

# Anna Pla-Quintana

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

2,022

citations

23

h-index

44

g-index

92

ext. papers

2,263

ext. citations

7

avg, IF

5.03

L-index

#	Paper	IF	Citations
62	Synthesis of Fused Dihydroazepine Derivatives of Fullerenes by a Rh-Catalyzed Cascade Process. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 3835-3844	5.6	3
61	Mechanistic Studies of Transition-Metal-Catalyzed [2 + 2 + 2] Cycloaddition Reactions. <i>Chemical Reviews</i> , <b>2021</b> , 121, 1894-1979	68.1	49
60	Effects of Axial Solvent Coordination to Dirhodium Complexes on the Reactivity and Selectivity in C≡C Insertion Reactions: A Computational Study. <i>Organometallics</i> , <b>2021</b> , 40, 4120-4132	3.8	1
59	Enhanced Open-Circuit Voltage in Perovskite Solar Cells with Open-Cage [60]Fullerene Derivatives as Electron-Transporting Materials. <i>Materials</i> , <b>2019</b> , 12,	3.5	8
58	A Rh-Catalyzed Cycloisomerization/Diels-Alder Cascade Reaction of 1,5-Bisallenes for the Synthesis of Polycyclic Heterocycles. <i>Organic Letters</i> , <b>2019</b> , 21, 6608-6613	6.2	12
57	Examining the Factors That Govern the Regioselectivity in Rhodium-Catalyzed Alkyne Cyclotrimerization. <i>Organometallics</i> , <b>2019</b> , 38, 2853-2862	3.8	19
56	Expeditious Preparation of Open-Cage Fullerenes by Rhodium(I)-Catalyzed [2+2+2] Cycloaddition of Diynes and C60: An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 10561-10561	4.8	19
55	Expeditious Preparation of Open-Cage Fullerenes by Rhodium(I)-Catalyzed [2+2+2] Cycloaddition of Diynes and C : An Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 10653-10661	4.8	19
54	Chiral Induction in [2+2+2] Cycloaddition Reactions. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1706-1718	3.8	24
53	Chiral Induction in Intramolecular Rhodium-Catalyzed [2+2+2] Cycloadditions of Optically Active Allene/Ene/Yne/Allene Substrates. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 506-512	5.6	7
52	A Computational Study of the Intermolecular [2+2+2] Cycloaddition of Acetylene and C Catalyzed by Wilkinson's Catalyst. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 15067-15072	4.8	7
51	Rhodium-Catalyzed [2+2+2] Cycloaddition Reactions of Linear Allene-Ene-Ynes to afford Fused Tricyclic Scaffolds: Insights into the Mechanism. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 14889-14899	4.8	13
50	Unusual reactivity of rhodium carbenes with allenes: an efficient asymmetric synthesis of methylenetetrahydropyran scaffolds. <i>Chemical Communications</i> , <b>2017</b> , 53, 9922-9925	5.8	7
49	The rich reactivity of transition metal carbenes with alkynes. <i>Tetrahedron Letters</i> , <b>2016</b> , 57, 3881-3891	2	33
48	An Enantioselective Cascade Cyclopropanation Reaction Catalyzed by Rhodium(I): Asymmetric Synthesis of Vinylcyclopropanes. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 3512-3516	5.6	16
47	Rhodium-Catalyzed [2+2+2] Cycloadditions of Diynes with Morita-Baylis-Hillman Adducts: A Stereoselective Entry to Densely Functionalized Cyclohexadiene Scaffolds. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 1848-1853	5.6	6
46	Allenes, versatile unsaturated motifs in transition-metal-catalysed [2+2+2] cycloaddition reactions. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2010-23	58.5	76

45	Dehydrogenative [2 + 2 + 2] Cycloaddition of Cyano-yne-allene Substrates: Convenient Access to 2,6-Naphthyridine Scaffolds. <i>Organic Letters</i> , <b>2015</b> , 17, 2882-5	6.2	29
44	Enantioselective Rhodium(I) Donor Carbenoid-Mediated Cascade Triggered by a Base-Free Decomposition of Arylsulfonyl Hydrazones. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 16240-5	4.8	31
43	Stereoselective rhodium-catalysed [2+2+2] cycloaddition of linear allene-ene/yne-allene substrates: reactivity and theoretical mechanistic studies. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5034-45	4.8	30
42	A new mild synthetic route to N-arylated pyridazinones from aryldiazonium salts. <i>Chemical Communications</i> , <b>2014</b> , 50, 8073-6	5.8	4
41	Rhodium-NHC Hybrid Silica Materials as Recyclable Catalysts for [2+2+2] Cycloaddition Reactions of Alkynes. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 6242-6251	3.2	16
40	Computational insight into Wilkinson's complex catalyzed [2 + 2 + 2] cycloaddition mechanism leading to pyridine formation. <i>Journal of Organometallic Chemistry</i> , <b>2014</b> , 768, 15-22	2.3	12
39	Diversified Strategies for the Synthesis of Bifunctional Dendrimeric Structures. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 5414-5422	3.2	15
38	A simple catalytic system based on PdCl <sub>2</sub> (CH <sub>3</sub> CN) <sub>2</sub> in water for cross-coupling reactions using diazonium salts. <i>Tetrahedron</i> , <b>2013</b> , 69, 9761-9765	2.4	22
37	Nickel(0) Complexes of Acyclic Polyunsaturated Aza Ligands. <i>Organometallics</i> , <b>2013</b> , 32, 1710-1720	3.8	5
36	Dendritic phosphoramidite ligands for Rh-catalyzed [2+2+2] cycloaddition reactions: unprecedented enhancement of enantiodiscrimination. <i>Chemical Communications</i> , <b>2012</b> , 48, 9248-50	5.8	40
35	Nickel(0) Complexes of Polyunsaturated Azamacrocyclic Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 1983-1990	3.8	9
34	Rhodium(I)-Catalyzed [2 + 2 + 2] Cycloaddition Reactions of Triacetylenic 15-Membered Aza Macrocycles: A Comparative Structural Study. <i>Organometallics</i> , <b>2012</b> , 31, 318-326	3.8	10
33	Direct detection of key intermediates in rhodium(I)-catalyzed [2+2+2] cycloadditions of alkynes by ESI-MS. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 13097-107	4.8	32
32	Functionalization of the 3-Position of Thiophene and Benzo[b]thiophene Moieties by Palladium-Catalyzed C-C Bond Forming Reactions using Diazonium Salts. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 2003-2012	5.6	23
31	Intramolecular [2+2+2] cycloaddition reactions of yne-ene-yne and yne-yne-ene enediynes catalysed by Rh(I): experimental and theoretical mechanistic studies. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 14493-507	4.8	25
30	[2+2+2] cycloaddition reactions of macrocyclic systems catalyzed by transition metals. A review. <i>Molecules</i> , <b>2010</b> , 15, 9230-51	4.8	52
29	Ene reactions between two alkynes? Doors open to thermally induced cycloisomerization of macrocyclic triynes and enediynes. <i>Chemical Communications</i> , <b>2010</b> , 46, 2944-6	5.8	20
28	Cooperative TPA enhancement via through-space interactions in organic nanodots built from dipolar chromophores <b>2010</b> ,		3

27	Chiral N-phosphino sulfinamide ligands in rhodium(I)-catalyzed [2+2+2] cycloaddition reactions. <i>Tetrahedron</i> , <b>2010</b> , 66, 9032-9040	2.4	36
26	Microwave-Enhanced Rhodium-Catalyzed [2+2+2] Cycloaddition Reactions To Afford Highly Functionalized Pyridines and Bipyridines. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 3407-3415	3.2	29
25	Palladium Intermediates in Solution <b>2010</b> , 229-275		3
24	Rhodium N-Heterocyclic Carbene Complexes as Effective Catalysts for [2+2+2]-Cycloaddition Reactions. <i>Synlett</i> , <b>2009</b> , 2009, 2844-2848	2.2	4
23	Cooperative two-photon absorption enhancement by through-space interactions in multichromophoric compounds. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 8691-4	16.4	63
22	IR spectroscopy investigation using DFT analysis on the structure of P(1) phosphorus dendrimer built from octasubstituted metal-free phthalocyanine core. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 72, 636-42	4.4	1
21	Rates and Mechanism of Rhodium-Catalyzed [2+2+2] Cycloaddition of Bisalkynes and a Monoalkyne. <i>Organometallics</i> , <b>2009</b> , 28, 6036-6043	3.8	23
20	Synthesis of non-proteinogenic phenylalanine derivatives by rhodium-catalyzed [2+2+2] cycloaddition reactions. <i>Organic and Biomolecular Chemistry</i> , <b>2009</b> , 7, 5020-7	3.9	14
19	Customized multiphotonics nanotools for bioapplications: soft organic nanodots as an eco-friendly alternative to quantum dots <b>2009</b> ,		4
18	Cationic and fluorescent "Janus" dendrimers. <i>Organic Letters</i> , <b>2008</b> , 10, 4751-4	6.2	63
17	Fused tetracycles with a benzene or cyclohexadiene core: [2 + 2 + 2] cycloadditions on macrocyclic systems. <i>Chemical Communications</i> , <b>2008</b> , 4339-41	5.8	27
16	Structural Differences between Open-Chain and Macrocyclic Triene Ligands for Palladium(0): Influence on the Stability and Catalytical Properties. <i>Organometallics</i> , <b>2008</b> , 27, 5768-5776	3.8	6
15	Brilliant organic nanodots: novel nano-objects for bionanophotonics <b>2008</b> ,		9
14	Organic nanodots for multiphotonics: synthesis and photophysical studies. <i>New Journal of Chemistry</i> , <b>2007</b> , 31, 1354	3.6	59
13	Metallated Phthalocyanines as the Core of Dendrimers [Synthesis and Spectroscopic Studies. <i>European Journal of Inorganic Chemistry</i> , <b>2007</b> , 2007, 2890-2896	2.3	24
12	Synthesis and structure of a chiral dinuclear palladium(0) complex with a 30-membered hexaolefinic macrocyclic ligand. <i>Journal of Organometallic Chemistry</i> , <b>2007</b> , 692, 2997-3004	2.3	2
11	Diazonium salts as substrates in palladium-catalyzed cross-coupling reactions. <i>Chemical Reviews</i> , <b>2006</b> , 106, 4622-43	68.1	649
10	Chiral and Stable Palladium(0) Complexes of Polyunsaturated Aza-macrocyclic Ligands: Synthesis and Structural Analysis. <i>Organometallics</i> , <b>2006</b> , 25, 5612-5620	3.8	14

9	Transition metal-mediated intramolecular [2+2+2] cycloisomerizations of cyclic triynes and enediyne. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 2033-41	4.2	50
8	Structural analysis of chiral complexes of palladium(0) with 15-membered triolefinic macrocyclic ligands. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 2689-97	4.8	13
7	ESI-mass spectrometry as a tool for investigating the mechanistic role of a 15-membered triolefinic macrocyclic palladium(0) complex in the Heck reaction. <i>Arkivoc</i> , <b>2005</b> , 2005, 51-62	0.9	18
6	Synthesis of Nitrogen-Containing 15-Membered Triacetylenic Macrocycles. Stable Complex with Palladium(0). <i>Organometallics</i> , <b>2004</b> , 23, 2762-2767	3.8	35
5	Allylic Substitution Mediated by Water and Palladium: Unusual Role of a Palladium(II) Catalyst and ESI-MS Analysis. <i>Organometallics</i> , <b>2004</b> , 23, 4796-4799	3.8	44
4	15-Membered Triolefinic Macrocycles [Catalytic Role of (E,E,E)-1,6,11-Tris(arenesulfonyl)-1,6,11-triazacyclopentadeca-3,8,13-triene Complexes of Palladium(0) in the Presence of Phosphanes. <i>European Journal of Organic Chemistry</i> , <b>2003</b> , 2003, 274-283	3.2	23
3	First Heck reaction with arenediazonium cations with recovery of Pd-triolefinic macrocyclic catalyst. <i>Organic Letters</i> , <b>2003</b> , 5, 1559-61	6.2	103
2	Synthesis, catalytic activity and redox properties of palladium(0) complexes with 15-membered triolefinic macrocyclic ligands containing one, two or three ferrocenyl groups. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 1425-1428	2	18
1	Preparation of Aniline Derivatives: An Advanced Undergraduate Laboratory Experiment Exploring Catalytic and Stoichiometric Reaction Methodologies. <i>Journal of Chemical Education</i> , <b>2002</b> , 79, 731	2.4	2