Jun-An

List of Publications by Year
in descending order

44 papers	1,481 citations	257450 24 h-index	330143 37 g-index
44 all docs	44 docs citations	44 times ranked	1279 citing authors

#	Article	IF	Citations
1	Catalytic alkylation of unactivated C(sp³)â€“H bonds for C(sp³)â€“C(sp³) bond formation. Chemical Society Reviews, 2019, 48, 4921-4942.	38.1	196
2	Manganese-Mediated Reductive Transamidation of Tertiary Amides with Nitroarenes. Journal of the American Chemical Society, 2018, 140, 6789-6792.	13.7	111
3	Catalytic Asymmetric Mukaiyamaâ€“Mannich Reaction of Cyclic C-Acylimines with Difluoroenoxysilanes: Access to Difluoroalkylated Indolin-3-ones. Organic Letters, 2017, 19, 6364-6367.	4.6	84
4	Triazines: Syntheses and Inverse Electron-demand Dielsâ€“Alder Reactions. Chemical Reviews, 2021, 121, 14555-14593.	47.7	67
5	Silver-Catalyzed [3 + 3] Dipolar Cycloaddition of Trifluorodiazoethane and Glycine Imines: Access to Highly Functionalized Trifluoromethyl-Substituted Triazines and Pyridines. ACS Catalysis, 2019, 9, 4600-4608.	11.2	65
6	Chiral phosphoric acid-catalyzed direct asymmetric mannich reaction of cyclicC-acylimines with simple ketones: facile access to C2-quaternary indolin-3-ones. Chemical Communications, 2018, 54, 9151-9154.	4.1	53
7	Organocatalytic Asymmetric Decarboxylative Mannich Reaction of Î²-Keto Acids with Cyclic Î±-Ketiminophosphonates: Access to Quaternary Î±-Aminophosphonates. Organic Letters, 2018, 20, 3643-3646.	4.6	52
8	Direct Regioselective [3 + 2] Cycloaddition Reactions of Masked Difluorodiazoethane with Electron-Deficient Alkynes and Alkenes: Synthesis of Difluoromethyl-Substituted Pyrazoles. Organic Letters, 2018, 20, 4562-4565.	4.6	50
9	Transition-Metal-Free [3 + 2] Cycloaddition of Nitroolefins and Diazoacetonitrile: A Facile Access to Multisubstituted Cyanopyrazoles. Organic Letters, 2018, 20, 2120-2124.	4.6	44
10	Construction of Difluoromethylated Tetrazoles via Silver-Catalyzed Regioselective [3 + 2] Cycloadditions of Aryl Diazonium Salts. Organic Letters, 2019, 21, 4808-4811.	4.6	42
11	One-Pot Cascade Transformations of Zinc Trifluorodiazoethylide and Î±,Î²-Unsaturated Enones: Access to Trifluoromethylated Polycyclic Pyrazolines. Organic Letters, 2017, 19, 3406-3409.	4.6	39
12	Nucleophilic Trifluoromethylthiolation of Cyclic Sulfamidates: Access to Chiral Î²- and Î³-SCF₃ Amines and Î±-Amino Esters. Organic Letters, 2017, 19, 1974-1977.	4.6	39
13	Manganese-mediated reductive amidation of esters with nitroarenes. Organic Chemistry Frontiers, 2019, 6, 756-761.	4.5	37
14	C₂-Symmetric Chiral Bisoxazolines as Hydrogen-Bond-Acceptor Catalysts in Enantioselective Aldol Reaction of Î²-Carbonyl Acids with Trifluoroacetaldehyde Hemiacetals. Organic Letters, 2016, 18, 6364-6367.	4.6	32
15	Organocatalytic Asymmetric Decarboxylative Amination of Î²-Keto Acids: Access to Optically Active Î±-Amino Ketones and 1,2-Amino Alcohols. Organic Letters, 2017, 19, 2162-2165.	4.6	32
16	Direct Amidation of Carboxylic Acids with Nitroarenes. Journal of Organic Chemistry, 2019, 84, 13922-13934.	3.2	32
17	Design, Synthesis, and Evaluation of Reversible and Irreversible Monoacylglycerol Lipase Positron Emission Tomography (PET) Tracers Using a â€œTail Switchingâ€•Strategy on a Piperazinyl Azetidine Skeleton. Journal of Medicinal Chemistry, 2019, 62, 3336-3353.	6.4	28
18	Catalytic Direct Regioselective Synthesis of Phosphonylated Tetrazoles from Aryl Diazonium Salts and Seyferth-Gilbert Reagent. Organic Letters, 2019, 21, 9884-9888.	4.6	28

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19	Chemodivergent and Stereoselective Construction of gem-Difluoroallylic Amines from Masked Difluorodiazo Reagents. Organic Letters, 2019, 21, 8244-8249.	4.6	27
20	Silver-Promoted Direct Phosphorylation of Bulky C(sp²)â€“H Bond to Build Fully Substituted Î²-Phosphonodehydroamino Acids. Organic Letters, 2020, 22, 6414-6419.	4.6	27
21	Computational Insights into the Catalytic Mechanism of Bacterial Carboxylic Acid Reductase. Journal of Chemical Information and Modeling, 2019, 59, 832-841.	5.4	26
22	Zinc-Mediated Mannich-Type Reaction of 2,2,2-Trifluorodiazoethane with Imines: Access to Î²-CF₃-Amines. Organic Letters, 2018, 20, 6994-6997.	4.6	25
23	Zinc-Enabled Annulation of Trifluorodiazoethane with 2H-Azirines to Construct Trifluoromethyl Pyrazolines, Pyrazoles, and Pyridazines. Organic Letters, 2021, 23, 6062-6066.	4.6	25
24	Cu-Mediated Expeditious Annulation of Alkyl 3-Aminoacrylates with Aryldiazonium Salts: Access to Alkyl N²-Aryl 1,2,3-Triazole-carboxylates for Druglike Molecular Synthesis. Organic Letters, 2020, 22, 1396-1401.	4.6	25
25	Design, Synthesis, and Evaluation of ¹⁸F-Labeled Monoacylglycerol Lipase Inhibitors as Novel Positron Emission Tomography Probes. Journal of Medicinal Chemistry, 2019, 62, 8866-8872.	6.4	22
26	Chiral Î²-Keto Propargylamine Synthesis via Enantioselective Mannich Reaction of Enamides with C-Alkynyl N-Boc N,O-Acetals. Organic Letters, 2019, 21, 8419-8423.	4.6	22
27	Direct N-formylation of nitroarenes with CO₂. Chemical Communications, 2020, 56, 9620-9623.	4.1	21
28	General Synthesis of Tri-Carbo-Substituted N²-Aryl-1,2,3-triazoles via Cu-Catalyzed Annulation of Azirines with Aryldiazonium Salts. Journal of Organic Chemistry, 2020, 85, 10872-10883.	3.2	21
29	Data mining of amine dehydrogenases for the synthesis of enantiopure amino alcohols. Catalysis Science and Technology, 2020, 10, 5945-5952.	4.1	21
30	Construction of Chiral Î²-Trifluoromethyl Alcohols Enabled by Catalytic Enantioselective Aldol-Type Reaction of CF₃CHN₂. Organic Letters, 2019, 21, 4280-4283.	4.6	20
31	Radical 1,5-Chloropentafluorosulfanylation of Unactivated Vinylcyclopropanes and Transformation into Î±-SF₅ Ketones. Journal of Organic Chemistry, 2021, 86, 13808-13816.	3.2	18
32	Quadruple Functionalized Pyrazole Pharmacophores by Oneâ€pot Regioselective [3+2] Cycloaddition of Fluorinated Nitrile Imines and Dicyanoalkenes. Chemistry - an Asian Journal, 2022, 17, .	3.3	18
33	Telescoping Reactions with Trifluorodiazoethaneâ€Derived Azaâ€Wittig Reagents and Allenyl esters. Chemistry - A European Journal, 2018, 24, 7749-7754.	3.3	17
34	Catalytic Direct Construction of Cyano-tetrazoles. Organic Letters, 2020, 22, 7762-7767.	4.6	15
35	Organocatalytic asymmetric synthesis of Î²,Î²-diaryl ketones via one-pot tandem dehydration/1,6-addition/decarboxylation transformation of Î²-keto acids and 4-hydroxybenzyl alcohols. Chemical Communications, 2020, 56, 8687-8690.	4.1	15
36	Direct Enamido C(sp2)â^'H Diphosphorylation Enabled by a PCETâ€Triggered Double Radical Relay: Access togemâ€Bisphosphonates. Chemistry - A European Journal, 2020, 26, 5515-5521.	3.3	14

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37	Development of Cyanopyrazoles as Building Blocks to Fungicide Fluxapyroxad and Analogues. Journal of Organic Chemistry, 2019, 84, 7148-7158.	3.2	12
38	Silverâ€Catalyzed [3+2] Cycloaddition Approach to Coumarinâ€Decorated Tetrazoles. ChemCatChem, 2020, 12, 5623-5626.	3.7	12
39	Catalytic Asymmetric Access to Noncanonical Chiral Î±-Amino Acids from Cyclic Iminoglyoxylates and Enamides. Journal of Organic Chemistry, 2020, 85, 5580-5589.	3.2	11
40	Regioselective [3 + 2] Cycloaddition Reaction of 3-Alkynoates with Seyferthâ€“Gilbert Reagent. Journal of Organic Chemistry, 2021, 86, 3574-3582.	3.2	10
41	Et3N-catalyzed direct cycloaddition reaction of allenoates with acceptor diazo compounds. Tetrahedron, 2021, 81, 131922.	1.9	10
42	N-Iodosuccinimide-Promoted [3 + 2] Annulation Reaction of Aryldiazonium Salts with Guanidines To Construct Aminotetrazoles. Organic Letters, 2021, 23, 8894-8898.	4.6	7
43	High-Throughput Fluorescence Assay for Ketone Detection and Its Applications in Enzyme Mining and Protein Engineering. ACS Omega, 2020, 5, 13588-13594.	3.5	6
44	Catalytic regioselective construction of phenylthio- and phenoxyldifluoroalkyl tetrazoles from difluorodiazoketones. Chemical Communications, 2021, 57, 13744-13747.	4.1	3