

# Anna Roglans

## 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.

91  
papers

2,963  
citations

28  
h-index

51  
g-index

128  
ext. papers

3,273  
ext. citations

5.9  
avg, IF

5.15  
L-index

#	Paper	IF	Citations
91	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
90	Mechanistic Studies of Transition-Metal-Catalyzed [2 + 2 + 2] Cycloaddition Reactions. <i>Chemical Reviews</i> , <b>2021</b> , 121, 1894-1979	68.1	49
89	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
88	A Rh-Catalyzed Cycloisomerization/Diels-Alder Cascade Reaction of 1,5-Bisallenenes for the Synthesis of Polycyclic Heterocycles. <i>Organic Letters</i> , <b>2019</b> , 21, 6608-6613	6.2	12
87	Examining the Factors That Govern the Regioselectivity in Rhodium-Catalyzed Alkyne Cyclotrimerization. <i>Organometallics</i> , <b>2019</b> , 38, 2853-2862	3.8	19
86	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	
85	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
84	Chiral Induction in [2+2+2] Cycloaddition Reactions. <i>Asian Journal of Organic Chemistry</i> , <b>2018</b> , 7, 1706-1713	3.8	24
83	Chiral Induction in Intramolecular Rhodium-Catalyzed [2+2+2] Cycloadditions of Optically Active Allene-Ene/Allyne Substrates. <i>Advanced Synthesis and Catalysis</i> , <b>2017</b> , 359, 506-512	5.6	7
82	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
81	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
80	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
79	Lanthanides Pybox: An Excellent Combination for Highly Enantioselective Electrophilic $\alpha$ -Amination of Acyclic $\beta$ -Keto Esters. Isolation of Ternary Pybox/Ln/ $\beta$ -Keto Ester Complexes. <i>ChemistrySelect</i> , <b>2016</b> , 1, 4305-4312	1.8	7
78	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
77	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
76	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
75	Dehydrogenative [2 + 2 + 2] Cycloaddition of Cyano-ene-allene Substrates: Convenient Access to 2,6-Naphthyridine Scaffolds. <i>Organic Letters</i> , <b>2015</b> , 17, 2882-5	6.2	29

74	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
73	Highly enantioselective (-)-sparteine-mediated lateral metalation-functionalization of remote silyl protected ortho-ethyl N,N-dialkyl aryl O-carbamates. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 3368-86	4.2	9
72	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
71	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
70	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
69	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
68	Nickel(0) Complexes of Acyclic Polyunsaturated Aza Ligands. <i>Organometallics</i> , <b>2013</b> , 32, 1710-1720	3.8	5
67	Understanding Electronic Ligand Perturbation over Successive Metal-Based Redox Potentials in Mononuclear Ruthenium-aqua Complexes. <i>ChemPlusChem</i> , <b>2013</b> , 78, 235-243	2.8	15
66	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
65	Nickel(0) Complexes of Polyunsaturated Azamacrocyclic Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 1983-1990	3.8	9
64	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
63	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
62	P-Stereogenic Secondary Iminophosphorane Ligands and Their Rhodium(I) Complexes: Taking Advantage of NH/PH Tautomerism. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7057-7061	3.6	17
61	Titelbild: P-Stereogenic Secondary Iminophosphorane Ligands and Their Rhodium(I) Complexes: Taking Advantage of NH/PH Tautomerism (Angew. Chem. 28/2012). <i>Angewandte Chemie</i> , <b>2012</b> , 124, 6901-6901	3.6	1
60	P-stereogenic secondary iminophosphorane ligands and their rhodium(I) complexes: taking advantage of NH/PH tautomerism. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 6951-5	16.4	37
59	Fluorous aryl compounds by Matsuda-Bleck reaction. <i>Tetrahedron</i> , <b>2011</b> , 67, 8659-8664	2.4	17
58	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
57	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

56	RhCl(PPh <sub>3</sub> ) <sub>3</sub> -Catalyzed Intramolecular Cycloaddition of Eneidyne: The Nature of the Tether and Substituents Controls the Reaction Mechanism. <i>Organometallics</i> , <b>2011</b> , 30, 3151-3159	3.8	19
55	[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
54	Density Functional Study of the [2+2+2] Cyclotrimerization of Acetylene Catalyzed by Wilkinson's Catalyst, RhCl(PPh <sub>3</sub> ) <sub>3</sub> . <i>Organometallics</i> , <b>2010</b> , 29, 562-569	3.8	60
53	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
52	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
51	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
50	Palladium Intermediates in Solution <b>2010</b> , 229-275		3
49	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
48	Rhodium(I)-catalysed intramolecular [2+2+2] cyclotrimerisations of 15-, 20- and 25-membered azamacrocycles: experimental and theoretical mechanistic studies. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 5289-300	4.8	42
47	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
46	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
45	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
44	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
43	Selective Pd(II) and Pt(IV) sorption using novel polymers containing azamacrocycle functional groups. <i>Reactive and Functional Polymers</i> , <b>2008</b> , 68, 1088-1096	4.6	15
42	Heck-type reactions of allylic alcohols. <i>Journal of Molecular Catalysis A</i> , <b>2008</b> , 283, 140-145		21
41	Substitution of allylic acetates with sodium para-toluenesulfinate in aqueous media using allylpalladium chloride dimer and a water-soluble ligand as the catalytic system; electrospray ionisation mass spectrometry analysis. <i>New Journal of Chemistry</i> , <b>2007</b> , 31, 121-126	3.6	18
40	Recoverable Homogeneous Palladium(0) Catalyst for Cross-Coupling Reactions of Arenediazonium Salts with Potassium Organotrifluoroborates: Detection of Catalytic Intermediates by Electrospray Ionization Mass Spectrometry. <i>European Journal of Organic Chemistry</i> , <b>2007</b> , 2007, 158-166	3.2	50
39	Palladium and rhodium-catalyzed intramolecular [2+2+2] cycloisomerizations in molten tetrabutylammonium bromide. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 6425-6428	2	21

38	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
37	Highly enantioselective electrophilic amination and michael addition of cyclic beta-ketoesters induced by lanthanides and (S,S)-ip-pybox: the mechanism. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 2077-87	4.2	87
36	Diazonium salts as substrates in palladium-catalyzed cross-coupling reactions. <i>Chemical Reviews</i> , <b>2006</b> , 106, 4622-43	68.1	649
35	Can the disproportion of oxidation state III be favored in RuII-OH2/RuIV=O systems?. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 5306-7	16.4	78
34	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
33	New applications of azamacrocyclic ligands in ion recognition, transport and preconcentration of palladium. <i>Analytica Chimica Acta</i> , <b>2006</b> , 560, 77-83	6.6	17
32	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
31	IFSERF, an isotope-filtered SERF experiment for the precise measurement of proton-proton coupling constants between chemically equivalent protons. <i>Journal of Magnetic Resonance</i> , <b>2005</b> , 173, 305-9	3	10
30	The Heck-type arylation of allylic alcohols with arenediazonium salts. <i>Journal of Organometallic Chemistry</i> , <b>2005</b> , 690, 3822-3826	2.3	45
29	Preparation of 15-membered unsaturated N $\pi$ containing azamacrocycles and their differential coordination with Pd(0) and Pd(II). <i>Tetrahedron</i> , <b>2005</b> , 61, 10105-10112	2.4	3
28	Measurement of coupling constants in symmetrical spin systems using a full multiple-step cross-polarization-driven NMR pulse scheme. <i>Magnetic Resonance in Chemistry</i> , <b>2005</b> , 43, 979-84	2.1	4
27	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
26	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
25	Syntheses, Structures and Redox Properties of New Macrocyclic Triazatriolefinic Pd0 Complexes and Their Polypyrrole Modified Electrodes [Application to Heterogeneous Catalytic Suzuki Cross-Coupling Reactions. <i>European Journal of Inorganic Chemistry</i> , <b>2004</b> , 2004, 1601-1610	2.3	11
24	The palladium(0) Suzuki cross-coupling reaction as the key step in the synthesis of aporphinoids. <i>Tetrahedron</i> , <b>2004</b> , 60, 5725-5735	2.4	16
23	Organometallic chemistry of 15-membered tri-olefinic macrocycles: catalysis by palladium(0) complexes in carbon-carbon bond-forming reactions. <i>Journal of Organometallic Chemistry</i> , <b>2004</b> , 689, 3669-3684	2.3	47
22	Novel Homo- and Heterobimetallic Palladium(0) and Platinum(0) Complexes of Olefinic Mono-, Bis-, and Tris-macrocyclic Ligands. <i>Organometallics</i> , <b>2004</b> , 23, 2533-2540	3.8	19
21	Ionic and covalent copper(II)-based catalysts for Michael additions. The mechanism. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 6834-42	4.2	44

20	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
19	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
18	15-Membered triolefinic macrocycles, their coordination chemistry with transition metals, and the catalytic properties of their palladium metal complexes. A review.. <i>Arkivoc</i> , <b>2004</b> , 2004, 109-129	0.9	26
17	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
16	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
15	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
14	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
13	Application of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry to the structure determination of medium and large macrocycles formed by palladium(0)-catalyzed allylation of arenesulfonamides, sulfamide, and cyanamide. <i>Rapid Communications in Mass Spectrometry</i> , <b>1999</b> , 13, 2359-2365	2.2	3
12	Electrospray Ionization Mass Spectrometry Detection of Intermediates in the Palladium-Catalyzed Oxidative Self-Coupling of Areneboronic Acids. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 3592-3594	4.2	95
11	Palladium(0)-catalyzed allylation of highly acidic and non-nucleophilic arenesulfonamides, sulfamide, and cyanamide. I.. <i>Tetrahedron</i> , <b>1998</b> , 54, 14869-14884	2.4	35
10	Palladium(0)-catalyzed allylation of highly acidic and non-nucleophilic arenesulfonamides, sulfamide, and cyanamide. II. Formation of medium and large heterocycles. <i>Tetrahedron</i> , <b>1998</b> , 54, 14885-14904	2.4	29
9	Stereospecific Preparation of (E) and (Z)-3,3-Diarylacrylonitriles by Heck Reaction. <i>Synlett</i> , <b>1997</b> , 1997, 1157-1158	2.2	28
8	Direct and Highly Enantioselective Synthesis of Ferrocenes with Planar Chirality by (D)-Sparteine-Mediated Lithiation. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 685-686	16.4	217
7	Ethyl N-(diphenylmethylene)glycinate as anionic glycine equivalent. Monoalkylation, dialkylation and Michael additions under solid-liquid phase-transfer catalysis. <i>Tetrahedron</i> , <b>1996</b> , 52, 8365-8386	2.4	26
6	Improved Preparation of Diethyl Bromomethylphosphonate and Diiodomethane-Catalyzed Triethylphosphite Michaelis-Arbuzov Isomerization. <i>Synthetic Communications</i> , <b>1995</b> , 25, 191-194	1.7	5
5	Ethyl N-(diphenylmethylene)glycinate as anionic glycine equivalent transition metal mediated preparation of bicyclic and tricyclic $\beta$ -disubstituted $\beta$ -amino acids and derivatives. <i>Liebigs Annalen</i> , <b>1995</b> , 1995, 1807-1814		10
4	Diels-Alder Reactions of 1,1-Disubstituted 3,4-Dimethylene-cyclopentanes. Preparation of Indanes and Diazaindanes. <i>Synthetic Communications</i> , <b>1993</b> , 23, 601-612	1.7	8
3	Synthesis of $\beta$ -substituted and $\beta$ -disubstituted $\beta$ -amino acids by controlled mono- and dialkylation of ethyl N-diphenylmethyleneglycinate. <i>Tetrahedron Letters</i> , <b>1993</b> , 34, 8535-8538	2	14

- 2 Solid phase conformational analysis of a 13-membered heterocycle:  
8,13-Dioxo-1,4,7-trioxacyclotridecane (diethylene glycol cyclic adipate). *Zeitschrift für  
Kristallographie*, **1992**, 202, 109-114
- 1 Preparation of 3-Pyrrolidone and 4-Perhydroazepinone. *Synthetic Communications*, **1992**, 22, 1249-1258 1.7 19