Margarita Paneque

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Formation of Unusual Iridabenzene and Metallanaphthalene Containing Electron-Withdrawing Substituents. Journal of the American Chemical Society, 2003, 125, 9898-9899.	6.6	164
2	Iridium(III)-Induced Isomerization of 2-Substituted Pyridines to N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2006, 128, 13060-13061.	6.6	128
3	Hydrogen production from ethanol catalysed by Group 8 metal complexes. Journal of the Chemical Society Dalton Transactions, 1989, , 489.	1.1	113
4	Câ^'H Bond Activation Reactions of Ethers That Generate Iridium Carbenes. Accounts of Chemical Research, 2010, 43, 572-580.	7.6	106
5	Synthesis and Reactivity of Iridacycles Containing the Tp ^{Me2} Ir Moiety. European Journal of Inorganic Chemistry, 2011, 2011, 19-33.	1.0	101
6	Formation of Iridabenzenes by Coupling of Iridacyclopentadienes and Alkenes. Angewandte Chemie - International Edition, 2006, 45, 474-477.	7.2	81
7	Vinylidene Compounds from the Reactions of Me3SiCâ‹®CSiMe3 with TpMe2Ir Precursors. Protonation to Alkylidene and Iridabenzene Structures. Organometallics, 2006, 25, 2230-2236.	1.1	80
8	Rearrangement of Pyridine to Its 2-Carbene Tautomer Mediated by Iridium. Journal of the American Chemical Society, 2007, 129, 14130-14131.	6.6	80
9	Metallacycloheptatrienes of Iridium(III):Â Synthesis and Reactivity. Organometallics, 2007, 26, 3403-3415.	1.1	77
10	New nickel o-methylbenzyl complexes. Crystal and molecular structures of Ni(.eta.3-CH2C6H4-o-Me)Cl(PMe3) and Ni3(.eta.1-CH2C6H4-o-Me)4(PMe3)2(.mu.3-OH)2. Organometallics, 1987, 6, 1757-1765.	1.1	75
11	Synthesis and x-ray structure of the nickelabenzocyclopentene complex [cyclic](Me3P)2Ni(CH2CMe2-o-C6H4). Reactivity toward simple, unsaturated molecules and the crystal and molecular structure of the cyclic carboxylate (Me3P)2Ni(CH2CMe2-o-C6H4C(O)O). Journal of the American Chemical Society, 1989, 111, 2883-2891.	6.6	73
12	Isolation of a Stable 1-Iridabicyclo[3.2.0]hepta-1,3,6-triene and Its Reversible Transformation into an Iridacycloheptatriene. Journal of the American Chemical Society, 2004, 126, 1610-1611.	6.6	72
13	Building a Parent Iridabenzene Structure from Acetylene and Dichloromethane on an Iridium Center. Angewandte Chemie - International Edition, 2013, 52, 10068-10071.	7.2	72
14	Synthesis and characterization of some new organometallic complexes of nickel(II) containing trimethylphosphine. Polyhedron, 1989, 8, 285-291.	1.0	66
15	Generation and reactivity of sterically hindered iridium carbenes. Competitive α- vs. β-hydrogen elimination in iridium(iii) alkyls. Dalton Transactions, 2003, , 4022-4029.	1.6	59
16	Monodentate, Nâ€Heterocyclic Carbeneâ€Type Coordination of 2,2â€2â€Bipyridine and 1,10â€Phenanthroline to Iridium. Angewandte Chemie - International Edition, 2008, 47, 4380-4383.	7.2	59
17	Synthesis and Properties of TpMe2IrH4and TpMe2IrH3(SiEt3):Â Ir(V) Polyhydride Species withC3vGeometry. Journal of the American Chemical Society, 1999, 121, 346-354.	6.6	58
18	Iridium carboxycarbene complexes by CH bond activation of aliphatic ethers and of alkyl aryl ethers. Coordination Chemistry Reviews, 2005, 249, 1729-1735	9.5	57

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19	Câ^'H and Câ^'S Activation of Thiophene by Rhodium Complexes:Â Influence of the Ancillary Ligands on the Thermodynamic Stability of the Products. Organometallics, 1996, 15, 2678-2679.	1.1	53
20	Formation of β-Metallanaphthalenes by the Coupling of a Benzo-Iridacyclopentadiene with Olefins. Organometallics, 2015, 34, 177-188.	1.1	52
21	C–H bond activation reactions by TpMe2Ir(iii) centres. Generation of Fischer-type carbenes and development of a catalytic system for H/D exchange. New Journal of Chemistry, 2003, 27, 107.	1.4	49
22	The Synthesis of Iridabenzenes by the Coupling of Iridacyclopentadienes and Olefins. European Journal of Inorganic Chemistry, 2007, 2007, 2711-2720.	1.0	49
23	Formation of alkenyl ketone complexes and of dimeric .alpha.,.betabutenolides by sequential insertion of phenylacetylene and carbon monoxide into nickel-acyl bonds. X-ray structures of Ni[C(Ph) = C(H)(COCH2SiMe3)]Cl(PMe3)2 and Ni[C(Ph)(PMe3)C(H)(COCH2CMe2Ph)]Cl(PMe3). Organometallics. 1989. 8, 967-975.	1.1	48
24	Activation of Aldehydes by the Irâ^'2,3-Dimethylbutadiene Complex TpMe2Ir(CH2C(Me)C(Me)CH2). Journal of the American Chemical Society, 1999, 121, 248-249.	6.6	47
25	Substitution and Hydrogenation Reactions on Rhodium(I)â^'Ethylene Complexes of the Hydrotris(pyrazolyl)borate Ligands Tpâ€~ (Tpâ€~ = Tp, TpMe2)â€. Inorganic Chemistry, 2000, 39, 180-188.	1.9	46
26	Synthesis of [cyclic]-(Me3P)2Ni(CH2CMe2-o-C6H4) and its reactivity toward carbon dioxide, carbon monoxide and formaldehyde. First observation of a carbonyl-carbonate oxidative conproportionation mediated by a transition-metal complex. Journal of the American Chemical Society, 1986, 108, 6424-6425.	6.6	45
27	Câ^'H Bond Activation of Thiophenes by Ir Complexes of the Hydrotris(3,5-dimethylpyrazolyl)borate Ligand, TpMe2. Organometallics, 1999, 18, 139-149.	1.1	45
28	A Measureable Equilibrium between Iridium Hydride Alkylidene and Iridium Hydride Alkene Isomers. Angewandte Chemie - International Edition, 2004, 43, 3708-3711.	7.2	44
29	CC Bond-Forming Reactions of IrIII-Alkenyls and Nitriles or Aldehydes: Generation of Reactive Hydride- and Alkyl-Alkylidene Compounds and Observation of a Reversible 1,2-H Shift in Stable Hydride–IrIII Alkylidene Complexes. Chemistry - A European Journal, 2002, 8, 5132-5146.	1.7	43
30	Formation and Cleavage of Câ^'H, Câ^'C, and Câ^'O Bonds ofortho-Methyl-Substituted Anisoles by Late Transition Metals. Journal of the American Chemical Society, 2006, 128, 3512-3513.	6.6	42
31	Pyrrolyl, hydroxo, and carbonate organometallic derivatives of nickel(II). Crystal and molecular structure of [Ni(CH2C6H4-o-Me)(PMe3)(.muOH)]2.cntdot.2,5-HNC4H2Me2. Inorganic Chemistry, 1989, 28, 1895-1900.	1.9	41
32	Denticity Changes of Hydrotris(pyrazolyl)borate Ligands in RhI and RhIII Compounds: Froml̂º3- to Ionic "lº0―Tp′. Angewandte Chemie - International Edition, 2000, 39, 218-221.	7.2	40
33	Metallacyclic Pyridylidene Structures from Reactions of Terminal Pyridylidenes with Alkenes and Acetylene. Angewandte Chemie - International Edition, 2010, 49, 3496-3499.	7.2	40
34	Coupling of Internal Alkynes in TpMe2Ir Derivatives:  Selective Oxidation of a Noncoordinated Double Bond of the Resulting Iridacycloheptatrienes. Journal of the American Chemical Society, 2003, 125, 1478-1479.	6.6	39
35	Three-Center, Two-Electron M··Ĥâ^B Bonds in Complexes of Ni, Co, and Fe and the Dihydrobis(3-tert-butylpyrazolyl)borate Ligand. Inorganic Chemistry, 2002, 41, 425-428.	1.9	38
36	Deuteration Studies of Tp*IrH4 (Tp* = HB(3,5-Me2pz)3): Observation of Very Unusual 1H NMR Chemical Shift Effects. Journal of the American Chemical Society, 1994, 116, 4519-4520.	6.6	37

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37	Synthesis of η2:σ2-Diene Complexes of Iridium(III) by the Reaction of η4:π2-Diene Iridium(I) Species with Lewis Bases. Organometallics, 2000, 19, 3120-3126.	1.1	37
38	Catalytic amine-borane dehydrogenation by a PCP-pincer palladium complex: a combined experimental and DFT analysis of the reaction mechanism. Dalton Transactions, 2013, 42, 3533.	1.6	37
39	Tautomerisation of 2â€Substituted Pyridines to Nâ€Heterocyclic Carbene Ligands Induced by the 16â€e ^{â^'} Unsaturated [Tp ^{Me2} Ir ^{III} (C ₆ H ₅) ₂] Moiety. Chemistry - A European Journal, 2012, 18, 4644-4664.	1.7	35
40	Step-by-Step Uncoordination of the Pyrazolyl Rings of Hydrotris(pyrazolyl)borate Ligands in Complexes of RhI and RhIII. Chemistry - A European Journal, 2001, 7, 3868-3879.	1.7	33
41	Câ^'H Activation Reactions on Rh(I)â^'Ethylene Complexes of the Hydrotris(3,5-dimethylpyrazolyl)borate Ligand, TpMe2. Organometallics, 1999, 18, 4304-4310.	1.1	32
42	eta.1- And .eta.2-Alkaneimidoyl complexes of nickel: synthesis and properties. Organometallics, 1990, 9, 583-588.	1.1	31
43	Decarbonylation of Aliphatic Aldehydes by a Tp ^{Me2} Ir(III) Metallacyclopentadiene. Organometallics, 2012, 31, 716-721.	1.1	31

Reactivity Studies of Iridium Pyridylidenes

44

#	Article	IF	CITATIONS
55	Synthetic, Mechanistic, and Theoretical Studies on the Generation of Iridium Hydride Alkylidene and Iridium Hydride Alkene Isomers. Chemistry - A European Journal, 2009, 15, 9046-9057.	1.7	25
56	Monohapto co-ordination of poly(tert-butylpyrazolyl)borate ligands in nickel and palladium complexes. Journal of the Chemical Society Dalton Transactions, 1992, , 2651-2652.	1.1	24
57	Reaction of the Iridacyclopentadiene TpMe2Ir(C(R)â•C(R)C(R)â•C(R))(H2O) (R = CO2Me) with Alkynes. Organometallics, 2009, 28, 172-180.	1.1	23
58	Alkyne insertion reactions in nickel acyl complexes. Occurrence of a 1,2-trimethylphosphine shift and the x-ray structures of [cyclic] Ni[C(Ph):C(H)(COCH2SiMe3)]Cl(PMe3)2 and [cyclic] Ni[C(Ph)(PMe3)C(H)(COCH2CMe2Ph)]Cl(PMe3)6. Organometallics, 1984, 3, 1438-1440.	1.1	22
59	Formation of 2-thienyl derivatives during the thermal activation of thiophene by Tpâ^—Ir(C2H4)2. Journal of Organometallic Chemistry, 1995, 504, 147-149.	0.8	22
60	Hydrogenation/dehydrogenation of N-heterocycles catalyzed by ruthenium complexes based on multimodal proton-responsive CNN(H) pincer ligands. Dalton Transactions, 2020, 49, 9583-9587.	1.6	21
61	Further studies on organonickel compounds: the synthesis of some new alkyl-, acyl- and cyclopentadienyl-derivatives and the crystal structure of trans-[Ni(CH2SiMe3)2(PMe3)2]. Polyhedron, 1984, 3, 317-323.	1.0	19
62	Unusual fragmentation of CH2Cl2by an Ir(iii) centre bonded to a doubly metalated TpMsLigand (TpMs=) Tj ETQ	q0	T /Qyerlock 10
63	Coupling of Aromatic Aldehydes with CO ₂ Me-Substituted Tp ^{Me2} Ir(III) Metallacyclopentadienes. Organometallics, 2012, 31, 3185-3198.	1.1	19
64	Reaction of 2-Methylanisole with Tp ^{Me2} Ir(C ₆ H ₅) ₂ (N ₂): A Comprehensive Set of Activations. Organometallics, 2013, 32, 565-569.	1.1	19
65	Hydroboration of carbon dioxide with catechol- and pinacolborane using an Ir–CNP* pincer complex. Water influence on the catalytic activity. Dalton Transactions, 2018, 47, 16766-16776.	1.6	18
66	A Diels–Alder Reaction Triggered by a [4 + 3] Metallacycloaddition. Journal of the American Chemical Society, 2015, 137, 4074-4077.	6.6	17
67	Loss of pentamethylcyclopentadiene from pentamethylcyclopentadienylrhodium hydride complexes. Journal of the Chemical Society Chemical Communications, 1989, , 105.	2.0	16
68	Formation of Palladium- and Platinum-Substituted Fulvenes by Cyclopentadienyl Activation in a Formal Insertion Reaction. Organometallics, 1997, 16, 301-303.	1.1	16
69	Reaction of [TpRh(C ₂ H ₄) ₂] with Dimethyl Acetylenedicarboxylate: Identification of Intermediates of the [2+2+2] Alkyne and Alkyne–Ethylene Cyclo(co)trimerizations. Chemistry - A European Journal, 2016, 22, 13715-13723.	1.7	16
70	Dinitrogen, butadiene and related complexes of molybdenum. Crystal structures of [Mo(N2)(PMe3)5] and [Mo(η3-CH3CHCHCH2)(η4-C4H6)(PEt3)2][BF4]. Journal of the Chemical Society Dalton Transactions, 1995, , 3801-3808.	1.1	15
71	CN Bond Formation by O ₂ â€Mediated Dehydrogenative Coupling of Phenyl and NHâ€pyridylidene Ligands on Tplr ^{III} Complexes. Chemistry - A European Journal, 2011, 17, 9302-9305.	1.7	15
72	Alkylidenes by .alphahydrogen abstraction from metallacycles. Synthesis and characterization of alkylidene-bridged complexes of nickel. Organometallics, 1993, 12, 4431-4442.	1.1	14

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73	Iridium solutes effect C–H bond activation and C–C bond forming reactions of C6H6–MeOCH2CH2OMe solvent mixtures. Chemical Communications, 2004, , 1838-1839.	2.2	14
74	Generation of Metallacyclic Structures from the Reactions of Vinyl Ethers with a Tp ^{Me2} Ir ^{III} Compound. Organometallics, 2008, 27, 6353-6359.	1.1	14
75	Bis- And tris(pyrazolyl)borate complexes of the heavier alkaline-earth elements Ca, Sr and Ba. Polyhedron, 1996, 15, 3453-3463.	1.0	13
76	Substitution reactions in cyclometallated complexes. Crystal and molecular structure of	1.0	12
77	Ethoxycarbonyl-, cyano- and methoxy-methyl complexes of nickel(II) and their carbonylation reactions. Journal of the Chemical Society Dalton Transactions, 1992, , 1491-1495.	1.1	12
78	Transition Metal Migration upon Attempting the Wolff Rearrangement of an Ir(III) Five-Membered Metallacycle. Journal of the American Chemical Society, 2007, 129, 6092-6093.	6.6	12
79	Iridium(iii) complexes with polypyridine ligands coordinated as N-heterocyclic carbenes. Synthesis, structure and photophysical properties. Dalton Transactions, 2012, 41, 14126.	1.6	12
80	Tautomerization of Pyridine and 2-Substituted Pyridines to Pyridylidene Ligands by the Iridium(I)–Diene Complex Tp ^{Me2} Ir(η ⁴ -CH ₂ ╀(Me)C(Me)╀H ₂). Organometallics, 2014, 33, 498-510.	1.1	12
81	Selective, Base-Free Hydrogenation of Aldehydes Catalyzed by Ir Complexes Based on Proton-Responsive Lutidine-Derived CNP Ligands. Organometallics, 2021, 40, 1314-1327.	1.1	12
82	New nickel o-xylyl complexes. Crystal and molecular structure of Ni3(CH2C6H4Me-o)4(PMe3)2(.mu.3-OH)2. Organometallics, 1985, 4, 2053-2055.	1.1	11
83	X-ray crystal structure of [Ni{î·2â^'C(NBut)CH(SiMe3)2}Cl(PMe3)], the first structurally characterized î·2-alkaneimidoyl complex of nickel. Polyhedron, 1995, 14, 323-326.	1.0	10
84	Barium and titanium aryl oxides as precursors for the preparation of thin-film oxides. The effect of bombardment by O2+. Journal of the Chemical Society Dalton Transactions, 1995, , 1529-1536.	1.1	10
85	Oxidative Coupling in the Reaction of TpMe2Ir(2,3-dimethylbutadiene) with Diphenylacetylene. Organometallics, 2007, 26, 1900-1906.	1.1	10
86	Iridafurans by Coupling of Alkynes and Aldehydes on a TpMe2Ir System. Facile Demethoxycarbonylation of a β-CO2Me Substituent. Organometallics, 2010, 29, 5744-5747.	1.1	10
87	Hydrogenation of an iridium-coordinated imidazol-2-ylidene ligand fragment. Chemical Communications, 2018, 54, 3843-3846.	2.2	10
88	Dialkyl complexes of nickel(II) containing chelating diphosphines. The crystal structure of [Ni(CH2SiMe2Ph)2(i Pr2PCH2CH2PiPr2)]. Journal of Organometallic Chemistry, 1993, 444, 245-250.	0.8	9
89	C–H Bond activation and C–C bond formation in the reaction of 2,5-dimethylthiophene with TpMe2Ir compounds. Dalton Transactions, 2005, , 1422-1427.	1.6	8
90	Mild Oxidation of Câ^'C Bonds of Benzoiridacycles. Organometallics, 2010, 29, 2835-2838.	1.1	8

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91	Facile Oxygen Atom Insertion into Unactivated C(sp3)–C(sp2) Single Bonds in Reactions of Iridium(III) Complexes with O2. Organometallics, 2013, 32, 714-717.	1.1	8
92	Synthesis of new heteroscorpionate iridium(<scp>i</scp>) and iridium(<scp>iii</scp>) complexes. Dalton Transactions, 2015, 44, 6987-6998.	1.6	8
93	Hydrogen bond networks in five- and eight-membered palladium and platinum complexes derived from bis(2-aminophenyl)thioether ligands. Polyhedron, 2015, 90, 165-174.	1.0	8
94	Electron-rich metal complexes for CO2 and CS2 incorporation. Pure and Applied Chemistry, 1989, 61, 1701-1706.	0.9	8
95	Synthesis and structural characterization of volatile poly(3,5-dimethyl-1-pyrazolyl)-borate-complexes of Ca, Sr, and Ba. Journal of Organometallic Chemistry, 1994, 474, C5-C7.	0.8	7
96	Alkyl and alkaneimidoyl derivatives of Nickel(II) That contain the bulky CH(SiMe3)2 Group. Polyhedron, 1996, 15, 3501-3509.	1.0	7
97	Unexpected reactivity of 2,5-dimethylthiophene towards TpMe2Ir(C2H4)2. Inorganica Chimica Acta, 2003, 345, 367-369.	1.2	7
98	Experimental Evidences in Favour of the Hydroxylamine→Nitrene–Water Tautomerization on the Coordination Sphere of Ir ^{III} Centres. Chemistry - A European Journal, 2013, 19, 10128-10131.	1.7	7
99	Aldehydeâ€Assisted Hydrogen Transfer during the Formation of Hydride–Iridafurans from Alkynes and Aldehydes. Chemistry - A European Journal, 2013, 19, 1796-1809.	1.7	7
100	Reactivity of Tp ^{Me2} -Containing Hydride–Iridafurans with Alkenes, Alkynes, and H ₂ . Organometallics, 2014, 33, 6431-6442.	1.1	7
101	Synthesis and reactivity studies of Pd(II) complexes of the bulky CH(SiMe3)2 group. X ray structure of the indenyl derivative (i-Ind)Pd[CH(SiMe3)2](PMe3). Journal of Organometallic Chemistry, 1999, 577, 316-322.	0.8	6
102	Ethylene Coordination and Acetylene Dimerization at Tp′IrIII Centers. Organometallics, 2009, 28, 4649-4651.	1.1	6
103	Reactivity of a Tp–Iridacyclopentene Complex. Organometallics, 2015, 34, 5438-5453.	1.1	6
104	Metalated Ir–CNP Complexes Containing Imidazolinâ€2â€ylidene and Imidazolidinâ€2â€ylidene Donors – Synthesis, Structure, Luminescence, and Metal–Ligand Cooperative Reactivity. European Journal of Inorganic Chemistry, 2020, 2020, 3944-3953.	1.0	6
105	Unusual alkylidene-bridged complexes of nickel by α-H abstraction from a nickelacycle. Crystal and molecular structure of [{Ni2(CHCMe2-o-C6H4)Cl(PMe3)2}2]. Journal of the Chemical Society Chemical Communications, 1991, .	2.0	4
106	Study of the Coordination Modes of Hybrid NNCp Cyclopentadienyl/Scorpionate Ligands in Ir Compounds. Inorganic Chemistry, 2019, 58, 900-908.	1.9	4
107	Allylic C–H Activation of Olefins by a TpMe2IrIII Compound. European Journal of Inorganic Chemistry, 2016, 2016, 2534-2542	1.0	3
108	Functionalization of 3â€ŀridacyclopentenes. Chemistry - A European Journal, 2017, 23, 16346-16356.	1.7	3

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109	Generation and Reactivity of Sterically Hindered Iridium Carbenes. Competitive α- versus β-Hydrogen Elimination in Iridium(III) Alkyls. ChemInform, 2004, 35, no.	0.1	Ο
110	Chlorido[1-(2-oxidophenyl)ethylidene][tris(3,5-dimethylpyrazol-1-yl)hydroborato]iridium(III) chloroform monosolvate. Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m224-m225.	0.2	0
111	(Butane-1,4-diyl)(trimethylphosphane-Î⁰P)[tris(3,5-dimethylpyrazol-1-yl-Î⁰N2)hydroborato]iridium(III). Acta Crystallographica Section E: Structure Reports Online, 2013, 69, m234-m235.	0.2	0