# Jesus M Martinez-Ilarduya

## List of Publications by Citations



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| 37 papers | 922 citations | 18 h-index | 30 g-index |
| 37 ext. papers | 1,028 ext. citations | 4.9 avg, IF | 3.91 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 37 | The Stille Reaction, 38 Years Later. *ACS Catalysis*, **2015**, 5, 3040-3053 | 13.1 | 245 |
| 36 | 19F NMR in organometallic chemistry. *Coordination Chemistry Reviews*, **2008**, 252, 2180-2208 | 23.2 | 54 |
| 35 | Snapshots of a Stille reaction. *Chemical Communications*, **2001**, 339-340 | 5.8 | 46 |
| 34 | 3,5-dichlorotrifluorophenyl complexes, aryl derivatives with simple 19F NMR structural probes. The synthesis of general precursors for Pd- and Pt complexes. *Journal of Organometallic Chemistry*, **1998**, 551, 9-20 | 2.3 | 45 |
| 33 | Kinetic Study of the Dynamic Behavior of [M(C6F5)X(OPPynPh3-n)] (M = Pd, Pt; X = C6F5, Halide; n = 1□): Activation Parameters for the Restricted Rotation about the M□Aryl Bond and for the Py Associative Exchange. *Organometallics*, **1997**, 16, 770-779 | 3.8 | 43 |
| 32 | Stable Nickel Catalysts for Fast Norbornene Polymerization: Tuning Reactivity. *European Journal of Inorganic Chemistry*, **2005**, 2005, 3825-3831 | 2.3 | 43 |
| 31 | Oxidative Addition of Group 14 Element Hydrido Compounds to OsH(2)(eta(2)-CH(2)=CHEt)(CO)(P(i)Pr(3))(2): Synthesis and Characterization of the First Trihydrido-Silyl, Trihydrido-Germyl, and Trihydrido-Stannyl Derivatives of Osmium(IV). *Inorganic Chemistry*, **1996**, 35, 1250-1256 | 5.1 | 41 |
| 30 | Dioxomolybdenum(VI) halides as oxotransfer catalysts. *Polyhedron*, **1994**, 13, 3257-3259 | 2.7 | 40 |
| 29 | Preparation of carbonyl, halogeno, and alkyl niobocene complexes and their reactions with oxygen. Crystal structures of [Nb(□C5H4SiMe3)2Cl2], [Nb(□C5H4SiMe3)2(O)Me], and [Nb(□C5H4SiMe3)2(C6F5)(CO)]. *Journal of the Chemical Society Dalton Transactions*, **1988**, 2685-2693 | | 29 |
| 28 | Syntheses, structures, and reactions of alkenyl-dirhodium complexes: coupling □methylene and □vinyl to allyl; an entry to □ethylidene-□methylene dirhodium complexes. Crystal structures of [{(C5Me5Rh)(□CH2)(CH?CH2)}2] and [(C5Me5Rh)2(□CH2)(□CHMe)Cl2]. *Journal of Organometallic Chemistry*, **1990**, 394, 583-599 | 2.3 | 25 |
| 27 | Promoting Difficult Carbon-Carbon Couplings: Which Ligand Does Best?. *Angewandte Chemie - International Edition*, **2016**, 55, 13276-13280 | 16.4 | 24 |
| 26 | Microporous Polymer Networks for Carbon Capture Applications. *ACS Applied Materials & Interfaces*, **2018**, 10, 26195-26205 | 9.5 | 22 |
| 25 | Bi-imidazole (H2bim) and bibenzimidazole □3-allylic complexes of palladium(II). Mono- and tetra-nuclear palladium(II) and heteronuclear palladium(II)□hodium(I) complexes. Crystal structure of [Pd4(□3-C3H5)4(□-bim)2]□CH2Cl2. *Journal of the Chemical Society Dalton Transactions*, **1983**, 1729-1737 | | 22 |
| 24 | The coupling of vinyl and □-methylene ligands: a new view of the mechanism of the Fischer□ropsch polymerisation reaction. *Journal of the Chemical Society Chemical Communications*, **1989**, 286-287 | | 21 |
| 23 | Synthesis and reactivity of bis(trimethylsilylcyclopentadienyl)- niobium compounds with cumulene ligands. *Journal of Organometallic Chemistry*, **1987**, 335, 85-90 | 2.3 | 21 |
| 22 | The 3,5-Dichlorotrifluorophenyl Ligand, a Useful Tool for the Study of Coordination Modes and Dynamic Behavior of Complexes of Palladium and Platinum. *European Journal of Inorganic Chemistry*, **1998**, 1998, 1745-1753 | 2.3 | 20 |
| 21 | New dicyclopentadienyl phosphine, phosphite, and acetylene niobium(III) complexes. Crystal structure of [Nb(□C5H4SiMe3)2Cl(PhCCPh)]. *Journal of the Chemical Society Dalton Transactions*, **1987**, 975-980 | | 20 |

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| 20 | Experimental Study of the Mechanism of the Palladium-Catalyzed Aryl–Alkyl Negishi Coupling Using Hybrid Phosphine–Electron-Withdrawing Olefin Ligands. *Organometallics*, **2014**, 33, 4394-4400 | 3.8 | 19 |
| 19 | Structural and dynamic studies in solution of anionic dinuclear azolato-bridged palladium(II) complexes. *Journal of Organometallic Chemistry*, **2002**, 663, 108-117 | 2.3 | 14 |
| 18 | Diamine-catalyzed addition of ZnEt2 to PhC(O)CF3 : two mechanisms and autocatalytic asymmetric enhancement. *Chemistry - A European Journal*, **2014**, 20, 14800-6 | 4.8 | 12 |
| 17 | Molecular and Merrifield supported chiral diamines for enantioselective addition of ZnR2 (R = Me, Et) to ketones. *Dalton Transactions*, **2013**, 42, 14576-82 | 4.3 | 12 |
| 16 | Highly Enantioselective Addition of Dialkylzinc to Trifluoroacetophenones, Catalyzed by 1,2-Diamines. Synthesis of Key Fragments of Inhibitors of the Enzyme 11β-HSD1 and Kinetic Analysis of the Process. *Organometallics*, **2010**, 29, 6402-6407 | 3.8 | 12 |
| 15 | Synthesis and reactions of di, tri- and tetra-nuclear cationic complexes derived from bis(η-methylenepentamethylcyclopentadienyl)dirhodium: the crystal structure of tetranuclear [{(C5Me5Rh-μ-CH2)2}2(μ-CN)2](PF6)2. *Journal of Organometallic Chemistry*, **1991**, 405, 393-402 | 2.3 | 12 |
| 14 | Study of the replacement of weak ligands on square-planar organometallic nickel(II) complexes. Organo-nickel aquacomplexes. *Inorganic Chemistry*, **2007**, 46, 1027-32 | 5.1 | 11 |
| 13 | Phosphines with Tethered Electron-Withdrawing Olefins as Ligands for Efficient Pd-Catalyzed Aryl-Alkyl Coupling. *Organometallics*, **2013**, 32, 4255-4261 | 3.8 | 10 |
| 12 | Highly enantioselective addition of dimethylzinc to fluorinated alkyl ketones, and the mechanism behind it. *Chemical Communications*, **2018**, 54, 11809-11812 | 5.8 | 8 |
| 11 | [Pd(Fmes)2(tmeda)]: a case of intermittent C-H···F-C hydrogen-bond interaction in solution. *Chemistry - A European Journal*, **2013**, 19, 3702-9 | 4.8 | 7 |
| 10 | Synthesis and characterization of cis-bis[(p-tolylsulfonyl)methyl]palladium(II) complexes. *Journal of Organometallic Chemistry*, **1993**, 447, 145-152 | 2.3 | 7 |
| 9 | Reactions of metallocene niobium(III) isocyanide complexes with oxidizing reagents. *Journal of Organometallic Chemistry*, **1989**, 369, 197-204 | 2.3 | 7 |
| 8 | Dinuclear azolato-bridged complexes of the nickel group metals with haloaryl ligands: a reinvestigation of their behavior in solution. *Inorganic Chemistry*, **2000**, 39, 975-9 | 5.1 | 6 |
| 7 | The conversion of a divinyldi-μ-methylene-dirhodium complex into a (μ-ethylidene-(μ-methylene-dirhodium complex. *Canadian Journal of Chemistry*, **1989**, 67, 1698-1699 | 0.9 | 6 |
| 6 | Novel phosphine sulphide gold(i) complexes: topoisomerase I inhibitors and antiproliferative agents. *Dalton Transactions*, **2020**, 49, 7852-7861 | 4.3 | 5 |
| 5 | Ranking Ligands by Their Ability to Ease (CF)NiL -pNiL + (CF) Coupling versus Hydrolysis: Outstanding Activity of PEWO Ligands. *Inorganic Chemistry*, **2020**, 59, 18287-18294 | 5.1 | 4 |
| 4 | Polymer [Pd(CHSOCHMe)], a precursor to remarkably stable Pd organometallics. *Dalton Transactions*, **2017**, 46, 8083-8090 | 4.3 | 3 |
| 3 | Promoting Difficult Carbon–Carbon Couplings: Which Ligand Does Best?. *Angewandte Chemie*, **2016**, 128, 13470-13474 | 3.6 | 3 |

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| 2 | Dialkyl-μ-ethylidene-μ-methylene-bis(pentamethylcyclopentadienyl)-dirhodium complexes: synthesis, spectra and decomposition reactions. *Inorganica Chimica Acta*, **1998**, 280, 62-70 | 2.7 | 3 |
| 1 | Experimental study of speciation and mechanistic implications when using chelating ligands in aryl-alkynyl Stille coupling. *Dalton Transactions*, **2020**, 49, 11336-11345 | 4.3 | 0 |