

Jin-Tao Yu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Radical C-H functionalization to construct heterocyclic compounds. <i>Chemical Communications</i> , 2016, 52, 2220-2236.	4.1	124
2	The carbomethylation of arylacrylamides leading to 3-ethyl-3-substituted indolin-2-one by cascade radical addition/cyclization. <i>Chemical Communications</i> , 2014, 50, 3865.	4.1	103
3	The benzoyl peroxide-promoted functionalization of simple alkanes with 2-aryl phenyl isonitrile. <i>Chemical Communications</i> , 2014, 50, 9179.	4.1	90
4	Copper-catalyzed oxidative C(sp ³)-H/N-H coupling of sulfoximines and amides with simple alkanes via a radical process. <i>Chemical Communications</i> , 2015, 51, 5902-5905.	4.1	90
5	The ammonium-promoted formylation of indoles by DMSO and H ₂ O. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7092.	2.8	86
6	Rh-catalyzed sequential oxidative C-H activation/annulation with geminal-substituted vinyl acetates to access isoquinolines. <i>Chemical Communications</i> , 2015, 51, 13327-13329.	4.1	85
7	Recent Applications of $\hat{\pm}$ -Carbonyl Sulfoxonium Ylides in Rhodium- and Iridium-Catalyzed C-H Functionalizations. <i>Synlett</i> , 2019, 30, 21-29.	1.8	84
8	Metal-Free Radical Oxidative Annulation of Ynones with Alkanes To Access Indenones. <i>Journal of Organic Chemistry</i> , 2016, 81, 2087-2093.	3.2	80
9	Rhodium-Catalyzed Reaction of Sulfoxonium Ylides and Anthranils toward Indoloindolones via a (4 +) Tj ETQq1 1 0.784314 rgBT /Ove	4.6	78
10	TBHP-promoted sequential radical silylation and aromatisation of aryl isonitriles with silanes. <i>Chemical Communications</i> , 2014, 50, 10864-10867.	4.1	66
11	Di-tert-Butyl Peroxide-Promoted Sequential Methylation and Intramolecular Aromatization of Isonitriles. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3341-3346.	4.3	63
12	The Construction of X-H-CN (X=N, S, O) Bonds. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 26-38.	4.3	63
13	Palladium-Catalyzed Arylcarboxylation of Propargylic Alcohols with CO ₂ and Aryl Halides: Access to Functionalized $\hat{\pm}$ -Alkylidene Cyclic Carbonates. <i>Organic Letters</i> , 2017, 19, 1088-1091.	4.6	59
14	Visible-Light-Driven Palladium-Catalyzed Oxy-Alkylation of 2-(1-Arylvinyl)anilines by Unactivated Alkyl Bromides and CO ₂ : Multicomponent Reactions toward 1,4-Dihydro-2-H-3,1-benzoxazin-2-ones. <i>Organic Letters</i> , 2019, 21, 6579-6583.	4.6	51
15	tert-Butyl Peroxybenzoate-Promoted $\hat{\pm}$ -Methylation of 1,3-Dicarbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2014, 79, 11285-11289.	3.2	50
16	Rhodium-Catalyzed Annulation of Primary Benzylamine with $\hat{\pm}$ -Diazo Ketone toward Isoquinoline. <i>Journal of Organic Chemistry</i> , 2016, 81, 8009-8013.	3.2	46
17	Radical N-arylation/alkylation of sulfoximines. <i>Tetrahedron Letters</i> , 2016, 57, 2372-2374.	1.4	45
18	Rhodium-catalyzed C ₇ -alkylation of indolines with maleimides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 693-697.	2.8	41

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19	Carbon annulation of ortho-vinylanilines with dimethyl sulfoxide to access 4-aryl quinolines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1334-1337.	2.8	39
20	Radical 1,2-Alkylarylation/Acylation of Allylic Alcohols with Aldehydes via Neophyl Rearrangement. <i>Journal of Organic Chemistry</i> , 2017, 82, 7683-7688.	3.2	39
21	Metal-Free Cascade Oxidative Decarbonylative Alkylation/Arylation of Alkynoates with Aliphatic Aldehydes. <i>Journal of Organic Chemistry</i> , 2016, 81, 12065-12069.	3.2	38
22	Copper-catalyzed N-methylation/ethylation of sulfoximines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9934-9937.	2.8	35
23	Rh(<i>scpd</i>)-Catalyzed sequential <i>ortho</i> -C-H oxidative arylation/cyclization of sulfoxonium ylides with quinones toward 2-hydroxy-dibenzo[<i>b,d</i>]pyran-6-ones. <i>Chemical Communications</i> , 2020, 56, 6688-6691.	4.1	35
24	Recent Advances in Polychloromethylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 305-327.	4.3	35
25	Palladium-Catalyzed Multicomponent Reactions of <i>ortho</i> -Alkynylanilines, Aryl Iodides, and CO ₂ toward 3,3-Diaryl 2,4-Quinolinediones. <i>Organic Letters</i> , 2017, 19, 4319-4322.	4.6	34
26	Copper-Mediated Direct Cyanation of Heteroarene and Arene C-H Bonds by the Combination of Ammonium and DMF. <i>Organic Letters</i> , 2019, 21, 9919-9923.	4.6	32
27	Diacyl peroxides: practical reagents as aryl and alkyl radical sources. <i>Chemical Communications</i> , 2021, 57, 6707-6724.	4.1	31
28	Copper(I)-Catalyzed Desulfinate Carboxylation of Sodium Sulfinates using Carbon Dioxide. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 2022-2026.	4.3	30
29	Metal-free radical cascade chloromethylation of unactivated alkenes: synthesis of polychloro-substituted indolines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5752-5755.	2.8	30
30	Radical Polychloromethylation/Cyclization of Unactivated Alkenes: Access to Polychloromethylated Substituted Ring-Fused Quinazolinones. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1085-1090.	4.3	28
31	Oxidative decarbonylative coupling of aliphatic aldehydes with methacryloyl benzamides to generate isoquinoline-1,3(2 <i>H</i> ,4 <i>H</i>)-diones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 1096-1099.	2.8	26
32	Peroxide-mediated synthesis of benzimidazo[2,1- <i>a</i>]isoquinoline-6(5 <i>H</i>)-ones via cascade methylation/ethylation and intramolecular cyclization. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 619-626.	2.8	26
33	Radical Decarboxylation/Annulation of Acrylamides with Aliphatic Acyl Peroxides. <i>Journal of Organic Chemistry</i> , 2017, 82, 5005-5010.	3.2	25
34	Rhodium-Catalyzed Site-Selective <i>ortho</i> -C-H Activation: Enone Carbonyl Directed Hydroarylation of Maleimides. <i>Journal of Organic Chemistry</i> , 2018, 83, 12086-12093.	3.2	25
35	Cs ₂ CO ₃ -Promoted Carboxylation of <i>N</i> -Tosylhydrazones with Carbon Dioxide toward β -Arylacrylic Acids. <i>Journal of Organic Chemistry</i> , 2015, 80, 2855-2860.	3.2	24
36	Bu ₄ Ni-catalyzed direct β -oxyacylation of diarylethanones with acyl peroxides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 9751-9754.	2.8	24

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37	Metal-free radical addition/cyclization of alkynoates with xanthates towards 3-(β -carbonyl)coumarins. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9033-9039.	2.8	24
38	Rhodium-catalyzed C-H activation/annulation of amidines with 4-diazoisochroman-3-imines toward isochromeno[3,4- <i>c</i>]isoquinolines. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8417-8424.	2.8	24
39	TBHP-promoted sequential carboxamidation and aromatisation of aryl isonitriles with formamides. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9257-9263.	2.8	23
40	Palladium-catalyzed CO-free cyclizative carbonylation of 2-benzylpyridines leading to pyridoisochromanones. <i>Organic Chemistry Frontiers</i> , 2018, 5, 962-966.	4.5	23
41	Rhodium-Catalyzed dual C-H functionalization of 3-(1 <i>H</i> -indol-3-yl)-3-oxopropanenitriles with sulfoxonium ylides or diazo compounds toward polysubstituted carbazoles. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8715-8718.	2.8	22
42	Molecular Oxygen-Mediated Radical Cyclization of Acrylamides with Boronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 4889-4893.	4.3	22
43	Aqueous MCRs of quaternary ammoniums, N-substituted formamides and sodium disulfide towards aryl thioamides. <i>Organic Chemistry Frontiers</i> , 2017, 4, 413-416.	4.5	21
44	Rhodium-Catalyzed regioselective C4 alkylation of indoles with allylic alcohols: direct access to β -indolyl ketones. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3038-3042.	2.8	21
45	Rhodium-Catalyzed Reaction of Azobenzenes and Nitrosoarenes toward Phenazines. <i>Organic Letters</i> , 2019, 21, 2565-2568.	4.6	20
46	Site-specific hydroxyalkylation of chromones via alcohol mediated Minisci-type radical conjugate addition. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1823-1827.	2.8	19
47	Iron-catalyzed arylmethylation of sulfonyl acrylamides. <i>Tetrahedron Letters</i> , 2016, 57, 4109-4112.	1.4	18
48	Direct arylation of inactivated benzene with aryl acyl peroxides toward biaryls. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6467-6469.	2.8	18
49	Palladium/copper-catalyzed multicomponent reactions of propargylic amides, haloalkanes and CO ₂ toward functionalized oxazolidinone-2,4-diones. <i>Chemical Communications</i> , 2019, 55, 13685-13688.	4.1	18
50	Cyanomethylative cyclization of unactivated alkenes with nitriles for the synthesis of cyano-containing ring-fused quinazolin-4(3 <i>H</i>)-ones. <i>New Journal of Chemistry</i> , 2022, 46, 1347-1352.	2.8	18
51	1,2-Arylalkylation of N-(arylsulfonyl)acrylamides using aliphatic aldehydes as the alkyl source. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5476-5479.	2.8	17
52	Metal-free oxidative radical cascade addition/oxobutylation of unactivated alkenes with acetone towards 3-(3-oxobutyl)indolines. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6035-6038.	2.8	17
53	The Silver-Promoted Phosphonation/Alkynylation of Alkene Proceeding with Radical 1,2-Alkynyl Migration. <i>Journal of Organic Chemistry</i> , 2019, 84, 11177-11185.	3.2	17
54	The Reaction of α -Aminoacetophenone N-Tosylhydrazone and CO ₂ toward 1,4-dihydro-2 <i>H</i> - β ,1-benzoxazin-2-ones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3538-3542.	4.3	17

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55	Recent advances in rhodium-catalyzed C(sp ²)–H (hetero)arylation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 8442-8465.	2.8	16
56	Iridium-catalyzed C–H phosphoramidation of <i>N</i> -aryl-7-azaindoles with phosphoryl azides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3711-3715.	2.8	15
57	Metal-free polychloromethyl radical-initiated cyclization of unactivated <i>N</i> -allylindoles towards pyrrolo[1,2- <i>a</i>]indoles. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5259-5263.	2.8	15
58	Cascade arylchloromethylation of unactivated alkenes for the construction of chloromethyl substituted dihydroisoquinolinones. <i>Tetrahedron Letters</i> , 2020, 61, 151499.	1.4	13
59	Metal-Free Hydroxyalkylative Radical Addition/Cyclization of Unactivated Alkenes for the Synthesis of Hydroxyalkylated Ring-Fused Quinazolinones. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 5382-5385.	2.4	13
60	Copper-Catalyzed Cascade Denitrogenative Transannulation/Hydrolyzation of 3-Aminoindazoles toward 2,2-Disubstituted Indanones. <i>Journal of Organic Chemistry</i> , 2019, 84, 15669-15676.	3.2	12
61	Synthesis of dihydroquinolinones <i>via</i> iridium-catalyzed cascade C–H amidation and intramolecular aza-Michael addition. <i>Chemical Communications</i> , 2019, 55, 1915-1918.	4.1	12
62	Rhodium-catalyzed C–H activation/cyclization of aryl sulfoximines with iodonium ylides towards polycyclic 1,2-benzothiazines. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 10085-10089.	2.8	11
63	Copper-catalyzed acylation of pyrazolones with aldehydes to afford 4-acylpyrazolones. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7552-7557.	2.8	10
64	Rhodium(III)-catalyzed direct C-7 sulfonamidation and amination of indolines with arylsulfonamides and trifluoroacetamide. <i>Tetrahedron Letters</i> , 2019, 60, 1349-1352.	1.4	10
65	Three-component synthesis of arylsulfonyl-substituted indolo[2,1- <i>a</i>]isoquinolinones and benzimidazo-[2,1- <i>a</i>]isoquinolin-6(5 <i>H</i>)-ones by SO ₂ insertion and radical cascade cyclization. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3067-3071.	2.8	10
66	Rhodium-Catalyzed C–H Activation/Annulation of <i>N</i> -Methyl Arylhydrazinones with Vinylene Carbonate. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	10
67	The dearomative annulation between <i>N</i> -2-pyridylamidine and CO ₂ toward pyrido[1,2- <i>a</i>]-1,3,5-triazin-4-ones. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4064-4067.	2.8	9
68	Metal-free oxidative decarbonylative alkylation of chromones using aliphatic aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 3568-3571.	2.8	9
69	Rh(III)-Catalyzed C–H Activation/Annulation of <i>N</i> -Methyl Arylhydrazinones with Iodonium Ylides toward Ring-fused Cinnolines. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, e202100809.	2.7	9
70	Cascade arylalkylation of unactivated alkenes for the construction of cyanomethyl-substituted dihydroisoquinolinones and indolines. <i>Catalysis Communications</i> , 2019, 131, 105802.	3.3	8
71	Rh ^{III} -Catalyzed C6-Selective Oxidative C–H/C–H Crosscoupling of 2-Pyridones with Thiophenes. <i>Chemistry - A European Journal</i> , 2021, 27, 12294-12299.	3.3	8
72	Alkylarylation of <i>N</i> -allylbenzamides and <i>N</i> -allylanilines with simple ethers for the direct construction of ether substituted dihydroisoquinolinones and indolines. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 650-654.	2.8	6

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73	Iridium-catalyzed selective ortho C-H carbenoid functionalization of N-aryl-7-azaindoles with diazotized Meldrum's acid. <i>Tetrahedron Letters</i> , 2021, 62, 152703.	1.4	6
74	Rhodium-catalyzed directed C-H functionalization of 2-arylindazoles with diazotized Meldrum's acid. <i>Journal of Organometallic Chemistry</i> , 2021, 951, 122009.	1.8	5
75	Three-Component Vicinal Sulfonation of Alkynes toward β -Sulfonylindoles via the Insertion of Sulfur Dioxide. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	5
76	Ruthenium-Catalyzed C-H Functionalization/Annulation of N-Aryl Indazoles/Phthalazines with Sulfoxonium Ylides to access Tetracyclic Fused Cinnolines. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	4
77	DTBP-promoted site-selective α -alkoxyl C-H functionalization of alkyl esters: synthesis of 2-alkyl ester substituted chromanones. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4520-4528.	2.8	3
78	Rh(III)-Catalyzed C6-Selective C-H α -Oxoalkylation of 2-Pyridones with Allylic Alcohols. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	1