Chengwei Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7802135/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	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.	3.3	278
2	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Cross oupling of Amide Derivatives. Angewandte Chemie - International Edition, 2017, 56, 12718-12722.	13.8	152
3	Decarbonylative cross-coupling of amides. Organic and Biomolecular Chemistry, 2018, 16, 7998-8010.	2.8	138
4	<i>N</i> -Acylsaccharins: Stable Electrophilic Amide-Based Acyl Transfer Reagents in Pd-Catalyzed Suzuki–Miyaura Coupling via N–C Cleavage. Organic Letters, 2016, 18, 4194-4197.	4.6	103
5	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie - International Edition, 2018, 57, 16721-16726.	13.8	98
6	Decarbonylative thioetherification by nickel catalysis using air- and moisture-stable nickel precatalysts. Chemical Communications, 2018, 54, 2130-2133.	4.1	95
7	Acyl and Decarbonylative Suzuki Coupling of <i>N</i> -Acetyl Amides: Electronic Tuning of Twisted, Acyclic Amides in Catalytic Carbon–Nitrogen Bond Cleavage. ACS Catalysis, 2018, 8, 9131-9139.	11.2	91
8	<i>N</i> -Acylsaccharins as Amide-Based Arylating Reagents via Chemoselective N–C Cleavage: Pd-Catalyzed Decarbonylative Heck Reaction. Journal of Organic Chemistry, 2016, 81, 12023-12030.	3.2	87
9	Palladium-Catalyzed Suzuki–Miyaura Cross-Coupling of N-Mesylamides by N–C Cleavage: Electronic Effect of the Mesyl Group. Organic Letters, 2017, 19, 1434-1437.	4.6	74
10	Chemoselective Ketone Synthesis by the Addition of Organometallics to <i>N</i> -Acylazetidines. Organic Letters, 2016, 18, 2375-2378.	4.6	73
11	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie, 2018, 130, 16963-16968.	2.0	71
12	Synthesis of Biaryls via Decarbonylative Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling of Carboxylic Acids. IScience, 2019, 19, 749-759.	4.1	71
13	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via Câ€O/Câ€H Coupling. Angewandte Chemie - International Edition, 2021, 60, 10690-10699.	13.8	64
14	<i>n</i> -BuLi as a Highly Efficient Precatalyst for Hydrophosphonylation of Aldehydes and Unactivated Ketones. Organic Letters, 2014, 16, 6172-6175.	4.6	46
15	Highly-chemoselective step-down reduction of carboxylic acids to aromatic hydrocarbons <i>via</i> palladium catalysis. Chemical Science, 2019, 10, 5736-5742.	7.4	45
16	N-Acylsuccinimides: twist-controlled, acyl-transfer reagents in Suzuki–Miyaura cross-coupling by N–C amide bond activation. Organic and Biomolecular Chemistry, 2017, 15, 8867-8871.	2.8	43
17	Decarbonylative Phosphorylation of Carboxylic Acids via Redox-Neutral Palladium Catalysis. Organic Letters, 2019, 21, 9256-9261.	4.6	42
18	The Most Twisted Acyclic Amides: Structures and Reactivity. Organic Letters, 2018, 20, 7771-7774.	4.6	41

Chengwei Liu

#	Article	IF	CITATIONS
19	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Cross oupling of Amide Derivatives. Angewandte Chemie, 2017, 129, 12892-12896.	2.0	37
20	Sterically Hindered Ketones via Palladium-Catalyzed Suzuki–Miyaura Cross-Coupling of Amides by N–C(O) Activation. Organic Letters, 2019, 21, 7976-7981.	4.6	27
21	Pd-Catalyzed Double-Decarbonylative Aryl Sulfide Synthesis through Aryl Exchange between Amides and Thioesters. Organic Letters, 2021, 23, 8098-8103.	4.6	27
22	<i>N</i> -Acyl-glutarimides: Effect of Glutarimide Ring on the Structures of Fully Perpendicular Twisted Amides and N–C Bond Cross-Coupling. Journal of Organic Chemistry, 2020, 85, 5475-5485.	3.2	21
23	Pentafluorophenyl Esters: Highly Chemoselective Ketyl Precursors for the Synthesis of α,α-Dideuterio Alcohols Using SmI ₂ and D ₂ O as a Deuterium Source. Organic Letters, 2020, 22, 1249-1253.	4.6	20
24	Rh(I)-Catalyzed Intramolecular Decarbonylation of Thioesters. Journal of Organic Chemistry, 2021, 86, 10829-10837.	3.2	17
25	Decarbonylative sulfide synthesis from carboxylic acids and thioesters <i>via</i> cross-over C–S activation and acyl capture. Organic Chemistry Frontiers, 2021, 8, 4805-4813.	4.5	17
26	General and practical intramolecular decarbonylative coupling of thioesters <i>via</i> palladium catalysis. Organic Chemistry Frontiers, 2021, 8, 1587-1592.	4.5	16
27	Decarbonylative Sonogashira Cross-Coupling of Carboxylic Acids. Organic Letters, 2021, 23, 4726-4730.	4.6	15
28	Rh-Catalyzed Base-Free Decarbonylative Borylation of Twisted Amides. Journal of Organic Chemistry, 2020, 85, 15676-15685.	3.2	14
29	Lanthanide anilido complexes: synthesis, characterization, and use as highly efficient catalysts for hydrophosphonylation of aldehydes and unactivated ketones. Dalton Transactions, 2014, 43, 8355.	3.3	13
30	Twisted <i>N</i> -Acyl-hydantoins: Rotationally Inverted Urea-Imides of Relevance in N–C(O) Cross-coupling. Journal of Organic Chemistry, 2018, 83, 14676-14682.	3.2	13
31	Conversion of esters to thioesters under mild conditions. Organic and Biomolecular Chemistry, 2021, 19, 2991-2996.	2.8	13
32	Forging Câ^'S Bonds Through Decarbonylation: New Perspectives for the Synthesis of Privileged Aryl Sulfides. ChemCatChem, 2021, 13, 4878-4881.	3.7	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. Journal of Organometallic Chemistry, 2016, 804, 59-65.	1.8	11
34	Decarbonylative Sonogashira cross-coupling: a fruitful marriage of alkynes with carboxylic acid electrophiles. Organic Chemistry Frontiers, 2021, 9, 216-222.	4.5	9
35	<i>N</i> -Acyl-5,5-Dimethylhydantoins: Mild Acyl-Transfer Reagents for the Synthesis of Ketones Using Pd–PEPPSI or Pd/Phosphine Catalysts. Organic Process Research and Development, 2020, 24, 1043-1051.	2.7	7
36	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via Câ€O/Câ€H Coupling. Angewandte Chemie, 2021, 133, 10785-10794.	2.0	7

#	ARTICLE	IF	CITATIONS
37	Palladium-Catalyzed Decarbonylative Borylation of Aryl Anhydrides. Journal of Organic Chemistry, 2021, 86, 17445-17452.	3.2	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. Science China Chemistry, 2015, 58, 1451-1460.	8.2	6
39	Frontispiece: Twisted Amides: From Obscurity to Broadly Useful Transitionâ€Metalâ€Catalyzed Reactions by Nâ^'C Amide Bond Activation. Chemistry - A European Journal, 2017, 23, .	3.3	1