

Lu Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Gold-catalyzed transformations of α -diazocarbonyl compounds: selectivity and diversity. <i>Chemical Society Reviews</i> , 2016, 45, 506-516.	38.1	402
2	Highly Site-Selective Direct C-H Bond Functionalization of Phenols with α -Aryl- α -diaoacetates and Diazoindoles via Gold Catalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 6904-6907.	13.7	400
3	(C ₆ F ₅) ₃ B Catalyzed Chemoselective and <i>ortho</i> -Selective Substitution of Phenols with α -Aryl- α -Diazoesters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14807-14811.	13.8	152
4	Phosphine-Catalyzed Asymmetric Intermolecular Cross-Vinylogous <i>Carrier</i> Reactions of Vinyl Ketones with <i>para</i> -Quinone Methides. <i>ACS Catalysis</i> , 2017, 7, 2805-2809.	11.2	144
5	Origins of unique gold-catalysed chemo- and site-selective C-H functionalization of phenols with diazo compounds. <i>Chemical Science</i> , 2016, 7, 1988-1995.	7.4	118
6	Asymmetric Inverse-Electron-Demand Hetero-Diels-Alder Reaction of Six-membered Cyclic Ketones: An Enamine/Metal Lewis Acid Bifunctional Approach. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3484-3488.	13.8	110
7	Highly <i>para</i> -Selective C-H Alkylation of Benzene Derivatives with 2,2,2-Trifluoroethyl α -Aryl- α -Diazoesters. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2749-2753.	13.8	109
8	Arylamine-Catalyzed Enamine Formation: Cooperative Catalysis with Arylamines and Acids. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3663-3667.	13.8	79
9	Construction of β -Chiral Alkenylphosphine Oxides through Highly Chemo-, Regio-, and Enantioselective Hydrophosphinylation of Alkynes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20645-20650.	13.8	79
10	Gold-catalysed facile access to indene scaffolds via sequential C-H functionalization and 5-endo-dig carbocyclization. <i>Chemical Communications</i> , 2016, 52, 9351-9354.	4.1	77
11	Gold-catalyzed construction of two adjacent quaternary stereocenters via sequential C-H functionalization and aldol annulation. <i>Chemical Communications</i> , 2016, 52, 2257-2260.	4.1	75
12	Selectivity Control in Lewis Acid Catalyzed Regiodivergent Tandem Cationic Cyclization/Ring Expansion Terminated by Pinacol Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6093-6096.	13.8	73
13	Ligand and counteranion enabled regiodivergent C-H bond functionalization of naphthols with α -aryl- α -diazoesters. <i>Chemical Science</i> , 2019, 10, 6553-6559.	7.4	73
14	Enantioselective gold-catalyzed intermolecular [2 + 2]-cycloadditions of 3-styrylindoles with N-allenyl oxazolidinone. <i>Organic Chemistry Frontiers</i> , 2016, 3, 759-763.	4.5	70
15	Gold-catalyzed <i>para</i> -selective C-H bond alkylation of benzene derivatives with donor/acceptor-substituted diazo compounds. <i>Chemical Communications</i> , 2017, 53, 10164-10167.	4.1	54
16	Gold-Catalyzed Site-Selective C-H Bond Functionalization with Diazo Compounds. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2015-2025.	2.7	52
17	Palladium/Xiao-Phos-Catalyzed Kinetic Resolution of <i>sec</i> -Phosphine Oxides by <i>P</i> -Benzoylation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27247-27252.	13.8	51
18	Asymmetric Phosphine-Catalyzed [4+1] Annulations of <i>ortho</i> -Quinone Methides with MBH Carbonates. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4475-4479.	4.3	49

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19	A One-Pot Construction of Halogenated Trifluoromethylated Pyrroles through NXS (X = Br, I) Triggered Cascade. <i>Organic Letters</i> , 2017, 19, 4968-4971.	4.6	47
20	Phosphine-catalyzed Friedel-Crafts reaction of naphthols with para-quinone methides: expedient access to triarylmethanes. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4941-4945.	2.8	45
21	Copper-catalyzed <i>ortho</i> -selective C-H bond functionalization of phenols and naphthols with I^{\pm} -aryl- I^{\pm} -diazesters. <i>Chemical Communications</i> , 2020, 56, 9485-9488.	4.1	42
22	Phosphine-Catalyzed Diastereo- and Enantioselective Michael Addition of I^2 -Carbonyl Esters to I^2 -Trifluoromethyl and I^2 -Ester Enones: Enhanced Reactivity by Inorganic Base. <i>Organic Letters</i> , 2017, 19, 5102-5105.	4.6	38
23	Highly <i>para</i> -selective C-H Alkylation of Benzene Derivatives with 2,2,2-Trifluoroethyl I^{\pm} -Aryl- I^{\pm} -Diazesters. <i>Angewandte Chemie</i> , 2017, 129, 2793-2797.	2.0	35
24	Catalyst-Enabled Chemodivergent Construction of Alkynyl- and Vinyl-Substituted Diarylmethanes from <i>p</i> -Quinone Methides and Alkynes. <i>Organic Letters</i> , 2019, 21, 7539-7543.	4.6	35
25	A Facile Route to Polysubstituted Naphthalenes and Benzofluorenols <i>via</i> Scandium Triflate and Triflic Acid-Catalyzed Benzannulation of 2-(2-Alkynylarylidene)-1,3-Dicarbonyl Compounds. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1920-1924.	4.3	34
26	Pd/Xiang-Phos-catalyzed enantioselective intermolecular carboheterofunctionalization under mild conditions. <i>Chemical Science</i> , 2020, 11, 6283-6288.	7.4	34
27	One-Pot Tandem Catalysis: A Concise Route to Fused Bicyclic Scaffolds from Acyclic I^2 -Ketoesters and Alkynyl Aldehydes. <i>Chemistry - A European Journal</i> , 2010, 16, 11813-11817.	3.3	33
28	Phosphine-Catalyzed [3 + 2] Cycloaddition Reaction of I^{\pm} -Diaoacetates and I^2 -Trifluoromethyl Enones: A Facile Access to Multisubstituted 4-(Trifluoromethyl)pyrazolines. <i>Organic Letters</i> , 2018, 20, 6444-6448.	4.6	32
29	Borane-catalyzed C-H insertion reaction of thiophenols and thiols with I^{\pm} -aryl- I^{\pm} -diazesters. <i>Green Synthesis and Catalysis</i> , 2021, 2, 385-388.	6.8	32
30	Alstorsine A, a nor-monoterpenoid indole alkaloid from cecidogenous leaves of <i>Alstonia scholaris</i> . <i>Tetrahedron Letters</i> , 2016, 57, 1754-1757.	1.4	31
31	Trifluoromethylation/Difluoromethylation-initiated Radical Cyclization of α -Alkenyl Aromatic Isocyanides for Direct Construction of 4-Cyano-2-Trifluoromethyl/Difluoromethyl-Containing Quinolines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2274-2279.	4.3	31
32	Gold-catalyzed intermolecular [4+1] spiroannulation <i>via</i> site-selective aromatic C(sp ²)-H functionalization and dearomatization of phenol derivatives. <i>Chemical Communications</i> , 2020, 56, 8202-8205.	4.1	30
33	Mechanistic Investigation of Aromatic C(sp ²)-H and Alkyl C(sp ³)-H Bond Insertion by Gold Carbenes. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1925-1932.	2.5	29
34	Development of Transition-Metal-Catalyzed C(sp ²)-H Functionalization of Arenes with Diazo Compounds. <i>Chinese Journal of Organic Chemistry</i> , 2017, 37, 1117.	1.3	28
35	Mechanistic Insights into the Chemo- and Regio-Selective B(C ₆ F ₅) ₃ Catalyzed C-H Functionalization of Phenols with Diazesters. <i>Journal of Organic Chemistry</i> , 2019, 84, 14508-14519.	3.2	27
36	Modular and stereoselective synthesis of tetrasubstituted vinyl sulfides leading to a library of AIEgens. <i>Nature Communications</i> , 2021, 12, 7298.	12.8	24

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37	Enantioselective Synthesis of 4-H-Pyrans Through Organocatalytic Asymmetric Formal [3+3] Cycloadditions of 2-(1-Alkynyl)-2-Alken-1-ones with β -Keto Esters. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3015-3020.		23
38	Iron-catalysed chemo- and <i>ortho</i> -selective C-H bond functionalization of phenols with β -aryl- β -diazoacetates. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3770-3775.	4.5	21
39	Scandium-catalyzed tandem selective oxirane ring-opening/Friedel-Crafts alkylation: a facile access to [1,4]oxazino[4,3-a]indoles and 3,4-dihydro-1H-pyrrolo[2,1-c][1,4]oxazines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6869.	2.8	19
40	Construction of P-Chiral Alkenylphosphine Oxides through Highly Chemo-, Regio-, and Enantioselective Hydrophosphinylation of Alkynes. <i>Angewandte Chemie</i> , 2020, 132, 20826-20831.	2.0	18
41	Palladium-Catalyzed Intermolecular Heck-Type Dearomative [4 + 2] Annulation of 2-H-Isoindole Derivatives with Internal Alkynes. <i>Organic Letters</i> , 2020, 22, 5063-5067.	4.6	18
42	Base-Catalyzed 1,6-Hydrophosphonylation of <i>p</i> -Quinone Methides with Diphenylphosphane Oxide/Phosphites. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3898-3907.	2.4	17
43	Copper-Catalyzed Chemodivergent Cyclization of N-(<i>ortho</i> -alkynyl)aryl-Pyrrole and Indoles. <i>Organic Letters</i> , 2020, 22, 4511-4516.	4.6	17
44	Triflic Acid-Catalyzed Enynes Cyclization: A New Strategy beyond Electrophilic Activation. <i>Chemistry - A European Journal</i> , 2016, 22, 8488-8492.	3.3	14
45	Synthesis of pyrazolo[1,5- <i>c</i>]quinazoline derivatives through the copper-catalyzed domino reaction of <i>o</i> -alkenyl aromatic isocyanides with diazo compounds. <i>Chemical Communications</i> , 2020, 56, 7665-7668.	4.1	13
46	Silver-Catalyzed Double Hydrocarbonation of 2-Trifluoromethyl-1,3-Conjugated Enynes with 1,3-Dicarbonyl Compounds: Synthesis of Ring-Trifluoromethylated Cyclopentene. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 3555-3559.	4.3	12
47	Phosphine-catalyzed conjugate cyanation of β -trifluoromethyl enones: access to β -trifluoromethyl β -carbonyl nitriles. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2644-2648.	4.5	11
48	Palladium/Xiao-Phos-Catalyzed Kinetic Resolution of sec-Phosphine Oxides by β -Benzoylation. <i>Angewandte Chemie</i> , 0, .	2.0	11
49	Highly Stereoselective Synthesis of Tetrasubstituted Vinyl Selenides via Rhodium-Catalyzed [1,4]-Acyl Migration of Selenoesters and Diazo Compounds. <i>Organic Letters</i> , 2022, 24, 2175-2180.	4.6	11
50	Triflic Acid-Catalyzed Chemo- and Site-Selective C-H Bond Functionalization of Phenols With 1,3-Dienes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2740-2745.	4.3	10
51	Oxa-Diels-Alder Reaction of Isatins and Acyclic β,β -Unsaturated Methyl Ketones through Cooperative Dienamine and Metal Lewis Acid Catalysis. <i>Synthesis</i> , 2014, 46, 1339-1347.	2.3	7
52	Regiospecific and site-selective C-H allylation of phenols with vinyl diazo compounds catalyzed by In(<i>scp</i>). <i>Organic Chemistry Frontiers</i> , 2021, 8, 6252-6258.	4.5	6
53	Brønsted acid catalysed chemo- and <i>ortho</i> -selective aminomethylation of phenol. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5777-5781.	2.8	6
54	Product Selectivity Control in the Domino Cyclization of 2-(2-Alkynylarylidene)-1,3-dicarbonyl Compounds Catalyzed by Metal Lewis Acids. <i>Synthesis</i> , 2014, 46, 2133-2142.	2.3	5

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55	Highly enantioselective tandem cycloisomerization/Diels-Alder reaction of 2-(1-alkynyl)-2-alken-1-ones and enals: dual catalysis with platinum and amines. <i>Chemical Communications</i> , 2021, 57, 5690-5693.	4.1	4
56	Catalyst-free synthesis of β,β -disubstituted carboxylic acid derivatives under ambient conditions via a Wolff rearrangement reaction. <i>Organic Chemistry Frontiers</i> , 2021, 8, 6916-6922.	4.5	4
57	Dearomative iodocyclization of <i>N</i> -(<i>o</i> -alkynyl)aryl Isoindole. <i>Journal of Organic Chemistry</i> , 2022, 87, 7531-7535.	3.2	4