

# Liang Hu

## List of Publications by Year in descending order

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25  
papers

1,070  
citations

361413

20  
h-index

580821

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g-index

32  
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32  
docs citations

32  
times ranked

975  
citing authors

#	ARTICLE	IF	CITATIONS
1	One-Step Synthesis of $\beta^2$ -Alkylidene- $\beta^3$ -lactones via Ligand-Enabled $\beta^2, \beta^3$ -Dehydrogenation of Aliphatic Acids. <i>Journal of the American Chemical Society</i> , 2022, 144, 12924-12933.	13.7	34
2	Ligand-controlled divergent dehydrogenative reactions of carboxylic acids via C-H activation. <i>Science</i> , 2021, 374, 1281-1285.	12.6	64
3	Pd <sup>II</sup> -Catalyzed Enantioselective C(sp <sup>3</sup> )-H Arylation of Cyclobutyl Ketones Using a Chiral Transient Directing Group. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9594-9600.	13.8	74
4	Pd <sup>II</sup> -Catalyzed Enantioselective C(sp <sup>3</sup> )-H Arylation of Cyclobutyl Ketones Using a Chiral Transient Directing Group. <i>Angewandte Chemie</i> , 2020, 132, 9681-9687.	2.0	14
5	Ammonia as Ultimate Amino Source in Synthesis of Primary Amines via Nickel-Promoted C-H Bond Amination. <i>Organic Letters</i> , 2019, 21, 5634-5638.	4.6	32
6	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
7	Modular, stereocontrolled C <sub>sp<sup>2</sup>-H/C<sub>sp<sup>3</sup>-H activation of alkyl carboxylic acids. <i>Proceedings of the National Academy of Sciences of the United States of America</i>, 2019, 116, 8721-8727.</sub></sub>	7.1	39
8	Pd <sup>II</sup> -Catalyzed Enantioselective C(sp <sup>3</sup> )-H Activation/Cross-Coupling Reactions of Free Carboxylic Acids. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2134-2138.	13.8	124
9	Direct Synthesis of Primary Anilines via Nickel-mediated C(sp <sup>2</sup> )-H Aminations. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1346-1351.	4.3	30
10	Synthesis of oxindoles via Cu-mediated reactions between N-phenylacrylamides and ethyl 2-bromo-2-methylpropionate. <i>Tetrahedron Letters</i> , 2018, 59, 612-616.	1.4	7
11	Highly mono-selective <i>ortho</i> -methylthiolation of benzamides <i>via</i> cobalt-catalyzed sp <sup>2</sup> -C-H activation. <i>Organic Chemistry Frontiers</i> , 2018, 5, 216-221.	4.5	49
12	Pd(II)-Catalyzed Enantioselective C(sp <sup>3</sup> )-H Activation/Cross-Coupling Reactions of Free Carboxylic Acids. <i>Angewandte Chemie</i> , 2018, 131, 2156.	2.0	34
13	Selective Synthesis of Aryl Nitriles and 3-Imino-1-oxoisoindolines via Nickel-Promoted C(sp <sup>2</sup> )-H Cyanations. <i>Organic Letters</i> , 2018, 20, 3206-3210.	4.6	20
14	Pd(II)-Catalyzed Enantioselective C(sp <sup>3</sup> )-H Arylation of Free Carboxylic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 6545-6549.	13.7	145
15	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
16	Copper-catalyzed decarboxylative methylthiolation of aromatic carboxylate salts with DMSO. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5674-5679.	2.8	27
17	Efficient syntheses of 3-hydroxyimino-1-isoindolinones and 3-methylene-1-isoindolinones via Cu-promoted C-H activation/nitroalkylation/intramolecular cyclization tandem processes. <i>Chemical Communications</i> , 2017, 53, 4597-4600.	4.1	21
18	Copper-mediated <i>ortho</i> -C-Arylation of Benzamides with Arylboronic Acid. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 509-514.	4.3	43

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19	Photocatalytic/Cu-Promoted C-H Activations: Visible-Light-Induced <i>ortho</i> -Selective Perfluoroalkylation of Benzamides. <i>Chemistry - A European Journal</i> , 2016, 22, 6218-6222.	3.3	43
20	Highly mono-selective <i>ortho</i> -trifluoromethylation of benzamides via 8-aminoquinoline assisted Cu-promoted C-H activations. <i>Chemical Communications</i> , 2016, 52, 6845-6848.	4.1	38
21	HOTf-Catalyzed, Solvent-Free Oxyarylation of Ynol Ethers and Thioethers. <i>Journal of Organic Chemistry</i> , 2016, 81, 4861-4868.	3.2	40
22	Cobalt-promoted selective arylation of benzamides and acrylamides with arylboronic acids. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 11070-11075.	2.8	48
23	Synthesis of Oxindoles via Iron-Mediated Hydrometallation-Cyclization of <i>N</i> -Arylacrylamides. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 870-874.	2.7	19
24	Stereoselective synthesis of vinylphosphonates and phosphine oxides via silver-catalyzed phosphorylation of styrenes. <i>Chemical Communications</i> , 2015, 51, 13922-13924.	4.1	68
25	A rapid and selective synthesis of $\alpha,\beta$ -fluorohalo esters via fluorohalogenative or difluorinative hydration of ynol ethers. <i>Chemical Communications</i> , 2015, 51, 16641-16644.	4.1	24