningalin B and a Pyrrolocoumarin-Based Electrochromic Switch. <i>Organic Letters</i> , <b>2019</b> , 21, 5225-5228	6.2	12
42	Copper-Mediated One-Pot Synthesis of 2,2-Difluoro-1,3-benzoxathioles from o-Bromophenols and Trifluoromethanethiolate. <i>Organic Letters</i> , <b>2018</b> , 20, 481-484	6.2	12
41	Copper-Catalyzed 2,2,2-Trifluoroethylthiolation of Aryl Halides. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 7993-8000	4.2	12
40	Elemental sulfur-promoted one-pot synthesis of 2-(2,2,2-trifluoroethyl)benzoxazoles and their derivatives. <i>Chemical Communications</i> , <b>2019</b> , 55, 13132-13135	5.8	12
39	Synthesis of Aryl Trifluoromethyl Ketones. <i>Synthesis</i> , <b>2018</b> , 50, 1958-1964	2.9	11
38	Copper-Mediated Trifluoroacetylation of Arenediazonium Salts with Ethyl Trifluoropyruvate. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 16455-16458	4.8	11
37	Synthesis of 3-perfluoroalkyl-substituted 1,2,4-triazinones through copper(I)-catalyzed interrupted click reaction. <i>Tetrahedron</i> , <b>2019</b> , 75, 2843-2847	2.4	10
36	Aluminium Chloride-Mediated Synthesis of 1-Chloro-2,2,2-Trifluoroethylidene-Substituted Pyrrolidones. <i>Advanced Synthesis and Catalysis</i> , <b>2018</b> , 360, 2178-2182	5.6	10
35	Development of Multigram Scale Synthesis of Trifluoromethylthiolating Reagent: (bpy)CuSCF <sub>3</sub> . <i>Organic Process Research and Development</i> , <b>2016</b> , 20, 799-802	3.9	10

- 34 Transition-Metal-Mediated Synthesis of Trifluoroethyl Aryl Ethers. *Synlett*, **2015**, 26, 2327-2331 2.2 10
- 33 Base-Mediated Tunable Synthesis of 2-Trifluoromethylated Furans and Dihydrofurans: Extraordinary Stable in Sulfuric Acid. *Journal of Organic Chemistry*, **2019**, 84, 15685-15696 4.2 9
- 32 Synthesis of 1,2,2-trifluorovinyl sulphides and selenides from trifluorovinylolation of organic thiocyanates and selenocyanates. *Organic Chemistry Frontiers*, **2017**, 4, 2226-2229 5.2 9
- 31 Well-Defined Copper(I) Fluoroalkoxide Complexes for Trifluoroethoxylation of Aryl and Heteroaryl Bromides. *Angewandte Chemie*, **2015**, 127, 5828-5831 3.6 9
- 30 Phosphinidene- and Phosphido-Bridged Complexes from a  $\eta$ -Arylthioxophosphane Cyclopentadienylchromium Complex. *Organometallics*, **2003**, 22, 1657-1662 3.8 9
- 29 Silver-catalyzed synthesis of 5-aryl-3-trifluoromethyl pyrazoles. *Tetrahedron Letters*, **2020**, 61, 151455 2 9
- 28 Decarboxylative Perfluoroalkylation of Vinyl Bromides with Copper(I) Perfluorocarboxylate Complexes. *Asian Journal of Organic Chemistry*, **2016**, 5, 1406-1410 3 8
- 27 Synthesis of  $\alpha$ -trifluoroethoxy-substituted ketones. *Journal of Fluorine Chemistry*, **2015**, 175, 51-59 2.1 7
- 26 Copper-mediated trifluoroethoxylation of vinyl bromides. *Tetrahedron Letters*, **2016**, 57, 1724-1727 2 7
- 25 Perfluorocarboxylic Anhydrides Triggered Cyclization: Access to 4-Perfluoroalkylpyridines. *Journal of Organic Chemistry*, **2019**, 84, 14926-14935 4.2 7
- 24 Synthesis of 3-(tri/difluoromethyl)-1H-1,2,4-triazol-5(4H)-ones via the cyclization of hydrazinecarboxamides with tri/difluoroacetic anhydride. *Organic and Biomolecular Chemistry*, **2019**, 17, 9343-9347 3.9 7
- 23 Syntheses of 2-(2,2,2-trifluoroethylidene)/(2,2-difluoroethyl)-1,3-dicarbonyl compounds and their fungicidal activities. *Organic Chemistry Frontiers*, **2019**, 6, 213-217 5.2 6
- 22 Collaborative Activation of Trifluoroacetyl Diazoester by a Lewis Acid and Base for the Synthesis of Polysubstituted 4-Trifluoromethylpyrazoles. *Journal of Organic Chemistry*, **2020**, 85, 8714-8722 4.2 6
- 21 C $\sigma$  Bond Cleavage and C $\sigma$  Coupling in Cyclopentadienylchromium Complexes To Give the First Dithioamide-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 $_2$ }] $_2$ . *Angewandte Chemie*, **2001**, 113, 3336-3339 3.6 6
- 20 Borrowing and Returning Oxygen Atom in Trifluoroacetic Anhydride Transfer to Nitrones: A Versatile Route for the Synthesis of N-Trifluoroacetyl Amides. *European Journal of Organic Chemistry*, **2019**, 2019, 1330-1334 3.2 6
- 19 Copper-catalyzed synthesis of 2,2-difluoro-1,3-benzoxathioles(selenoles) and their insecticidal activities: the selenium effect. *Organic and Biomolecular Chemistry*, **2018**, 16, 4558-4562 3.9 6
- 18 Synthesis of polysubstituted 5-trifluoromethyl isoxazoles via denitrogenative cyclization of vinyl azides with trifluoroacetic anhydride. *Organic Chemistry Frontiers*, **2020**, 7, 1878-1883 5.2 5
- 17 Trifluoroacetic Anhydride Promoted Copper(I)-Catalyzed Interrupted Click Reaction: From 1,2,3-Triazoles to 3-Trifluoromethyl-Substituted 1,2,4-Triazinones. *Angewandte Chemie*, **2017**, 129, 10612-10615 3.6 5

16	Copper-catalyzed interrupted click reaction: The synthesis of 3-difluoromethyl-substituted 1,2,4-triazinones. <i>Journal of Fluorine Chemistry</i> , <b>2019</b> , 226, 109359	2.1	4
15	Cu Cross-Coupling Reactions Catalyzed by Recyclable Core-Shell Structured Copper/Cu <sub>2</sub> O Nanowires Under Ligand-Free Conditions. <i>Journal of Molecular and Engineering Materials</i> , <b>2015</b> , 03, 1540001	1.3	4
14	[(bpy)CuSCF <sub>3</sub> ]: A Practical and Efficient Reagent for the Construction of C-CF <sub>3</sub> Bonds. <i>Synlett</i> , <b>2021</b> , 32, 109-118	2.2	4
13	Copper-catalyzed synthesis of 2,2,2-trifluoroethyl selenoethers and their insecticidal activities. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 9269-9273	3.9	4
12	Copper-catalyzed three-component reaction for the synthesis of fluoroalkoxyl imidates. <i>Tetrahedron</i> , <b>2018</b> , 74, 6631-6634	2.4	4
11	Silver-Catalyzed Regioselective Synthesis of Highly Substituted 2-Trifluoromethyl Pyrroles. <i>Organic Letters</i> , <b>2021</b> , 23, 6352-6356	6.2	4
10	Visible-light photoredox catalyzed synthesis of polysubstituted furfuryl trifluoroacetamide derivatives. <i>Tetrahedron</i> , <b>2019</b> , 75, 130751	2.4	3
9	Copper-catalyzed synthesis of trifluoromethylated bis(indolyl)arylmethanes from 2-arylindoles and 2,2,2-trifluoroacetohydrazide. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 482-486	5.2	3
8	A method for synthesis of polysubstituted 4-difluoromethyl and perfluoroalkyl pyrazoles. <i>Tetrahedron</i> , <b>2021</b> , 85, 132062	2.4	3
7	Copper-catalyzed one-pot synthesis of 2-(2,2,2-trifluoroethyl)-substituted benzofused heterocycles. <i>Organic Chemistry Frontiers</i> , <b>2021</b> , 8, 1997-2001	5.2	3
6	Berichtigung: Well-Defined Copper(I) Fluoroalkoxide Complexes for Trifluoroethoxylation of Aryl and Heteroaryl Bromides. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 8134-8134	3.6	2
5	Synthesis of pertrifluoromethyl pyridazine derivatives via a tandem reaction of aryldiazonium salts with hexafluoroacetylacetone. <i>Organic Chemistry Frontiers</i> , <b>2020</b> , 7, 3499-3504	5.2	2
4	Copper-Catalyzed Synthesis of 5-Aryl-6-(Trifluoromethyl)-2,3-Dihydropyrazolo[1,2-a]Pyrazol-1(5H)-One. <i>Chemistry - an Asian Journal</i> , <b>2021</b> , 16, 2669-2673	4.5	2
3	A general method for the synthesis of 5-difluoromethyl isoxazoles. <i>Tetrahedron Letters</i> , <b>2020</b> , 61, 152672	2	1
2	Metal-free synthesis of 5-trifluoromethyltetrazoles. <i>Tetrahedron Letters</i> , <b>2022</b> , 95, 153717	2	0
1	Synthesis of 2-trifluoromethyl chromenes via double carbonyl-ene reaction. <i>Organic Chemistry Frontiers</i> , <b>2022</b> , 9, 752-756	5.2	