Chengwei Liu

List of Publications by Year
in descending order

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	General and practical intramolecular decarbonylative coupling of thioesters <i>via</i> palladium catalysis. Organic Chemistry Frontiers, 2021, 8, 1587-1592.	2.3	16
2	Conversion of esters to thioesters under mild conditions. Organic and Biomolecular Chemistry, 2021, 19, 2991-2996.	1.5	13
3	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via Câ€O/Câ€H Coupling. Angewandte Chemie - International Edition, 2021, 60, 10690-10699.	7.2	64
4	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via Câ€O/Câ€H Coupling. Angewandte Chemie, 2021, 133, 10785-10794.	1.6	7
5	Decarbonylative Sonogashira Cross-Coupling of Carboxylic Acids. Organic Letters, 2021, 23, 4726-4730.	2.4	15
6	Rh(I)-Catalyzed Intramolecular Decarbonylation of Thioesters. Journal of Organic Chemistry, 2021, 86, 10829-10837.	1.7	17
7	Forging Câ˒S Bonds Through Decarbonylation: New Perspectives for the Synthesis of Privileged Aryl Sulfides. ChemCatChem, 2021, 13, 4878-4881.	1.8	12
8	Decarbonylative sulfide synthesis from carboxylic acids and thioesters <i>via</i> cross-over Câ€“S activation and acyl capture. Organic Chemistry Frontiers, 2021, 8, 4805-4813.	2.3	17
9	Pd-Catalyzed Double-Decarbonylative Aryl Sulfide Synthesis through Aryl Exchange between Amides and Thioesters. Organic Letters, 2021, 23, 8098-8103.	2.4	27
10	Palladium-Catalyzed Decarbonylative Borylation of Aryl Anhydrides. Journal of Organic Chemistry, 2021, 86, 17445-17452.	1.7	7
11	Decarbonylative Sonogashira cross-coupling: a fruitful marriage of alkynes with carboxylic acid electrophiles. Organic Chemistry Frontiers, 2021, 9, 216-222.	2.3	9
12	Pentafluorophenyl Esters: Highly Chemoselective Ketyl Precursors for the Synthesis of Î±,Î±-Dideuterio Alcohols Using SmI₂ and D₂O as a Deuterium Source. Organic Letters, 2020, 22, 1249-1253.	2.4	20
13	Rh-Catalyzed Base-Free Decarbonylative Borylation of Twisted Amides. Journal of Organic Chemistry, 2020, 85, 15676-15685.	1.7	14
14	<i>N</i>-Acyl-glutarimides: Effect of Glutarimide Ring on the Structures of Fully Perpendicular Twisted Amides and Nâ€“C Bond Cross-Coupling. Journal of Organic Chemistry, 2020, 85, 5475-5485.	1.7	21
15	<i>N</i>-Acyl-5,5-Dimethylhydantoins: Mild Acyl-Transfer Reagents for the Synthesis of Ketones Using Pdâ€“PEPPSI or Pd/Phosphine Catalysts. Organic Process Research and Development, 2020, 24, 1043-1051.	1.3	7
16	Decarbonylative Phosphorylation of Carboxylic Acids via Redox-Neutral Palladium Catalysis. Organic Letters, 2019, 21, 9256-9261.	2.4	42
17	Synthesis of Biaryls via Decarbonylative Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling of Carboxylic Acids. IScience, 2019, 19, 749-759.	1.9	71
18	Sterically Hindered Ketones via Palladium-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Amides by Nâ€“C(O) Activation. Organic Letters, 2019, 21, 7976-7981.	2.4	27

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19	Highly-chemoselective step-down reduction of carboxylic acids to aromatic hydrocarbons <i>via</i> palladium catalysis. Chemical Science, 2019, 10, 5736-5742.	3.7	45
20	Decarbonylative thioetherification by nickel catalysis using air- and moisture-stable nickel precatalysts. Chemical Communications, 2018, 54, 2130-2133.	2.2	95
21	Decarbonylative cross-coupling of amides. Organic and Biomolecular Chemistry, 2018, 16, 7998-8010.	1.5	138
22	The Most Twisted Acyclic Amides: Structures and Reactivity. Organic Letters, 2018, 20, 7771-7774.	2.4	41
23	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie - International Edition, 2018, 57, 16721-16726.	7.2	98
24	Twisted <i>N</i>-Acyl-hydantoins: Rotationally Inverted Urea-Imides of Relevance in Nâ€“C(O) Cross-coupling. Journal of Organic Chemistry, 2018, 83, 14676-14682.	1.7	13
25	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie, 2018, 130, 16963-16968.	1.6	71
26	Acyl and Decarbonylative Suzuki Coupling of <i>N</i>-Acetyl Amides: Electronic Tuning of Twisted, Acyclic Amides in Catalytic Carbonâ€“Nitrogen Bond Cleavage. ACS Catalysis, 2018, 8, 9131-9139.	5.5	91
27	Palladium-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of N-Mesylamides by Nâ€“C Cleavage: Electronic Effect of the Mesyl Group. Organic Letters, 2017, 19, 1434-1437.	2.4	74
28	Frontispiece: Twisted Amides: From Obscurity to Broadly Useful Transitionâ€Metalâ€Catalyzed Reactions by Nâ^'C Amide Bond Activation. Chemistry - A European Journal, 2017, 23, .	1.7	1
29	N-Acylsuccinimides: twist-controlled, acyl-transfer reagents in Suzukiâ€“Miyaura cross-coupling by Nâ€“C amide bond activation. Organic and Biomolecular Chemistry, 2017, 15, 8867-8871.	1.5	43
30	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Crossâ€Coupling of Amide Derivatives. Angewandte Chemie, 2017, 129, 12892-12896.	1.6	37
31	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Crossâ€Coupling of Amide Derivatives. Angewandte Chemie - International Edition, 2017, 56, 12718-12722.	7.2	152
32	Twisted Amides: From Obscurity to Broadly Useful Transitionâ€Metalâ€Catalyzed Reactions by Nâ^'C Amide Bond Activation. Chemistry - A European Journal, 2017, 23, 7157-7173.	1.7	278
33	Chemoselective Ketone Synthesis by the Addition of Organometallics to <i>N</i>-Acylazetidines. Organic Letters, 2016, 18, 2375-2378.	2.4	73
34	<i>N</i>-Acylsaccharins: Stable Electrophilic Amide-Based Acyl Transfer Reagents in Pd-Catalyzed Suzukiâ€“Miyaura Coupling via Nâ€“C Cleavage. Organic Letters, 2016, 18, 4194-4197.	2.4	103
35	<i>N</i>-Acylsaccharins as Amide-Based Arylating Reagents via Chemoselective Nâ€“C Cleavage: Pd-Catalyzed Decarbonylative Heck Reaction. Journal of Organic Chemistry, 2016, 81, 12023-12030.	1.7	87
36	Syntheses of bimetallic rare-earth bis(cyclopentadienyl) derivatives supported by bridged bis(guanidinate) ligands and their catalytic property for the hydrophosphonylation of aldehydes. Journal of Organometallic Chemistry, 2016, 804, 59-65.	0.8	11

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37	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. Science China Chemistry, 2015, 58, 1451-1460.	4.2	6
38	<i>n</i>-BuLi as a Highly Efficient Precatalyst for Hydrophosphonylation of Aldehydes and Unactivated Ketones. Organic Letters, 2014, 16, 6172-6175.	2.4	46
39	Lanthanide anilido complexes: synthesis, characterization, and use as highly efficient catalysts for hydrophosphonylation of aldehydes and unactivated ketones. Dalton Transactions, 2014, 43, 8355.	1.6	13