

Margarita LÃ³pez-Torres

List of Publications by Year in descending order

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81
papers

1,734
citations

236912

25
h-index

330122

37
g-index

81
all docs

81
docs citations

81
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the In Vitro and In Vivo Efficacy of Ruthenium Polypyridyl Compounds against Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8916.	4.1	3
2	Ru ^{II} (p-cymene) Compounds as Effective and Selective Anticancer Candidates with No Toxicity in Vivo. <i>Inorganic Chemistry</i> , 2018, 57, 13150-13166.	4.0	52
3	Straightforward Preparation Method for Complexes Bearing a Bidentate N-Heterocyclic Carbene To Introduce Undergraduate Students to Research Methodology. <i>Journal of Chemical Education</i> , 2017, 94, 1552-1556.	2.3	4
4	Preparation and characterization of terdentate [C,N,N] acetophenone and acetylpyridine hydrazone platinumacycles: a DFT insight into the reaction mechanism. <i>Dalton Transactions</i> , 2017, 46, 16845-16860.	3.3	6
5	Dinuclear Ru ^{II} (bipy) ₂ Derivatives: Structural, Biological, and in Vivo Zebrafish Toxicity Evaluation. <i>Inorganic Chemistry</i> , 2017, 56, 7127-7144.	4.0	40
6	Preparation of Imidazolâ€²ylidene Carbene Palladacycles with Biâ€² and Tridentate Schiff Bases â€² Analyses of the Spectroscopic, Molecular Structure, and DFT Calculation Data. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 422-431.	2.0	4
7	Heteroleptic mononuclear compounds of ruthenium(II): synthesis, structural analyses, in vitro antitumor activity and in vivo toxicity on zebrafish embryos. <i>Dalton Transactions</i> , 2016, 45, 19127-19140.	3.3	45
8	Dinuclear cyclometallated platinum(III) complexes. Relationship between molecular structure and crystal packing. <i>Polyhedron</i> , 2014, 67, 160-170.	2.2	9
9	Novel palladacycle N-heterocyclic carbene complexes with bidentate [C,N] and terdentate [C,N,N] and [C,N,O] Schiff bases. Synthesis, characterization and crystal structure analysis. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 192-201.	1.8	8
10	Novel Bidentate [N,S] Palladacycle Metalloligands. ¹⁵ N HMBC as a Decisive NMR Technique for the Structural Characterization of Palladiumâ€² Rhodium and Palladiumâ€² Palladium Bimetallic Complexes. <i>Organometallics</i> , 2014, 33, 3265-3274.	2.3	15
11	Spectroscopic and solid state characterization of bimetallic terdentate [C,N,S] thiosemicarbazone Palladium(II) metallacycles with bridging and chelating [P,P] diphosphine ligands. <i>Journal of Organometallic Chemistry</i> , 2013, 740, 83-91.	1.8	6
12	Versatile reactivity of dioxanferrocenylimine palladacycles by controlled acid hydrolysis. Crystal and molecular structure of [Pd{CpFe[1-5-C5H2{CH(OMe)2}C(H)N-2,4,6-Me3C6H2]}(Cl)(PPh2Et)]. <i>Journal of Organometallic Chemistry</i> , 2013, 740, 92-97.	1.8	2
13	Versatile nucleophilic Michael addition to chelated (Ph2P)2CCH2 (vdpp) in Schiff base cyclometallated palladium(II) compounds: Câ€², O and N bond formation, dinuclear palladacycles and geometrical isomerism. <i>Journal of Organometallic Chemistry</i> , 2012, 720, 30-37.	1.8	3
14	A One-Pot Self-Assembly Reaction To Prepare a Supramolecular Palladium(II) Cyclometalated Complex: An Undergraduate Organometallic Laboratory Experiment. <i>Journal of Chemical Education</i> , 2012, 89, 156-158.	2.3	10
15	Mononuclear cycloplatinated complexes derived from 2-tolylpyridine with N-donor ligands: Reactivity and structural characterization. <i>Polyhedron</i> , 2012, 33, 13-18.	2.2	10
16	Functionalized Palladacycles with Crown Ether Rings Derived from Terdentate [C,N,N] Ligands. Crystal and Molecular Structure of the Dinuclear Palladium/Silver Complex [Pd{3,4-(AgC10H20O6)C6H5}2(CMe)â€²NN(H)(4â€²-ClC4H8N2)}(PPh3)3][CF3SO3]â€².	2.3	9
17	Dinuclear 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€²N{9,10-(C8H16O5)C6H5}3}]}â€²]. <i>Organometallics</i> , 2011, 30, 386-395.	2.3	6
18	Crystal packing in a solvent-free or chloroform-solvated dinuclear platinum(III) organometallic complex. <i>Polyhedron</i> , 2011, 30, 2444-2450.	2.2	11

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19	Cyclometallated Palladium Diphosphane Compounds Derived from the Chiral Ligand (S)-PhCH(Me)NMe ₂ . Michael Addition Reactions to the Vinylidene Double Bond. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1824-1832.	2.0	7
20	Mononuclear and tetranuclear palladacycles with terdentate [C,N,N] and [C,N,O] Schiff base ligands. Câ€“H versus Câ€“Br activation reactions. <i>Inorganica Chimica Acta</i> , 2011, 370, 89-97.	2.4	5
21	Reactivity of C(sp ²)-Pd and C(sp ³)-Pd bonded palladacycles with diphosphines. Crystal and molecular structure of the novel A-frame complex [Pd(2,5-Me ₂ C ₆ H ₂ C(H)N(2,4,6-Me ₃ C ₆ H ₂)-C ₆)] ₂ (1/4-Ph ₂ PCH ₂ PPh ₂) ₂ (1/4-Cl)] [PF ₆]. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 764-771.	1.8	3
22	Versatile Behavior of the Schiff Base Ligand 2,5-Me ₂ C ₆ H ₂ C(H)N(2,4,6-Me ₃ C ₆ H ₂) toward Cyclometalation Reactions: C(sp ² ,phenyl)âˆ“H vs C(sp ³ ,methyl)âˆ“H Activation. <i>Organometallics</i> , 2010, 29, 3303-3307.	2.3	26
23	Cyclometallated [C,N,O] Complexes as Metalloligands: Synthesis and Structural Characterisation of New Diâ€“, Triâ€“, Tetraâ€“and Pentanuclear Heterometallic Complexes. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3071-3083.	2.0	19
24	Seeking new metalloligands: Synthesis and reactivity of palladacycles with pyridine and pyrimidine rings. <i>Polyhedron</i> , 2009, 28, 2679-2683.	2.2	4
25	Synthesis and characterization of new heterocyclic Schiff base palladacycles: Ring activation through N-oxide formation. <i>Polyhedron</i> , 2009, 28, 3607-3613.	2.2	4
26	Cyclometallated complexes derived from pyrimidin- and pyridazinehydrazones: Structural evidence of intermolecular â€œchelate metal ringâ€“âˆ“ interactions. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 2234-2245.	1.8	15
27	Synthesis and reactivity of new functionalized Pd(II) cyclometallated complexes with boronic esters. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3597-3607.	1.8	4
28	Crown Ether Palladacycles as Metalloligands: Suitable Precursors for Tetranuclear Mixed Transition/Non-Transition Metal Complexes. <i>Organometallics</i> , 2009, 28, 6657-6665.	2.3	13
29	Activation of Câ€“H and Câ€“Br bonds in cyclopalladation reactions of Schiff base ligands: Influence of the benzylidene ring substituents. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 685-700.	1.8	20
30	Synthesis, characterization and crystal structures of cyclometallated palladium (II) compounds containing difunctional ligands with [P,P], [As,As], [N,N], [P,As], [P,N] and [P,O] donor atoms. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 3655-3667.	1.8	12
31	Tetranuclear Complexes of Pd ^{II} with Tridentate [C^N,C^O] and [C^N,C^O] Ligands: Synthesis, Reactivity and Structural Isomerism. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 5408-5418.	2.0	32
32	Reactivity of tetranuclear complexes of Pd(II) with potentially homo- and heterobidentate ligands. <i>Polyhedron</i> , 2007, 26, 4567-4572.	2.2	9
33	New developments in the studies of the reactivity of cyclometallated palladium(II) compounds with homo- ([P,P],[As,As]) and heterobidentate ([P,N],[P,O]) ligands. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4197-4208.	1.8	9
34	Cycloplatination of Thiosemicarbazones Derived from Furane. Crystal and Molecular Structure of [Pt{(OC₄H₂)C(Me)=NN=C(S)NHEt}] ₂ {1/4âˆ“Ph₂P(CH₂)} ₂ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1875-1882.	1.8	12
35	Synthesis, characterization and solid state structures of thiosemicarbazone palladacycles: Influence of hydrogen bonding in the molecular arrangement. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 2891-2901.	1.8	18
36	Cyclometallation of phenylhydrazones: Synthesis, reactivity, crystal structure analysis and novel trinuclear palladium(II) cyclometallated compounds with [C,N,Nâ€“ ²] terdentate ligands. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 3669-3679.	1.8	11

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37	Synthesis, reactivity and characterization of cyclometallated palladium(II) compounds derived from pinacolone-N,N-dimethylhydrazone. <i>Inorganica Chimica Acta</i> , 2003, 342, 185-192.	2.4	5

38	New palladium(II) cyclometallated compounds derived from trans-cinnamylideneimines via C _i -H activation of an sp ² -aliphatic carbon atom. <i>Inorganica Chimica Acta</i> , 2003, 342, 145-150.	2.4	11
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Functionalized cyclopalladated compounds with bidentate Group 15 donor atom ligands: the crystal

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55	Coupling reactions of manganese(I) cyclometallated compounds derived from heterocyclic N-donor ligands with alkynes. <i>Journal of Organometallic Chemistry</i> , 2002, 656, 270-273.	1.8	18
56	Ci—Br versus Ci—H bond activation in palladium(II) cyclopalladated compounds.. <i>Journal of Organometallic Chemistry</i> , 2002, 663, 239-248.	1.8	10
57	Cyclopalladated compounds derived from a [C,N,S] terdentate ligand: synthesis, characterization and reactivity. Crystal and molecular structures of [Pd{2-ClC6H3C(H)NCH2CH2SMe}(Cl)] and [{Pd[2-ClC6H3C(H)NCH2CH2SMe]}2{μ-Ph2P(CH2)4PPh2}][CF3SO3]2. <i>New Journal of Chemistry</i> , 2002, 26, 105-112.	2.8	34
58	Mono- and Dinuclear Five-coordinate Cyclometalated Palladium(II) Compounds. <i>Inorganic Chemistry</i> , 2001, 40, 4583-4587.	4.0	22
59	Cyclometalated Palladium(II) Fragments as Building Blocks in the Construction of New Heteronuclear Metalomacrocycles. <i>Organometallics</i> , 2001, 20, 1350-1353.	2.3	78
60	Directed regioselectivity in cyclometallated palladium(II) compounds of N-benzylidenebenzylamines. Crystal and molecular structure of [Pd{3,4-(OCH2O)C6H2C(H)NCH2[3,4-(OCH2O)C6H3]-C2,N}(i1/4-O2CMe)]2. <i>Polyhedron</i> , 2001, 20, 2925-2933.	2.2	15
61	Novel structures of cyclometallated complexes of palladium(II) derived from terdentate ligands. Crystal and molecular structure of [Pd{C6H4C(H)NCH2CH2CH2NMe2}(X)] (X=Cl, Br, I). <i>Journal of Organometallic Chemistry</i> , 2001, 620, 8-19.	1.8	34
62	Novel cyclopalladated ferrocenyl Schiff base compounds with bridging and chelating diphosphines. Crystal and molecular structure of [{Pd[(i-5-C5H5)Fe(i-5-C5H3)C(H)N-2,4,6-Me3C6H2}]{Ph2P(CH2)nPPh2}(P,P)}][PF6] (n=1, 2). <i>Journal of Organometallic Chemistry</i> , 2001, 637-639, 577-585.	1.8	15
63	The key role of sulfur in thiosemicarbazone compounds. Crystal and molecular structure of [Pd{4-MeOC6H4C(Me)NNC(S)NPh}2]. <i>Journal of Organometallic Chemistry</i> , 2001, 623, 176-184.	1.8	20
64	Synthesis and Single-Crystal X-ray Diffraction Studies of New Cyclometallated Phenylimidazole Palladium(II) Compounds. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 2055-2062.	2.0	24
65	Cyclopalladation of Schiff base ligands: crystal and molecular structures of [Pd-{3,4-(OCH3)2C6H2C(H)N(C6H11)-C6,N}(i1/2-O2CCH3)]2 and [Pd-{3,4-(OCH3)2C6H2C(H)N(C6H11)-C6,N}(i1/2-O2CCH3)]2 and [Pd-{3,4-(OCH3)2C6H2C(H)N(C6H11)-C6,N}(i1/2-O2CCH3)]2		

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73	Reactivity of functionalised cyclometallated complexes of palladium(II). Crystal and molecular structure of [Pd{3-(CHO)C ₆ H ₃ C(H)̄...NCy}(Br)(PEtPh ₂)]. <i>Journal of Organometallic Chemistry</i> , 1998, 556, 31-39.	1.8	18
74	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-MeOC ₆ H ₂ C(H)̄...NCH ₂ CH ₂ NMe ₂ }(Me)]. <i>Journal of Organometallic Chemistry</i> , 1998, 566, 93-101.	1.8	41
75	Cyclometallated complexes of palladium(II) with a C, N, Nâ€² terdentate Schiff base donor ligand. Oxidative addition of an aryl̄-chlorine bond to palladium(O). <i>Journal of Organometallic Chemistry</i> , 1997, 532, 171-180.	1.8	46
76	Cyclometallated complexes of palladium(II) with 1-methyl-2-phenylimidazole and tertiary diphosphines. Crystal and molecular structure of [Pd{o-C ₆ H ₄ C=NC(H)=C(H)NMe}(Ph ₂ PCH(Me)PPh ₂ -P,P)][PF ₆]. <i>Journal of Organometallic Chemistry</i> , 1997, 547, 297-307.	1.8	19
77	Synthesis and characterization of cyclometallated complexes of palladium(II) and manganese(I) with bidentate Schiff bases. <i>Journal of Organometallic Chemistry</i> , 1996, 506, 165-174.	1.8	56
78	Cyclometallated compounds of palladium(II) with a 2,4-pentanedionate: the X-ray crystal structure of. <i>Journal of Organometallic Chemistry</i> , 1996, 510, 51-56.	1.8	3
79	Dinuclear cyclometallated complexes of PdII with diphosphines. X-ray crystal structure of. <i>Journal of Organometallic Chemistry</i> , 1996, 511, 129-138.	1.8	39
80	Reactivity of tetranuclear cyclometallated palladium(II) halide-bridged complexes of bis(N-benzylidene)-1,4-phenylenediamines. <i>Journal of Organometallic Chemistry</i> , 1994, 479, 37-46.	1.8	25
81	Cyclometallated complexes of PdII and MnI with N,N-terephthalylidenebis(cyclohexylamine). <i>Journal of Organometallic Chemistry</i> , 1993, 445, 287-294.	1.8	54