

JosÃ©-Antonio GarcÃ­a-LÃ³pez

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis of biaryls using aryne intermediates. <i>Chemical Society Reviews</i> , 2016, 45, 6766-6798.	18.7	229
2	Trapping η^5 -Alkyl η^1 -Palladium(II) Intermediates with Arynes Encompassing Intramolecular C-H Activation: Spirobiaryls through Pd-Catalyzed Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14389-14393.	7.2	116
3	Synthesis of spiro-oxindoles through Pd-catalyzed remote C-H alkylation using η^5 -diazocarbonyl compounds. <i>Chemical Communications</i> , 2017, 53, 2842-2845.	2.2	94
4	Ruthenium-Catalyzed Cascade C-H Functionalization of Phenylacetophenones. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1529-1533.	7.2	90
5	Double Heteroatom Functionalization of Arenes Using Benzyne Three-Component Coupling. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2156-2159.	7.2	85
6	Insertion of Isocyanides, Isothiocyanates, and Carbon Monoxide into the Pd-C Bond of Cyclopalladated Complexes Containing Primary Arylalkylamines of Biological and Pharmaceutical Significance. Synthesis of Lactams and Cyclic Amidinium Salts Related to the Isoquinoline, Benzo[<i>a</i>]isoquinoline, and β -Carboline Nuclei. <i>Organometallics</i> , 2009, 28, 448-464.	1.1	83
7	Ortho Palladation and Functionalization of α -Phenylalanine Methyl Ester. <i>Organometallics</i> , 2007, 26, 2768-2776.	1.1	76
8	Use of 2-Bromophenylboronic Esters as Benzyne Precursors in the Pd-Catalyzed Synthesis of Triphenylenes. <i>Organic Letters</i> , 2014, 16, 2338-2341.	2.4	73
9	η^5 -Alkyl η^1 -Pd ^{II} Species for Remote C-H Functionalization. <i>ChemCatChem</i> , 2017, 9, 1149-1156.	1.8	70
10	Exploring the mechanism of the Pd-catalyzed spirocyclization reaction: a combined DFT and experimental study. <i>Chemical Science</i> , 2018, 9, 1496-1509.	3.7	62
11	Synthesis and Reactivity of Model Intermediates Proposed for the Pd-Catalyzed Remote C-H Functionalization of <i>N</i> -(2-Haloaryl)acrylamides. <i>Organometallics</i> , 2017, 36, 4465-4476.	1.1	44
12	Eight-Membered Palladacycles Derived from the Insertion of Olefins into the Pd-C Bond of Ortho-Palladated Pharmaceuticals Phenethylamine and Phentermine. Synthesis of Stable Heck-Type Intermediates Containing Accessible β -Hydrogens and Its Use in the Synthesis of 2-Styrylphenethylamines, Tetrahydroisoquinolines, and Eight-Membered Cyclic Amidines. <i>Organometallics</i> , 2010, 29, 4320-4338.	1.1	38
13	Ortho Palladation of the Phenethylamines of Biological Relevance α -Tyrosine Methyl Ester and Homoveratrylamine. Reactivity of the Palladacycles toward CO and Isocyanides. Synthesis of the Natural Alkaloid Corydaldine. <i>Organometallics</i> , 2012, 31, 3647-3660.	1.1	38
14	Insertion Reactions on Carbopalladated Benzyne: From Eight- to Nine- and Ten-Membered Palladacycles. Applications to the Synthesis of N-Heterocycles. <i>Organometallics</i> , 2014, 33, 6420-6430.	1.1	31
15	Trapping η^5 -Alkyl η^1 -Palladium(II) Intermediates with Arynes Encompassing Intramolecular C-H Activation: Spirobiaryls through Pd-Catalyzed Cascade Reactions. <i>Angewandte Chemie</i> , 2016, 128, 14601-14605.	1.6	31
16	Reactivity toward CO of Eight-Membered Palladacycles Derived from the Insertion of Alkenes into the Pd-C Bond of Cyclopalladated Primary Arylalkylamines of Pharmaceutical Interest. Synthesis of Tetrahydrobenzazocinones, Ortho-Functionalized Phenethylamines, Ureas, and an Isocyanate. <i>Organometallics</i> , 2012, 31, 6351-6364.	1.1	29
17	Insertion of benzyne into the Pd-C bond. Synthesis of unnatural amino acid derivatives by sequential insertion of benzyne and CO: 2,2 α -functionalized biaryls containing alkylamino and carboxymethyl substituents. Isolation of stable carbopalladated-benzyne intermediates. <i>Chemical Communications</i> , 2012, 48, 6744.	2.2	28
18	A New Method for High-Yield Cyclopalladation of Primary and Secondary Amines. Atom-Efficient Open-to-Air Inexpensive Synthesis of Buchwald-Type Precatalysts. <i>Organometallics</i> , 2011, 30, 4624-4631.	1.1	26

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19	Synthesis of Hindered Biaryls via Aryne Addition and <i>in Situ</i> Dimerization. <i>Organic Letters</i> , 2015, 17, 2649-2651.	2.4	23
20	Tandem Remote Csp ³ -H Activation/Csp ³ -Csp ³ Cleavage in Unstrained Aliphatic Chains Assisted by Palladium(II). <i>Organometallics</i> , 2019, 38, 973-980.	1.1	20
21	Insertion of Allenes into the Pd-C Bond of Ortho-Palladated Primary Arylamines of Biological Relevance: Phenethylamine, Phentermine, (l)-Phenylalanine Methyl Ester, and (l)-Tryptophan Methyl Ester. Synthesis of Tetrahydro-3-benzazepines and Their Salts. <i>Organometallics</i> , 2012, 31, 8333-8347.	1.1	19
22	Room-Temperature Isolation of Palladium(II) Organocarbonyl Intermediates in the Synthesis of Eight-Membered Lactams after Alkyne/CO Sequential Insertions. <i>Organometallics</i> , 2013, 32, 1094-1105.	1.1	19
23	Reactivity toward Neutral N- and P-Donor Ligands of Eight-Membered Palladacycles Arising from Monoinsertion of Alkynes into the Pd-C Bond of Orthopalladated Homoveratrylamine and Phentermine. A New Example of the Transphobia Effect. <i>Organometallics</i> , 2014, 33, 33-39.	1.1	19
24	2-Arylacetamides as Versatile Precursors for 3-Aminoisocoumarin and Homophthalimide Derivatives: Palladium-Catalyzed Cascade Double Carbonylation Reactions. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2692-2700.	2.1	19
25	Recent Advances on Synthetic Methodology Merging C-H Functionalization and C-C Cleavage. <i>Molecules</i> , 2020, 25, 5900.	1.7	17
26	Reactivity of Eight-Membered Palladacycles Arising from Monoinsertion of Alkynes into the Pd-C bond of Ortho-Palladated Phenethylamines toward Unsaturated Molecules. Synthesis of Dihydro-3-Benzazocinones, N ⁷ -amino Acids, N ⁷ -amino Esters, and 3-Benzazepines. <i>Organometallics</i> , 2014, 33, 19-32.	1.1	16
27	Pd-catalyzed cascade reactions involving skipped dienes: from double carbopalladation to remote C-C cleavage. <i>Chemical Communications</i> , 2019, 55, 10281-10284.	2.2	12
28	Chasing <i>in situ</i> , <i>in situ</i> -Palladacycles. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3655-3683.	1.0	9
29	Palladium-Mediated Functionalization of Benzofuran and Benzothiophene Cores. <i>Organometallics</i> , 2018, 37, 4648-4663.	1.1	8
30	Synthesis of [3.4]-Spirooxindoles through Cascade Carbopalladation of Skipped Dienes. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 1899-1904.	2.1	6
31	Norbornadiene as a Building Block for the Synthesis of Linked Benzazocinones and Benzazocinium Salts through Tetranuclear Carbopalladated Intermediates. <i>Organometallics</i> , 2017, 36, 372-383.	1.1	5
32	Sequential Insertion of Alkynes, Alkenes, and CO into the Pd-C Bond of <i>ortho</i> -Palladated Primary Phenethylamines: from <i>ortho</i> -Allyl Complexes and Enlarged Palladacycles to Functionalized Arylalkylamines. <i>Organometallics</i> , 2021, 40, 539-556.	1.1	5
33	Synthesis of Benzofused <i>ortho</i> - and <i>ortho</i> -Heterocycles through Cascade Carbopalladation/Cross-Alkylation of Alkynes Involving the C-C Cleavage of Cyclobutanols. <i>Organometallics</i> , 2022, 41, 649-658.	1.1	5
34	Fe ₃ O ₄ @SAHPC@Pd ₀ nanoparticles: A ligand-free and low Pd loading quasiheterogeneous catalyst active for mild Suzuki-Miyaura coupling and C-H activation of pyrimidine cores. <i>Applied Organometallic Chemistry</i> , 2021, 35, .	1.7	4