# Lu Liu

List of Publications by Year
in descending order



| 57 | 3,045 | 172457 | 161849 |
|---|---|---|---|
| papers | citations | 29 h-index | 54 g-index |

| 59 | 59 | 59 | 2071 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Highly Stereoselective Synthesis of Tetrasubstituted Vinyl Selenides via Rhodium-Catalyzed [1,4]-Acyl Migration of Selenoesters and Diazo Compounds. Organic Letters, 2022, 24, 2175-2180. | 4.6 | 11 |
| 2 | Dearomative Iodocyclization of N-(o-Alkynyl)aryl Isoindole. Journal of Organic Chemistry, 2022, 87, 7531-7535. | 3.2 | 4 |
| 3 | Highly enantioselective tandem cycloisomerization/Dielsâ€“Alder reaction of 2-(1-alkynyl)-2-alken-1-ones and enals: dual catalysis with platinum and amines. Chemical Communications, 2021, 57, 5690-5693. | 4.1 | 4 |
| 4 | Regiospecific and site-selective Câ€“H allylation of phenols with vinyldiazo compounds catalyzed by In(<scp>iii</scp>). Organic Chemistry Frontiers, 2021, 8, 6252-6258. | 4.5 | 6 |
| 5 | Triflic Acidâ€Catalyzed Chemoâ€and Siteâ€Selective Câ€“H Bond Functionalization of Phenols With 1,3â€Dienes. Advanced Synthesis and Catalysis, 2021, 363, 2740-2745. | 4.3 | 10 |
| 6 | Iron-catalysed chemo- and ortho-selective Câ€“H bond functionalization of phenols with Î±-aryl-Î±-diazoacetates. Organic Chemistry Frontiers, 2021, 8, 3770-3775. | 4.5 | 21 |
| 7 | BrÃ¸nsted acid catalysed chemo- and ortho-selective aminomethylation of phenol. Organic and Biomolecular Chemistry, 2021, 19, 5777-5781. | 2.8 | 6 |
| 8 | Catalyst-free synthesis of Î±,Î±-disubstituted carboxylic acid derivatives under ambient conditions via a Wolff rearrangement reaction. Organic Chemistry Frontiers, 2021, 8, 6916-6922. | 4.5 | 4 |
| 9 | Borane-catalysed Sâ€“H insertion reaction of thiophenols and thiols with Î±-aryl-Î±-diazoesters. Green Synthesis and Catalysis, 2021, 2, 385-388. | 6.8 | 32 |
| 10 | Palladium/Xiaoâ€Phosâ€Catalyzed Kinetic Resolution of secâ€Phosphine Oxides by Pâ€Benzylation. Angewandte Chemie - International Edition, 2021, 60, 27247-27252. | 13.8 | 51 |
| 11 | Modular and stereoselective synthesis of tetrasubstituted vinyl sulfides leading to a library of AIEgens. Nature Communications, 2021, 12, 7298. | 12.8 | 24 |
| 12 | Phosphine-catalyzed conjugate cyanation of Î²-trifluoromethyl enones: access to Î±-trifluoromethyl Î³-carbonyl nitriles. Organic Chemistry Frontiers, 2020, 7, 2644-2648. | 4.5 | 11 |
| 13 | Construction of Pâ€Chiral Alkenylphosphine Oxides through Highly Chemoâ€, Regioâ€, and Enantioselective Hydrophosphinylation of Alkynes. Angewandte Chemie, 2020, 132, 20826-20831. | 2.0 | 18 |
| 14 | Construction of Pâ€Chiral Alkenylphosphine Oxides through Highly Chemoâ€, Regioâ€, and Enantioselective Hydrophosphinylation of Alkynes. Angewandte Chemie - International Edition, 2020, 59, 20645-20650. | 13.8 | 79 |
| 15 | Gold-catalyzed intermolecular [4+1] spiroannulation via site-selective aromatic C(sp<sup>2</sup>)â€“H functionalization and dearomatization of phenol derivatives. Chemical Communications, 2020, 56, 8202-8205. | 4.1 | 30 |
| 16 | Synthesis of pyrazolo[1,5-c]quinazoline derivatives through the copper-catalyzed domino reaction of o-alkenyl aromatic isocyanides with diazo compounds. Chemical Communications, 2020, 56, 7665-7668. | 4.1 | 13 |
| 17 | Copper-Catalyzed Chemodivergent Cyclization of N-(ortho-alkynyl)aryl-Pyrrole and Indoles. Organic Letters, 2020, 22, 4511-4516. | 4.6 | 17 |
| 18 | Pd/Xiang-Phos-catalyzed enantioselective intermolecular carboheterofunctionalization under mild conditions. Chemical Science, 2020, 11, 6283-6288. | 7.4 | 34 |

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|---|---|---|---|
| 19 | Palladium-Catalyzed Intermolecular Heck-Type Dearomative [4 + 2] Annulation of 2H-Isoindole Derivatives with Internal Alkynes. Organic Letters, 2020, 22, 5063-5067. | 4.6 | 18 |
| 20 | Trifluoromethylation/Difluoromethylationâ€Initiated Radical Cyclization of oâ€Alkenyl Aromatic Isocyanides for Direct Construction of 4â€Cyanoâ€2â€Trifluoromethyl/Difluoromethylâ€Containing Quinolines. Advanced Synthesis and Catalysis, 2020, 362, 2274-2279. | 4.3 | 31 |
| 21 | Copper-catalysed ortho-selective Câ€“H bond functionalization of phenols and naphthols with Î±-aryl-Î±-diazoesters. Chemical Communications, 2020, 56, 9485-9488. | 4.1 | 42 |
| 22 | Mechanistic Insights into the Chemo- and Regio-Selective B(C6F5)3 Catalyzed Câ€“H Functionalization of Phenols with Diazoesters. Journal of Organic Chemistry, 2019, 84, 14508-14519. | 3.2 | 27 |
| 23 | Catalyst-Enabled Chemodivergent Construction of Alkynyl- and Vinyl-Substituted Diarylmethanes from p-Quinone Methides and Alkynes. Organic Letters, 2019, 21, 7539-7543. | 4.6 | 35 |
| 24 | Baseâ€Catalyzed 1,6â€Hydrophosphonylation of pâ€Quinone Methides with Diphenylphosphane Oxide/Phosphites. European Journal of Organic Chemistry, 2019, 2019, 3898-3907. | 2.4 | 17 |
| 25 | Ligand and counteranion enabled regiodivergent Câ€“H bond functionalization of naphthols with Î±-aryl-Î±-diazoesters. Chemical Science, 2019, 10, 6553-6559. | 7.4 | 73 |
| 26 | Asymmetric Phosphineâ€Catalyzed [4+1] Annulations of oâ€Quinone Methides with MBH Carbonates. Advanced Synthesis and Catalysis, 2018, 360, 4475-4479. | 4.3 | 49 |
| 27 | Phosphine-Catalyzed [3 + 2] Cycloaddition Reaction of Î±-Diazoacetates and Î²-Trifluoromethyl Enones: A Facile Access to Multisubstituted 4-(Trifluoromethyl)pyrazolines. Organic Letters, 2018, 20, 6444-6448. | 4.6 | 32 |
| 28 | Goldâ€Catalyzed Siteâ€Selective Câˆ'H Bond Functionalization with Diazo Compounds. Asian Journal of Organic Chemistry, 2018, 7, 2015-2025. | 2.7 | 52 |
| 29 | Highly paraâ€Selective Câˆ'H Alkylation of Benzene Derivatives with 2,2,2â€Trifluoroethyl Î±â€Arylâ€Î±â€Diazoesters. Angewandte Chemie - International Edition, 2017, 56, 2749-2753. | 13.8 | 109 |
| 30 | Highly paraâ€Selective Câˆ'H Alkylation of Benzene Derivatives with 2,2,2â€Trifluoroethyl Î±â€Arylâ€Î±â€Diazoesters. Angewandte Chemie, 2017, 129, 2793-2797. | 2.0 | 35 |
| 31 | Phosphine-catalyzed Friedelâ€“Crafts reaction of naphthols with para-quinone methides: expedient access to triarylmethanes. Organic and Biomolecular Chemistry, 2017, 15, 4941-4945. | 2.8 | 45 |
| 32 | Phosphine-Catalyzed Asymmetric Intermolecular Cross-Vinylogous Rauhutâ€“Currier Reactions of Vinyl Ketones with para-Quinone Methides. ACS Catalysis, 2017, 7, 2805-2809. | 11.2 | 144 |
| 33 | A One-Pot Construction of Halogenated Trifluoromethylated Pyrroles through NXS (X = Br, I) Triggered Cascade. Organic Letters, 2017, 19, 4968-4971. | 4.6 | 47 |
| 34 | Phosphine-Catalyzed Diastereo- and Enantioselective Michael Addition of Î²-Carbonyl Esters to Î²-Trifluoromethyl and Î²-Ester Enones: Enhanced Reactivity by Inorganic Base. Organic Letters, 2017, 19, 5102-5105. | 4.6 | 38 |
| 35 | Silverâ€Catalyzed Double Hydrocarbonation of 2â€Trifluoromethylâ€1,3â€Conjugated Enynes with 1,3â€Dicarbonyl Compounds: Synthesis of Ringâ€Trifluoromethylated Cyclopentene. Advanced Synthesis and Catalysis, 2017, 359, 3555-3559. | 4.3 | 12 |
| 36 | Gold-catalyzed para-selective Câ€“H bond alkylation of benzene derivatives with donor/acceptor-substituted diazo compounds. Chemical Communications, 2017, 53, 10164-10167. | 4.1 | 54 |

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|---|---|---|---|
| 37 | Development of Transition-Metal-Catalyzed C(sp<sup>2</sup>)-H Functionalization of Arenes with Diazo Compounds. Chinese Journal of Organic Chemistry, 2017, 37, 1117. | 1.3 | 28 |
| 38 | Triflic Acidâ€Catalyzed Enynes Cyclization: A New Strategy beyond Electrophilic Ïâ€Activation. Chemistry - A European Journal, 2016, 22, 8488-8492. | 3.3 | 14 |
| 39 | Enantioselective Synthesis of 4Hâ€Pyrans Through Organocatalytic Asymmetric Formal [3+3]â€‰Cycloadditions of 2â€(1â€Alkynyl)â€2â€alkenâ€1â€ones with Î²â€Keto Esters. Advanced Synthesis and Catalysis, 2016, 358, 3015-3020. | 4.3 | 23 |
| 40 | (C<sub>6</sub>F<sub>5</sub>)<sub>3</sub>B Catalyzed Chemoselective and orthoâ€Selective Substitution of Phenols with Î±â€Aryl Î±â€Diazoesters. Angewandte Chemie - International Edition, 2016, 55, 14807-14811. | 13.8 | 152 |
| 41 | Enantioselective gold-catalyzed intermolecular [2 + 2]-cycloadditions of 3-styrylindoles with N-allenyl oxazolidinone. Organic Chemistry Frontiers, 2016, 3, 759-763. | 4.5 | 70 |
| 42 | Gold-catalysed facile access to indene scaffolds via sequential Câ€“H functionalization and 5-endo-dig carbocyclization. Chemical Communications, 2016, 52, 9351-9354. | 4.1 | 77 |
| 43 | Gold-catalyzed transformations of Î±-diazocarbonyl compounds: selectivity and diversity. Chemical Society Reviews, 2016, 45, 506-516. | 38.1 | 402 |
| 44 | Alstorisine A, a nor-monoterpenoid indole alkaloid from cecidogenous leaves of Alstonia scholaris. Tetrahedron Letters, 2016, 57, 1754-1757. | 1.4 | 31 |
| 45 | Mechanistic Investigation of Aromatic C(sp<sup>2</sup>)â€“H and Alkyl C(sp<sup>3</sup>)â€“H Bond Insertion by Gold Carbenes. Journal of Physical Chemistry A, 2016, 120, 1925-1932. | 2.5 | 29 |
| 46 | Origins of unique gold-catalysed chemo- and site-selective Câ€“H functionalization of phenols with diazo compounds. Chemical Science, 2016, 7, 1988-1995. | 7.4 | 118 |
| 47 | Gold-catalyzed construction of two adjacent quaternary stereocenters via sequential Câ€“H functionalization and aldol annulation. Chemical Communications, 2016, 52, 2257-2260. | 4.1 | 75 |
| 48 | Oxa-Dielsâ€“Alder Reaction of Isatins and Acyclic Î±,Î²-Unsaturated Methyl Ketones through Cooperative Dienamine and Metal Lewis Acid Catalysis. Synthesis, 2014, 46, 1339-1347. | 2.3 | 7 |
| 49 | Product Selectivity Control in the Domino Cyclization of 2-(2-Alkynylarylidene)-1,3-dicarbonyl Compounds Catalyzed by Metal Lewis Acids. Synthesis, 2014, 46, 2133-2142. | 2.3 | 5 |
| 50 | Highly Site-Selective Direct Câ€“H Bond Functionalization of Phenols with Î±-Aryl-Î±-diazoacetates and Diazooxindoles via Gold Catalysis. Journal of the American Chemical Society, 2014, 136, 6904-6907. | 13.7 | 400 |
| 51 | Scandium-catalyzed tandem selective oxirane ring-opening/Friedelâ€“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. Organic and Biomolecular Chemistry, 2014, 12, 6869. | 2.8 | 19 |
| 52 | Arylamineâ€Catalyzed Enamine Formation: Cooperative Catalysis with Arylamines and Acids. Angewandte Chemie - International Edition, 2013, 52, 3663-3667. | 13.8 | 79 |
| 53 | Asymmetric Inverseâ€Electronâ€Demand Heteroâ€Dielsâ€“Alder Reaction of Sixâ€membered Cyclic Ketones: An Enamine/Metal Lewis Acid Bifunctional Approach. Angewandte Chemie - International Edition, 2011, 50, 3484-3488. | 13.8 | 110 |
| 54 | A Facile Route to Polysubstituted Naphthalenes and Benzofluorenols via Scandium Triflateâ€and Triflic Acidâ€Catalyzed Benzannulation of 2â€(2â€Alkynylarylidene)â€1,3â€Dicarbonyl Compounds. Advanced Synthesis and Catalysis, 2010, 352, 1920-1924. | 4.3 | 34 |

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|---|---|---|---|
| 55 | Oneâ€Pot Tandem Catalysis: A Concise Route to Fused Bicyclic Scaffolds from Acyclic Î²â€Ketoesters and Alkynyl Aldehydes. Chemistry - A European Journal, 2010, 16, 11813-11817. | 3.3 | 33 |
| 56 | Selectivity Control in Lewis Acid Catalyzed Regiodivergent Tandem Cationic Cyclization/Ring Expansion Terminated by Pinacol Rearrangement. Angewandte Chemie - International Edition, 2009, 48, 6093-6096. | 13.8 | 73 |
| 57 | Palladium/Xiaoâ€Phosâ€CatalyzedÂKinetic Resolution of secâ€Phosphine Oxides by Pâ€Benzylation. Angewandte Chemie, 0, , . | 2.0 | 11 |