

Fa-Guang Zhang

List of Publications by Year in descending order

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61
papers

1,817
citations

257450

24
h-index

302126

39
g-index

78
all docs

78
docs citations

78
times ranked

1250
citing authors

#	ARTICLE	IF	CITATIONS
1	Enantioselective Base-Free Electrophilic Amination of Benzofuranones: Catalysis by Binol-Derived Spiro Quaternary Phosphonium Salts. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5869-5872.	13.8	118
2	Regioselective Cycloaddition of Trifluorodiaoethane with Electron-Deficient Allenic Esters and Ketones: Access to CF ₃ -Substituted Pyrazolines and Pyrazoles. <i>Organic Letters</i> , 2014, 16, 3122-3125.	4.6	117
3	Chiral Bifunctional Thiourea-Catalyzed Enantioselective Michael Addition of Ketones to Nitrodienes. <i>Journal of Organic Chemistry</i> , 2010, 75, 1402-1409.	3.2	101
4	Highly enantioselective organocatalytic Strecker reaction of cyclic N-acyl trifluoromethylketimines: synthesis of anti-HIV drug DPC 083. <i>Chemical Communications</i> , 2012, 48, 11552.	4.1	78
5	Triazines: Syntheses and Inverse Electron-demand Diels-Alder Reactions. <i>Chemical Reviews</i> , 2021, 121, 14555-14593.	47.7	67
6	Silver-Catalyzed [3 + 3] Dipolar Cycloaddition of Trifluorodiaoethane and Glycine Imines: Access to Highly Functionalized Trifluoromethyl-Substituted Triazines and Pyridines. <i>ACS Catalysis</i> , 2019, 9, 4600-4608.	11.2	65
7	Catalytic Enantioselective Synthesis of Difluoromethylated Tetrasubstituted Stereocenters in Isoindolones Enabled by a Multiple-Fluorine System. <i>Organic Letters</i> , 2020, 22, 9010-9015.	4.6	55
8	Brook Rearrangement as Trigger for Carbene Generation: Synthesis of Stereodefined and Fully Substituted Cyclobutenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 8364-8370.	13.7	53
9	Direct Regioselective [3 + 2] Cycloaddition Reactions of Masked Difluorodiaoethane with Electron-Deficient Alkynes and Alkenes: Synthesis of Difluoromethyl-Substituted Pyrazoles. <i>Organic Letters</i> , 2018, 20, 4562-4565.	4.6	50
10	Zinc-mediated enantioselective addition of terminal 1,3-diyne to N-arylimines of trifluoropyruvates. <i>Tetrahedron</i> , 2012, 68, 7663-7669.	1.9	47
11	Catalytic Enantioselective Cyclopropanation of Internal Alkynes: Access to Difluoromethylated Three-Membered Carbocycles. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18191-18196.	13.8	47
12	Aryl Diazonium Salt-Triggered Cyclization and Cycloaddition Reactions: Past, Present, and Future. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1132-1152.	4.9	47
13	Brook Rearrangement as a Trigger for the Ring Opening of Strained Carbocycles. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 714-718.	13.8	46
14	Enantioselective Diynylation of Cyclic N-Acyl Ketimines: Access to Chiral Trifluoromethylated Tertiary Carbinamines. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1422-1428.	4.3	45
15	Construction of Difluoromethylated Tetrazoles via Silver-Catalyzed Regioselective [3 + 2] Cycloadditions of Aryl Diazonium Salts. <i>Organic Letters</i> , 2019, 21, 4808-4811.	4.6	42
16	One-Pot Cascade Transformations of Zinc Trifluorodiaoethylide and α,β -Unsaturated Enones: Access to Trifluoromethylated Polycyclic Pyrazolines. <i>Organic Letters</i> , 2017, 19, 3406-3409.	4.6	39
17	Cu-Catalyzed Three-Component Reaction of Aryldiazonium Salts with Fluorinated Diazo Reagents and Nitriles: Access to Difluoro- and Trifluoromethylated N ¹ -Aryl-1,2,4-triazoles. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4432-4437.	4.3	38
18	Remote Fluorination and Fluoroalkyl(thiol)ation Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 15378-15396.	3.3	38

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19	Recent Advances in the Synthesis of CF ₃ -Substituted Triazoles and Tetrazoles. Chinese Journal of Organic Chemistry, 2019, 39, 109.	1.3	37
20	Chiral <i>N</i> -Fluorodibenzenesulfonimide Analogues for Enantioselective Electrophilic Fluorination and Oxidative Fluorination. European Journal of Organic Chemistry, 2013, 2013, 6501-6505.	2.4	34
21	Chiral bifunctional thiourea-catalyzed enantioselective aldol reaction of trifluoroacetaldehyde hemiacetal with aromatic ketones. Journal of Fluorine Chemistry, 2011, 132, 468-473.	1.7	30
22	Catalytic Direct Regioselective Synthesis of Phosphonylated Tetrazoles from Aryl Diazonium Salts and Seyferth-Gilbert Reagent. Organic Letters, 2019, 21, 9884-9888.	4.6	28
23	Chemodivergent and Stereoselective Construction of <i>gem</i> -Difluoroallylic Amines from Masked Difluorodiazole Reagents. Organic Letters, 2019, 21, 8244-8249.	4.6	27
24	Silver-Promoted Direct Phosphorylation of Bulky C(sp ²)-H Bond to Build Fully Substituted β -Phosphonodehydroamino Acids. Organic Letters, 2020, 22, 6414-6419.	4.6	27
25	Zinc-Mediated Mannich-Type Reaction of 2,2,2-Trifluorodiazole with Imines: Access to β -CF ₃ -Amines. Organic Letters, 2018, 20, 6994-6997.	4.6	25
26	Zinc-Enabled Annulation of Trifluorodiazole with 2 <i>H</i> -Azirines to Construct Trifluoromethyl Pyrazolines, Pyrazoles, and Pyridazines. Organic Letters, 2021, 23, 6062-6066.	4.6	25
27	Regioselective Decarboxylative Cycloaddition Route to Fully Substituted β -CF ₃ -Pyrazoles from Nitrilimines and Isoxazolidinediones. Advanced Synthesis and Catalysis, 2021, 363, 2093-2097.	4.3	24
28	Dual Incorporation of Trifluoromethyl and Cyano Groups into Pyrazole Pharmacophores via Silver-Catalyzed Cycloaddition Reaction of Trifluorodiazole. CCS Chemistry, 2022, 4, 3693-3704.	7.8	22
29	General Synthesis of Tri-Carbo-Substituted <i>N</i> (sp ²)-Aryl-1,2,3-triazoles <i>via</i> Cu-Catalyzed Annulation of Azirines with Aryldiazonium Salts. Journal of Organic Chemistry, 2020, 85, 10872-10883.	3.2	21
30	Catalytic enantioselective addition of terminal 1,3-diynes to aromatic ketones: facile access to chiral nonracemic tertiary alcohols. Chemical Communications, 2011, 47, 12873.	4.1	20
31	Pd(II)-Catalyzed Phosphorylation of Enamido C(sp ²)-H Bonds: A General Route to β -Amido-vinylphosphonates. Chinese Journal of Chemistry, 2018, 36, 809-814.	4.9	20
32	Construction of Chiral β -Trifluoromethyl Alcohols Enabled by Catalytic Enantioselective Aldol-Type Reaction of CF ₃ CHN ₂ . Organic Letters, 2019, 21, 4280-4283.	4.6	20
33	Regioselective synthesis of carboxylic and fluoromethyl tetrazoles enabled by silver-catalyzed cycloaddition of diazoacetates and aryl diazonium salts. Tetrahedron, 2020, 76, 131063.	1.9	20
34	Asymmetric Synthesis of Chiral Amino Carboxylic-Phosphonic Acid Derivatives. Advanced Synthesis and Catalysis, 2021, 363, 688-729.	4.3	20
35	Diastereoselective ring opening of fully-substituted cyclopropanes <i>via</i> intramolecular Friedel-Crafts alkylation. Chemical Science, 2019, 10, 9548-9554.	7.4	19
36	Asymmetric synthesis of CF ₂ -functionalized aziridines by combined strong Brønsted acid catalysis. Beilstein Journal of Organic Chemistry, 2020, 16, 638-644.	2.2	18

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37	Quadruple Functionalized Pyrazole Pharmacophores by One-pot Regioselective [3+2] Cycloaddition of Fluorinated Nitrile Imines and Dicyanoalkenes. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	18
38	Telescoping Reactions with Trifluorodiazaoethane-derived Aza-Wittig Reagents and Allenyl esters. <i>Chemistry - A European Journal</i> , 2018, 24, 7749-7754.	3.3	17
39	Potassium Acetate-Catalyzed Double Decarboxylative Transannulation To Access Highly Functionalized Pyrroles. <i>Organic Letters</i> , 2020, 22, 9585-9590.	4.6	16
40	Catalytic Direct Construction of Cyano-tetrazoles. <i>Organic Letters</i> , 2020, 22, 7762-7767.	4.6	15
41	Phosphine-Relayed Aldehyde-Olefin and Aza-Wittig Reaction with 2,2,2-Trifluorodiazaoethane. <i>Chinese Journal of Chemistry</i> , 2018, 36, 723-730.	4.9	14
42	Direct Enamido C(sp ²)-H Diphosphorylation Enabled by a PCET-Triggered Double Radical Relay: Access to gem-Bisphosphonates. <i>Chemistry - A European Journal</i> , 2020, 26, 5515-5521.	3.3	14
43	Development of Cyanopyrazoles as Building Blocks to Fungicide Fluxapyroxad and Analogues. <i>Journal of Organic Chemistry</i> , 2019, 84, 7148-7158.	3.2	12
44	Versatility in the Brook Rearrangement for the Selective Ring-Opening of Three-Membered Rings. <i>Chemistry - A European Journal</i> , 2019, 25, 205-209.	3.3	12
45	Silver-Catalyzed [3+2] Cycloaddition Approach to Coumarin-Decorated Tetrazoles. <i>ChemCatChem</i> , 2020, 12, 5623-5626.	3.7	12
46	Facile construction of trifluoromethyl-azirines via one-pot metal-free Neber reaction. <i>Tetrahedron</i> , 2018, 74, 3791-3796.	1.9	11
47	Catalytic Asymmetric Access to Noncanonical Chiral α -Amino Acids from Cyclic Iminoglyoxylates and Enamides. <i>Journal of Organic Chemistry</i> , 2020, 85, 5580-5589.	3.2	11
48	Metal-free regioselective construction of 2-aryl-2H-tetrazol-5-yl difluoromethylene phosphonates. <i>Chinese Chemical Letters</i> , 2022, 33, 863-866.	9.0	11
49	Catalytic Enantioselective Cyclopropanation of Internal Alkynes: Access to Difluoromethylated Three-Membered Carbocycles. <i>Angewandte Chemie</i> , 2019, 131, 18359-18364.	2.0	10
50	Metal-free Decarboxylative Annulation of 2-Aryl-2-isocyanoacetates with Aryldiazonium Salts: General Access to 1,3-Diaryl-1,2,4-Triazoles. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 227-233.	4.3	10
51	Regioselective [3 + 2] Cycloaddition Reaction of 3-Alkynoates with Seyferth-Gilbert Reagent. <i>Journal of Organic Chemistry</i> , 2021, 86, 3574-3582.	3.2	10
52	Et ₃ N-catalyzed direct cycloaddition reaction of allenates with acceptor diazo compounds. <i>Tetrahedron</i> , 2021, 81, 131922.	1.9	10
53	Zinc-mediated enantioselective addition of terminal 3-en-1-yne to cyclic trifluoromethyl ketimines. <i>Journal of Fluorine Chemistry</i> , 2018, 208, 1-9.	1.7	9
54	Formation of Carbon Quaternary Stereogenic Center in Acyclic Systems via a Sequence of Carbometalation-Intramolecular Cyclization-Silicon Activation. <i>Synthesis</i> , 2016, 48, 3279-3286.	2.3	8

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55	<i>N</i> -Iodosuccinimide-Promoted [3 + 2] Annulation Reaction of Aryldiazonium Salts with Guanidines To Construct Aminotetrazoles. <i>Organic Letters</i> , 2021, 23, 8894-8898.	4.6	7
56	One-Pot Sequential Multistep Transformation of α,β -Unsaturated Trifluoromethyl Ketones: Facile Synthesis of Trifluoromethylated 2-Pyridones. <i>Synlett</i> , 2019, 30, 605-609.	1.8	6
57	Construction of pyrrole- and indole-fused CF ₃ -piperazine derivatives. <i>Journal of Fluorine Chemistry</i> , 2019, 226, 109361.	1.7	3
58	Catalytic regioselective construction of phenylthio- and phenoxydifluoroalkyl tetrazoles from difluorodiazoketones. <i>Chemical Communications</i> , 2021, 57, 13744-13747.	4.1	3
59	Enantioselective Construction of Amino Carboxylicâ€Phosphonic Acid Derivatives Enabled by Chiral Amino Thioureaâ€Catalyzed Decarboxylative Mannich Reaction. <i>Advanced Synthesis and Catalysis</i> , 0, , .	4.3	2
60	<i>Abstract</i> : Catalytic Enantioselective Cyclopropanation of Internal Alkynes: Access to Difluoromethylated Threeâ€Membered Carbocycles (<i>Angew. Chem.</i> 50/2019). <i>Angewandte Chemie</i> , 2019, 131, 18464-18464.	2.0	0
61	Regioselective Construction of Coumarin-1,2,4-Triazines via a Cs ₂ CO ₃ -Catalyzed [3 + 3] Cycloaddition Reaction. <i>Synlett</i> , 0, , .	1.8	0