

Yajun Li

List of Publications by Year in descending order

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69
papers

2,037
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218677

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265206

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times ranked

1455
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#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Radical 1,4-Difunctionalization of 1,3-Enynes with Alkyl Diacyl Peroxides and <i>N</i> -Fluorobenzenesulfonimide. <i>Journal of the American Chemical Society</i> , 2019, 141, 548-559.	13.7	162
2	Copper-Catalyzed Enantioselective Radical 1,4-Difunctionalization of 1,3-Enynes. <i>Journal of the American Chemical Society</i> , 2020, 142, 18014-18021.	13.7	109
3	Iron-catalyzed carboazidation of alkenes and alkynes. <i>Nature Communications</i> , 2019, 10, 122.	12.8	83
4	Copper-catalyzed 1,4-alkylarylation of 1,3-enynes with masked alkyl electrophiles. <i>Chemical Science</i> , 2019, 10, 3632-3636.	7.4	80
5	Organocatalytic Asymmetric Tandem Michael Addition~Hemiacetalization: A Route to Chiral Dihydrocoumarins, Chromanes, and 4H-Chromenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 6900-6907.	3.2	77
6	Recent Progress on Radical Decarboxylative Alkylation for Csp ³ -C Bond Formation. <i>Synthesis</i> , 2017, 49, 5263-5284.	2.3	77
7	Radical azidation as a means of constructing C(sp ³)-N ₃ bonds. <i>Green Synthesis and Catalysis</i> , 2020, 1, 86-120.	6.8	72
8	Iron-catalysed asymmetric carboazidation of styrenes. <i>Nature Catalysis</i> , 2021, 4, 28-35.	34.4	60
9	Au(I)-Catalyzed Intramolecular Hydroamination of the Fluorinated <i>N</i> ² -Aryl- <i>N</i> -Propargyl Amidines: Mild Conditions for the Synthesis of 2-Fluoroalkyl Imidazole Derivatives. <i>Organic Letters</i> , 2012, 14, 1130-1133.	4.6	59
10	Gold(I)-Catalyzed Aminohalogenation of Fluorinated <i>N</i> ² -Aryl- <i>N</i> -Propargyl Amidines for the Synthesis of Imidazole Derivatives under Mild Conditions. <i>Chemistry - A European Journal</i> , 2013, 19, 1496-1501.	3.3	59
11	<i>γ</i> -Amino Butyric Acid (GABA) Synthesis Enabled by Copper-Catalyzed Carboamination of Alkenes. <i>Organic Letters</i> , 2017, 19, 4718-4721.	4.6	59
12	Merging Visible-Light Photocatalysis and Transition-Metal Catalysis in Three-Component Alkyl-Fluorination of Olefins with a Fluoride Ion. <i>Organic Letters</i> , 2018, 20, 4245-4249.	4.6	55
13	Copper-Catalyzed Radical Acyl-Cyanation of Alkenes with Mechanistic Studies on the <i>tert</i> -Butoxy Radical. <i>ACS Catalysis</i> , 2019, 9, 5191-5197.	11.2	50
14	Synthesis of difluoromethylated allenes through trifunctionalization of 1,3-enynes. <i>Nature Communications</i> , 2020, 11, 416.	12.8	44
15	Iron-Catalyzed Radical Asymmetric Aminoazidation and Diazidation of Styrenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12455-12460.	13.8	43
16	Copper(II)-Catalyzed Asymmetric Henry Reaction of <i>o</i> -Alkynylbenzaldehydes Followed by Gold(I)-Mediated Cycloisomerization: An Enantioselective Route to Chiral 1 <i>H</i> -Isochromenes and 1,3-Dihydroisobenzofurans. <i>Journal of Organic Chemistry</i> , 2011, 76, 8869-8878.	3.2	41
17	Iron-Catalyzed Radical Acyl-Azidation of Alkenes with Aldehydes: Synthesis of Unsymmetrical β -Azido Ketones. <i>Organic Letters</i> , 2019, 21, 256-260.	4.6	41
18	Iron-Catalyzed Dehydrative Alkylation of Propargyl Alcohol with Alkyl Peroxides To Form Substituted 1,3-Enynes. <i>Organic Letters</i> , 2018, 20, 3202-3205.	4.6	40

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19	Radical transformations for allene synthesis. <i>Chemical Science</i> , 2022, 13, 8491-8506.	7.4	38
20	Alkyl Esterification of Vinylarenes Enabled by Visible-Light-Induced Decarboxylation. <i>Chemistry - A European Journal</i> , 2017, 23, 11767-11770.	3.3	37
21	Copper-Catalyzed Decarboxylative Alkylation of Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3720-3724.	4.3	34
22	Iron-Catalyzed Alkylazidation of 1,1-Disubstituted Alkenes with Diacylperoxides and TMSN ₃ . <i>Organic Letters</i> , 2020, 22, 3195-3199.	4.6	34
23	Rh-catalyzed intramolecular sp ² C-H bond difluoromethylenation. <i>Chemical Communications</i> , 2012, 48, 3136.	4.1	33
24	Rhodium-Catalyzed Intramolecular Difluoromethylenative Dearomatization of Phenols. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 8039-8047.	2.4	31
25	Synthesis of Fluorine-Containing Multisubstituted Phenanthridines by Rhodium-Catalyzed Alkyne [2+2+2] Cycloaddition and Tandem sp ² C-H Difluoromethylenation. <i>Chemistry - A European Journal</i> , 2013, 19, 8294-8299.	3.3	30
26	Cu-Catalyzed Alkylarylation of Vinylarenes with Masked Alkyl Electrophiles. <i>Organic Letters</i> , 2020, 22, 620-625.	4.6	30
27	Iron(II)-Catalyzed Heck-Type Coupling of Vinylarenes with Alkyl Iodides. <i>Organic Letters</i> , 2019, 21, 776-779.	4.6	29
28	Direct heptafluoroisopropylation of arylboronic acids via hexafluoropropene (HFP). <i>Chemical Communications</i> , 2016, 52, 796-799.	4.1	28
29	Iron-Catalyzed Radical Decarboxylative Oxyalkylation of Terminal Alkynes with Alkyl Peroxides. <i>Chemistry - A European Journal</i> , 2017, 23, 10254-10258.	3.3	28
30	Barbier Self-Condensing Ketyl Polymerization-Induced Emission: A Polarity Reversal Approach to Reversed Polymerizability. <i>IScience</i> , 2020, 23, 101031.	4.1	25
31	Copper-Catalyzed Enantioselective Cyano(Fluoro)Alkylation of Alkenes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2211-2215.	4.3	25
32	Asymmetric radical carboesterification of dienes. <i>Nature Communications</i> , 2021, 12, 6670.	12.8	24
33	Direct isoperfluoroisopropylation of arenediazonium salts with hexafluoropropylene. <i>Organic Chemistry Frontiers</i> , 2016, 3, 304-308.	4.5	23
34	Isonitrile alkylations: a rapid route to imidazo[1,5-a]pyridines. <i>Chemical Communications</i> , 2016, 52, 2111-2113.	4.1	23
35	Cu-catalyzed tandem reactions of fluorinated alkynes with sulfonyl azides en route to 2-trifluoromethylquinolines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7267.	2.8	22
36	Iron(III)-Catalyzed Ortho-Preferred Radical Nucleophilic Alkylation of Electron-Deficient Arenes. <i>Organic Letters</i> , 2017, 19, 6538-6541.	4.6	21

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37	Practical Method for Reductive Deuteration of Ketones with Magnesium and D ₂ O. <i>Organic Letters</i> , 2020, 22, 991-996.	4.6	21
38	Copper-catalyzed Radical Enantioselective Carboesterification of Styrenes Enabled by a Perfluoroalkylated PyBox Ligand. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202202077.	13.8	21
39	Copper(I)-Catalyzed Cyanoperfluoroalkylation of Alkynes. <i>Organic Letters</i> , 2019, 21, 7078-7083.	4.6	19
40	1,4-Fluoroamination of 1,3-Enynes en Route to Fluorinated Allenes. <i>Organic Letters</i> , 2020, 22, 5261-5265.	4.6	19
41	Iron-Catalyzed Asymmetric Decarboxylative Azidation. <i>Organic Letters</i> , 2021, 23, 8847-8851.	4.6	19
42	Regioselective Three-Component Synthesis of Vicinal Diamines via 1,2-Diamination of Styrenes. <i>Organic Letters</i> , 2021, 23, 3184-3189.	4.6	17
43	Iron-Catalyzed Oxyalkylation of Terminal Alkynes with Alkyl Iodides. <i>Organic Letters</i> , 2019, 21, 261-265.	4.6	16
44	Direct synthesis of pentasubstituted pyrroles and hexasubstituted pyrrolines from propargyl sulfonylamides and allenamides. <i>Chemical Science</i> , 2021, 12, 9162-9167.	7.4	15
45	Copper-catalyzed three-component oxycyanation of alkenes. <i>Organic Chemistry Frontiers</i> , 2021, 8, 908-914.	4.5	14
46	HOTf-Catalyzed Alkyl-Heck-type Reaction. <i>IScience</i> , 2018, 3, 255-263.	4.1	13
47	Radical 1,2,3-tricarbofunctionalization of β -vinyl- α -ketoesters enabled by a carbon shift from an all-carbon quaternary center. <i>Chemical Science</i> , 2022, 13, 6836-6841.	7.4	13
48	Pd-catalyzed coupling reaction of fluorinated propargyl amidines with aryl iodides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 41-43.	2.8	11
49	Iron-Catalyzed Carboiodination of Alkynes. <i>Synthesis</i> , 2018, 50, 2974-2980.	2.3	11
50	Revealing the Iron-Catalyzed β -Methyl Scission of tert-Butoxyl Radicals via the Mechanistic Studies of Carboazidation of Alkenes. <i>Molecules</i> , 2020, 25, 1224.	3.8	10
51	Metal-free intermolecular aminochlorination of unactivated alkenes. <i>Organic Chemistry Frontiers</i> , 2018, 5, 1303-1307.	4.5	9
52	Copper(I)-catalyzed tandem reaction: synthesis of 1,4-disubstituted 1,2,3-triazoles from alkyl diacyl peroxides, azidotrimethylsilane, and alkynes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2916-2922.	2.2	9
53	Iron-catalyzed Vinylic C-H Alkylation with Alkyl Peroxides. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2522-2528.	3.3	9
54	Bi(iii)-catalyzed aminooxygenation of propargyl amidines to synthesize 2-fluoroalkyl imidazole-5-carbaldehydes and their decarbonylations. <i>Chemical Communications</i> , 2020, 56, 6400-6403.	4.1	8

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55	Iron Catalyzed Oxidative Hydroarylation, Methylation, and Diarylation of Vinylarenes to Generate Unsymmetrical 1,1-Diarylalkanes. Chinese Journal of Organic Chemistry, 2017, 37, 1160.	1.3	8
56	The Introduction of the Radical Cascade Reaction into Polymer Chemistry: A One-Step Strategy for Synchronized Polymerization and Modification. IScience, 2020, 23, 100902.	4.1	7
57	Iron phthalocyanine-catalyzed radical phosphinoylazidation of alkenes: A facile synthesis of β -azido-phosphine oxide with a fast azido transfer step. Chinese Journal of Catalysis, 2021, 42, 1634-1640.	14.0	7
58	Synthesis of unsymmetrically tetrasubstituted pyrroles and studies of AIEE in pyrrolo[1,2- <i>a</i>]pyrimidine derivatives. Chemical Science, 2022, 13, 5667-5673.	7.4	7
59	Au(I)-Catalyzed Synthesis of 5-Bromodifluoromethyl Pyrazoles from Fluorinated Alkynyl Ketones and Hydrazine. Chinese Journal of Chemistry, 2011, 29, 2695-2701.	4.9	5
60	Copper-Catalyzed Nitrogenation of Aromatic and Aliphatic Aldehydes: A Direct Route to Carbamoyl Azides. Synthesis, 2019, 51, 4645-4649.	2.3	5
61	Direct Conversion of Nitriles into Alkene α -nitrites. Angewandte Chemie - International Edition, 2016, 55, 14770-14773.	13.8	4
62	Metal-free alkynylsulfonylation of vinylarenes. Organic Chemistry Frontiers, 2021, 8, 1817-1822.	4.5	4
63	Synthesis of Multisubstituted Tetrahydroquinolines through Aza-Michael/ Michael Addition Catalyzed by Quaternary Ammonium Salt. Synlett, 2014, 25, 1781-1785.	1.8	3
64	Vicinal bis(trifluoroacetimidoyl chloride)s: novel building blocks for the synthesis of benzo-fused eight-membered rings via [2 + 2 + 2] cycloadditions. Organic and Biomolecular Chemistry, 2014, 12, 1040.	2.8	3
65	Iron-Catalyzed Decarboxylative Heck-Type Alkylation of Conjugate 1,3-Dienes. Chinese Journal of Organic Chemistry, 2021, 41, 2707.	1.3	3
66	Copper-Catalyzed Conjugate Additions to Isocyanoalkenes. Journal of Organic Chemistry, 2022, 87, 488-497.	3.2	1
67	Direct Conversion of Nitriles into Alkene α -nitrites. Angewandte Chemie, 2016, 128, 14990-14993.	2.0	0
68	Iron-Catalyzed Radical Asymmetric Aminoazidation and Diazidation of Styrenes. Angewandte Chemie, 2021, 133, 12563-12568.	2.0	0
69	Copper-catalyzed radical enantioselective carboesterification of styrenes enabled by a perfluoroalkylated PyBox ligand. Angewandte Chemie, 0, , .	2.0	0