

Cheng-Pan Zhang

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.

83

papers

3,054

citations

28

h-index

54

g-index

111

ext. papers

3,479

ext. citations

5.3

avg, IF

5.82

L-index

#	Paper	IF	Citations
83	Nickel-catalyzed synthesis of aryl trifluoromethyl sulfides at room temperature. <i>Journal of the American Chemical Society</i> , 2012 , 134, 183-5	16.4	300
82	Copper-mediated trifluoromethylation of heteroaromatic compounds by trifluoromethyl sulfonium salts. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1896-900	16.4	279
81	Progress in fluoroalkylation of organic compounds via sulfinatodehalogenation initiation system. <i>Chemical Society Reviews</i> , 2012 , 41, 4536-59	58.5	163
80	Oxidative trifluoromethylthiolations of aryl boronic acids using a copper/O ₂ -based protocol. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1756-8	4.5	160
79	Generation of the CF ₃ radical from trifluoromethylsulfonium triflate and its trifluoromethylation of styrenes. <i>Chemical Communications</i> , 2011 , 47, 6632-4	5.8	139
78	Fluoroalkylation reactions in aqueous media: a review. <i>Green Chemistry</i> , 2018 , 20, 1662-1731	10	125
77	Copper-mediated trifluoromethylation of arylboronic acids by trifluoromethyl sulfonium salts. <i>Chemical Communications</i> , 2011 , 47, 9516-8	5.8	117
76	A five-coordinate nickel(II) fluoroalkyl complex as a precursor to a spectroscopically detectable Ni(III) species. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8141-4	16.4	106
75	Operationally simple hydrotrifluoromethylation of alkenes with sodium triflinate enabled by Ir photoredox catalysis. <i>Chemical Communications</i> , 2016 , 52, 6371-4	5.8	99
74	An overview of reductive trifluoromethylation reactions using electrophilic CF ₃ ⁺ reagents. <i>Tetrahedron</i> , 2015 , 71, 7949-7976	2.4	90
73	Copper-Mediated Trifluoromethylation of Heteroaromatic Compounds by Trifluoromethyl Sulfonium Salts. <i>Angewandte Chemie</i> , 2011 , 123, 1936-1940	3.6	81
72	Difluoromethylation and trifluoromethylation reagents derived from tetrafluoroethane sulfone: Synthesis, reactivity and applications. <i>Coordination Chemistry Reviews</i> , 2014 , 261, 28-72	23.2	77
71	Oxygen-Bound Trifluoromethoxide Complexes of Copper and Gold. <i>Organometallics</i> , 2012 , 31, 7812-7815	5.8	69
70	Silver-mediated direct trifluoromethoxylation of diazo esters via the (-)OCF ₃ anion. <i>Chemical Communications</i> , 2016 , 52, 7458-61	5.8	65
69	Synthesis of α -Unsaturated Carbonyl-Based Compounds, Oxime and Oxime Ether Analogs as Potential Anticancer Agents for Overcoming Cancer Multidrug Resistance by Modulation of Efflux Pumps in Tumor Cells. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 3549-61	8.3	60
68	Sonogashira Reaction Using Arylsulfonium Salts as Cross-Coupling Partners. <i>Organic Letters</i> , 2017 , 19, 5454-5457	6.2	60
67	Application of arylsulfonium salts as arylation reagents. <i>Tetrahedron Letters</i> , 2018 , 59, 299-309	2	54

66	Recent progress on fluorination in aqueous media. <i>Green Chemistry</i> , 2017 , 19, 3951-3992	10	50
65	Palladium-catalyzed Mizoroki-Heck-type reactions of [PhSR][OTf] with alkenes at room temperature. <i>Chemical Communications</i> , 2016 , 52, 11893-11896	5.8	46
64	Copper-catalyzed trifluoromethylation of alkenes with an electrophilic trifluoromethylating reagent. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 2635-40	2.5	44
63	Expeditious trifluoromethylthiolation and trifluoromethylselenolation of alkynyl(phenyl)iodoniums by [XCF] (X = S, Se) anions. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 11502-11509	3.9	43
62	Palladium-Catalyzed Arylation of Arylboronic Acids with Yagupolskii-Umemoto Reagents. <i>Chemistry - A European Journal</i> , 2016 , 22, 6542-6	4.8	42
61	Nickel-Catalyzed Trifluoromethylselenolation of Aryl Halides Using the Readily Available [MeN][SeCF ₃] Salt. <i>Organic Letters</i> , 2017 , 19, 3919-3922	6.2	42
60	Catalyst- and Additive-Free Trifluoromethylselenolation with [Me ₄ N][SeCF ₃]. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1327-1335	8.3	38
59	A Metal-Free Diverse Synthesis of Difluoromethylthioethers and Difluorobis(arylthio)methanes from RSX (X = SR, Cl, SO ₂ Ph) and TMSCF ₂ H. <i>Journal of Organic Chemistry</i> , 2016 , 81, 2506-12	4.2	37
58	Fluorination and Fluoroalkylation Reactions Mediated by Hypervalent Iodine Reagents. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 4256-4292	5.6	33
57	Biological evaluation of synthetic α,β -unsaturated carbonyl based cyclohexanone derivatives as neuroprotective novel inhibitors of acetylcholinesterase, butyrylcholinesterase and amyloid- β aggregation. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 2352-9	3.4	30
56	Pd-catalyzed Suzuki-Miyaura cross-coupling of [Ph ₂ SR][OTf] with arylboronic acids. <i>Tetrahedron</i> , 2016 , 72, 7606-7612	2.4	29
55	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
54	Organic Photoredox-Catalyzed Decarboxylative Trifluoromethylselenolation of Aliphatic Carboxylic Acids with [MeN][SeCF ₃]. <i>Organic Letters</i> , 2019 , 21, 10013-10017	6.2	28
53	Metal-free oxidative trifluoromethylselenolation of electron-rich (hetero)arenes with the readily available [Me ₄ N][SeCF ₃] reagent. <i>Organic Chemistry Frontiers</i> , 2019 , 6, 2732-2737	5.2	24
52	Recent Progress in Metal-Mediated Trifluoroethylation. <i>Current Organic Chemistry</i> , 2015 , 19, 1554-1565	1.7	24
51	Transition-Metal-Free N-Arylation of Amines by Triarylsulfonium Triflates. <i>Chemistry - A European Journal</i> , 2018 , 24, 13744-13748	4.8	24
50	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
49	Pd-catalyzed divergent trifluoroethylation and arylation of arylboronic acids by aryl(2,2,2-trifluoroethyl)iodonium triflates. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 7654-8	3.9	20

48	Copper-Mediated Trifluoromethylation of Terminal Alkynes by S-(Trifluoromethyl)diarylsulfonium Salt. <i>Chinese Journal of Chemistry</i> , 2013 , 31, 915-920	4.9	20
47	Ullmann-type N-arylation of anilines with alkyl(aryl)sulfonium salts. <i>Chemical Communications</i> , 2019 , 55, 11936-11939	5.8	19
46	Diversified facile synthesis of benzimidazoles, quinazolin-4(3H)-ones and 1,4-benzodiazepine-2,5-diones via palladium-catalyzed transfer hydrogenation/condensation cascade of nitro arenes under microwave irradiation. <i>RSC Advances</i> , 2015 , 5, 11132-11135	3.7	18
45	Bi-functional fluoroalkylation reagents: an introduction to halo-substituted 3-oxa-perfluoroalkanesulfonyl fluorides. <i>Tetrahedron</i> , 2013 , 69, 10955-10989	2.4	17
44	Determination of pKa values of fluoroalkanesulfonamides and investigation of their nucleophilicity. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 761-766	2.1	17
43	Copper-mediated aerobic iodination and perfluoroalkylation of boronic acids with (CF ₃) ₂ CFI at room temperature. <i>Journal of Fluorine Chemistry</i> , 2016 , 189, 59-67	2.1	17
42	O-Difluoromethylation of 1,3-diones with S-difluoromethyl sulfonium salt. <i>RSC Advances</i> , 2016 , 6, 35705-35708	3.5	16
41	TfOH-Promoted Transition-Metal-Free Cascade Trifluoroethylation/Cyclization of Organic Isothiocyanates by Phenyl(2,2,2-trifluoroethyl)iodonium Triflate. <i>Organic Letters</i> , 2018 , 20, 6480-6484	6.2	16
40	Cu-Mediated Trifluoromethylation of Aromatic Diazo Esters with the Yagupolskii Memoto Reagent. <i>European Journal of Organic Chemistry</i> , 2017 , 2017, 324-331	3.2	15
39	Oxidative trifluoromethylselenolation of 1,3-dicarbonyls with [MeN][SeCF ₃]. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 1769-1779	3.9	14
38	Pd-Catalyzed Mizoroki-Heck Reactions Using Fluorine-Containing Agents as the Cross-Coupling Partners. <i>Catalysts</i> , 2018 , 8, 23	4	14
37	A convenient, transition metal-free synthesis of difluoromethyl selenoethers from organic selenocyanates and TMSCF ₂ H. <i>Tetrahedron</i> , 2018 , 74, 5642-5649	2.4	14
36	Base-Mediated O-Arylation of Alcohols and Phenols by Triarylsulfonium Triflates. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 3370-3379	4.5	13
35	Transition-Metal-Free Selective Synthesis of (Z)-1,2-Diarylthio-1-arylalkenes, (2-Arylethene-1,1,2-triyl)tris(arylsulfane)s and Alkynyl Sulfides from Thiocyanates and Terminal Arylalkynes. <i>ChemistrySelect</i> , 2019 , 4, 311-315	1.8	13
34	A mild hydrodehalogenation of fluoroalkyl halides. <i>Journal of Fluorine Chemistry</i> , 2009 , 130, 671-673	2.1	12
33	Fluorine-Containing Inhalation Anesthetics: Chemistry, Properties and Pharmacology. <i>Current Medicinal Chemistry</i> , 2020 , 27, 5599-5652	4.3	11
32	CaCl ₂ -Promoted Dehydroxytrifluoromethylselenolation of Alcohols with [MeN][SeCF ₃]. <i>Organic Letters</i> , 2020 , 22, 6016-6020	6.2	10
31	Fluoroalkylation of Diazo Compounds with Diverse R Reagents. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1660-1677	4.5	10

30	Perfluoroalkanesulfonylation of Alkynyl(phenyl)iodonium Tosylates by the Weakly Nucleophilic Sodium Perfluoroalkanesulfonates. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 4119-4124	5.6	10
29	Concise and Additive-Free Click Reactions between Amines and CF ₃ SO ₂ CF ₃ . <i>Chemistry - A European Journal</i> , 2019 , 25, 10907-10912	4.8	10
28	Pd/Cu-Catalyzed C-H/C-H Cross Coupling of (Hetero)Arenes with Azoles through Arylsulfonium Intermediates. <i>Organic Letters</i> , 2021 , 23, 4400-4405	6.2	10
27	Progress on Trifluoroethylation Reactions Using Aryl(trifluoroethyl)iodonium Salts. <i>Chinese Journal of Organic Chemistry</i> , 2019 , 39, 84	3	9
26	Tertiary-Amine-Initiated Synthesis of Acyl Fluorides from Carboxylic Acids and CF ₃ SO ₂ OCF ₃ . <i>Chemistry - A European Journal</i> , 2020 , 26, 16261-16265	4.8	9
25	Structure-dependent selective O- or C-trifluoroethylation of 1,3-dicarbonyls by mesityl(2,2,2-trifluoroethyl)iodonium triflate. <i>Journal of Fluorine Chemistry</i> , 2017 , 204, 23-30	2.1	8
24	Cu-Mediated arylselenylation of aryl halides with trifluoromethyl aryl selenonium ylides. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 7468-7473	3.9	8
23	One-pot synthesis of arylfluoroalkylsulfoxides and study of their anomalous ¹⁹ F NMR behavior. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 433-438	2.1	8
22	Solvent-free synthesis of alkyl and fluoroalkyl sulfonium salts from sulfides and fluoroalkyl trifluoromethanesulfonates. <i>Journal of Fluorine Chemistry</i> , 2016 , 192, 131-140	2.1	7
21	Palladium-Catalyzed Trifluoroethylation of Benzo[h]quinoline Derivatives by Mesityl(2,2,2-trifluoroethyl)iodonium Triflate. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 665-670	3	7
20	A facile 2,2,2-trifluoroethyl fatty acid ester synthesis with phenyl(2,2,2-trifluoroethyl)iodonium triflate at room temperature. <i>Green Chemistry Letters and Reviews</i> , 2017 , 10, 162-170	4.7	6
19	Synthesis and Physicochemical Properties of Bis(fluoroalkanesulfon)amide-Based Ionic Liquids. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 3419-3422	2.3	6
18	Markovnikov-Type Hydrotrifluoromethylchalcogenation of Unactivated Terminal Alkenes with [MeN][XCF] (X = S, Se) and TfOH. <i>Molecules</i> , 2020 , 25,	4.8	6
17	Trifluoromethylselenolation and N-acylation of indoles with [MeN][SeCF ₃]. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 5368-5376	3.9	5
16	Metal- and additive-free cascade trifluoroethylation/cyclization of organic isoselenocyanates by phenyl(2,2,2-trifluoroethyl)iodonium triflate. <i>Journal of Fluorine Chemistry</i> , 2019 , 226, 109360	2.1	4
15	New Electrophilic Bromodifluoromethylation and Pentafluoroethylation Reagents. <i>Synlett</i> , 2010 , 2010, 1089-1092	2.2	4
14	Alkylation Reactions with Alkylsulfonium Salts. <i>Synthesis</i> , 54,	2.9	4
13	Synthesis and Biological Evaluation of CF ₃ Se-Substituted β -Amino Acid Derivatives. <i>ChemMedChem</i> , 2021 , 16, 3177-3180	3.7	4

12	A solvent-free facile synthesis of (E)-bis(phosphonium)ethylenes from organo-phosphines and TfOCH ₂ CF ₂ H reagent. <i>Tetrahedron Letters</i> , 2015 , 56, 6219-6222	2	2
11	Synthesis and structure of a bis-trifluoromethylthiolate complex of nickel. <i>Journal of Fluorine Chemistry</i> , 2012 , 140, 112-115	2.1	2
10	An Efficient Method for the Preparation of Pentafluoroiodoethane from Chloropentafluoroethane. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 202-204	4.9	2
9	Reactions of HMPA with hexafluorobenzene, pentafluorochlorobenzene and pentafluorophenol. <i>Journal of Fluorine Chemistry</i> , 2008 , 129, 424-428	2.1	2
8	Additive-Free Visible-Light-Mediated Hydro-/Deuterodediazotiation of Arenediazonium Tetrafluoroborates in THF/THF-d ₈ . <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 2157-2160	3	2
7	Phase and redox shifted four iron/four sulfur clusters: fluorous analogs of metalloenzyme cofactors. <i>Dalton Transactions</i> , 2015 , 44, 19615-24	4.3	1
6	Phenyl(trifluoroethyl)iodonium-triflate-initiated ring-opening polymerization of tetrahydrofuran. <i>Tetrahedron Letters</i> , 2021 , 73, 153146	2	1
5	Facile synthesis of selenocarbonyl fluorides, selenoureas and their derivatives with [Me ₄ N][SeCF ₃]. <i>Organic Chemistry Frontiers</i> ,	5.2	1
4	Pd/Cu-Catalyzed Vinylation of Terminal Alkynes with (2-Bromoethyl)diphenylsulfonium Triflate. <i>Organic Letters</i> , 2021 , 23, 6795-6800	6.2	1
3	Trifluoromethylselenolation reactions using the versatile [Me ₄ N][SeCF ₃] reagent. <i>Tetrahedron</i> , 2021 , 99, 132476	2.4	1
2	Solvent- and Catalyst-Free Direct Aldol Reactions. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 2689-2694	4.9	0
1	Revisiting the Balz-Schiemann Reaction of Aryldiazonium Tetrafluoroborate in Different Solvents under Catalyst- and Additive-Free Conditions. <i>ACS Omega</i> , 2021 , 6, 21595-21603	3.9	0