Manuel Iglesias

List of Publications by Year
in descending order

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51 papers	2,119 citations	201674 27 h-index	233421 45 g-index
62 all docs	62 docs citations	62 times ranked	2015 citing authors

#	Article	IF	Citations
1	Novel Expanded Ring N-Heterocyclic Carbenes: Free Carbenes, Silver Complexes, And Structures. Organometallics, 2008, 27, 3279-3289.	2.3	231
2	Effective Fixation of CO₂ by Iridiumâ€Catalyzed Hydrosilylation. Angewandte Chemie - International Edition, 2012, 51, 12824-12827.	13.8	130
3	First Examples of Diazepanylidene Carbenes and Their Late-Transition-Metal Complexes. Organometallics, 2007, 26, 4800-4809.	2.3	121
4	A leap forward in iridiumâ€“NHC catalysis: new horizons and mechanistic insights. Chemical Society Reviews, 2018, 47, 2772-2808.	38.1	112
5	Expanded ring and functionalised expanded ring N-heterocyclic carbenes as ligands in catalysis. Dalton Transactions, 2009, , 7099.	3.3	93
6	An Alternative Mechanistic Paradigm for the Î²â€Z Hydrosilylation of Terminal Alkynes: The Role of Acetone as a Silane Shuttle. Chemistry - A European Journal, 2013, 19, 17559-17566.	3.3	81
7	Synthesis and Structural Features of Rhodium Complexes of Expanded Ring Nâ€Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2009, 2009, 1913-1919.	2.0	72
8	Expanding the family of mesoionic complexes: donor properties and catalytic impact of palladated isoxazolylidenes. Dalton Transactions, 2010, 39, 5213.	3.3	71
9	Outerâ€Sphere Ionic Hydrosilylation Catalysis. ChemCatChem, 2014, 6, 2486-2489.	3.7	62
10	Donor-Functionalised Expanded Ring N-Heterocyclic Carbenes: Highly Effective Ligands in Ir-Catalysed Transfer Hydrogenation. European Journal of Inorganic Chemistry, 2010, 2010, 5426-5431.	2.0	61
11	A synthon for a 14-electron Ir(iii) species: catalyst for highly selective Î²-(Z) hydrosilylation of terminal alkynes. Chemical Communications, 2012, 48, 9480.	4.1	60
12	Mechanistic Considerations on Homogeneously Catalyzed Formic Acid Dehydrogenation. European Journal of Inorganic Chemistry, 2018, 2018, 2125-2138.	2.0	56
13	Polyoxometalateâ€Based Nâ€Heterocyclic Carbene (NHC) Complexes for Palladiumâ€Mediated Cï£¿C Coupling and Chloroaryl Dehalogenation Catalysis. Chemistry - A European Journal, 2010, 16, 10662-10666.	3.3	55
14	CO₂ Activation and Catalysis Driven by Iridium Complexes. ChemCatChem, 2013, 5, 3481-3494.	3.7	53
15	Hydrosilylation of Terminal Alkynes Catalyzed by a ONO-Pincer Iridium(III) Hydride Compound: Mechanistic Insights into the Hydrosilylation and Dehydrogenative Silylation Catalysis. Organometallics, 2016, 35, 2410-2422.	2.3	52
16	Hydrolysis and Methanolysis of Silanes Catalyzed by Iridium(III) Bis-N-Heterocyclic Carbene Complexes: Influence of the Wingtip Groups. Organometallics, 2015, 34, 2378-2385.	2.3	51
17	Abnormal NHC Palladium Complexes: Synthesis, Structure, and Reactivity. Current Organic Chemistry, 2011, 15, 3325-3336.	1.6	48
18	A well-defined NHCâ€“Ir(iii) catalyst for the silylation of aromatic Câ€“H bonds: substrate survey and mechanistic insights. Chemical Science, 2017, 8, 4811-4822.	7.4	44

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19	Non-classical hydrosilane mediated reductions promoted by transition metal complexes. Coordination Chemistry Reviews, 2019, 386, 240-266.	18.8	44
20	Heterogeneous catalysts based on supported Rhâ€“NHC complexes: synthesis of high molecular weight poly(silyl ether)s by catalytic hydrosilylation. Catalysis Science and Technology, 2014, 4, 62-70.	4.1	37
21	Preferential Î±â€Hydrosilylation of Terminal Alkynes by Bisâ€Nâ€Heterocyclic Carbene Rhodium(III) Catalysts. Advanced Synthesis and Catalysis, 2015, 357, 350-354.	4.3	37
22	Tuning PCPâ€“Ir complexes: the impact of an N-heterocyclic olefin. Chemical Communications, 2015, 51, 12431-12434.	4.1	37
23	N-Heterocyclic olefins as ancillary ligands in catalysis: a study of their behaviour in transfer hydrogenation reactions. Dalton Transactions, 2016, 45, 12835-12845.	3.3	37
24	Synthesis of Poly(silyl ether)s by Rhodium(I)â€“NHC Catalyzed Hydrosilylation: Homogeneous versus Heterogeneous Catalysis. ChemCatChem, 2013, 5, 1133-1141.	3.7	34
25	Argentophilicity as Essential Driving Force for a Dynamic Cationâ€“Cation Hostâ€“Guest System: [Ag(acetonitrile)₂]⁺âŠ,[Ag₂(bis-NHC)₂]²⁺ (NHC = N-Heterocyclic Carbene). Inorganic Chemistry, 2014, 53, 10654-10659.	4.0	31
26	A highly efficient Ir-catalyst for the solventless dehydrogenation of formic acid: the key role of an N-heterocyclic olefin. Green Chemistry, 2018, 20, 4875-4879.	9.0	29
27	Selective Cï¿½H Bond Functionalization of 2â€(2â€Thienyl)pyridine by a Rhodium Nâ€Heterocyclic Carbene Catalyst. ChemCatChem, 2014, 6, 3192-3199.	3.7	28
28	Efficient Rhodiumâ€Catalyzed Multicomponent Reaction for the Synthesis of Novel Propargylamines. Chemistry - A European Journal, 2015, 21, 17701-17707.	3.3	27
29	From Imidazole toward Imidazolium Salts and N-Heterocyclic Carbene Ligands: Electronic and Geometrical Redistribution. ACS Omega, 2017, 2, 1392-1399.	3.5	26
30	Iridium(III) Complexes Bearing Chelating Bis-NHC Ligands and Their Application in the Catalytic Reduction of Imines. European Journal of Inorganic Chemistry, 2016, 2016, 4598-4603.	2.0	25
31	Expandedâ€Ring and Backboneâ€Functionalised Nâ€Heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2010, 2010, 1604-1607.	2.0	24
32	A bimetallic iridium(ii) catalyst: [{Ir(IDipp)(H)}2][BF4]2 (IDipp =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (1,3-bis(2,6-diisopropylph	4.1	21
33	Direct Xâ€Ray Scattering Evidence for Metalâ€“Metal Interactions in Solution at the Molecular Level. Angewandte Chemie - International Edition, 2015, 54, 12762-12766.	13.8	20
34	Impact of Protic Ligands in the Ir-Catalyzed Dehydrogenation of Formic Acid in Water. Organometallics, 2018, 37, 3611-3618.	2.3	18
35	An Insight into Transfer Hydrogenation Reactions Catalysed by Iridium(III) Bisâ€Nâ€heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2015, 2015, 4388-4395.	2.0	17
36	A new, mild one-pot synthesis of iodinated heterocycles as suitable precursors for N-heterocyclic carbene complexes. Tetrahedron Letters, 2010, 51, 5423-5425.	1.4	15

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37	Catalytic Hydrodechlorination of Benzyl Chloride Promoted by Rhâ€“Nâ€heterocyclic Carbene Catalysts. ChemSusChem, 2015, 8, 495-503.	6.8	15
38	Efficient preparation of carbamates by Rh-catalysed oxidative carbonylation: unveiling the role of the oxidant. Chemical Communications, 2017, 53, 404-407.	4.1	15
39	Advances in Nonprecious Metal Homogeneously Catalyzed Formic Acid Dehydrogenation. Catalysts, 2021, 11, 1288.	3.5	15
40	Impact of Green Cosolvents on the Catalytic Dehydrogenation of Formic Acid: The Case of Iridium Catalysts Bearing NHC-phosphane Ligands. Inorganic Chemistry, 2021, 60, 15497-15508.	4.0	11
41	Synthesis and Oxidation of a Paddlewheelâ€Shaped Rhodium/Antimony Complex Featuring Pyridineâ€2â€Thiolate Ligands. Chemistry - A European Journal, 2017, 23, 3447-3454.	3.3	10
42	Orthometallation of N-substituents at the NHC ligand of [Rh(Cl)(COD)(NHC)] complexes: its role in the catalytic hydrosilylation of ketones. Catalysis Science and Technology, 2015, 5, 1878-1887.	4.1	9
43	Preparation and characterization of chloro- and polyhydride complexes of rhenium: Variable-temperature NMR spectroscopy and protonation studies. Journal of Organometallic Chemistry, 2005, 690, 4899-4907.	1.8	8
44	Dehydrogenation of formic acid using iridium-NSi species as catalyst precursors. Dalton Transactions, 2022, 51, 4386-4393.	3.3	8
45	Binuclear Iridium Complexes in Catalysis. Topics in Organometallic Chemistry, 2015, , 31-58.	0.7	6
46	Dimethylphosphinate bridged binuclear Rh(i) catalysts for the alkoxycarbonylation of aromatic Câ€“H bonds. Dalton Transactions, 2016, 45, 16955-16965.	3.3	6
47	Bond Activation and Catalysis. , 2013, , 399-432.		4
48	Experimental and Computational Studies on the Reactivity and Binding Mode of Thiophene with N-Heterocyclic Carbene Iridium Complexes. Organometallics, 2016, 35, 569-578.	2.3	4
49	Iridium catalysts featuring amine-containing ligands for the dehydrogenation of formic acid. Journal of Organometallic Chemistry, 2020, 916, 121259.	1.8	3
50	Photocatalytic Activity in the In-Flow Degradation of NO on Porous TiO2â€“Coated Glasses from Hybrid Inorganicâ€“Organic Thin Films Prepared by a Combined ALD/MLD Deposition Strategy. Coatings, 2022, 12, 488.	2.6	1
51	Iridium-Catalyzed Silylation. Topics in Organometallic Chemistry, 2020, , 227-270.	0.7	0