

Fa-Guang Zhang

List of Publications by Year in descending order

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papers

1,817
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257450

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1250
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Metal-free regioselective construction of 2-aryl-2H-tetrazol-5-yl difluoromethylene phosphonates. Chinese Chemical Letters, 2022, 33, 863-866. | 9.0 | 11 |
| 2 | Dual Incorporation of Trifluoromethyl and Cyano Groups into Pyrazole Pharmacophores via Silver-Catalyzed Cycloaddition Reaction of Trifluorodiazooethane. CCS Chemistry, 2022, 4, 3693-3704. | 7.8 | 22 |
| 3 | Quadruple Functionalized Pyrazole Pharmacophores by One-pot Regioselective [3+2] Cycloaddition of Fluorinated Nitrile Imines and Dicyanoalkenes. Chemistry - an Asian Journal, 2022, 17, . | 3.3 | 18 |
| 4 | Asymmetric Synthesis of Chiral Amino Carboxylicâ€Phosphonic Acid Derivatives. Advanced Synthesis and Catalysis, 2021, 363, 688-729. | 4.3 | 20 |
| 5 | Metal-free Decarboxylative Annulation of 2â€Arylâ€2â€isocyanoâ€acetates with Aryldiazonium Salts: General Access to 1,3â€Diarylâ€1,2,4â€triazoles. Advanced Synthesis and Catalysis, 2021, 363, 227-233. | 4.3 | 10 |
| 6 | Regioselective [3 + 2] Cycloaddition Reaction of 3-Alkynoates with Seyferthâ€Gilbert Reagent. Journal of Organic Chemistry, 2021, 86, 3574-3582. | 3.2 | 10 |
| 7 | Et ₃ N-catalyzed direct cycloaddition reaction of allenates with acceptor diazo compounds. Tetrahedron, 2021, 81, 131922. | 1.9 | 10 |
| 8 | Regioselective Decarboxylative Cycloaddition Route to Fully Substituted 3â€CF ₃ â€Pyrazoles from Nitrilimines and Isoxazolidinediones. Advanced Synthesis and Catalysis, 2021, 363, 2093-2097. | 4.3 | 24 |
| 9 | Zinc-Enabled Annulation of Trifluorodiazooethane with 2<i>H</i>-Azirines to Construct Trifluoromethyl Pyrazolines, Pyrazoles, and Pyridazines. Organic Letters, 2021, 23, 6062-6066. | 4.6 | 25 |
| 10 | Triazines: Syntheses and Inverse Electron-demand Dielsâ€Alder Reactions. Chemical Reviews, 2021, 121, 14555-14593. | 47.7 | 67 |
| 11 | <i>N</i>-Iodosuccinimide-Promoted [3 + 2] Annulation Reaction of Aryldiazonium Salts with Guanidines To Construct Aminotriazoles. Organic Letters, 2021, 23, 8894-8898. | 4.6 | 7 |
| 12 | Catalytic regioselective construction of phenylthio- and phenoxydifluoroalkyl tetrazoles from difluorodiazoketones. Chemical Communications, 2021, 57, 13744-13747. | 4.1 | 3 |
| 13 | Potassium Acetate-Catalyzed Double Decarboxylative Transannulation To Access Highly Functionalized Pyrroles. Organic Letters, 2020, 22, 9585-9590. | 4.6 | 16 |
| 14 | Cu-catalyzed Three-component Reaction of Aryldiazonium Salts with Fluorinated Diazo Reagents and Nitriles: Access to Difluoro- and Trifluoromethylated <i>N</i>-1¹-2,4-triazoles. Advanced Synthesis and Catalysis, 2020, 362, 4432-4437. | 4.3 | 38 |
| 15 | Silver-catalyzed [3+2] Cycloaddition Approach to Coumarin-decorated Tetrazoles. ChemCatChem, 2020, 12, 5623-5626. | 3.7 | 12 |
| 16 | Remote Fluorination and Fluoroalkyl(thiol)ation Reactions. Chemistry - A European Journal, 2020, 26, 15378-15396. | 3.3 | 38 |
| 17 | General Synthesis of Tri-Carbo-Substituted <i>N</i>-2²-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 |
| 18 | Silver-Promoted Direct Phosphorylation of Bulky C(sp ²)â€H Bond to Build Fully Substituted Î ² -Phosphonodehydroamino Acids. Organic Letters, 2020, 22, 6414-6419. | 4.6 | 27 |

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|----|--|------|-----------|
| 19 | Catalytic Direct Construction of Cyano-tetrazoles. <i>Organic Letters</i> , 2020, 22, 7762-7767. | 4.6 | 15 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | Regioselective synthesis of carboxylic and fluoromethyl tetrazoles enabled by silver-catalyzed cycloaddition of diazoacetates and aryl diazonium salts. <i>Tetrahedron</i> , 2020, 76, 131063. | 1.9 | 20 |
| 25 | Asymmetric synthesis of CF ₂ -functionalized aziridines by combined strong Brønsted acid catalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 638-644. | 2.2 | 18 |
| 26 | Construction of pyrrole- and indole-fused CF ₃ -piperazine derivatives. <i>Journal of Fluorine Chemistry</i> , 2019, 226, 109361. | 1.7 | 3 |
| 27 | Catalytic Enantioselective Cyclopropanation of Internal Alkynes: Access to Difluoromethylated Three-Membered Carbocycles. <i>Angewandte Chemie</i> , 2019, 131, 18359-18364. | 2.0 | 10 |
| 28 | 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 |
| 29 | Diastereoselective ring opening of fully-substituted cyclopropanes via intramolecular Friedel-Crafts alkylation. <i>Chemical Science</i> , 2019, 10, 9548-9554. | 7.4 | 19 |
| 30 | Chemodivergent and Stereoselective Construction of gem-Difluoroallylic Amines from Masked Difluorodiazo Reagents. <i>Organic Letters</i> , 2019, 21, 8244-8249. | 4.6 | 27 |
| 31 | 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 |
| 32 | Construction of Chiral β -Trifluoromethyl Alcohols Enabled by Catalytic Enantioselective Aldol-Type Reaction of CF ₃ CHN ₂ . <i>Organic Letters</i> , 2019, 21, 4280-4283. | 4.6 | 20 |
| 33 | 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 |
| 34 | Development of Cyanopyrazoles as Building Blocks to Fungicide Fluxapyroxad and Analogues. <i>Journal of Organic Chemistry</i> , 2019, 84, 7148-7158. | 3.2 | 12 |
| 35 | Silver-Catalyzed [3 + 3] Dipolar Cycloaddition of Trifluorodiazoethane and Glycine Imines: Access to Highly Functionalized Trifluoromethyl-Substituted Triazines and Pyridines. <i>ACS Catalysis</i> , 2019, 9, 4600-4608. | 11.2 | 65 |
| 36 | Regioselective synthesis of carboxylic and fluoromethyl tetrazoles enabled by silver-catalyzed cycloaddition of diazoacetates and aryl diazonium salts. <i>Angewandte Chemie</i> , 2019, 131, 18464-18464. | 2.0 | 0 |

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|----|--|------|-----------|
| 37 | Catalytic Direct Regioselective Synthesis of Phosphonylated Tetrazoles from Aryl Diazonium Salts and Seyferth-Gilbert Reagent. <i>Organic Letters</i> , 2019, 21, 9884-9888. | 4.6 | 28 |
| 38 | 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 |
| 39 | Recent Advances in the Synthesis of CF ₃ -Substituted Triazoles and Tetrazoles. <i>Chinese Journal of Organic Chemistry</i> , 2019, 39, 109. | 1.3 | 37 |
| 40 | 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 |
| 41 | Telescoping Reactions with Trifluorodiazaoethane-Derived Aza-Wittig Reagents and Allenyl esters. <i>Chemistry - A European Journal</i> , 2018, 24, 7749-7754. | 3.3 | 17 |
| 42 | Zinc-Mediated Mannich-Type Reaction of 2,2,2-Trifluorodiazaoethane with Imines: Access to β -CF ₃ -Amines. <i>Organic Letters</i> , 2018, 20, 6994-6997. | 4.6 | 25 |
| 43 | Facile construction of trifluoromethyl-azirines via one-pot metal-free Neber reaction. <i>Tetrahedron</i> , 2018, 74, 3791-3796. | 1.9 | 11 |
| 44 | 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 |
| 45 | Direct Regioselective [3 + 2] Cycloaddition Reactions of Masked Difluorodiazaoethane with Electron-Deficient Alkynes and Alkenes: Synthesis of Difluoromethyl-Substituted Pyrazoles. <i>Organic Letters</i> , 2018, 20, 4562-4565. | 4.6 | 50 |
| 46 | Pd(II)-Catalyzed Phosphorylation of Enamido C(sp ²)-H Bonds: A General Route to β -Amido-vinylphosphonates. <i>Chinese Journal of Chemistry</i> , 2018, 36, 809-814. | 4.9 | 20 |
| 47 | 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 |
| 48 | One-Pot Cascade Transformations of Zinc Trifluorodiazaoethylide and α,β -Unsaturated Enones: Access to Trifluoromethylated Polycyclic Pyrazolines. <i>Organic Letters</i> , 2017, 19, 3406-3409. | 4.6 | 39 |
| 49 | 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 |
| 50 | 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 |
| 51 | Regioselective Cycloaddition of Trifluorodiazaoethane 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 |
| 52 | Chiral N-Fluorodibenzene-sulfonimide Analogues for Enantioselective Electrophilic Fluorination and Oxidative Fluorination. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 6501-6505. | 2.4 | 34 |
| 53 | Zinc-mediated enantioselective addition of terminal 1,3-diyne to N-arylimines of trifluoropyruvates. <i>Tetrahedron</i> , 2012, 68, 7663-7669. | 1.9 | 47 |
| 54 | 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 |

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| 55 | Enantioselective Diynylation of Cyclic <i>N</i> -Acyl Ketimines: Access to Chiral Trifluoromethylated Tertiary Carbinamines. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1422-1428. | 4.3 | 45 |
| 56 | Catalytic enantioselective addition of terminal 1,3-diynes to aromatic ketones: facile access to chiral nonracemic tertiary alcohols. <i>Chemical Communications</i> , 2011, 47, 12873. | 4.1 | 20 |
| 57 | Enantioselective Base-Free Electrophilic Amination of Benzofuran-2(3 <i>H</i>)-ones: Catalysis by Binol-Derived <i>P</i> -Spiro Quaternary Phosphonium Salts. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5869-5872. | 13.8 | 118 |
| 58 | Chiral bifunctional thiourea-catalyzed enantioselective aldol reaction of trifluoroacetaldehyde hemiacetal with aromatic ketones. <i>Journal of Fluorine Chemistry</i> , 2011, 132, 468-473. | 1.7 | 30 |
| 59 | Chiral Bifunctional Thiourea-Catalyzed Enantioselective Michael Addition of Ketones to Nitrodienes. <i>Journal of Organic Chemistry</i> , 2010, 75, 1402-1409. | 3.2 | 101 |
| 60 | 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 |
| 61 | Enantioselective Construction of Amino Carboxylic-Phosphonic Acid Derivatives Enabled by Chiral Amino Thiourea-Catalyzed Decarboxylative Mannich Reaction. <i>Advanced Synthesis and Catalysis</i> , 0, , . | 4.3 | 2 |