

# Chengwei Liu

## List of Publications by Year in descending order

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39  
papers

1,922  
citations

331259

21  
h-index

301761

39  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Twisted Amides: From Obscurity to Broadly Useful Transition-Metal-Catalyzed Reactions by N <sup>+</sup> C Amide Bond Activation. <i>Chemistry - A European Journal</i> , 2017, 23, 7157-7173.	1.7	278
2	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Cross-Coupling of Amide Derivatives. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12718-12722.	7.2	152
3	Decarbonylative cross-coupling of amides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7998-8010.	1.5	138
4	N-Acylsaccharins: Stable Electrophilic Amide-Based Acyl Transfer Reagents in Pd-Catalyzed Suzuki-Miyaura Coupling via N <sup>+</sup> C Cleavage. <i>Organic Letters</i> , 2016, 18, 4194-4197.	2.4	103
5	Palladium-Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16721-16726.	7.2	98
6	Decarbonylative thioetherification by nickel catalysis using air- and moisture-stable nickel precatalysts. <i>Chemical Communications</i> , 2018, 54, 2130-2133.	2.2	95
7	Acyl and Decarbonylative Suzuki Coupling of N-Acetyl Amides: Electronic Tuning of Twisted, Acyclic Amides in Catalytic Carbon-Nitrogen Bond Cleavage. <i>ACS Catalysis</i> , 2018, 8, 9131-9139.	5.5	91
8	N-Acylsaccharins as Amide-Based Arylating Reagents via Chemoselective N <sup>+</sup> C Cleavage: Pd-Catalyzed Decarbonylative Heck Reaction. <i>Journal of Organic Chemistry</i> , 2016, 81, 12023-12030.	1.7	87
9	Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling of N-Mesylamides by N <sup>+</sup> C Cleavage: Electronic Effect of the Mesyl Group. <i>Organic Letters</i> , 2017, 19, 1434-1437.	2.4	74
10	Chemoselective Ketone Synthesis by the Addition of Organometallics to N-Acylazetidines. <i>Organic Letters</i> , 2016, 18, 2375-2378.	2.4	73
11	Palladium-Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. <i>Angewandte Chemie</i> , 2018, 130, 16963-16968.	1.6	71
12	Synthesis of Biaryls via Decarbonylative Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling of Carboxylic Acids. <i>IScience</i> , 2019, 19, 749-759.	1.9	71
13	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via C=O/C-H Coupling. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10690-10699.	7.2	64
14	n-BuLi as a Highly Efficient Precatalyst for Hydrophosphonylation of Aldehydes and Unactivated Ketones. <i>Organic Letters</i> , 2014, 16, 6172-6175.	2.4	46
15	Highly-chemoselective step-down reduction of carboxylic acids to aromatic hydrocarbons via palladium catalysis. <i>Chemical Science</i> , 2019, 10, 5736-5742.	3.7	45
16	N-Acylsuccinimides: twist-controlled, acyl-transfer reagents in Suzuki-Miyaura cross-coupling by N <sup>+</sup> C amide bond activation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8867-8871.	1.5	43
17	Decarbonylative Phosphorylation of Carboxylic Acids via Redox-Neutral Palladium Catalysis. <i>Organic Letters</i> , 2019, 21, 9256-9261.	2.4	42
18	The Most Twisted Acyclic Amides: Structures and Reactivity. <i>Organic Letters</i> , 2018, 20, 7771-7774.	2.4	41

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19	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Cross-Coupling of Amide Derivatives. <i>Angewandte Chemie</i> , 2017, 129, 12892-12896.	1.6	37
20	Sterically Hindered Ketones via Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling of Amides by N <sup>o</sup> -C(O) Activation. <i>Organic Letters</i> , 2019, 21, 7976-7981.	2.4	27
21	Pd-Catalyzed Double-Decarbonylative Aryl Sulfide Synthesis through Aryl Exchange between Amides and Thioesters. <i>Organic Letters</i> , 2021, 23, 8098-8103.	2.4	27
22	N-Acyl-glutarimides: Effect of Glutarimide Ring on the Structures of Fully Perpendicular Twisted Amides and N <sup>o</sup> -C Bond Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2020, 85, 5475-5485.	1.7	21
23	Pentafluorophenyl Esters: Highly Chemoselective Ketyl Precursors for the Synthesis of $\beta,\beta$ -Dideuterio Alcohols Using $\text{Sml}_2$ and $\text{D}_2\text{O}$ as a Deuterium Source. <i>Organic Letters</i> , 2020, 22, 1249-1253.	2.4	20
24	Rh(I)-Catalyzed Intramolecular Decarbonylation of Thioesters. <i>Journal of Organic Chemistry</i> , 2021, 86, 10829-10837.	1.7	17
25	Decarbonylative sulfide synthesis from carboxylic acids and thioesters via cross-over S activation and acyl capture. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4805-4813.	2.3	17
26	General and practical intramolecular decarbonylative coupling of thioesters via palladium catalysis. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1587-1592.	2.3	16
27	Decarbonylative Sonogashira Cross-Coupling of Carboxylic Acids. <i>Organic Letters</i> , 2021, 23, 4726-4730.	2.4	15
28	Rh-Catalyzed Base-Free Decarbonylative Borylation of Twisted Amides. <i>Journal of Organic Chemistry</i> , 2020, 85, 15676-15685.	1.7	14
29	Lanthanide anilido complexes: synthesis, characterization, and use as highly efficient catalysts for hydrophosphonylation of aldehydes and unactivated ketones. <i>Dalton Transactions</i> , 2014, 43, 8355.	1.6	13
30	Twisted N-Acyl-hydantoins: Rotationally Inverted Urea-Imides of Relevance in N <sup>o</sup> -C(O) Cross-coupling. <i>Journal of Organic Chemistry</i> , 2018, 83, 14676-14682.	1.7	13
31	Conversion of esters to thioesters under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2991-2996.	1.5	13
32	Forging C-S Bonds Through Decarbonylation: New Perspectives for the Synthesis of Privileged Aryl Sulfides. <i>ChemCatChem</i> , 2021, 13, 4878-4881.	1.8	12
33	Syntheses of bimetallic rare-earth bis(cyclopentadienyl) derivatives supported by bridged bis(guanidinate) ligands and their catalytic property for the hydrophosphonylation of aldehydes. <i>Journal of Organometallic Chemistry</i> , 2016, 804, 59-65.	0.8	11
34	Decarbonylative Sonogashira cross-coupling: a fruitful marriage of alkynes with carboxylic acid electrophiles. <i>Organic Chemistry Frontiers</i> , 2021, 9, 216-222.	2.3	9
35	N-Acyl-5,5-Dimethylhydantoins: Mild Acyl-Transfer Reagents for the Synthesis of Ketones Using Pd <sup>o</sup> -PEPPSI or Pd/Phosphine Catalysts. <i>Organic Process Research and Development</i> , 2020, 24, 1043-1051.	1.3	7
36	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via O/C-H Coupling. <i>Angewandte Chemie</i> , 2021, 133, 10785-10794.	1.6	7

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37	Palladium-Catalyzed Decarbonylative Borylation of Aryl Anhydrides. <i>Journal of Organic Chemistry</i> , 2021, 86, 17445-17452.	1.7	7
38	Syntheses of bimetallic lanthanide bis(amido) complexes stabilized by bridged bis(guanidinate) ligands and their catalytic activity toward the hydrophosphonylation reaction of aldehydes and ketones. <i>Science China Chemistry</i> , 2015, 58, 1451-1460.	4.2	6
39	Frontispiece: Twisted Amides: From Obscurity to Broadly Useful Transition-Metal-Catalyzed Reactions by N <sup>+</sup> -C Amide Bond Activation. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	1