

Pablo J Sanz Miguel

List of Publications by Year in descending order

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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	Single layers of a multifunctional laminar Cu(i,ii) coordination polymer. <i>Chemical Communications</i> , 2010, 46, 3262.	2.2	225
2	Effective Fixation of CO ₂ by Iridium-Catalyzed Hydrosilylation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12824-12827.	7.2	130
3	Metallatriangles and metallasquares: the diversity behind structurally characterized examples and the crucial role of ligand symmetry. <i>Chemical Society Reviews</i> , 2011, 40, 4475.	18.7	115
4	A Conducting Coordination Polymer Based on Assembled Cu ₉ Cages. <i>Inorganic Chemistry</i> , 2008, 47, 9128-9130.	1.9	95
5	Microwave assisted hydrothermal synthesis of a novel CuI-sulfate-pyrazine MOF. <i>Inorganic Chemistry Communication</i> , 2007, 10, 921-924.	1.8	85
6	The Renaissance of Metal-Pyrimidine Nucleobase Coordination Chemistry. <i>Accounts of Chemical Research</i> , 2016, 49, 1537-1545.	7.6	84
7	An Alternative Mechanistic Paradigm for the $\hat{I}^2\text{-Z}$ Hydrosilylation of Terminal Alkynes: The Role of Acetone as a Silane Shuttle. <i>Chemistry - A European Journal</i> , 2013, 19, 17559-17566.	1.7	81
8	A synthon for a 14-electron Ir(iii) species: catalyst for highly selective $\hat{I}^2\text{-Z}$ hydrosilylation of terminal alkynes. <i>Chemical Communications</i> , 2012, 48, 9480.	2.2	60
9	Pyrazine as a Building Block for Molecular Architectures with PtII. <i>Inorganic Chemistry</i> , 2006, 45, 2093-2099.	1.9	56
10	Towards Molecular Wires Based on Metal-Organic Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2885-2896.	1.0	55
11	Hydrolysis and Methanolysis of Silanes Catalyzed by Iridium(III) Bis-N-Heterocyclic Carbene Complexes: Influence of the Wingtip Groups. <i>Organometallics</i> , 2015, 34, 2378-2385.	1.1	51
12	Organocatalytic enantioselective hydrophosphonylation of aldehydes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1258-1264.	1.5	47
13	Conductive Nanostructures of MMX Chains. <i>Advanced Functional Materials</i> , 2010, 20, 1451-1457.	7.8	45
14	Direct evidence of nanowires formation from a Cu(i) coordination polymer. <i>Chemical Communications</i> , 2008, , 945-947.	2.2	43
15	Electrical Conductivity in Platinum-Dimer Columns. <i>Inorganic Chemistry</i> , 2008, 47, 9736-9738.	1.9	39
16	On the many roles of NH ₃ ligands in mono- and multinuclear complexes of platinum. <i>Dalton Transactions</i> , 2009, , 10774.	1.6	39
17	More of a misunderstanding than a real mismatch? Platinum and its affinity for aqua, hydroxido, and oxido ligands. <i>Coordination Chemistry Reviews</i> , 2016, 327-328, 333-348.	9.5	38
18	Preferential $\hat{I}^2\text{-Z}$ Hydrosilylation of Terminal Alkynes by Bis-N-Heterocyclic Carbene Rhodium(III) Catalysts. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 350-354.	2.1	37

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37	Electrostatics Plus π - π Interactions Rather Than σ -Directed π -Hydrogen Bonding Keep SO_4^{2-} in a Triangular Pt_3Pd_3 π -Tris(2,2'-bipyrazine) Host. <i>Chemistry - A European Journal</i> , 2010, 16, 5577-5580.	1.7	23
38	The role of intramolecular hydrogen bonding on nucleobase acidification following metal coordination: possible implications of an π -indirect π -role of metals in acid-base catalysis of nucleic acids. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 800-812.	1.1	22
39	From metal-nucleobase chemistry towards molecular wires. <i>Inorganica Chimica Acta</i> , 2009, 362, 691-706.	1.2	22
40	Expanding the pH Range of Metal-Nucleobase Complexes for Acid-Base Chemistry: Properties of Bis(guanine) Complexes of (bpy) PtII with Either Two Major or Major and Minor Tautomers Bonded Simultaneously. <i>Inorganic Chemistry</i> , 2009, 48, 5208-5215.	1.9	22
41	σ -Directed Assembly of Metallacalix[n]arenes with Pyrimidine Nucleobase Ligands of Low Symmetry: Interchanging Metals in Mixed-Metal Metallacalix[4]arenes and Incorporating Additional Metals at the Exocyclic Groups. <i>Chemistry - A European Journal</i> , 2011, 17, 4205-4216.	1.7	22
42	Hybrids between classical and metallacalix[4]arenes based on uracil and cis- PtII_2 entities (L = P(Ph)_3) $\text{Pt}_2\text{L}_2\text{U}_2$ $\text{Pt}_2\text{L}_2\text{U}_2$ $\text{Pt}_2\text{L}_2\text{U}_2$	1.6	21
43	A neutral Pt_3 stack unsupported by any bridging ligand. <i>Dalton Transactions</i> , 2011, 40, 5159.	1.6	21
44	Exploring the Metal Coordination Properties of the Pyrimidine Part of Purine Nucleobases: Isomerization Reactions in Heteronuclear PtII/PdII of 9-Methyladenine. <i>Inorganic Chemistry</i> , 2011, 50, 10439-10447.	1.9	21
45	A bimetallic iridium(II) catalyst: $\{\text{Ir}(\text{IDipp})(\text{H})\}_2[\text{BF}_4]_2$ (IDipp =) $\text{Ir}_2\text{L}_2\text{U}_2$ (1,3-bis(2,6-diisopropylphenyl)imidazole)	2.2	21
46	Interguanine hydrogen-bonding patterns in adducts with water and Zn-purine complexes (purine is) ZnU_2 ZnU_2 ZnU_2	1.1	20
47	Isomerism with Metallacalix[4]arenes of the Nonsymmetrical Pyrimidine Nucleobase Cytosine: How Connectivity and Rotamer State Determine the Topology of Multinuclear Derivatives. <i>Inorganic Chemistry</i> , 2010, 49, 7635-7637.	1.9	20
48	Direct X-Ray Scattering Evidence for Metal-Metal Interactions in Solution at the Molecular Level. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12762-12766.	7.2	20
49	Models of Putative (AH)G(AH)G Nucleobase Quartets. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5670-5674.	7.2	19
50	PdII -Catalyzed Condensation of a Mononuclear PtII -Nucleobase Complex to Its Head-Tail Dimer: Characterization of a Key Intermediate and an End Product. <i>Chemistry - A European Journal</i> , 2009, 15, 10723-10726.	1.7	19
51	Multiple Metal Binding to the 9-Methyladenine Model Nucleobase Involving N1, N6, and N7: Discrete Di- and Trinuclear Species with Different Combinations of Monofunctional PdII and PtII Entities. <i>Inorganic Chemistry</i> , 2012, 51, 10437-10446.	1.9	19
52	(Dien)MII (M=Pd, Pt) and $(\text{NH}_3)_3\text{PtII}$ complexes of 1-methylcytosine: Linkage and rotational isomerism, metal-promoted deamination, and pathways to dinuclear species. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 980-991.	1.5	18
53	Isolation of an Intermediate in the Platination of p-Nitroacetophenone 4-Methylthiosemicarbazone: Potential Application as an Antitumor Drug. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1183-1187.	1.0	17
54	Stepwise Coordination of PtII and PdII Metal Fragments to the Purine Nucleobase 9-Methylhypoxanthine Affords a Closed Octadecanuclear $\text{Pt}_6\text{Pd}_{12}$ Cluster. <i>Chemistry - A European Journal</i> , 2013, 19, 9800-9806.	1.7	17

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55	An Insight into Transfer Hydrogenation Reactions Catalysed by Iridium(III) Bis- η^5 -heterocyclic Carbenes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 4388-4395.	1.0	17
56	Unusual Dimeric Zn(II)-cytosine complexes: New models of the interaction of Zn(II) with DNA and RNA. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 203-208.	1.5	16
57	C_3 -Symmetric Pt ₃ Pd ₃ Purine Vases Based on a Metal Coordination Motif Involving the Pyrimidinic N1 and N3 Sites. <i>Chemistry - A European Journal</i> , 2011, 17, 9283-9287.	1.7	16
58	Discrete and polymeric heteronuclear constructs derived from triangular 2,2'-bipyrazine complexes of cis-a ₂ PtII (with a = NH ₃ or a ₂ = en). <i>Dalton Transactions</i> , 2013, 42, 16151.	1.6	16
59	Supramolecular Assembly of Diplatinum Species through Weak Pt ^{II} ...Pt ^{II} Intermolecular Interactions: A Combined Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2012, 18, 13787-13799.	1.7	15
60	Comparing Pt II - and Pd II -nucleobase coordination chemistry: Why Pd II not always is a good substitute for Pt II. <i>Inorganica Chimica Acta</i> , 2018, 472, 207-213.	1.2	15
61	Pt ^{II} Coordination to N1 of 9-Methylguanine: Why it Facilitates Binding of Additional Metal Ions to the Purine Ring. <i>Chemistry - A European Journal</i> , 2011, 17, 9970-9983.	1.7	14
62	Different Rotamer States of Cytosine Nucleobases in Heteronuclear PtPd-, PtPd ₂ , and Pt ₂ Pd ₂ Ag Complexes Derived from [Pt(2,2'-bpy)(1-MeC-N ₃) ₂] ²⁺ (1-MeC = 1-Methylcytosine): First Examples of Species with Head-Head Oriented 1-MeC ⁺ Ligands. <i>Inorganic Chemistry</i> , 2012, 51, 6784-6793.	1.9	13
63	A Conformationally Flexible Dinuclear Pt ^{II} Complex with Differential Behavior of its Two States toward Quadruplex DNA. <i>Chemistry - A European Journal</i> , 2013, 19, 11429-11438.	1.7	13
64	Coordination of two different metal ions as reason for N-chirality in 1/4-amide complexes. <i>Dalton Transactions</i> , 2011, 40, 10316.	1.6	12
65	Supramolecular Isomerism of 2,2'-Bipyrazine Complexes with cis-(NH ₃) ₂ Pt II : Ligand Rotational State and Sequential Orientation Determine the 3D Shape of Metallacycles. <i>Chemistry - A European Journal</i> , 2011, 17, 10771-10780.	1.7	12
66	Cationic tetrakis(nucleobase)complexes of PtII as metalloligands and potential building blocks for molecular architectures. <i>Dalton Transactions</i> , 2005, , 1679.	1.6	11
67	The Challenge of Deciphering Linkage Isomers in Mixtures of Oligomeric Complexes Derived from 9-Methyladenine and <i>trans</i> - η^3 -Pt ^{II} Units. <i>Chemistry - A European Journal</i> , 2015, 21, 5794-5806.	1.7	11
68	Enhanced Metallophilicity in Metal-Carbene Systems: Stronger Character of Aurophilic Interactions in Solution. <i>Chemistry - A European Journal</i> , 2020, 26, 997-1002.	1.7	11
69	Discrete Molecular Squares {[<i>(en)</i> M(CN) ₄] ⁴⁺ } Derived from [<i>(en)</i> M(CN) ₂] (M = Pt ^{II} , Pd ^{II}). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1649-1656.	1.0	10
70	7-Methylguanine: protonation, formation of linkage isomers with <i>trans</i> -(NH ₃) ₂ PtII, and base pairing properties. <i>Dalton Transactions</i> , 2012, 41, 6094.	1.6	10
71	Unique Pt ₅ metallacycle: [PtIICl(pyrrolidinedithiocarbamate)] ₅ . <i>Dalton Transactions</i> , 2011, 40, 10809.	1.6	9
72	Unsupported single-walled water cluster nanotube: A novel hydrogen bonding pattern for water organization. <i>CrystEngComm</i> , 2012, 14, 6178.	1.3	9

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73	Expected and Unconventional Ag ⁺ Binding Modes in Heteronuclear Pt,Ag Coordination Polymers Derived from <i>trans</i> -[Pt(methylamine) ₂ (pyrazole) ₂] ²⁺ . <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1122-1129.	1.0	9
74	Mixed Adenine/Guanine Quartets with Three <i>trans</i> -[Pt(a) ₂] ^{II} (a = NH ₃ or MeNH ₂) Crosslinks: Linkage and Rotational Isomerism, Base Pairing, and Loss of NH ₃ . <i>Chemistry - A European Journal</i> , 2014, 20, 3394-3407.	1.7	9
75	Merging Metal-Nucleobase Chemistry With Supramolecular Chemistry. <i>Advances in Inorganic Chemistry</i> , 2018, 71, 277-326.	0.4	9
76	Influence of PtII and PdII coordination on the equilibrium of 2,2'-dipyridylketone (dpk) with its hydrated gem-diol form (dpk-H ₂ O). <i>Inorganica Chimica Acta</i> , 2010, 363, 3048-3054.	1.2	8
77	S-S bond reactivity in metal-perthiocarboxylato compounds. <i>Dalton Transactions</i> , 2010, 39, 1511-1518.	1.6	8
78	A π -directed approach toward a cationic molecular square containing four isonicotinamidate ligands and (4+2) (en)PtII metal entities. <i>Inorganica Chimica Acta</i> , 2011, 374, 453-460.	1.2	8
79	[NO ₃] ₃ {(en)Pt(2,2'-bpz)} ₃ NO ₃ (SO ₄) ₂ : Snapshot of nitrate insertion into a cationic Pt ₃ metallacycle or simply a packing effect?. <i>Dalton Transactions</i> , 2010, 39, 6386.	1.6	7
80	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. <i>Inorganica Chimica Acta</i> , 2014, 417, 274-286.	1.2	7
81	Crystallographic and Computational Study on Cationic Triply Hydrogen-Bonded Nucleobases without Direct Anionic Stabilization. <i>Crystal Growth and Design</i> , 2015, 15, 5873-5878.	1.4	7
82	Multiple Condensation Reactions Involving Pt ^{II} /Pd ^{II} -OH ₂ , Pt ^{II} -NH ₃ , and Cytosine-NH ₂ Groups: New Twists in Cisplatin-Nucleobase Chemistry. <i>Chemistry - A European Journal</i> , 2016, 22, 13653-13668.	1.7	7
83	Flat vs. Folded Chelate Rings in <i>cis</i> -[Pt(a) ₂] (a = NH ₃) Tj ETQq1 1 0.784314 rgBT /Overl <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 1691-1698.	0.6	6
84	Dimethylphosphinate bridged binuclear Rh(I) catalysts for the alkoxy carbonylation of aromatic C-H bonds. <i>Dalton Transactions</i> , 2016, 45, 16955-16965.	1.6	6
85	Decaborane anion tautomerism: ion pairing and proton transfer control. <i>Dalton Transactions</i> , 2018, 47, 5850-5859.	1.6	6
86	Dinuclear silver and gold bisNHC complexes as drug candidates for cancer therapy. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 67, 116814.	1.4	6
87	Analogues of Cis- and Transplatin with a Rich Solution Chemistry: <i>cis</i> -[PtCl ₂ (NH ₃) ₃](1-MeC ₆ H ₄ N ₃) and <i>trans</i> -[PtCl ₂ (NH ₃) ₂](1-MeC ₆ H ₄ N ₃). <i>Chemistry - A European Journal</i> , 2015, 21, 17827-17843.	1.7	5
88	Topology of metallacalix[4]arenes with uracil and cytosine ligands: favorable and unfavorable assemblies. <i>New Journal of Chemistry</i> , 2016, 40, 5914-5919.	1.4	5
89	Beyond sole models for the first steps of Pt-DNA interactions: Fundamental properties of mono(nucleobase) adducts of PtII coordination compounds. <i>Coordination Chemistry Reviews</i> , 2022, 465, 214566.	9.5	5
90	Construction of preorganized uracil based polytopic tectons for hydrogen-bonded supramolecular architectures. <i>Journal of Molecular Structure</i> , 2012, 1015, 99-105.	1.8	4

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91	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. <i>Journal of Biological Inorganic Chemistry</i> , 2017, 22, 567-579.	1.1	4
92	Nucleophilic Reactivity at a σ -CH Arm of a Lutidine-Based CNC/Rh System: Unusual Alkyne and CO ₂ Activation. <i>Inorganic Chemistry</i> , 2022, 61, 7120-7129.	1.9	4
93	Molecular Architectures Derived from Metal Ions and the Flexible 3,3'- π^2 -Bipyridine Ligand: Unexpected Dimer with Hg(II). <i>Bioinorganic Chemistry and Applications</i> , 2010, 2010, 1-8.	1.8	3
94	Supramolecular architectures based on 6-purinethione complexes. <i>Inorganica Chimica Acta</i> , 2014, 417, 142-147.	1.2	3
95	Hirshfeld and DFT analysis of the N-heterocyclic carbene proligand methylenebis(<i>N</i> -butylimidazolium) as the acetonitrile-solvated diiodide salt. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016, 72, 456-459.	0.2	3
96	3,5-Di- <i>p</i> -toluoyl-1,2-dideoxy- β -D-ribofuranose. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, o4693-o4693.	0.2	0
97	Frontispiece: Enhanced Metallophilicity in Metal-Carbene Systems: Stronger Character of Aurophilic Interactions in Solution. <i>Chemistry - A European Journal</i> , 2020, 26, .	1.7	0