JesÃºs J FernÃ¡ndez

List of Publications by Year
in descending order

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87	1,823	236912	330122
papers	citations	25 h-index	37 g-index

88	88	88	1175
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Formation, characterization, and structural studies of novel thiosemicarbazone palladium(II) complexes. Crystal structures of [{Pd[C6H4C(Et)î€†NNî€†C(S)NH2]}4], [Pd{C6H4C(Et)î€†NNî€† C(S)NH2}(PMePh2)] and [{Pd[C6H4C(Et)î€†NNî€†C(S)NH2]}2(Î¼-Ph2PCH2PPh2)]. Journal of the Chemical Society Dalton Transactions, 1999, , 4193-4201.	1.1	79
2	Cyclometalated Palladium(II) Fragments as Building Blocks in the Construction of New Heteronuclear Metalomacrocycles. Organometallics, 2001, 20, 1350-1353.	2.3	78
3	Synthesis of cyclometallated complexes of PdII. The X-ray crystal structure of di-Î¼-bromo-bis[N-(3,4-dimethoxybenzylidene)cyclohexylaminato-C6,N]dipalladium(II). Journal of Organometallic Chemistry, 1991, 401, 385-394.	1.8	62
4	Synthesis and characterization of cyclometallated complexes of palladium(II) and manganese(I) with bidentate Schiff bases. Journal of Organometallic Chemistry, 1996, 506, 165-174.	1.8	56
5	Cyclometallated complexes of PdII and MnI with N,N-terephthalylidenebis(cyclohexylamine). Journal of Organometallic Chemistry, 1993, 445, 287-294.	1.8	54
6	Ru^{II}(p-cymene) Compounds as Effective and Selective Anticancer Candidates with No Toxicity in Vivo. Inorganic Chemistry, 2018, 57, 13150-13166.	4.0	52
7	Influence of phenyl ring substituents in the cyclometallation of Schiff base ligands: crystal and molecular structures of [Pd-{3,4-(OCH2O)C6H2C(H)î˜...N(Cy)-C2,N}(Î¼-O2CMe)]2 and [Pd-{3,4-(OCH2CH2O)C6H2C(H)î˜...N(Cy)-C6,N}(Î¼-O2CMe)]2. Journal of Organometallic Chemistry, 2000, 598, 71-79.	1.8	49
8	Palladium(II) Cyclometalated Thiosemicarbazone Compounds:Â A New Class of Bidentate P,S Metallo Ligands. Organometallics, 2003, 22, 5581-5584.	2.3	47
9	Cyclometallated complexes of palladium(II) with a C, N, Nâ€² terdentate Schiff base donor ligand. Oxidative addition of an arylî—¸chlorine bond to palladium(O). Journal of Organometallic Chemistry, 1997, 532, 171-180.	1.8	46
10	Cyclometalated Complexes with Triphosphine Ligands:â€‰ A Novel Route for Promoting Pentacoordination in Palladium(II). Organometallics, 1999, 18, 5484-5487.	2.3	46
11	New cyclometallated platinum(II) compounds with thiosemicarbazones: crystal and molecular structure of [Pt{4-MeC6H3C(Me)î˜...NNî˜...C(S)NH2}(PPh3)]. Journal of Organometallic Chemistry, 2000, 595, 199-207.	1.8	46
12	Heteroleptic mononuclear compounds of ruthenium(<scp>ii</scp>): synthesis, structural analyses, in vitro antitumor activity and in vivo toxicity on zebrafish embryos. Dalton Transactions, 2016, 45, 19127-19140.	3.3	45
13	Cylometallated semicarbazone complexes of palladium(II). Crystal and molecular structure of [{Pd[C6H4C(Et)î˜...NN(H)C(î˜...O)NH2]}2(Î¼-Ph2P(CH2)3PPh2)][ClO4]2. Journal of Organometallic Chemistry, 1998, 556, 21-30.	1.8	43
14	Synthesis of complexes of platinum (II) with C,N,Nâ€²-terdentate Schiff base donor ligands. Crystal and molecular structure of [Pt{3-Me-4-MeOC6H2C(H)î˜...NCH2CH2NMe2}(Me)]. Journal of Organometallic Chemistry, 1998, 566, 93-101.	1.8	41
15	Dinuclear Ru^{II}(bipy)₂ Derivatives: Structural, Biological, and in Vivo Zebrafish Toxicity Evaluation. Inorganic Chemistry, 2017, 56, 7127-7144.	4.0	40
16	Dinuclear cyclometallated complexes of PdII with diphosphines. X-ray crystal structure of. Journal of Organometallic Chemistry, 1996, 511, 129-138.	1.8	39
17	Synthesis and reactivity of novel cyclometallated complexes derived from [C,N,O] terdentate ligands. Crystal structure of [Pd{2,3,4-(MeO)3C6HC(H)î€†N[2-(O)C6H4]}(PPh3)]. New Journal of Chemistry, 2002, 26, 398-404.	2.8	35
18	Novel structures of cyclometallated complexes of palladium(II) derived from terdentate ligands. Crystal and molecular structure of [Pd{C6H4C(H)î˜...NCH2CH2CH2NMe2}(X)] (X=Cl, Br, I). Journal of Organometallic Chemistry, 2001, 620, 8-19.	1.8	34

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19	Cyclopalladated compounds derived from a [C,N,S] terdentate ligand: synthesis, characterization and reactivity. Crystal and molecular structures of [Pd{2-ClC6H3C(H)î€†NCH2CH2SMe}(Cl)] and [{Pd[2-ClC6H3C(H)î€†NCH2CH2SMe]}2{Âµ-Ph2P(CH2)4PPh2}][CF3SO3]2. New Journal of Chemistry, 2002, 26, 105-112.	2.8	34
20	Tetranuclear Complexes of Pd^{II} with Tridentate [C,N,O] and [O,N,O] Ligands: Synthesis, Reactivity and Structural Isomerism. European Journal of Inorganic Chemistry, 2007, 2007, 5408-5418.	2.0	32
21	Reactivity of cyclometallated semicarbazone complexes of Pd(II): crystal and molecular structures of [Pd{C6H4C(Et)î˜...NN(H)C(î˜...O)NH2}(PPh3)][ClO4] and [Pd{C6H4C(Et)î˜...NN(H)C(î˜...O)NH2}{(Ph2PCH2CH2)2PPh-P,P,P}][Cl]. Journal of Organometallic Chemistry, 2000, 598, 1-12.	1.8	28
22	Polynuclear cyclometallated palladium (II) complexes derived from potentially hexadentate Schiff base ligands. Crystal structures of [(Cl)Pd{Me2NCH2CH2Nî˜...(H)C}C6H2{C(H)î˜...NCH2CH2NMe2}Pd(Cl)] and [{(Ph2PCH2CH2)2PPh-P,P,P}Pd{Me2NCH2CH2Nî˜...(H)C}C6H2{C(H)î˜...NCH2CH2NMe2}Pd{(Ph2PCH2CH2)2PPh-P,P,P}][Cl]2. Journal of Organometallic Chemistry, 2000, 612, 85-95.	1.8	27
23	Cyclometallated thiosemicarbazone palladium(II) compounds: The first crystal and molecular structures of mononuclear complexes with a Î·1-diphosphine ligand. Journal of Organometallic Chemistry, 2006, 691, 2721-2733.	1.8	26
24	Versatile Behavior of the Schiff Base Ligand 2,5-Me₂C₆H₃C(H)â•N(2,4,6-Me₃C₆H₂) toward Cyclometalation Reactions: C(sp²,phenyl)â^'H vs C(sp³,methyl)â^'H Activation. Organometallics, 2010, 29, 3303-3307.	2.3	26
25	Reactivity of tetranuclear cyclometallated palladium(II) halide-bridged complexes of bis(N-benzylidene)-1,4-phenylenediamines. Journal of Organometallic Chemistry, 1994, 479, 37-46.	1.8	25
26	Sterically controlled reactivity of palladium(ii) tetranuclear cyclometallated complexes. Crystal and molecular structure of the novel tetranuclear compound [Pd2{1,3-[C(H)î€†NCH2C4H7O]2C6H2}(Âµ-Cl)(Cl)(PPh3)]2Electronic supplementary information (ESI) available: 1H and 31P NMR data for compounds 1â€“15 and 17. See http://www.rsc.org/suppdata/nj/b1/b111671a/. New Journal of Chemistry, 2002, 26, 895-901.	2.8	25
27	Polynuclear cyclometallated palladium(II) complexes. Crystal and molecular structures of [(PPh3)(Cl)PdN(Cy)î˜...C(H)C6H2C(H)î˜...N(Cy) Pd(Cl)(PPh3)] and [{PdN(Cy)î˜...C(H)C6H2C(H)î˜...N(Cy)Pd}{Ph2PC(H)î˜...C(H)PPh2-P,P}2][ClO4]2. Journal of Organometallic Chemistry, 2002, 655, 127-133.	1.8	25
28	Synthesis and crystal structure analysis of ferrocenylthiosemicarbazone complexes of palladium(II): Unusual ÏƒPdâ€“C bond cleavage. Polyhedron, 2006, 25, 1449-1456.	2.2	25
29	Mixed Triply and Doubly Bridged Dinuclear Palladium(II) Cyclometalated Compounds. Crystal and Molecular Structures of [1,3-{Pd[2,3,4-(MeO)3C6HC(H)NCH2](Î¼-O2CMe)}2C6H4] and [1,4-{Pd[2,3,4-(MeO)3C6HC(H)NCH2](Cl)}2C6H4(Î¼-Ph2P(CH2)3PPh2)]. Organometallics, 2002, 21, 3628-3636.	2.3	24
30	Synthesis and Structural Characterization of Palladium and Platinum Bimetallic Compounds Derived From Bidentate P,S-Palladacycle Metaloligands. Crystal Growth and Design, 2010, 10, 700-708.	3.0	23
31	Mono- and Dinuclear Five-coordinate Cyclometalated Palladium(II) Compounds. Inorganic Chemistry, 2001, 40, 4583-4587.	4.0	22
32	New thiosemicarbazone palladacycles with chelating bis(diphenylphosphino)methane. Polyhedron, 2006, 25, 2848-2858.	2.2	20
33	Activation of Câ€“H and Câ€“Br bonds in cyclopalladation reactions of Schiff base ligands: Influence of the benzylidene ring substituents. Journal of Organometallic Chemistry, 2008, 693, 685-700.	1.8	20
34	Cyclometallated complexes of palladium(II) with 1-methyl-2-phenylimidazole and tertiary diphosphines. Crystal and molecular structure of [Pd[o-C6H4C=NC(H)=C(H)NMe](Ph2PCH(Me)PPh2-P,P)][PF6]. Journal of Organometallic Chemistry, 1997, 547, 297-307.	1.8	19
35	Cyclometallated [C,N,O] Complexes as Metalloligands: Synthesis and Structural Characterisation of New Diâ€, Triâ€, Tetraâ€•and Pentanuclear Heterometallic Complexes. European Journal of Inorganic Chemistry, 2009, 2009, 3071-3083.	2.0	19
36	Reactivity of cyclometallated palladium(II) dimer complexes with diphosphines. Polyhedron, 1990, 9, 2741-2745.	2.2	18

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37	Reactivity of functionalised cyclometallated complexes of palladium(II). Crystal and molecular structure of [Pd{3-(CHO)C6H3C(H)î˜...NCy}(Br)(PEtPh2)]. Journal of Organometallic Chemistry, 1998, 556, 31-39.	1.8	18
38	Coupling reactions of manganese(I) cyclometallated compounds derived from heterocyclic N-donor ligands with alkynes. Journal of Organometallic Chemistry, 2002, 656, 270-273.	1.8	18
39	Cyclometallated complexes of Pd(II) with heterobidentate P, As and P, N coordinating ligands. Journal of Organometallic Chemistry, 2003, 665, 87-94.	1.8	18
40	Half-Sandwich Ru(p-cymene) Compounds with Diphosphanes: In Vitro and In Vivo Evaluation As Potential Anticancer Metallodrugs. Inorganic Chemistry, 2021, 60, 2914-2930.	4.0	18
41	Novel dinuclear cyclometallated complexes of palladium(II) derived fromN,N-(2,5-dichloro)terephthalylidenebis(cyclohexylamine)via oxidative addition. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1997, 623, 844-848.	1.2	17
42	Cyclopalladated compounds with a bidentate [C, N]/terdentate [C, N, S] benzylidenethiophene imine ligand. Crystal and molecular structures of [Pd{2,3-(MeO)2C6H2C(H)î˜...NCH2(C4H3S)}(Î¼-OAc)]2, [Pd{2,3-(MeO)2C6H2C(H)î˜...NCH2(C4H3S)}î—¸(Cl)Â·(PPh3)] and [{Pd[2,3-(MeO)2C6H2C(H)î˜...NCH2(C4H3S)](Cl)}2(Î¼-Ph2P(CH2)4PPh2)]. Journal of Organometallic Chemistry, 2002, 654, 162-169.	1.8	16
43	The chemistry of N-benzylidene-1,4-phenylenediamine palladacycles: The crystal and molecular structure of the first tetranuclear palladacycle with bridging Ph2PCH2PPh2 ligands. Journal of Organometallic Chemistry, 2009, 694, 1273-1282.	1.8	16
44	Directed regioselectivity in cyclometallated palladium(II) compounds of N-benzylidenebenzylamines. Crystal and molecular structure of [Pd{3,4-(OCH2O)C6H2C(H)î˜...NCH2[3,4-(OCH2O)C6H3]-C2,N}(Î¼-O2CMe)]2. Polyhedron, 2001, 20, 2925-2933.	2.2	15
45	Novel cyclopalladated ferrocenyl Schiff base compounds with bridging and chelating diphosphines. Crystal and molecular structure of [{Pd[(Î·5-C5H5)Fe(Î·5-C5H3)C(H)î˜...N-2,4,6-Me3C6H2]}{Ph2P(CH2)nPPh2î—¸P,P}][PF6] (n=1, 2). Journal of Organometallic Chemistry, 2001, 637-639, 577-585.	1.8	15
46	Cyclometallated complexes derived from pyrimidin- and pyridazinehydrazones: Structural evidence of intermolecular â€œchelate metal ringâ€•Ï€â€“Ï€ interactions. Journal of Organometallic Chemistry, 2009, 694, 2234-2245.	1.8	15
47	Palladacycle catalysis: an innovation to the Suzukiâ€“Miyaura cross-coupling reaction. Dalton Transactions, 2016, 45, 17598-17601.	3.3	15
48	Crown Ether Palladacycles as Metalloligands: Suitable Precursors for Tetranuclear Mixed Transition/Non-Transition Metal Complexes. Organometallics, 2009, 28, 6657-6665.	2.3	13
49	Cyclometallated compounds of palladium(II) with diphosphines. The X-ray crystal structure of [{Cy]}2-(Î¼-Ph2PC(î—»CH2)PPh2)Cl2]. Journal of Organometallic Chemistry, 1994, 471, 259-263.	1.8	12
50	Cyclopalladation of Schiff base ligands: crystal and molecular structures of [Pd-?{?2,4-(OCH3)2C6H2C(H)?N?(C6H11)-C6,N???} (ï¿½-O2CCH3)]2 and [Pd-?{3,4-(OCH3)2C6H2C(H)?		

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55	Cyclopalladated compounds with bridging and chelating diphosphine ligands. Effect of ring size. Crystal and molecular structure of [{Pd[4-(COH)C6H3C(H)ĩ...N(Cy)-C2,N](Cl)}2(Î¼-Ph2PCH2PPh2)]. Polyhedron, 2002, 21, 2309-2315.	2.2	11
56	Functionalized cyclopalladated compounds with bidentate Group 15 donor atom ligands: the crystal		

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73	Dimetalated Crown Ether Schiff Base Palladacycles. Influence of the Carbon Chain Length on the Coordination Mode of Bidentate Phosphines. Crystal and Molecular Structure of the Novel Complex [Pd₂{1,4-[C(H)â•N{9,10-(C₈H₁₆O₅)C₆H₃}]₂(μ-Cl)][PF6]2. Organometallics, 2011, 30, 386-395.	2.3	6
74	Preparation and characterization of terdentate [C,N,N] acetophenone and acetylpyridine hydrazone platinacycles: a DFT insight into the reaction mechanism. Dalton Transactions, 2017, 46, 16845-16860.	3.3	6
75	Synthesis, reactivity and characterization of cyclometallated palladium(II) compounds derived from pinacolone-N,N-dimethylhydrazone. Inorganica Chimica Acta, 2003, 342, 185-192.	2.4	5
76	Mononuclear and tetranuclear palladacycles with terdentate [C,N,N] and [C,N,O] Schiff base ligands. Câ€“H versus Câ€“Br activation reactions. Inorganica Chimica Acta, 2011, 370, 89-97.	2.4	5
77	Self-assembly of dinuclear Pd(<scp>ii</scp>)/Pt(<scp>ii</scp>) metallacyclic receptors incorporating N-heterocyclic carbene complexes as corners. Dalton Transactions, 2017, 46, 4182-4190.	3.3	5
78	Seeking new metalloligands: Synthesis and reactivity of palladacycles with pyridine and pyrimidine rings. Polyhedron, 2009, 28, 2679-2683.	2.2	4
79	Synthesis and characterization of new heterocyclic Schiff base palladacycles: Ring activation through N-oxide formation. Polyhedron, 2009, 28, 3607-3613.	2.2	4
80	Synthesis and reactivity of new functionalized Pd(II) cyclometallated complexes with boronic esters. Journal of Organometallic Chemistry, 2009, 694, 3597-3607.	1.8	4
81	Thiosemicarbazone platinacycles with tertiary phosphines. Preparation of novel heterodinuclear platinumâ€“tungsten complexes. Polyhedron, 2012, 41, 30-39.	2.2	4
82	Preparation of Imidazolâ€2â€ylidene Carbene Palladacycles with Biâ€•and Tridentate Schiff Bases â€“ Analyses of the Spectroscopic, Molecular Structure, and DFT Calculation Data. European Journal of Inorganic Chemistry, 2016, 2016, 422-431.	2.0	4
83	Straightforward Preparation Method for Complexes Bearing a Bidentate N-Heterocyclic Carbene To Introduce Undergraduate Students to Research Methodology. Journal of Chemical Education, 2017, 94, 1552-1556.	2.3	4
84	Cyclometallated compounds of palladium(II) with a 2,4-pentanedionate: the X-ray crystal structure of. Journal of Organometallic Chemistry, 1996, 510, 51-56.	1.8	3
85	Reactivity of C(sp2)-Pd and C(sp3)-Pd bonded palladacycles with diphosphines. Crystal and molecular structure of the novel A-frame complex [{Pd[2,5-Me2C6H2C(H) N(2,4,6-Me3C6H2)-C6]}2(Î¼-Ph2PCH2PPh2)2(Î¼-Cl)][PF6]. Journal of Organometallic Chemistry, 2011, 696, 764-771.	1.8	3
86	Versatile nuclephilic Michael addition to chelated (Ph2P)2CCH2 (vdpp) in Schiff base cyclometallated palladium(II) compounds: Câ€“C, Câ€“O and Câ€“N bond formation, dinuclear palladacycles and geometrical isomerism. Journal of Organometallic Chemistry, 2012, 720, 30-37.	1.8	3
87	Evaluation of the In Vitro and In Vivo Efficacy of Ruthenium Polypyridyl Compounds against Breast Cancer. International Journal of Molecular Sciences, 2021, 22, 8916.	4.1	3