

MarÃ-a A Garralda

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Aldehyde C-H activation with late transition metal organometallic compounds. Formation and reactivity of acyl hydrido complexes. Dalton Transactions, 2009, , 3635.	3.3	88
2	Synthesis and Characterization of Hydridoirida- η^2 -diketones Formed by the Reaction of $[\{\text{Ir}(\text{Cod})\text{Cl}\}_2]$ (Cod = 1,5-cyclooctadiene) with o-(Diphenylphosphino)benzaldehyde. Organometallics, 2003, 22, 3600-3603.	2.3	44
3	Hydroxyalkyl Complexes and Hemiaminal Formation in the Reaction of o-Diphenylphosphinobenzaldehyde with Rhodium(I) Dihydrazone Complexes. Organometallics, 2000, 19, 5310-5317.	2.3	42
4	A readily accessible ruthenium catalyst for the solvolytic dehydrogenation of amine-borane adducts. Dalton Transactions, 2014, 43, 11404.	3.3	40
5	A hydridoirida- η^2 -diketone as an efficient and robust homogeneous catalyst for the hydrolysis of ammonia-borane or amine-borane adducts in air to produce hydrogen. Dalton Transactions, 2010, 39, 7226.	3.3	34
6	Rhodium(III) Acyl Hydrido, Acyl Hydroxyalkyl, Diacyl, Acyl Hydrido Aldehyde, and Acyl Hydrido Alcohol Complexes. Reduction of Aldehyde to Alcohol through Rhodium Hydroxyalkyl Complexes. Organometallics, 2007, 26, 1031-1038.	2.3	27
7	Efficient hydridoirida- η^2 -diketone-catalyzed hydrolysis of ammonia- or amine-boranes for hydrogen generation in air. Dalton Transactions, 2013, 42, 11652.	3.3	22
8	Stereoselective formation and catalytic activity of hydrido(acylphosphane)(chlorido)(pyrazole)rhodium complexes. Experimental and DFT studies. Dalton Transactions, 2015, 44, 13141-13155.	3.3	22
9	Rhodium(III) Catalyzed Solvent-Free Tandem Isomerization-Hydrosilylation From Internal Alkenes to Linear Silanes. ChemCatChem, 2017, 9, 1901-1905.	3.7	22
10	o-(Diphenylphosphino)benzaldehyde: a versatile ligand and a useful hemilabile ligand precursor. Comptes Rendus Chimie, 2005, 8, 1413-1420.	0.5	21
11	Novel Hydridoirida- η^2 -diketones Containing Small Molecules, CO, or Ethylene: Their Behavior in Coordinating Solvents Such as Dimethylsulfoxide or Acetonitrile. Inorganic Chemistry, 2005, 44, 9084-9091.	4.0	21
12	Experimental Evidence Supporting Related Mechanisms for Ru(II)-Catalyzed Dehydrocoupling and Hydrolysis of Amine-Boranes. ACS Catalysis, 2017, 7, 8394-8405.	11.2	21
13	Reactions of Hydridoirida- η^2 -diketones with Amines or with 2-Aminopyridines: Formation of Hydridoirida- η^2 -ketoimines, PCN Terdentate Ligands, and Acyl Decarbonylation. Inorganic Chemistry, 2012, 51, 1760-1768.	4.0	18
14	Reactivity of hydridoirida- η^2 -diketones with bases: the selective formation of new di- η^4 -acyl- η^4 -hydridodiridium(III) or dihydridoirida- η^2 -diketone complexes and heterometallic Ir(III)-Rh(I) derivatives. Dalton Transactions, 2008, , 4602.	3.3	17
15	Hyrido{(acylphosphine)(diphenylphosphinous acid)}rhodium(III) Complexes. Catalysts for the Homogeneous Hydrolysis of Ammonia- or Amine-Boranes under Air. Organometallics, 2014, 33, 6044-6052.	2.3	17
16	Proton-responsive Ruthenium(II) Catalysts for the Solvolysis of Ammonia-Borane. Organometallics, 2020, 39, 1238-1248.	2.3	17
17	Synthesis and Reactivity of New Mono- and Dinuclear Hydridoirida- η^2 -diketones - The Formation and Characterization of a Dinuclear Tris- η^4 -acyliridium(III) Complex. European Journal of Inorganic Chemistry, 2006, 2006, 3893-3900.	2.0	15
18	Selective Formation of Rhodium Diacyl or Acyl Hydrido Hemiaminal Complexes in the Reaction of o-(Diphenylphosphino)benzaldehyde with Rhodium 2-Aminopyridine or 2-(Aminomethyl)pyridine Compounds. Organometallics, 2007, 26, 5369-5376.	2.3	14

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19	From Remote Alkenes to Linear Silanes or Allylsilanes depending on the Metal Center. <i>ChemCatChem</i> , 2018, 10, 2210-2213.	3.7	14
20	Silyl- π -thioether Multidentate Ligands – Synthesis of Rh ^{III} Complexes via Rh ^I /Rh ^{III} Mixed-Valent and Cyclooctenyl Intermediates. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5451-5456.	2.0	13
21	Dehydrogenative Coupling of a Tertiary Silane Using Wilkinson's Catalyst. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 2891-2895.	2.0	13
22	On the Reactivity of Dihydroiridate ^{II} -diketones with 2-Aminopyridines. Formation of Acylhydrido Complexes with New PCN Terdentate Ligands. <i>Organometallics</i> , 2015, 34, 348-354.	2.3	11
23	Steric Effects in the Catalytic Tandem Isomerization-Hydrosilylation Reaction. <i>ChemCatChem</i> , 2021, 13, 1403-1409.	3.7	8
24	Iridium and Rhodium Complexes with the Hemilabile Ligand [2-(1,3-dioxolane-2-yl)phenyl]diphenylphosphane – Behaviour in Solution and Structural Characterization. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1225-1235.	2.0	7
25	A pentacoordinated norbornenyl-acyl-rhodium(III) complex as a likely intermediate in the catalytic hydroacylation of norbornadiene. <i>Dalton Transactions</i> , 2016, 45, 18502-18509.	3.3	7
26	Alkene-alkyl interconversion: an experimental and computational study of the olefin insertion and η^2 -hydride elimination processes. <i>Dalton Transactions</i> , 2018, 47, 6808-6818.	3.3	7
27	A phosphine-stabilized silylene rhodium complex. <i>Dalton Transactions</i> , 2019, 48, 17179-17183.	3.3	7
28	Acyliridium(III) Complexes with PCN Terdentate Ligands Including Imino- or Iminium-Acyl Moieties or Formation of Hydrido from Hydroxyl. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 1790-1797.	2.0	6
29	Secondary Oxide Phosphines to Promote Tandem Acyl-Alkyl Coupling/Hydrogen Transfer to Afford (Hydroxyalkyl)rhodium Complexes. Theoretical and Experimental Studies. <i>Inorganic Chemistry</i> , 2018, 57, 5307-5319.	4.0	6
30	Rh(III)-Catalysed solvent-free hydrodehalogenation of alkyl halides by tertiary silanes. <i>Dalton Transactions</i> , 2018, 47, 16225-16231.	3.3	5
31	Acyl(furfurylamine)iridium(III) complexes from iridate ^{II} -diketones. Characterisation and catalytic activity in amine-borane hydrolysis. <i>Inorganica Chimica Acta</i> , 2019, 498, 119165.	2.4	4
32	Si-C(sp ³) bond activation through oxidative addition at a Rh(I) centre. <i>Dalton Transactions</i> , 2020, 49, 5416-5419.	3.3	4
33	Experimental and DFT studies on Hexacoordinated acyl(alkyl)and Pentacoordinated Hydroxyalkyl(phosphinite)rhodium(III). Catalytic Hydrolysis of Ammonia Borane. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 879-891.	2.0	4
34	(Diphenylphosphino)alkylaldehyde affords hydride- or alkyl-[(diphenylphosphino)alkylacyl]rhodium(III) or (diphenylphosphino)alkylester complexes: theoretical and experimental diastereoselectivity. <i>Dalton Transactions</i> , 2019, 48, 3300-3313.	3.3	4
35	On the Reactivity of Platinate ^{II} -diketone and Acetylplatinum(II) Complexes toward 2-(Diphenylphosphanyl)benzaldehyde and Its Dioxolane Derivative. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5418-5427.	2.0	3
36	Efficient Homogeneous Hydroiridate ^{II} -Diketone-Catalyzed Methanolysis of Ammonia-Borane for Hydrogen Release in Air. Mechanistic Insights. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 3131-3138.	2.0	3

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37	Irida- η^2 -ketoimines Derived from Hydrazines To Afford Metallapyrazoles or N=C Bond Cleavage: A Missing Metallacycle Disclosed by a Theoretical and Experimental Study. <i>Inorganic Chemistry</i> , 2016, 55, 10284-10293.	4.0	1
38	Oxidative Addition of Secondary Phosphine Oxides through Rh(I) Center. Hydrido-Phosphinito-Rh(III) Complexes and their Catalytic Activity in Hydrophosphinylation of Alkynes. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 4935.	2.0	1