

# Macarena Arena Poyatos

## List of Publications by Year in descending order

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73  
papers

5,457  
citations

81900

39  
h-index

79698

73  
g-index

82  
all docs

82  
docs citations

82  
times ranked

4025  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Redox-Switchable Gold(I) Complex for the Hydroamination of Acetylenes: A Convenient Way for Studying Ligand-Derived Electronic Effects. <i>ACS Catalysis</i> , 2022, 12, 4465-4472.	11.2	15
2	Redox-Switchable Complexes Based on Nanographene-NHCs. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	8
3	â€Pincer-tweezerâ€™™ tetraimidazolium salts as hosts for halides. , 2022, 2, 100018.		0
4	Insights into the past and future of Janus-di-N-heterocyclic carbenes. <i>Dalton Transactions</i> , 2021, 50, 12748-12763.	3.3	18
5	Synthesis and Characterization of Polyâ€NHCâ€™Derived Silver(I) Assemblies and Their Transformation into Polyâ€Imidazolium Macrocycles. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2442-2451.	2.0	9
6	Redox-Switchable Cycloisomerization of Alkynoic Acids with Naphthalenediimideâ€™Derived Nâ€™Heterocyclic Carbene Complexes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 20003-20011.	13.8	21
7	Redox-Switchable Cycloisomerization of Alkynoic Acids with Naphthalenediimideâ€™Derived Nâ€™Heterocyclic Carbene Complexes. <i>Angewandte Chemie</i> , 2021, 133, 20156-20164.	2.0	2
8	Ligand & band gap engineering: tailoring the protocol synthesis for achieving high-quality CsPbI <sub>3</sub> quantum dots. <i>Nanoscale</i> , 2020, 12, 14194-14203.	5.6	48
9	N-Heterocyclic Carbenes: A Door Open to Supramolecular Organometallic Chemistry. <i>Accounts of Chemical Research</i> , 2020, 53, 1401-1413.	15.6	116
10	Preparation and self-aggregation properties of a series of pyrene-imidazolylidene complexes of gold (I). <i>Journal of Organometallic Chemistry</i> , 2020, 917, 121284.	1.8	8
11	Templateâ€™Controlled Synthesis of Polyimidazolium Salts by Multiple [2+2] Cycloaddition Reactions. <i>Chemistry - A European Journal</i> , 2020, 26, 11565-11570.	3.3	7
12	Structural Features of Monoâ€™and Dimetallic Complexes of Palladium Combining Two Types of Aromatic NHC Ligands. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3776-3781.	2.0	7
13	A Twisted Tetragold Cyclophane from a Fused Bis-Imidazolindylidene. <i>Organometallics</i> , 2019, 38, 4565-4569.	2.3	13
14	A Dinuclear Au(I) Complex with a Pyrene-di-N-heterocyclic Carbene Linker: Supramolecular and Catalytic Studies. <i>Organometallics</i> , 2018, 37, 3407-3411.	2.3	28
15	The Complex Coordination Landscape of a Digold(I) Uâ€™Shaped Metalloligand. <i>Angewandte Chemie</i> , 2018, 130, 17058-17062.	2.0	16
16	The Complex Coordination Landscape of a Digold(I) Uâ€™Shaped Metalloligand. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16816-16820.	13.8	36
17	Pyrene-Connected Tetraimidazolylidene Complexes of Iridium and Rhodium. Structural Features and Catalytic Applications. <i>Organometallics</i> , 2018, 37, 4070-4076.	2.3	16
18	Tetra-Au(I) Complexes Bearing a Pyrene Tetraalkynyl Connector Behave as Fluorescence Torches. <i>Organometallics</i> , 2018, 37, 1795-1800.	2.3	15

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19	A D <sub>3h</sub> -symmetry hexaazatriphenylene-tris-N-heterocyclic carbene ligand and its coordination to iridium and gold: preliminary catalytic studies. <i>Chemical Communications</i> , 2017, 53, 3733-3736.	4.1	28
20	Platinum-Based Organometallic Folders for the Recognition of Electron-Deficient Aromatic Substrates. <i>Chemistry - A European Journal</i> , 2017, 23, 7272-7277.	3.3	11
21	Cation-Driven Self-Assembly of a Gold(I)-Based Metallo-Tweezer. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9786-9790.	13.8	59
22	Cation-Driven Self-Assembly of a Gold(I)-Based Metallo-Tweezer. <i>Angewandte Chemie</i> , 2017, 129, 9918-9920.	2.3	26
23	Gold Catalysts with Polyaromatic-NHC ligands. Enhancement of Activity by Addition of Pyrene. <i>Organometallics</i> , 2017, 36, 1447-1451.	2.3	34
24	Gold(I) Metallo-Tweezers for the Recognition of Functionalized Polycyclic Aromatic Hydrocarbons by Combined $\pi$ - $\pi$ Stacking and H-Bonding. <i>Chemistry - A European Journal</i> , 2017, 23, 14439-14444.	3.3	44
25	A Ferrocenyl-Benzo-Fused Imidazolylidene Complex of Ruthenium as Redox-Switchable Catalyst for the Transfer Hydrogenation of Ketones and Imines. <i>ChemCatChem</i> , 2016, 8, 3790-3795.	3.7	29
26	Ferrocenyl-Imidazolylidene Ligand for Redox-Switchable Gold-Based Catalysis. A Detailed Study on the Redox-Switching Abilities of the Ligand. <i>Organometallics</i> , 2016, 35, 2747-2758.	2.3	64
27	Mono and dimetallic pyrene-imidazolylidene complexes of iridium( <sup>iii</sup> ) for the deuteration of organic substrates and the C-C coupling of alcohols. <i>Dalton Transactions</i> , 2016, 45, 14154-14159.	3.3	20
28	Pincer-CNC mononuclear, dinuclear and heterodinuclear Au( <sup>iii</sup> ) and Pt( <sup>ii</sup> ) complexes supported by mono- and poly-N-heterocyclic carbenes: synthesis and photophysical properties. <i>Dalton Transactions</i> , 2016, 45, 5549-5556.	3.3	26
29	Fluorescent Pyrene-Based Bis-azole Compounds: Synthesis and Photophysical Analysis. <i>Chemistry - A European Journal</i> , 2015, 21, 10566-10575.	3.3	33
30	A Nanosized Janus Bis-N-heterocyclic Carbene Ligand Based on a Quinoxalinophenanthrophenazine Core, and Its Coordination to Iridium. <i>Organometallics</i> , 2015, 34, 1725-1729.	2.3	34
31	Postmodification of the Electronic Properties by Addition of $\pi$ -Stacking Additives in N-Heterocyclic Carbene Complexes with Extended Polyaromatic Systems. <i>Inorganic Chemistry</i> , 2015, 54, 3654-3659.	4.0	39
32	Experimental and Theoretical Approaches to the Influence of the Addition of Pyrene to a Series of Pd and Ni NHC-Based Complexes: Catalytic Consequences. <i>Chemistry - A European Journal</i> , 2015, 21, 1578-1588.	3.3	44
33	Main-Chain Organometallic Microporous Polymers Bearing Triphenylene-Tris(N-Heterocyclic) Tj ETQq1 1 0.784314 rgBT <sub>3</sub> /Overlock	3.3	43
34	Pyrene-Based Bisazolium Salts: From Luminescence Properties to Janus-Type Bis-N-Heterocyclic Carbenes. <i>Chemistry - A European Journal</i> , 2014, 20, 9716-9724.	3.3	59
35	A Pyrene-Based N-Heterocyclic Carbene: Study of Its Coordination Chemistry and Stereoelectronic Properties. <i>Organometallics</i> , 2014, 33, 394-401.	2.3	44
36	Unveiling the stereoelectronic properties of a triphenylene-based tris N-heterocyclic carbene. <i>Chemical Communications</i> , 2013, 49, 7126.	4.1	27

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37	Rhodium <sup>+</sup> NHC complexes mediate diboration versus dehydrogenative borylation of cyclic olefins: a theoretical explanation. <i>Dalton Transactions</i> , 2013, 42, 746-752.	3.3	26
38	Triphenylene <sup>-</sup> Based Tris(N <sup>-</sup> Heterocyclic Carbene) Ligand: Unexpected Catalytic Benefits. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7009-7013.	13.8	108
39	A Tetracyclic Bis(imidazolindiyliene) Ligand and Its Diridium and Dipalladium Complexes. <i>Organometallics</i> , 2013, 32, 6445-6451.	2.3	20
40	Y-Shaped Tris-N-Heterocyclic-Carbene Ligand for the Preparation of Multifunctional Catalysts of Iridium, Rhodium, and Palladium. <i>Organometallics</i> , 2012, 31, 5606-5614.	2.3	69
41	Imidazolidines as hydride sources for the formation of late transition-metal monohydrides. <i>Chemical Science</i> , 2012, 3, 1300.	7.4	17
42	A Y-Shaped Tris-N-Heterocyclic Carbene for the Synthesis of Simultaneously Chelate-Monodentate Dipalladium Complexes. <i>Organometallics</i> , 2011, 30, 5985-5990.	2.3	36
43	Palladium Catalysts with Sulfonate-Functionalized-NHC Ligands for Suzuki <sup>~</sup> Miyaura Cross-Coupling Reactions in Water. <i>Organometallics</i> , 2011, 30, 684-688.	2.3	154
44	Synthesis and Properties of Chelating N-Heterocyclic Carbene Rhodium(I) Complexes: Synthetic Experiments in Current Organometallic Chemistry. <i>Journal of Chemical Education</i> , 2011, 88, 822-824.	2.3	2
45	Recent Developments in the Applications of Palladium Complexes Bearing N-Heterocyclic Carbene Ligands. <i>Current Organic Chemistry</i> , 2011, 15, 3309-3324.	1.6	58
46	Double C <sup>-</sup> H Bond Activation of C(sp <sup>3</sup> )H <sub>2</sub> Groups for the Preparation of Complexes with Back <sup>-</sup> Back Bisimidazolinylienes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7666-7669.	13.8	44
47	( <sup>6</sup> -Arene)ruthenium(N <sup>-</sup> heterocyclic carbene) Complexes for the Chelation <sup>-</sup> Assisted Arylation and Deuteration of Arylpyridines: Catalytic Studies and Mechanistic Insights. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 1155-1162.	4.3	63
48	Biomedical Properties of a Series of Ruthenium-N-Heterocyclic Carbene Complexes Based on Oxidant Activity <i>in Vitro</i> and Assessment <i>in Vivo</i> of Biosafety in Zebrafish Embryos. <i>Zebrafish</i> , 2010, 7, 13-21.	1.1	25
49	A Simple Catalyst for the Efficient Benzoylation of Arenes by Using Alcohols, Ethers, Styrenes, Aldehydes, or Ketones. <i>Chemistry - A European Journal</i> , 2009, 15, 4610-4613.	3.3	79
50	Complexes with Poly(N-heterocyclic carbene) Ligands: Structural Features and Catalytic Applications. <i>Chemical Reviews</i> , 2009, 109, 3677-3707.	47.7	797
51	[IrCl <sub>2</sub> Cp*(NHC)] Complexes as Highly Versatile Efficient Catalysts for the Cross <sup>-</sup> Coupling of Alcohols and Amines. <i>Chemistry - A European Journal</i> , 2008, 14, 11474-11479.	3.3	232
52	A Weak Donor, Planar Chelating Bitriazole N-Heterocyclic Carbene Ligand for Ruthenium(II), Palladium(II), and Rhodium. <i>Organometallics</i> , 2008, 27, 2128-2136.	2.3	98
53	Acetylacetonate Anchors for Robust Functionalization of TiO <sub>2</sub> Nanoparticles with Mn(II) <sup>-</sup> Terpyridine Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 14329-14338.	13.7	151
54	A planar chelating bitriazole N-heterocyclic carbene ligand and its rhodium(III) and dirhodium(II) complexes. <i>Chemical Communications</i> , 2007, , 2267.	4.1	58

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55	Shaping and Enforcing Coordination Spheres: The Implications of C <sub>3</sub> and C <sub>1</sub> Chirality in the Coordination Chemistry of 1,1,1-Tris(oxazolanyl)ethane (â€œTrisoxâ€). <i>Chemistry - A European Journal</i> , 2007, 13, 3058-3075.	3.3	40
56	Structural and catalytic properties of chelating bis- and tris-N-heterocyclic carbenes. <i>Coordination Chemistry Reviews</i> , 2007, 251, 841-859.	18.8	447
57	Catalysed low temperature H <sub>2</sub> release from nitrogen heterocycles. <i>New Journal of Chemistry</i> , 2006, 30, 1675.	2.8	121
58	Coordination Chemistry of a Modular N,C-Chelating Oxazole-Carbene Ligand and Its Applications in Hydrosilylation Catalysis. <i>Organometallics</i> , 2006, 25, 2634-2641.	2.3	105
59	Can the Disproportion of Oxidation State III Be Favored in Rull <sup>+</sup> OH <sub>2</sub> /RuIVO Systems?. <i>Journal of the American Chemical Society</i> , 2006, 128, 5306-5307.	13.7	87
60	CâˆH Oxidative Addition of Bisimidazolium Salts to Iridium and Rhodium Complexes, and N-Heterocyclic Carbene Generation. A Combined Experimental and Theoretical Study. <i>Organometallics</i> , 2006, 25, 1120-1134.	2.3	96
61	Coinage metal complexes with N-heterocyclic carbene ligands as selective catalysts in diboration reaction. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1759-1762.	1.8	94
62	Synthesis and structural chemistry of arene-ruthenium half-sandwich complexes bearing an oxazolinyllâ€carbene ligand. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2713-2720.	1.8	59
63	An N-Heterocyclic Carbene/Iridium Hydride Complex from the Oxidative Addition of a Ferrocenyl-Bisimidazolium Salt: Implications for Synthesis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 444-447.	13.8	109
64	An N-Heterocyclic Carbene/Iridium Hydride Complex from the Oxidative Addition of a Ferrocenyl-Bisimidazolium Salt: Implications for Synthesis. <i>Angewandte Chemie</i> , 2005, 117, 448-451.	2.0	19
65	Carbene Complexes of Rhodium and Iridium from Tripodal N-Heterocyclic Carbene Ligands: Synthesis and Catalytic Properties. <i>Inorganic Chemistry</i> , 2004, 43, 2213-2219.	4.0	104
66	Reactivity Differences in the Syntheses of Chelating N-Heterocyclic Carbene Complexes of Rhodium Are Ascribed to Ligand Anisotropy. <i>Organometallics</i> , 2004, 23, 1253-1263.	2.3	199
67	Synthesis and Reactivity of New Chelate-N-Heterocyclic Biscarbene Complexes of Ruthenium. <i>Inorganic Chemistry</i> , 2004, 43, 1793-1798.	4.0	95
68	A New Rhodium(III) Complex with a Tripodal Bis(imidazolylidene) Ligand. Synthesis and Catalytic Properties. <i>Organometallics</i> , 2004, 23, 323-325.	2.3	100
69	Synthesis, Reactivity, Crystal Structures and Catalytic Activity of New Chelating Bisimidazolium-Carbene Complexes of Rh. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 1215-1221.	2.0	137
70	New Rh(I) and Rh(III) Bisimidazol-2-ylidene Complexes: Synthesis, Reactivity, and Molecular Structures. <i>Inorganic Chemistry</i> , 2003, 42, 2572-2576.	4.0	81
71	New Ruthenium(II) CNC-Pincer Bis(carbene) Complexes: Synthesis and Catalytic Activity. <i>Organometallics</i> , 2003, 22, 1110-1114.	2.3	249
72	Synthesis of a Dirhodium(I) Bisimidazolium Carbene Complex and Catalytic Activity toward Hydroformylation of Olefins. High-Pressure NMR Spectroscopy of the Catalyst under Catalytic Conditions. <i>Organometallics</i> , 2003, 22, 440-444.	2.3	111

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73	Preparation of a new clay-immobilized highly stable palladium catalyst and its efficient recyclability in the Heck reaction. <i>New Journal of Chemistry</i> , 2003, 27, 425-431.	2.8	79