Pablo J Sanz Miguel

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6329346/publications.pdf

Version: 2024-02-01

97 papers	2,647 citations	172386 29 h-index	223716 46 g-index
110 all docs	110 docs citations	110 times ranked	3086 citing authors

#	Article	IF	Citations
1	Nucleophilic Reactivity at a â•CH Arm of a Lutidine-Based CNC/Rh System: Unusual Alkyne and CO₂ Activation. Inorganic Chemistry, 2022, 61, 7120-7129.	1.9	4
2	Dinuclear silver and gold bisNHC complexes as drug candidates for cancer therapy. Bioorganic and Medicinal Chemistry, 2022, 67, 116814.	1.4	6
3	Beyond sole models for the first steps of Pt-DNA interactions: Fundamental properties of mono(nucleobase) adducts of PtII coordination compounds. Coordination Chemistry Reviews, 2022, 465, 214566.	9.5	5
4	Enhanced Metallophilicity in Metalâ€“Carbene Systems: Stronger Character of Aurophilic Interactions in Solution. Chemistry - A European Journal, 2020, 26, 997-1002.	1.7	11
5	Frontispiece: Enhanced Metallophilicity in Metalâ€“Carbene Systems: Stronger Character of Aurophilic Interactions in Solution. Chemistry - A European Journal, 2020, 26, .	1.7	0
6	Decaborane anion tautomerism: ion pairing and proton transfer control. Dalton Transactions, 2018, 47, 5850-5859.	1.6	6
7	Comparing Pt II - and Pd II -nucleobase coordination chemistry: Why Pd II not always is a good substitute for Pt II. Inorganica Chimica Acta, 2018, 472, 207-213.	1.2	15
8	Merging Metalâ€“Nucleobase Chemistry With Supramolecular Chemistry. Advances in Inorganic Chemistry, 2018, 71, 277-326.	0.4	9
9	From Imidazole toward Imidazolium Salts and N-Heterocyclic Carbene Ligands: Electronic and Geometrical Redistribution. ACS Omega, 2017, 2, 1392-1399.	1.6	26
10	Steroidâ€“Au^Iâ€“NHC Complexes: Synthesis and Antibacterial Activity. ChemMedChem, 2017, 12, 841-844.	1.6	31
11	The exocyclic amino group of adenine in PtII and PdII complexes: a critical comparison of the X-ray crystallographic structural data and gas phase calculations. Journal of Biological Inorganic Chemistry, 2017, 22, 567-579.	1.1	4
12	More of a misunderstanding than a real mismatch? Platinum and its affinity for aqua, hydroxido, and oxido ligands. Coordination Chemistry Reviews, 2016, 327-328, 333-348.	9.5	38
13	Hirshfeld and DFT analysis of the N-heterocyclic carbene proligand methylenebis(N-butylimidazolium) as the acetonitrile-solvated diiodide salt. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 456-459.	0.2	3
14	Topology of metallacalix[4]arenes with uracil and cytosine ligands: favorable and unfavorable assemblies. New Journal of Chemistry, 2016, 40, 5914-5919.	1.4	5
15	The Renaissance of Metalâ€“Pyrimidine Nucleobase Coordination Chemistry. Accounts of Chemical Research, 2016, 49, 1537-1545.	7.6	84
16	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.	1.0	25
17	Multiple Condensation Reactions Involving Pt^{II}/Pd^{II}â^'OH₂, Ptâ^'NH₃, and Cytosineâ^'NH₂ Groups: New Twists in Cisplatinâ^'Nucleobase Chemistry. Chemistry - A European Journal, 2016, 22, 13653-13668.	1.7	7
18	N-Heterocyclic olefins as ancillary ligands in catalysis: a study of their behaviour in transfer hydrogenation reactions. Dalton Transactions, 2016, 45, 12835-12845.	1.6	37

#	Article	IF	Citations
19	Dimethylphosphinate bridged binuclear Rh(i) catalysts for the alkoxycarbonylation of aromatic Câ€“H bonds. Dalton Transactions, 2016, 45, 16955-16965.	1.6	6
20	Preparation of Rhodium(III) Di-NHC Chelate Complexes Featuring Two Different NHC Donors via a Mild NaOAc-Assisted Câ€“H Activation. Organometallics, 2016, 35, 410-419.	1.1	29
21	Analogues of Cisâ€•and Transplatin with a Rich Solution Chemistry: cisâ€‹[PtCl₂(NH₃)(1â€‹MeCâ€‹N3)] and transâ€‹[Pt₂(NH₃)(1â€‹MeCâ€‹N3)]. Chemistry - A European Journal, 2015, 21, 17827-17843.	1.7	5
22	The Challenge of Deciphering Linkage Isomers in Mixtures of Oligomeric Complexes Derived from 9â€‹Methyladenine and transâ€‹(NH₃)₂Pt^{II} Units. Chemistry - A European Journal, 2015, 21, 5794-5806.	1.7	11
23	Direct Xâ€‹Ray Scattering Evidence for Metalâ€“Metal Interactions in Solution at the Molecular Level. Angewandte Chemie - International Edition, 2015, 54, 12762-12766.	7.2	20
24	An Insight into Transfer Hydrogenation Reactions Catalysed by Iridium(III) Bisâ€‹Nâ€‹heterocyclic Carbenes. European Journal of Inorganic Chemistry, 2015, 2015, 4388-4395.	1.0	17
25	Hydrolysis and Methanolysis of Silanes Catalyzed by Iridium(III) Bis-N-Heterocyclic Carbene Complexes: Influence of the Wingtip Groups. Organometallics, 2015, 34, 2378-2385.	1.1	51
26	Preferential Î±â€‹Hydrosilylation of Terminal Alkynes by Bisâ€‹Nâ€‹Heterocyclic Carbene Rhodium(III) Catalysts. Advanced Synthesis and Catalysis, 2015, 357, 350-354.	2.1	37
27	Tuning PCPâ€“Ir complexes: the impact of an N-heterocyclic olefin. Chemical Communications, 2015, 51, 12431-12434.	2.2	37
28	A bimetallic iridium(ii) catalyst: [{Ir(IDipp)(H)}2][BF4]2 (IDipp =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (1,3-bis(2,6-diisopropylph	2.2	21
29	Crystallographic and Computational Study on Cationic Triply Hydrogen-Bonded Nucleobases without Direct Anionic Stabilization. Crystal Growth and Design, 2015, 15, 5873-5878.	1.4	7
30	Organocatalytic enantioselective hydrophosphonylation of aldehydes. Organic and Biomolecular Chemistry, 2014, 12, 1258-1264.	1.5	47
31	Rationalizing the formation and versatility of multinuclear metal complexes of bis(1-methyluracil-5-yl)methane as hybrids between classical calix[n]arenes and metallacalixaromatics. Inorganica Chimica Acta, 2014, 417, 274-286.	1.2	7
32	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.	1.9	31
33	Rationalizing the Structural Variability of the Exocyclic Amino Groups in Nucleobases and Their Metal Complexes: Cytosine and Adenine. Chemistry - A European Journal, 2014, 20, 9494-9499.	1.7	29
34	Supramolecular architectures based on 6-purinethione complexes. Inorganica Chimica Acta, 2014, 417, 142-147.	1.2	3
35	Mixed Adenine/Guanine Quartets with Three transâ€‹a₂Pt^{II} (a=NH₃ or MeNH₂) Crossâ€‹Links: Linkage and Rotational Isomerism, Base Pairing, and Loss of NH₃. Chemistry - A European Journal, 2014, 20, 3394-3407.	1.7	9
36	A Conformationally Flexible Dinuclear Pt^{II} Complex with Differential Behavior of its Two States toward Quadruplex DNA. Chemistry - A European Journal, 2013, 19, 11429-11438.	1.7	13

#	Article	IF	Citations
37	Discrete and polymeric heteronuclear constructs derived from triangular 2,2â€²-bipyrazine complexes of cis-a2PtII (with a = NH3 or a2 = en). Dalton Transactions, 2013, 42, 16151.	1.6	16
38	Synthesis of Poly(silyl ether)s by Rhodium(I)â€“NHC Catalyzed Hydrosilylation: Homogeneous versus Heterogeneous Catalysis. ChemCatChem, 2013, 5, 1133-1141.	1.8	34
39	Stepwise Coordination of Pt^{II}â€180Â° and Pd^{II}â€90Â° Metal Fragments to the Purine Nucleobase 9â€Methylhypoxanthine Affords a Closed Octadecanuclear Pt₆Pd₁₂ Cluster. Chemistry - A European Journal, 2013, 19, 9800-9806.	1.7	17
40	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.	1.7	81
41	Unsupported single-walled water cluster nanotube: A novel hydrogen bonding pattern for water organization. CrystEngComm, 2012, 14, 6178.	1.3	9
42	A synthon for a 14-electron Ir(iii) species: catalyst for highly selective Î²-(Z) hydrosilylation of terminal alkynes. Chemical Communications, 2012, 48, 9480.	2.2	60
43	7-Methylguanine: protonation, formation of linkage isomers with trans-(NH3)2PtII, and base pairing properties. Dalton Transactions, 2012, 41, 6094.	1.6	10
44	Different Rotamer States of Cytosine Nucleobases in Heteronuclear PtPd-, PtPd₂, and Pt₂Pd₂Ag Complexes Derived from [Pt(2,2â€²-bpy)(1-MeC-N3)₂]²⁺ (1-MeC = 1-Methylcytosine): First Examples of Species with Headâ€“Head Oriented 1-MeC^{â€“} Ligands. Inorganic Chemistry, 2012, 51, 6784-6793.	1.9	13
45	Effective Fixation of CO₂ by Iridiumâ€Catalyzed Hydrosilylation. Angewandte Chemie - International Edition, 2012, 51, 12824-12827.	7.2	130
46	Supramolecular Assembly of Diplatinum Species through Weak Pt^{II}â‹…â‹…â‹…Pt^{II} Intermolecular Interactions: A Combined Experimental and Computational Study. Chemistry - A European Journal, 2012, 18, 13787-13799.	1.7	15
47	Flat vs. Folded Chelate Rings in cisâ€Pt^{II}a₂ (a = NH₃,) Tj ETQq1 1 0.784314 rgBT /Overlo Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1691-1698.	0.6	6
48	Multiple Metal Binding to the 9-Methyladenine Model Nucleobase Involving N1, N6, and N7: Discrete Di- and Trinuclear Species with Different Combinations of Monofunctional Pd^{II} and Pt^{II} Entities. Inorganic Chemistry, 2012, 51, 10437-10446.	1.9	19
49	Construction of preorganized uracil based polytopic tectons for hydrogen-bonded supramolecular architectures. Journal of Molecular Structure, 2012, 1015, 99-105.	1.8	4
50	Expected and Unconventional Ag⁺ Binding Modes in Heteronuclear Pt,Ag Coordination Polymers Derived from transâ€[Pt(methylamine)₂(pyrazole)₂]²⁺. European Journal of Inorganic Chemistry, 2012, 2012, 1122-1129.	1.0	9
51	A neutral Pt3 stack unsupported by any bridging ligand. Dalton Transactions, 2011, 40, 5159.	1.6	21
52	Coordination of two different metal ions as reason for N-chirality in Î¼-amide complexes. Dalton Transactions, 2011, 40, 10316.	1.6	12
53	Unique Pt5 metallacycle: [PtIICl(pyrrolidinedithiocarbamate)]5. Dalton Transactions, 2011, 40, 10809.	1.6	9
54	Metallatriangles and metallasquares: the diversity behind structurally characterized examples and the crucial role of ligand symmetry. Chemical Society Reviews, 2011, 40, 4475.	18.7	115

#	Article	IF	Citations
55	The preparation and characterization of trans-platinum(iv) complexes with unusually high cytotoxicity. Dalton Transactions, 2011, 40, 344-347.	1.6	29
56	Exploring the Metal Coordination Properties of the Pyrimidine Part of Purine Nucleobases: Isomerization Reactions in Heteronuclear Pt^{II}/Pd^{II}of 9-Methyladenine. Inorganic Chemistry, 2011, 50, 10439-10447.	1.9	21
57	A â€œdirectedâ€•approach toward a cationic molecular square containing four isonicotinamidate ligands and (4+2) (en)PtII metal entities. Inorganica Chimica Acta, 2011, 374, 453-460.	1.2	8
58	Discrete Molecular Squares {[(en)M(CN)]₄}⁴⁺ Derived from [(en)M(CN)₂] (M = Pt^{II}, Pd^{II}). European Journal of Inorganic Chemistry, 2011, 2011, 1649-1656.	1.0	10
59	â€œDirectedâ€•Assembly of Metallacalix[n]arenes with Pyrimidine Nucleobase Ligands of Low Symmetry: Metallacalix[n]arene Derivatives ofcisâ€[a₂M(cytosineâ€N3)₂]²⁺(M=Pt^{II},) Tj ETQq1 1 0.784314 rgBT	1.7	36
60	â€œDirectedâ€•Assembly of Metallacalix[n]arenes with Pyrimidine Nucleobase Ligands of Low Symmetry: Interchanging Metals in Mixedâ€•Metal Metallacalix[4]arenes and Incorporating Additional Metals at the Exocyclic Groups. Chemistry - A European Journal, 2011, 17, 4205-4216.	1.7	22
61	Pt^{II} Coordination to N1 of 9â€•Methylguanine: Why it Facilitates Binding of Additional Metal Ions to the Purine Ring. Chemistry - A European Journal, 2011, 17, 9970-9983.	1.7	14
62	Supramolecular Isomerism of 2,2â€²â€•Bipyrazine Complexes with cis â€(NH 3) 2 Pt II : Ligand Rotational State and Sequential Orientation Determine the 3D Shape of Metallacycles. Chemistry - A European Journal, 2011, 17, 10771-10780.	1.7	12
63	C₃â€•Symmetric Pt₃Pd₃ Purine Vases Based on a Metal Coordination Motif Involving the Pyrimidinic N1 and N3 Sites. Chemistry - A European Journal, 2011, 17, 9283-9287.	1.7	16
64	Conductive Nanostructures of MMX Chains. Advanced Functional Materials, 2010, 20, 1451-1457.	7.8	45
65	Synthesis, Structural Characterisation and Quadruplex DNA Binding Studies of a New Gold(III) Pyrazolylpyridine Complex. Chemistry - A European Journal, 2010, 16, 3613-3616.	1.7	24
66	Electrostatics Plus Oâ€“Ï€ Interactions Rather Than â€œDirectedâ€•Hydrogen Bonding Keep SO₄^{2â^’} in a Triangular Pt₃Pd₃â€“Tris(2,2â€²â€•bipyrazine) Host. Chemistry - A European Journal, 2010, 16, 5577-5580.	1.7	23
67	Influence of PtII and PdII coordination on the equilibrium of 2,2â€²-dipyridylketone (dpk) with its hydrated gem-diol form (dpkÂ·H2O). Inorganica Chimica Acta, 2010, 363, 3048-3054.	1.2	8
68	Molecular Architectures Derived from Metal Ions and the Flexible 3,3^{â€²}-Bipyridine Ligand: Unexpected Dimer with Hg(II). Bioinorganic Chemistry and Applications, 2010, 2010, 1-8.	1.8	3
69	Isomerism with Metallacalix[4]arenes of the Nonsymmetrical Pyrimidine Nucleobase Cytosine: How Connectivity and Rotamer State Determine the Topology of Multinuclear Derivatives. Inorganic Chemistry, 2010, 49, 7635-7637.	1.9	20
70	Single layers of a multifunctional laminar Cu(i,ii) coordination polymer. Chemical Communications, 2010, 46, 3262.	2.2	225
71	Sâ€“S bond reactivity in metal-perthiocarboxylato compounds. Dalton Transactions, 2010, 39, 1511-1518.	1.6	8
72	[NO3âŠ‚{(en)Pt(2,2â€²-bpz)}3]NO3(SO4)2: Snapshot of nitrate insertion into a cationic Pt3 metallacycle or simply a packing effect?. Dalton Transactions, 2010, 39, 6386.	1.6	7

#	Article	IF	Citations
73	Pd^{II}â€Catalyzed Condensation of a Mononuclear Ptâ€“Nucleobase Complex to Its Headâ€“Tail Dimer: Characterization of a Key Intermediate and an End Product. Chemistry - A European Journal, 2009, 15, 10723-10726.	1.7	19
74	Towards Molecular Wires Based on Metalâ€Organic Frameworks. European Journal of Inorganic Chemistry, 2009, 2009, 2885-2896.	1.0	55
75	From metal-nucleobase chemistry towards molecular wires. Inorganica Chimica Acta, 2009, 362, 691-706.	1.2	22
76	Expanding the pH Range of Metalâ^'Nucleobase Complexes for Acidâ^'Base Chemistry: Properties of Bis(guanine) Complexes of (bpy)Pt^{II}with Either Two Major or Major and Minor Tautomers Bonded Simultaneously. Inorganic Chemistry, 2009, 48, 5208-5215.	1.9	22
77	Hybrids between classical and metallacalix[4]arenes based on uracil and cis-PtIIL2 entities (L = P(Ph)3) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	21
78	On the many roles of NH3 ligands in mono- and multinuclear complexes of platinum. Dalton Transactions, 2009, , 10774.	1.6	39
79	Reactivity of Ammonia Ligands of the Antitumor Agent Cisplatin: A Unique Dodecanuclear Pt₄,Pd₄,Ag₄ Platform for Four Cytosine Model Nucleobases. Chemistry - A European Journal, 2008, 14, 6882-6891.	1.7	29
80	Isolation of an Intermediate in the Platination ofp-Nitroacetophenone 4-Methylthiosemicarbazone: Potential Application as an Antitumor Drug. European Journal of Inorganic Chemistry, 2008, 2008, 1183-1187.	1.0	17
81	Unusual Dimeric Zn(II)-cytosine complexes: New models of the interaction of Zn(II) with DNA and RNA. Journal of Inorganic Biochemistry, 2008, 102, 203-208.	1.5	16
82	A Conducting Coordination Polymer Based on Assembled Cu₉ Cages. Inorganic Chemistry, 2008, 47, 9128-9130.	1.9	95
83	Direct evidence of nanowires formation from a Cu(i) coordination polymer. Chemical Communications, 2008, , 945-947.	2.2	43
84	Electrical Conductivity in Platinum-Dimer Columns. Inorganic Chemistry, 2008, 47, 9736-9738.	1.9	39
85	Design of molecular wires based on one-dimensional coordination polymers. Applied Physics Letters, 2007, 90, 193107.	1.5	24
86	An unusual triple parallel interpenetrated 2D Cu-polymer, with a 3D triple interpenetration via H-bonding. CrystEngComm, 2007, 9, 987.	1.3	23
87	Microwave assisted hydrothermal synthesis of a novel CuI-sulfate-pyrazine MOF. Inorganic Chemistry Communication, 2007, 10, 921-924.	1.8	85
88	3,5-Di-p-toluoyl-1,2-dideoxy-Î²-1-(imidazol-1-yl)-D-ribofuranose. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, o4693-o4693.	0.2	0
89	Interguanine hydrogen-bonding patterns in adducts with water and Znâ€“purine complexes (purine is) Tj ETQq1 1 0.784314 rgBT /Ov Journal of Biological Inorganic Chemistry, 2007, 12, 543-555.	1.1	20
90	Pyrazine as a Building Block for Molecular Architectures with PtII. Inorganic Chemistry, 2006, 45, 2093-2099.	1.9	56

#	Article	IF	Citations
91	(Dien)MII (M=Pd, Pt) and (NH3)3PtII complexes of 1-methylcytosine: Linkage and rotational isomerism, metal-promoted deamination, and pathways to dinuclear species. Journal of Inorganic Biochemistry, 2006, 100, 980-991.	1.5	18
92	Models of Putative (AH)G(AH)G Nucleobase Quartets. Angewandte Chemie - International Edition, 2005, 44, 5670-5674.	7.2	19
93	The role of intramolecular hydrogen bonding on nucleobase acidification following metal coordination: possible implications of an â€œindirectâ€•role of metals in acidâ€“base catalysis of nucleic acids. Journal of Biological Inorganic Chemistry, 2005, 10, 800-812.	1.1	22
94	Cationic tetrakis(nucleobase)complexes of PtII as metalloligands and potential building blocks for molecular architectures. Dalton Transactions, 2005, , 1679.	1.6	11
95	Metal-Mediated Deamination of Cytosine: Experiment and DFT Calculations. Angewandte Chemie - International Edition, 2004, 43, 5396-5399.	7.2	33
96	Coexistence of major and minor tautomers of 1-methylcytosine (1-MeC) in a single metal complex, trans-Pt(1-MeC-N3)(1-MeC-N4)X2 (X=Cl, I): metal migration N3â†'N4 at acidic pH. Inorganica Chimica Acta, 2004, 357, 4552-4561.	1.2	33
97	Diplatinum(III) Complexes with Four Bridging 1-Methylcytosinato Nucleobases Derived from a Mononuclear trans-(NH3)2PtII Complex and CuII. Inorganic Chemistry, 2003, 42, 5117-5125.	1.9	23