

Gangguo Zhu

List of Publications by Year in descending order

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2,096
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186265
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Palladium-Catalyzed Remote Aryldifluoroalkylation of Alkenyl Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1898-1902.	13.8	77
2	An unprecedented Pd-catalyzed trans-addition of boronic acids to ynamides. <i>Chemical Communications</i> , 2014, 50, 2347-2349.	4.1	72
3	Highly stereoselective synthesis of (Z)-1,2-dihaloalkenes by a Pd-catalyzed hydrohalogenation of alkynyl halides. <i>Chemical Communications</i> , 2012, 48, 5796.	4.1	69
4	Copper-catalyzed cascade annulation of unsaturated α -bromocarbonyls with enynals: a facile access to ketones from aldehydes. <i>Chemical Science</i> , 2016, 7, 4134-4139.	7.4	64
5	Intermolecular Oxidative Radical Addition to Aromatic Aldehydes: Direct Access to 1,4- and 1,5-Diketones via Silver-Catalyzed Ring-Opening Acylation of Cyclopropanols and Cyclobutanols. <i>Journal of Organic Chemistry</i> , 2018, 83, 5665-5673.	3.2	63
6	Recent advances in difunctionalization of alkenes using pyridinium salts as radical precursors. <i>Chemical Communications</i> , 2022, 58, 3847-3864.	4.1	62
7	Palladium-Catalyzed Site-Selective $\text{sp}^3\text{-C-H}$ Bond Thiocyanation of 2-Aminofurans. <i>Journal of Organic Chemistry</i> , 2018, 83, 716-722.	3.2	60
8	Synthesis of Difluoromethylated and Phosphorated Spiro[5.5]trienones via Dearomative Spirocyclization of Biaryl Ynones. <i>Organic Letters</i> , 2018, 20, 2988-2992.	4.6	60
9	Electrooxidative dearomatization of biaryls: synthesis of tri- and difluoromethylated spiro[5.5]trienones. <i>Chemical Science</i> , 2021, 12, 10092-10096.	7.4	60
10	Copper-Catalyzed <i>trans</i> -Carbohalogenation of Terminal Alkynes with Functionalized Tertiary Alkyl Halides. <i>Organic Letters</i> , 2015, 17, 1617-1620.	4.6	57
11	Synthesis of (<i>Z</i>)-1-Thio- and (<i>Z</i>)-2-Thio-1-alkenyl Boronates via Copper-Catalyzed Regiodivergent Hydroboration of Thioacetylenes: An Experimental and Theoretical Study. <i>Journal of Organic Chemistry</i> , 2014, 79, 1786-1795.	3.2	55
12	Synthesis of Trifluoromethylated Naphthoquinones via Copper-Catalyzed Cascade Trifluoromethylation/Cyclization of 2-(3-Arylpropionyl)benzaldehydes. <i>Organic Letters</i> , 2017, 19, 1302-1305.	4.6	54
13	Visible-light induced three-component alkynyl-difluoroalkylation of unactivated alkenes. <i>Chemical Communications</i> , 2018, 54, 7924-7927.	4.1	54
14	Visible-Light-Induced Tandem Radical Addition-Cyclization of Alkenyl Aldehydes Leading to Indanones and Related Compounds. <i>Organic Letters</i> , 2017, 19, 2929-2932.	4.6	52
15	Visible light photocatalytic acyldifluoroalkylation of unactivated alkenes for the direct synthesis of <i>gem</i> -difluorinated ketones. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1022-1026.	4.5	50
16	Copper-Catalyzed Trifluoromethylation of Alkenes with Redox-Neutral Remote Amidation of Aldehydes. <i>Organic Letters</i> , 2016, 18, 2852-2855.	4.6	49
17	Highly mono-selective <i>ortho</i> -methylthiolation of benzamides <i>via</i> cobalt-catalyzed $\text{sp}^2\text{-C-H}$ activation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 216-221.	4.5	49
18	Cobalt-promoted selective arylation of benzamides and acrylamides with arylboronic acids. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11070-11075.	2.8	48

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19	Palladium-Catalyzed Cycloisomerization and Aerobic Oxidative Cycloisomerization of Homoallenyl Amides: A Facile and Divergent Approach to 2-Aminofurans. <i>Organic Letters</i> , 2015, 17, 1581-1584.	4.6	46
20	Copper-catalyzed acyltrifluoromethylation of alkenes: rapid access to trifluoroethyl indanones and related compounds. <i>Chemical Communications</i> , 2017, 53, 6440-6443.	4.1	45
21	Synthesis of 1-naphthols <i>via</i> Cp*Co(<i>scp</i>)-catalyzed C-H activation and cyclization of sulfoxonium ylides with alkynes. <i>Organic Chemistry Frontiers</i> , 2019, 6, 3868-3873.	4.5	41
22	HOTf-Catalyzed, Solvent-Free Oxyarylation of Ynol Ethers and Thioethers. <i>Journal of Organic Chemistry</i> , 2016, 81, 4861-4868.	3.2	40
23	Palladium-Catalyzed anti-Selective Fluoroalkylboration of Internal and Terminal Alkynes. <i>Organic Letters</i> , 2018, 20, 5631-5635.	4.6	40
24	Highly mono-selective ortho-trifluoromethylation of benzamides via 8-aminoquinoline assisted Cu-promoted C-H activations. <i>Chemical Communications</i> , 2016, 52, 6845-6848.	4.1	38
25	Photocatalytic Remote Oxyfluoroalkylation of Heteroalkynes: Regio-, Stereo-, and Site-Selective Access to Complex Fluoroalkylated (<i>Z</i>)-Alkenes. <i>Organic Letters</i> , 2020, 22, 3667-3672.	4.6	37
26	Copper-catalyzed direct thiolation of xanthenes and related heterocycles with disulfides. <i>Tetrahedron Letters</i> , 2013, 54, 5907-5910.	1.4	35
27	Multicomponent Synthesis of Isoindolinones by Rh ^{III} Relay Catalysis: Synthesis of Pagoclone and Pazinaclone from Benzaldehyde. <i>Organic Letters</i> , 2019, 21, 1273-1277.	4.6	33
28	Palladium-Catalyzed Dienylation of Haloalkynes using 2,3-Butadienyl Acetates: A Facile Access to (1 <i>Z</i>)-1,2-Dihalo-3-vinyl-1,3-dienes. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1474-1478.	4.3	31
29	AIBN-Induced Remote Trifluoromethyl-Alkynylation of Thioalkynes. <i>Organic Letters</i> , 2020, 22, 4088-4092.	4.6	31
30	Photocatalytic 1,1-Hydrofluoroalkylation of Alkynes with a Concurrent Vicinal Acylation: An Access to Fluoroalkylated Cyclic Ketones. <i>Organic Letters</i> , 2019, 21, 4187-4191.	4.6	29
31	An operationally simple approach to (<i>E</i>)- <i>trans</i> -halo vinyl sulfides and their applications for accessing stereodefined trisubstituted alkenes. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2175.	2.8	28
32	Photocatalytic acylarylation of unactivated alkenes with diaryliodonium salts toward indanones and related compounds. <i>Chemical Communications</i> , 2018, 54, 5373-5376.	4.1	28
33	Copper-catalyzed decarboxylative methylthiolation of aromatic carboxylate salts with DMSO. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5674-5679.	2.8	27
34	Copper-Catalyzed Radical Cascade Difluoromethylation/Cyclization of 2-(3-Arylpropionyl)benzaldehydes: A Route to Difluoromethylated Naphthoquinones. <i>Journal of Organic Chemistry</i> , 2017, 82, 6811-6818.	3.2	26
35	Photocatalytic Sulfonylcarbocyclization of Alkynes Using SET as a Traceless Directing Group: Access to Cyclopentenes and Indenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	26
36	Nickel-Catalyzed Remote Arylation of Alkenyl Aldehydes Initiated by Radical Alkylation with Tertiary <i>trans</i> -Carbonyl Alkyl Bromides. <i>Organic Letters</i> , 2018, 20, 1435-1438.	4.6	25

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37	Divergent Synthesis of 2-Aminofurans via Palladium-Catalyzed Acetoxylation, Alkoxylation, and Hydroxylation Cycloisomerization of Homoallenyl Amides. <i>Journal of Organic Chemistry</i> , 2015, 80, 7604-7612.	3.2	24
38	Silver-Promoted Decarboxylative Sulfonylation of Aromatic Carboxylic Acids with Sodium Sulfinates. <i>Journal of Organic Chemistry</i> , 2019, 84, 11195-11202.	3.2	24
39	Modular Synthesis of Alkylaryloxy Compounds via Iron(III)-Catalyzed Olefin Hydroamination. <i>Organic Letters</i> , 2019, 21, 2261-2264.	4.6	24
40	Construction of 1-Naphthols via Benzannulation Based on the Reaction of Aryl <i>tert</i> -Butyl Ynol Ethers with Ynamides or Ynol Ethers. <i>Journal of Organic Chemistry</i> , 2015, 80, 10226-10233.	3.2	23
41	Internal Alkyne-Directed Fluorination of Unactivated C(sp ³)-H Bonds. <i>Organic Letters</i> , 2020, 22, 9398-9403.	4.6	22
42	Copper-catalyzed coupling of 2-vinyl benzaldehydes with 3-alkenyl 2-bromocarbonyls for the rapid construction of 3,4-cyclopenta-1-tetralones. <i>Tetrahedron Letters</i> , 2016, 57, 2331-2335.	1.4	21
43	Palladium-catalyzed tandem cyclization/sulfonylation of homoallenyl amides with sodium sulfinates. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7204-7211.	2.8	20
44	Copper-Catalyzed α -Selective Hydroborylation of Ynamides: A Facile Access to α -Alkenylamide Boronates. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 626-629.	2.7	19
45	Synthesis of Benzofulvenes via Cp*Co(III)-Catalyzed C-H Activation and Carbocyclization of Aromatic Ketones with Internal Alkynes. <i>Journal of Organic Chemistry</i> , 2019, 84, 7449-7458.	3.2	19
46	Direct synthesis of benzoxazinones via Cp*Co(III)-catalyzed C-H activation and annulation of sulfoxonium ylides with dioxazolones. <i>Chinese Chemical Letters</i> , 2021, 32, 1263-1266.	9.0	19
47	Copper-catalyzed cascade annulation between α -bromocarbonyls and biaryl or (<i>Z</i>)-arylvinylnacetylenes enabling a direct synthesis of dibenzocycloheptanes and related compounds. <i>Chemical Communications</i> , 2016, 52, 13971-13974.	4.1	17
48	Synthesis of <i>cis</i> -1,2-dichlorovinylsulfones via Fe-catalyzed regio- and stereoselective addition of sulfonyl chlorides to aromatic chloroalkynes. <i>Tetrahedron Letters</i> , 2014, 55, 1011-1013.	1.4	15
49	Palladium-Catalyzed Direct Alkenylation of 2-Oxazolones: An Entry to 3,4,5-Trisubstituted 2-Oxazolones. <i>Journal of Organic Chemistry</i> , 2013, 78, 10894-10901.	3.2	14
50	Synthesis of α,β -Unsaturated Carbonyls via Silver-Catalyzed Tandem Epoxide Rearrangement/Intermolecular Carbonyl-Heteroalkyne Metathesis. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3730-3735.	4.3	14
51	Synthesis of Aryl Alkynes via Copper Catalyzed Decarboxylative Alkynylation of 2-Nitrobenzoic Acids. <i>Journal of Organic Chemistry</i> , 2018, 83, 8556-8566.	3.2	14
52	Synthesis of Polysubstituted Pyrroles via Silver-Catalyzed Oxidative Radical Addition of Cyclopropanols to Imines. <i>Organic Letters</i> , 2020, 22, 7542-7546.	4.6	14
53	Synthesis of polysubstituted azetidines via cascade trifluoromethylation/cyclization of <i>N</i> -allyl ynamides. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4473-4478.	4.5	13
54	Visible-Light Photocatalytic Remote Halo-difluoroalkylation of Thioalkynes. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 3410.	1.3	13

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55	Palladium-Catalyzed Remote Aryldifluoroalkylation of Alkenyl Aldehydes. <i>Angewandte Chemie</i> , 2017, 129, 1924-1928.	2.0	12
56	Preparation of 2-Amino-5-homoallylfurans via Palladium-Catalyzed Tandem Cycloisomerization/Heck-Type Coupling of Homoallenyl Amides with Allyltrialkylsilanes. <i>Journal of Organic Chemistry</i> , 2017, 82, 11134-11140.	3.2	12
57	Synthesis of Polyaryl-Substituted Olefins via a Rh(III)-Catalyzed One-Pot Reaction Using <i>N</i> -Phenoxyacetamides, Ketones, and Hydrazines. <i>Journal of Organic Chemistry</i> , 2018, 83, 2898-2903.	3.2	12
58	Recent Advances on Oxidative Radical Addition to Aldehydes. <i>Chinese Journal of Organic Chemistry</i> , 2018, 38, 2858.	1.3	12
59	Direct access to 2-amino-5-azidomethylfurans through palladium-catalyzed azidative cycloisomerization of homoallenyl amides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8557-8563.	2.8	11
60	Solvent-controlled photocatalytic divergent cyclization of alkynyl aldehydes: access to cyclopentenones and dihydropyranols. <i>Chemical Science</i> , 2021, 12, 11420-11426.	7.4	11
61	A Facile Access to 3,5-Disubstituted Oxazolones Featuring a Cu-catalyzed Cyclization of <i>N</i> -Alkynyl <i>tert</i> -Butyl Carbamates. <i>Chemistry Letters</i> , 2012, 41, 636-638.	1.3	10
62	Iron-catalyzed domino Knoevenagel-hetero-Diels-Alder reaction: facile access to oxabicyclo[3.3.1]nonene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5684-5687.	2.8	6
63	Transition-Metal-Free ^{13}C Cyanation of Sulfonamides. <i>Chemistry - A European Journal</i> , 2021, 27, 7103-7107.	3.3	6
64	Radical Chain Isomerization of <i>N</i> -Sulfonyl Ynamides to Ketenimines and Its Application to Furan Dearomatization. <i>Organic Letters</i> , 2021, 23, 9321-9326.	4.6	6
65	Copper-Catalyzed 1,2,5-Trifunctionalization of Terminal Alkynes Using SR as a Transient Directing Group for Radical Translocation. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1667-1673.	4.9	6
66	Photocatalytic Sulfonylcarbocyclization of Alkynes Using SET as a Traceless Directing Group: Access to Cyclopentenones and Indenes. <i>Angewandte Chemie</i> , 0, , .	2.0	2