Alberto Fernandez

List of Publications by Year
in descending order

93	1,912	218677	330143
papers	citations	26 h-index	37 g-index

93	93	93	1339
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	Diimidazolium Halobismuthates [Dim]₂[Bi₂X₁₀] (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Photoluminescent Materials. Inorganic Chemistry, 2018, 57, 7655-7664.	4.0	56
5	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
6	A Highly Effective Strategy for Encapsulating Potassium Cations in Small Crown Ether Rings on a Dinuclear Palladium Complex. Chemistry - A European Journal, 2017, 23, 6255-6258.	3.3	12
7	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
8	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
9	Dinuclear Ru^{II}(bipy)₂ Derivatives: Structural, Biological, and in Vivo Zebrafish Toxicity Evaluation. Inorganic Chemistry, 2017, 56, 7127-7144.	4.0	40
10	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
11	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
12	Dinuclear cyclometallated platinum(III) complexes. Relationship between molecular structure and crystal packing. Polyhedron, 2014, 67, 160-170.	2.2	9
13	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. Journal of Organometallic Chemistry, 2014, 772-773, 192-201.	1.8	8
14	Dimensional Matching of Polycyclic Aromatics with Rectangular Metallacycles: Insertion Modes Determined by [Cï£¿Hâ‹…â‹…â‹…Ï€] Interactions. Chemistry - A European Journal, 2013, 19, 15329-15335.	3.3	35
15	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
16	Dioxaneferrocenylimine Cyclometalated Compounds as Precursors to Novel Functionalized Di- and Tetranuclear Metallacycles Leading to 1,3-Double Palladation of an Î·5-C5H5 Ring. Organometallics, 2012, 31, 890-894.	2.3	6
17	A One-Pot Self-Assembly Reaction To Prepare a Supramolecular Palladium(II) Cyclometalated Complex: An Undergraduate Organometallic Laboratory Experiment. Journal of Chemical Education, 2012, 89, 156-158.	2.3	10
18	Synthesis and structural characterization of tridentate [C,N,S] thiosemicarbazone palladacycles. Crystal and molecular structures of [Pd{3-FC6H3C(Me)NNC(S)NHMe}]4, [Pd{4-FC6H3C(Me)NNC(S)NHEt}]4 and [(Pd{2-BrC6H3C(Me)NNC(S)NHPh})2(Î¼-Ph2P(CH2)2PPh2)]. Polyhedron, 2012, 31, 217-226.	2.2	13

#	ARTICLE	IF	CITATIONS
19	Mononuclear cycloplatinated complexes derived from 2-tolylpyridine with N-donor ligands: Reactivity and structural characterization. Polyhedron, 2012, 33, 13-18.	2.2	10
20	Functionalized Palladacycles with Crown Ether Rings Derived from Terdentate [<i>C</i>,<i>N</i>,<i>N</i>] Ligands. Crystal and Molecular Structure of the Dinuclear Palladium/Silver Complex [Pd{3,4-(AgC₁₀H₂₀O₆)C₆H₂C(Me)â•NN(H)(4â€²-ClC₄H₂N₂)}(PPh₃)][CF₃SO₃]₂. Organometallics, 2011, 30, 3801	2.3	9
21	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}]<sub>2</su Organometallics, 2011, 30, 386-395.	2.3	6
22	Crystal packing in a solvent-free or chloroform-solvated dinuclear platinum(III) organometallic complex. Polyhedron, 2011, 30, 2444-2450.	2.2	11
23	Cyclometallated Palladium Diphosphane Compounds Derived from the Chiral Ligand (S)-PhCH(Me)NMe2. Michael Addition Reactions to the Vinylidene Double Bond. European Journal of Inorganic Chemistry, 2011, 2011, 1824-1832.	2.0	7
24	Synthesis and Structural Characterization of New Bimetallic [C,N,S] Palladacycles with Mixed Bridging [P,P] and Chelating [P,P] or [P,N] Phosphane Ligands. European Journal of Inorganic Chemistry, 2011, 2011, 368-376.	2.0	7
25	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
26	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
27	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
28	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
29	Seeking new metalloligands: Synthesis and reactivity of palladacycles with pyridine and pyrimidine rings. Polyhedron, 2009, 28, 2679-2683.	2.2	4
30	Synthesis and characterization of new heterocyclic Schiff base palladacycles: Ring activation through N-oxide formation. Polyhedron, 2009, 28, 3607-3613.	2.2	4
31	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
32	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
33	Synthesis and reactivity of new functionalized Pd(II) cyclometallated complexes with boronic esters. Journal of Organometallic Chemistry, 2009, 694, 3597-3607.	1.8	4
34	Crown Ether Palladacycles as Metalloligands: Suitable Precursors for Tetranuclear Mixed Transition/Non-Transition Metal Complexes. Organometallics, 2009, 28, 6657-6665.	2.3	13
35	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
36	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. Journal of Organometallic Chemistry, 2008, 693, 3655-3667.	1.8	12

#	Article	IF	Citations
37	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
38	Reactivity of tetranuclear complexes of Pd(II) with potentially homo- and heterobidentate ligands. Polyhedron, 2007, 26, 4567-4572.	2.2	9
39	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. Journal of Organometallic Chemistry, 2007, 692, 4197-4208.	1.8	9
40	Linkage Isomerism in Thiophene Cyclometallated Palladium(II) Complexes. Crystal and Molecular Structure of the Isomers [Pd{n-SC4H2C(H)=NCy}(O2CMe-O)(PPh3)] (n = 3, 4). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 734-740.	1.2	2
41	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
42	Synthesis, Characterization, and Crystal Structure Analysis of the First Terdentate [C,N,S] Thiosemicarbazone Complex with a Six-Membered Palladacycle: Influence of Steric Effects on Ring Size. European Journal of Inorganic Chemistry, 2006, 2006, 3016-3021.	2.0	31
43	The cyclometallation of bis(di-p-methylbenzylphosphino)methane. Journal of Organometallic Chemistry, 2005, 690, 3638-3640.	1.8	4
44	Cyclometallation of phenylhydrazones: Synthesis, reactivity, crystal structure analysis and novel trinuclear palladium(II) cyclometallated compounds with [C,N,Nâ€²] terdentate ligands. Journal of Organometallic Chemistry, 2005, 690, 3669-3679.	1.8	11
45	Synthesis and Characterization of Pyrrolthiosemicarbazone Complexes of Palladium(II). Crystal Structures of [{Pd[C4H4NC(H)=NNC(S)NHMe](Cl)}2{Î¼-Ph2P(CH2)3PPh2}] and [Pd{C4H4NC(H)=NNC(S)NHMe}{Ph2P(CH2)2PPh2-P,P}](Cl). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2005, 631, 2197-2203.	1.2	9
46	The First Cyclometallated (1-Ferrocenylethanone thiosemicarbazone)palladium(II) Compoundsâ€" Crystal and Molecular Structure of [Pd{(Î·5-C5H5)Fe(Î·5-C5H3)C(Me)=NN=C(S)NHMe}(PPh3)]. European Journal of Inorganic Chemistry, 2004, 2004, 2937-2942.	2.0	18
47	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
48	Functionalized cyclopalladated compounds with bidentate Group 15 donor atom ligands: the crystal		

#	Article	IF	Citations
55	Nucleophilic addition of 1,3-dicarbonyl compounds as a route to functionalized cyclopalladated complexes with chelated 1,1-bis(diphenylphosphino)ethene. New Journal of Chemistry, 2002, 26, 1425-1432.	2.8	8
56	A Comparative Study of Cyclometallated Palladium(II) Compounds with Terdentate [C,N,S] Pincer Ligands â^' Crystal and Molecular Structure of [Pd{4-MeC6H3C(Me)=NNC(=S)NHMe}(PPh3)] and [Pd{4-MeOC6H3C(H)=N[2-(SMe)C6H4]}(Cl)]. European Journal of Inorganic Chemistry, 2002, 2002, 613-620.	2.0	51
57	The First Crystal and Molecular Structure of asyn-Acetato-Bridged Dinuclear Cyclometallated Complex [Pd{2,3,4-(MeO)3C6HC(H)=NCH2CH2OH}(Î¼-OAc)]2. European Journal of Inorganic Chemistry, 2002, 2002, 2389-2401.	2.0	31
58	Cyclopalladated compounds derived from [C,N,O] terdentate ligands: synthesis, characterization and reactivity. Polyhedron, 2002, 21, 39-48.	2.2	9
59	Reactivity of cyclometallated palladium(II) compounds derived from N-(benzylidene)xylylendiamines. Polyhedron, 2002, 21, 2063-2069.	2.2	11
60	Cyclopalladated compounds with bridging and chelating diphosphine ligands. Effect of ring size. Crystal and molecular structure of [{Pd[4-(COH)C6H3C(H)î˜...N(Cy)-C2,N](Cl)}2(Î¼-Ph2PCH2PPh2)]. Polyhedron, 2002, 21, 2309-2315.	2.2	11
61	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
62	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
63	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
64	Cî—¸Br versus Cî—¸H bond activation in palladium(II) cyclopalladated compounds.. Journal of Organometallic Chemistry, 2002, 663, 239-248.	1.8	10
65	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
66	Mono- and Dinuclear Five-coordinate Cyclometalated Palladium(II) Compounds. Inorganic Chemistry, 2001, 40, 4583-4587.	4.0	22
67	Cyclometalated Palladium(II) Fragments as Building Blocks in the Construction of New Heteronuclear Metalomacrocycles. Organometallics, 2001, 20, 1350-1353.	2.3	78
68	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
69	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
70	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
71	The key role of sulfur in thiosemicarbazone compounds. Crystal and molecular structure of [Pd{4-MeOC6H4C(Me)î˜...NNî˜...C(S)NHPh}2]. Journal of Organometallic Chemistry, 2001, 623, 176-184.	1.8	20
72	Synthesis and Single-Crystal X-ray Diffraction Studies of New Cyclometallated Phenylimidazole Palladium(II) Compounds. European Journal of Inorganic Chemistry, 2000, 2000, 2055-2062.	2.0	24

#	Article	IF	Citations
73	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)?		

#	Article	IF	Citations
91	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
92	Cyclometallated complexes of palladium(II) with the diphosphines trans-Ph2 PCHî—»CHPPh2, cis-Ph2PCHî—»CHPPh2 and Ph2P(CH2)4PPh2. The X-ray crystal structure of [{PdCy]}2 (Î¼-Ph2P(CH2)4PPh2)(Î¼-Cl)2]. Journal of Organometallic Chemistry, 1993, 448, 233-239.	1.8	42
93	Synthesis and characterization of cyclometallated palladium(ii) complexes with Ph2PCH2PPh2 (dppm), trans-Ph2PCHî—»CHPPh2 (trans-dppe), cis-Ph2PCHî—»CHPPh2 (cis-dppe) and Ph2P(CH2)4PPh2 (dppb). The x-ray crystal structure of di-Î¼-bromo-bis[n-(4-methylbenzylidene)cyclohexylaminato-C6,N]dipalladium(II). Polyhedron, 1993, 12, 171-180.	2.2	27