

# Ana C Albeniz

## List of Publications by Year in descending order

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82  
papers

2,230  
citations

201674

27  
h-index

254184

43  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1904  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Warning on the Use of Radical Traps as a Test for Radical Mechanisms: They React with Palladium Hydrido Complexes. <i>Journal of the American Chemical Society</i> , 2002, 124, 11278-11279.	13.7	134
2	The Pd-Catalyzed Coupling of Allyl Halides and Tin Aryls: Why the Catalytic Reaction Works and the Stoichiometric Reaction Does Not. <i>Chemistry - A European Journal</i> , 2001, 7, 2481-2489.	3.3	96
3	Facile reversible metalation in an agostic complex and hydrogenolysis of a metal aryl complex via a dihydrogen complex. <i>Organometallics</i> , 1992, 11, 242-249.	2.3	95
4	Bonding Modes in Palladium(II) Enolates: Consequences for Dynamic Behavior and Reactivity. <i>Organometallics</i> , 1999, 18, 5571-5576.	2.3	82
5	Observation of the Direct Products of Migratory Insertion in Aryl Palladium Carbene Complexes and Their Subsequent Hydrolysis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 2363-2366.	13.8	76
6	Aryl Palladium Carbene Complexes and Carbene-Aryl Coupling Reactions. <i>Chemistry - A European Journal</i> , 2005, 11, 1565-1573.	3.3	73
7	Dihydrogen complexes in catalysis: isotope exchange reactions. <i>Inorganic Chemistry</i> , 1991, 30, 3632-3635.	4.0	66
8	Catalytic System for Heck Reactions Involving Insertion into Pd <sup>IV</sup> (Perfluoro-organyl) Bonds. <i>Journal of the American Chemical Society</i> , 2001, 123, 11504-11505.	13.7	63
9	Synthesis and subsequent rearrangement of chloro(pentafluorophenyl)-1,5-cyclooctadienepalladium(II), an illustrative example of endo attack on a coordinated double bond. <i>Journal of the American Chemical Society</i> , 1990, 112, 6594-6600.	13.7	58
10	<sup>19</sup> F NMR in organometallic chemistry. <i>Coordination Chemistry Reviews</i> , 2008, 252, 2180-2208.	18.8	56
11	Polymers for Green C-C Couplings. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 2347-2360.	2.0	56
12	"Pd(C <sub>6</sub> F <sub>5</sub> )Br", a convenient precursor for studying the endo attack of nucleophiles on olefins. X-ray structure of bis( $\mu$ -bromo)bis(4-(pentafluorophenyl)-1-3-eta.3-cyclohexenyl)dipalladium(II). <i>Organometallics</i> , 1990, 9, 1079-1085.	2.3	48
13	Synthesis and phase behaviour of mesomorphic transition-metal complexes of alkoxydithiobenzoates. <i>Journal of Materials Chemistry</i> , 1991, 1, 843.	6.7	47
14	Polymerization of Acrylates by Neutral Palladium Complexes. Isolation of Complexes at the Initial Steps. <i>Organometallics</i> , 2003, 22, 4206-4212.	2.3	45
15	Palladium-Based System for the Polymerization of Acrylates. Scope and Mechanism. <i>Organometallics</i> , 2002, 21, 4249-4256.	2.3	43
16	Versatile Route to Functionalized Vinylic Addition Polynorbornenes. <i>Macromolecules</i> , 2010, 43, 7482-7487.	4.8	43
17	Formation of a Vinyliminium Palladium Complex by C-C Coupling in Vinylcarbene Palladium Aryl Complexes. <i>Organometallics</i> , 2006, 25, 1293-1297.	2.3	42
18	Stannylated Polynorbornenes as New Reagents for a Clean Stille Reaction. <i>Chemistry - A European Journal</i> , 2008, 14, 10141-10148.	3.3	39

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19	Solvent-Induced Reduction of Palladium-Aryls, a Potential Interference in Pd Catalysis. <i>Organometallics</i> , 2013, 32, 5428-5434.	2.3	37
20	Catalytic System for the Heck Reaction of Fluorinated Haloaryls. <i>Organometallics</i> , 2005, 24, 3679-3684.	2.3	34
21	Synthesis of (NBu <sub>4</sub> ) <sub>2</sub> [Pd <sub>2</sub> ( $\eta^1$ -Br) <sub>2</sub> (C <sub>6</sub> X <sub>5</sub> ) <sub>2</sub> Br <sub>2</sub> ] (X=F, Cl), new and more versatile precursors of pentahalophenyl derivatives of palladium(II). <i>Inorganica Chimica Acta</i> , 1989, 156, 251-256.	2.4	32
22	Understanding reactivity trends by structural and theoretical studies of distortions in ground-state reagents. <i>Organometallics</i> , 1991, 10, 3062-3069.	2.3	32
23	<i>o</i> - and <i>m</i> -(Bromotetrafluorophenyl)palladium(II) Complexes: Atropisomerism Studies by <sup>19</sup> F NMR and Measurement of Through-Space <sup>19</sup> F- <sup>19</sup> F Coupling Constants. <i>Organometallics</i> , 1997, 16, 5416-5423.	2.3	32
24	Heterometallic Complexes by Transmetalation of Alkynyl Groups from Copper or Silver to Allyl Palladium Complexes: Demetalation Studies and Alkynyl Homocoupling. <i>Organometallics</i> , 2014, 33, 1-7.	2.3	32
25	Ionic Silver Amino Complexes Displaying Liquid Crystalline Behavior Close to Room Temperature. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 133-138.	2.0	30
26	Palladium-Catalyzed Aerobic Homocoupling of Alkynes: Full Mechanistic Characterization of a More Complex Oxidase-Type Behavior. <i>ACS Catalysis</i> , 2018, 8, 7495-7506.	11.2	30
27	Cyclization versus Pd-H Elimination/Readdition: Skeletal Rearrangement of the Products of Pd-C <sub>6</sub> F <sub>5</sub> Addition to 1,4-Pentadienes. <i>Journal of the American Chemical Society</i> , 1996, 118, 7145-7152.	13.7	29
28	Selective Green Coupling of Alkynyltins and Allylic Halides to Trienyne <i>via</i> a Tandem Double Stille Reaction. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2887-2891.	4.3	29
29	Vinylidene Addition Polynorbornene in Catalysis. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 304-315.	2.7	28
30	Regioselectivities of the Insertion of Dienes into Pd-R Bonds. Diastereoselection in the Isomerization of an ( $\eta^1$ - $\eta^2$ -Enyl)palladium Complex to an ( $\eta^3$ -Allyl)palladium Complex. <i>Organometallics</i> , 1995, 14, 2977-2986.	2.3	27
31	Dual Behavior of Cationic Palladium Pentafluorophenyl Complexes as Catalysts for the Homopolymerization of Acrylates and of Nonpolar Olefins. <i>Organometallics</i> , 2009, 28, 4996-5001.	2.3	27
32	Atropisomerization <i>in cis</i> -[Pd(2-C <sub>6</sub> BrF <sub>4</sub> ) <sub>2</sub> L <sub>2</sub> ] (L = Thioether): A Dual Mechanism Involving Ligand-Dissociative and Nondissociative Competitive Pathways. <i>Inorganic Chemistry</i> , 1999, 38, 2510-2515.	4.0	26
33	Dimeric Palladium Complexes with Bridging Aryl Groups: When are they Stable?. <i>Chemistry - A European Journal</i> , 2005, 11, 242-252.	3.3	26
34	Insertion of Alkenyl Sulfides into a Palladium-Aryl Bond. 2. Stabilization of $\eta^1$ -yl-Schelates and Decomposition Reactions through C-S Cleavage. <i>Organometallics</i> , 1996, 15, 5010-5017.	2.3	25
35	Insertion of Alkenyl Sulfides into a Palladium-Aryl Bond. 1. Synthesis and Evolution of a Three-Membered Thiopalladacycle. X-ray Crystal Structure of a New Tetrameric Palladium Derivative with Bridging (Phenylthio)alkyl Ligands. <i>Organometallics</i> , 1996, 15, 5003-5009.	2.3	25
36	Asymmetric organocatalysts supported on vinyl addition polynorbornenes for work in aqueous media. <i>Catalysis Science and Technology</i> , 2015, 5, 754-764.	4.1	24

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37	[2,2-Bipyridin]-6(1 <i>H</i> )-one, a Truly Cooperating Ligand in the Palladium-Mediated C-H Activation Step: Experimental Evidence in the Direct C-3 Arylation of Pyridine. <i>Journal of the American Chemical Society</i> , 2018, 140, 17851-17856.	13.7	24
38	The Origin of Hindered Rotation around the Pt~N Bond in Platinum Amides. <i>Inorganic Chemistry</i> , 2001, 40, 4211-4216.	4.0	23
39	Batch Stille Coupling with Insoluble and Recyclable Stannylated Polynorbornenes. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3551-3560.	4.3	21
40	Involvement of Intramolecular Hydride Transfer in the Formation of Alkanes from Palladium Alkyls. <i>Organometallics</i> , 1997, 16, 4030-4032.	2.3	20
41	Acyl-Carbene and Methyl-Carbene Coupling via Migratory Insertion in Palladium Complexes. <i>Organometallics</i> , 2012, 31, 5494-5499.	2.3	20
42	Palladium-Mediated Organofluorine Chemistry. <i>Advances in Organometallic Chemistry</i> , 2014, 62, 1-110.	1.0	20
43	Deuterium Exchange between Arenes and Deuterated Solvents in the Absence of a Transition Metal: Synthesis of D-Labeled Fluoroarenes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 3206-3212.	2.4	20
44	Detection and Reactivity of a Palladium Alkoxycarbene. <i>Chemistry - A European Journal</i> , 2012, 18, 7658-7661.	3.3	19
45	Palladium(II) complexes of 3,3-dimethyl-, 5,5-dimethyl-, and 7,7-dimethyl-2,2-biindazole. <i>Journal of Organometallic Chemistry</i> , 1991, 410, 257-263.	1.8	18
46	Palladium Migration along Linear Carbon Chains: The Detection of 1-2-Enyl Intermediates and the Study of Their Rearrangement. <i>Organometallics</i> , 1997, 16, 4138-4144.	2.3	17
47	Mechanism of the Rhodium-Catalyzed Asymmetric Isomerization of Allylamines to Enamines. <i>Chemistry - A European Journal</i> , 2008, 14, 3323-3329.	3.3	17
48	N-Heterocyclic Carbenes Supported on Vinylic Addition Polynorbornene: A Recyclable and Recoverable Organocatalyst. <i>ChemCatChem</i> , 2014, 6, 3547-3552.	3.7	16
49	A case of slow isomerization of a ( $\sigma$ - $\pi$ -hexenyl)palladium complex and its relevance to organic synthesis. <i>Organometallics</i> , 1991, 10, 2987-2988.	2.3	14
50	Benzylic Complexes of Palladium(II): Bonding Modes and Pentacoordination for Steric Relief. <i>Organometallics</i> , 2018, 37, 1074-1085.	2.3	14
51	Reactive Palladium Carbenes: Migratory Insertion and Other Carbene-Hydrocarbyl Coupling Reactions on Well-Defined Systems. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3693-3705.	2.0	14
52	Study of the Evolution of 1-2-Enylpalladium Complexes When the Palladium-Migration Process Is Blocked. <i>Organometallics</i> , 1997, 16, 5964-5973.	2.3	13
53	1,2-Insertion and $\beta$ -Elimination. <i>Current Methods in Inorganic Chemistry</i> , 2003, 3, 293-371.	0.9	13
54	Competition of Insertion and Transmetalation Pathways in the Reactions of Alkenylsilanes with Aryl Complexes of Palladium(II). An Experimental Study. <i>Organometallics</i> , 2006, 25, 5449-5455.	2.3	13

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55	On the requirements of the precursor complex for olefin insertion: reactivity of cis- and trans-Pd(C <sub>6</sub> F <sub>5</sub> )(L) <sub>2</sub> + with dienes. <i>Journal of Organometallic Chemistry</i> , 1993, 452, 229-234.	1.8	12
56	Carbene and Carbonyl Transfer from [W(CO) <sub>5</sub> (carbene)] to Palladium, Affording Palladium(II) Carbene Acyl Complexes. <i>Organometallics</i> , 2008, 27, 4193-4198.	2.3	12
57	Faster palladium-catalyzed arylation of simple arenes in the presence of a methylketone: beneficial effect of an a priori interfering solvent in C-H activation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1941-1951.	4.5	12
58	Pd-H elimination reactions in palladium(ii) allylic complexes. <i>Dalton Transactions</i> , 2007, , 3710.	3.3	11
59	Fluorene-based stannylated polymers and their use as recyclable reagents in the Stille reaction. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3316-3321.	1.8	11
60	Poly( <i>i</i> -bromoalkylnorbornenes-co-norbornene) by ROMP-hydrogenation: a robust support amenable to post-polymerization functionalization. <i>RSC Advances</i> , 2015, 5, 70244-70254.	3.6	11
61	Vinyl Addition Polynorbornene as Support for $\eta^5$ -Heterocyclic Carbene Palladium Complexes: Use as Reservoir of Active Homogeneous Catalytic Species in C-C Cross-Coupling Reactions. <i>ChemCatChem</i> , 2016, 8, 2241-2248.	3.7	11
62	<i>p</i> -Bromoaryl- and <i>i</i> -bromoalkyl-VA-PNBs: suitable starting materials for the functionalization of vinyl addition polynorbornenes via palladium-catalyzed cross-coupling reactions. <i>RSC Advances</i> , 2016, 6, 105878-105887.	3.6	11
63	$\eta^5$ -Diimine-Palladium Complexes Incorporated in Vinyl Addition Polynorbornenes: Synthesis and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2911-2919.	2.0	11
64	Trispyrazolylborate Ligands Supported on Vinyl Addition Polynorbornenes and Their Copper Derivatives as Recyclable Catalysts. <i>Chemistry - A European Journal</i> , 2019, 25, 556-563.	3.3	9
65	Study of Pd-elimination under carbonylation conditions: Regioselective formation of esters. <i>Tetrahedron</i> , 1998, 54, 13851-13866.	1.9	8
66	$\alpha$ -Gated Migration for Enantioselective Synthesis of Palladium Allyls Using a $\eta^5$ -PdHBr-Synthon. <i>Organometallics</i> , 1999, 18, 3359-3363.	2.3	8
67	A Convenient Quick Synthesis of SnBu <sub>2</sub> RCl Derivatives. <i>Organometallics</i> , 2009, 28, 3957-3958.	2.3	7
68	Formal Gold-to-Gold Transmetalation of an Alkynyl Group Mediated by Palladium: A Bisalkynyl Gold Complex as a Ligand to Palladium. <i>Chemistry - A European Journal</i> , 2015, 21, 13216-13220.	3.3	7
69	Oxidative coupling of platinum arylamides: temperature dependent C-H or C-F cleavage. <i>Chemical Communications</i> , 2002, , 610-611.	4.1	6
70	Palladium(II) allylic complexes by carbene transmetalation and migratory insertion reactions: Synthesis and side reactions. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 441-445.	1.8	6
71	Stannylated Vinyl Addition Polynorbornene: Probing a Reagent for Friendly Tin-Mediated Radical Processes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4247-4254.	2.4	6
72	Effect of excess halide on the palladium-catalyzed insertion-triggered radical copolymerization of methyl acrylate and 1-hexene. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5682-5691.	2.3	5

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73	Î±-Substituted Benzylic Complexes of Palladium(II) as Precursors of Palladium Hydrides. <i>Organometallics</i> , 2018, 37, 1665-1670.	2.3	5
74	Highly efficient vinylic addition polymerization of 5-vinyl-2-norbornene using benzylic palladium complexes as precatalysts. <i>Polymer Chemistry</i> , 2021, 12, 5963-5969.	3.9	5
75	Transmetalation of Acyclic Tungsten Carbenes to Coinage Metals: Distinct Behavior of Silver toward Carbene Transfer and Hydrolysis. <i>Organometallics</i> , 2021, 40, 38-47.	2.3	5
76	A different polynorbornene backbone by combination of two polymer growth pathways: vinylic addition and ring opening <i>via</i> $\beta$ -C elimination. <i>Chemical Science</i> , 2022, 13, 1823-1828.	7.4	5
77	Non-Chelate-Assisted Palladium-Catalyzed Aerobic Oxidative Heck Reaction of Fluorobenzenes and Other Arenes: When Does the C-H Activation Need Help?. <i>Advanced Synthesis and Catalysis</i> , 0, , .	4.3	4
78	Polyphosphazenes for the Stille reaction: a new type of recyclable stannyl reagent. <i>Dalton Transactions</i> , 2016, 45, 2227-2236.	3.3	1
79	The Pd-Catalyzed Coupling of Allyl Halides and Tin Aryls: Why the Catalytic Reaction Works and the Stoichiometric Reaction Does Not. <i>Chemistry - A European Journal</i> , 2001, 7, 2481-2489.	3.3	1
80	Supported Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	1
81	Catalytic System for the Heck Reaction of Fluorinated Haloaryls.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
82	GEQO: The Hub of Organometallic Chemistry in the Spanish Royal Society of Chemistry. <i>European Journal of Inorganic Chemistry</i> , 0, , .	2.0	0