

Juan JesÃ³s Fiol

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Crystal structures of N^{6} -modified-amino acid nucleobase analogs($\langle iii \rangle$): adenine \rightarrow valeric acid, adenine \rightarrow hexanoic acid and adenine \rightarrow gabapentine. New Journal of Chemistry, 2020, 44, 12236-12246.	2.8	5
2	Metal removal from the secondary building unit of bio-MOF-1 by adenine N6-alkylation while retaining the overall 3D porous topology. CrystEngComm, 2020, 22, 4201-4205.	2.6	2
3	Synthesis, X-ray characterization and regium bonding interactions of a trichlorido(1-hexylcytosine)gold($\langle iii \rangle$) complex. Chemical Communications, 2020, 56, 3524-3527.	4.1	28
4	Iridium(III) coordination of N(6) modified adenine derivatives with aminoacid chains. Journal of Inorganic Biochemistry, 2020, 205, 111000.	3.5	7
5	Crystal structures of N6-modified-amino acid related nucleobase analogs (II): hybrid adenine- β -alanine and adenine-GABA molecules. New Journal of Chemistry, 2019, 43, 9680-9688.	2.8	13
6	Synthesis, X-ray characterization and density functional theory studies of N^{6} -benzyl- N^{6} -methyladenine \rightarrow M(II) complexes (M=Zn, Cd): The prominent role of π - π , C \rightarrow H \cdots and anion \rightarrow π interactions. Applied Organometallic Chemistry, 2019, 33, e4906.	3.5	12
7	Cu(II) \rightarrow N6-Alkyladenine Complexes: Synthesis, X-ray Characterization and Magnetic Properties. Magnetochemistry, 2018, 4, 24.	2.4	2
8	Crystal structures of N^{6} -modified-aminoacid/peptide nucleobase analogs: hybrid adenine \rightarrow glycine and adenine \rightarrow glycylglycine molecules. New Journal of Chemistry, 2018, 42, 14742-14750.	2.8	9
9	X-ray Crystal Structure of a Metalled Double \rightarrow Helix Generated by Infinite and Consecutive C \rightarrow Ag \rightarrow C* (C*:N \rightarrow 1 \rightarrow Hexylcytosine) Base Pairs through Argentophilic and Hydrogen Bond Interactions. Chemistry - A European Journal, 2017, 23, 2103-2108.	3.3	41
10	The first X-ray structure of a silver \rightarrow nucleotide complex: interaction of ion Ag($\langle i \rangle$) with cytidine-5 \rightarrow monophosphate. CrystEngComm, 2017, 19, 5830-5834.	2.6	18
11	Synthesis, X-ray characterization and DFT studies of N-benzimidazolyl-pyrimidine \rightarrow M($\langle ii \rangle$) complexes (M = Cu, Co and Ni): the prominent role of π -hole and anion \rightarrow π interactions. CrystEngComm, 2015, 17, 5987-5997.	2.6	18
12	New chloride-dimethylsulfoxide-iridium(III) complex with histaminium. Polyhedron, 2015, 102, 735-740.	2.2	2
13	Crystal structures and DFT calculations of new chlorido-dimethylsulfoxide-MIII (M = Ir, Ru, Rh) complexes with the N-pyrazolyl pyrimidine donor ligand: kinetic vs. thermodynamic isomers. Dalton Transactions, 2014, 43, 6353.	3.3	6
14	Synthesis, X-ray characterization and DFT studies of bis-N-imidazolylpyrimidine salts: the prominent role of hydrogen bonding and anion \rightarrow π interactions. CrystEngComm, 2014, 16, 9043-9053.	2.6	18
15	Structural characterization, recognition patterns and theoretical calculations of long-chain N-alkyl substituted purine and pyrimidine bases as ligands: On the importance of anion \rightarrow π interactions. Coordination Chemistry Reviews, 2013, 257, 2705-2715.	18.8	42
16	Metallomacrocycles as anion receptors: combining hydrogen bonding and ion pair based hosts formed from Ag(i) salts and flexible bis- and tris-pyrimidine ligands. Chemical Communications, 2013, 49, 4944.	4.1	16
17	Synthesis, X-ray characterization and computational studies of Cu(ii) complexes of N-pyrazolyl pyrimidine. Dalton Transactions, 2012, 41, 11161.	3.3	8
18	Complexes of Zinc(II) with N^{6} -imidazolyl \rightarrow and N^{6} -pyrazolylpyrimidine Donor Ligands: Synthesis, Crystal Structures, and Theoretical Study. European Journal of Inorganic Chemistry, 2012, 2012, 3995-4003.	2.0	11

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19	Synthesis, X-ray characterization and computational Studies of N-imidazolyl and N-pyrazolyl pyrimidine derivatives. Tetrahedron, 2012, 68, 2374-2382.	1.9	8
20	New Chlorido(dimethyl sulfoxide)iridium(III) Complexes with N6-Substituted Adenines - Kinetic N(7) versus Thermodynamic N(9) Coordinated Adenine Isomers. European Journal of Inorganic Chemistry, 2010, 2010, 5617-5628.	2.0	10
21	A Combined Experimental and Theoretical Study of Anion- π Interactions in $N^{6,9}$ -Decyladenine Salts. European Journal of Organic Chemistry, 2010, 2010, 5171-5180.	2.4	19
22	Ruthenium(III) and iridium(III) complexes with nicotine. Polyhedron, 2010, 29, 34-41.	2.2	27
23	2-Aminopyrimidine Derivatives Exhibiting Anion- π Interactions: A Combined Crystallographic and Theoretical Study. Crystal Growth and Design, 2009, 9, 2363-2376.	3.0	39
24	Cytokinin activity of disubstituted aminopurines in Amaranthus. Journal of Plant Physiology, 2009, 166, 1529-1536.	3.5	12
25	Ruthenium(III) complexes with modified nucleobases: N6-Substituted adenines. Polyhedron, 2008, 27, 2851-2858.	2.2	13
26	Anion- π Interactions in Bisadenine Derivatives: A Combined Crystallographic and Theoretical Study. Inorganic Chemistry, 2007, 46, 10724-10735.	4.0	104
27	A Combined Experimental and Theoretical Study of Anion- π Interactions in Bis(pyrâimidine) Salts. European Journal of Organic Chemistry, 2007, 2007, 5821-5825.	2.4	29
28	Biological recognition patterns implicated by the formation and stability of ternary metal ion complexes of low-molecular-weight formed with amino acid/peptides and nucleobases/nucleosides. Coordination Chemistry Reviews, 2007, 251, 1973-1986.	18.8	83
29	N ₉ ,N ₉ - π^2 -polymethylene-bisadenine complexes with d ¹⁰ metal ions. Polyhedron, 2007, 26, 949-957.	2.2	13
30	Molecular architecture by means of interactions between Ag(I) and glycine derivatives. Polyhedron, 2006, 25, 71-80.	2.2	22
31	Different ways of interaction between binary copper(II)-Schiff bases (Cu- π -N-salicylideneserinato) and pyrimidine derivatives. Polyhedron, 2006, 25, 2295-2302.	2.2	16
32	Ruthenium complexes with purine derivatives: Syntheses, structural characterization and preliminary studies with plasmidic DNA. Inorganic Chemistry Communication, 2005, 8, 800-804.	3.9	30
33	Ag(I) complexes with alkylidene-bis(2-aminopyrimidines) as building units for discrete metallomacrocyclic frames. A structural and solution study. Dalton Transactions, 2005, , 3763.	3.3	7
34	Uracilato and 5-halouracilato complexes of Cu(II), Zn(II) and Ni(II). X-ray structures of [Cu(uracilato-N1) ₂ (NH ₃) ₂] \cdot 2(H ₂ O), [Cu(5-chlorouracilato-N1) ₂ (NH ₃) ₂](H ₂ O) ₂ , [Ni(5-chlorouracilato-N1) ₂ (en) ₂] \cdot 2H ₂ O and [Zn(5-chlorouracilato-N1)(NH ₃) ₃] \cdot (5-chlorouracilato-N1) \cdot (H ₂ O). Journal of Inorganic Biochemistry, 2004, 98, 632-638.	3.5	21
35	Ternary complexes metal [Co(II), Ni(II), Cu(II) and Zn(II)] π ortho-iodohippurate (I-hip) π acyclovir. X-ray characterization of isostructural [(Co, Ni or Zn)(I-hip) ₂ (ACV)(H ₂ O) ₃] with stacking as a recognition factor. Journal of Inorganic Biochemistry, 2004, 98, 1703-1711.	3.5	28
36	Reactivity of copper(II) peptide complexes with bioligands (benzimidazole and creatinine). Polyhedron, 2003, 22, 3255-3264.	2.2	40

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37	Synthesis, structure and nuclease properties of several ternary copper(II) peptide complexes with 1,10-phenanthroline. <i>Journal of Inorganic Biochemistry</i> , 2003, 95, 77-86.	3.5	80
38	Crystal structure of the copper(II) ternary complex of N-salicylidene-L-serinato with 2,6-diaminopyridine.. <i>Polyhedron</i> , 2003, 22, 403-409.	2.2	27
39	Synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N6,N6â€²-bisadenine. <i>Journal of Inorganic Biochemistry</i> , 2003, 93, 141-151.	3.5	14
40	Synthesis and structure of peptideâ€“copper(II)â€“isocytosine ternary complexes. <i>Polyhedron</i> , 2002, 21, 1197-1201.	2.2	14
41	Bioinorganic chemistry of copper(II) complexes of N-salicylidene-aminoacidato: associative versus dissociative mechanism in the formation of copper ternary complexes with 2-aminopyridine (or) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	10
42	Crystal structures of two copper(II) ternary complexes of N-salicylidene-tryptophanato with 2-aminopyridine and 2-aminopyrimidine. <i>Polyhedron</i> , 2001, 20, 2877-2884.	2.2	35
43	Synthesis of Zn N-salicylidene-L-aminoacidatos: X-ray structure of [(N-salicylidene-L-alaninato)(aqua)zinc(II)]Âˆ0.25H ₂ O and [(N-salicylidene-L-valinato)(aqua)zinc(II)]. <i>Polyhedron</i> , 2000, 19, 673-680.	2.2	34
44	Coordination behaviour of sulfanilamide derivatives.. <i>Polyhedron</i> , 2000, 19, 991-1004.	2.2	74
45	Crystal structures of the N-salicylideneâ€“L-serinatoaquacopper(II) monohydrate and its ternary derivative with 2-aminopyridine. <i>Polyhedron</i> , 1999, 18, 871-878.	2.2	49
46	Reaction of trimethyleneâ€“bisadenine with d10 divalent cations. <i>Polyhedron</i> , 1999, 18, 765-772.	2.2	24
47	Structures of tetrachlorometalates [Zn(II) and Hg(II)] of trimethylene-bisadeninium. <i>Polyhedron</i> , 1999, 18, 3077-3083.	2.2	10
48	Synthesis and structural characteristics of metalâ€“acyclovir (ACV) complexes: [Ni(or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (Co) acyclovir by Niâ€“ACV. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 167-174.	1.1	32
49	Synthesis and structure of isocytosine ternary copper(II) complexesâ€“â€“. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 1031-1036.	1.1	19
50	Synthesis and characterization of a new Ni(II) pyrimidine complex. Crystal and molecular structure of trans-bis(isocytosine-O4) bis(ethylenediamine) Ni(II) bis(tetraphenylborate). <i>Inorganica Chimica Acta</i> , 1997, 262, 85-89.	2.4	10
51	Metallation of 2-sulfanilamidopyrimidine (sulfadiazine). X-ray diffraction structure and solution behaviour of bis(sulfadiazinato) mercury(II) bis(dimethylsulfoxide). <i>Polyhedron</i> , 1997, 16, 613-621.	2.2	24
52	Complexation of Nickel(II) with Guanosine 5â€“Monophosphate and Inosine 5â€“Monophosphate:Âˆ A Potentiometric and Calorimetric Study. <i>Inorganic Chemistry</i> , 1996, 35, 3786-3791.	4.0	12
53	X-ray diffraction structure of a ternary copper(II) peptide complex (benzimidazole) (glycylglycinato) copper(II) trihydrate. <i>Polyhedron</i> , 1996, 15, 1829-1834.	2.2	22
54	X-ray diffraction structures of two N-salicylidene tryptophananato diaquocopper(II) complexes: erythro and threo isomers. <i>Polyhedron</i> , 1996, 15, 4407-4413.	2.2	37

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55	X-ray crystal structure of a ternary copper(II) peptide creatinine complex, (Aquo)(Creatinine)(Glycylglycinato) copper(II) sesquihydrate. <i>Polyhedron</i> , 1995, 14, 2537-2545.	2.2	20
56	Complexes of Nickel(II) with creatinine: X-ray crystal structures and spectroscopic studies. <i>Journal of Inorganic Biochemistry</i> , 1995, 60, 109-122.	3.5	15
57	Metallation of Isatin (2,3-Indolinedione). X-Ray Structure and Solution Behavior of Bis(Isatinato)Mercury(II). <i>Metal-Based Drugs</i> , 1995, 2, 81-90.	3.8	6
58	Synthesis and characterization of a novel copper(II)-cytosine complex: tetrakis(cytosine)copper(II) chloride bis(dimethylacetamide) solvate. <i>Polyhedron</i> , 1994, 13, 2513-2518.	2.2	22
59	Synthesis and Characterization of Adenine Histidine Ternary Complexes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 1993, 23, 937-947.	1.8	2
60	Some new chromium(III) complexes of nicotinic acid; a D NMR and EPR study. <i>Inorganica Chimica Acta</i> , 1992, 192, 139-142.	2.4	15
61	Ternary chromium(III)-nucleotide-amino acid complexes: L-methionine, L-serine and glycine derivatives. <i>Inorganica Chimica Acta</i> , 1990, 169, 133-139.	2.4	23
62	Synthesis and characterization of nickel(II) complexes of purine and pyrimidine bases. Crystal and molecular structure of trans-bis(cytosine-O2)bis(ethylenediamine)nickel(II) bis(tetraphenylborate). An unusual metal binding mode of cytosine. <i>Inorganic Chemistry</i> , 1990, 29, 5168-5173.	4.0	52
63	Crystal structures and spectroscopic studies of ternary compounds of Ni(II) with ethylenediamine and 5'-GMP and 5'-IMP. <i>Journal of Inorganic Biochemistry</i> , 1989, 35, 191-214.	3.5	18
64	Ternary chromium(III)-nucleotide-cysteine complexes. <i>Inorganica Chimica Acta</i> , 1989, 157, 127-132.	2.4	18
65	Ternary chromium(III)-histidine-nucleotide complexes. <i>Inorganica Chimica Acta</i> , 1989, 158, 59-68.	2.4	13
66	Automatic batch calorimetry: Application to the determination of the thermodynamic parameters of Co(II)-5' adenosine monophosphate complex formation. <i>Thermochimica Acta</i> , 1989, 141, 141-149.	2.7	7
67	Ternary chromium(III)-nucleotide-amino acid complexes III. L-Glutamic acid derivatives. <i>Inorganica Chimica Acta</i> , 1989, 165, 131-137.	2.4	9
68	Chromium(III) interactions with nucleotides. III. <i>Inorganica Chimica Acta</i> , 1987, 138, 105-112.	2.4	9
69	Some new complexes of Co(III) with hypoxanthine, inosine and purine nucleotides. <i>Inorganica Chimica Acta</i> , 1987, 138, 199-204.	2.4	9
70	Some new derivatives of Co(III) with uracil, uridine and pyrimidine nucleotides. <i>Inorganica Chimica Acta</i> , 1987, 135, 197-202.	2.4	25
71	Some new derivatives of Ni(II) with uracil, uridine and nucleotides. <i>Inorganica Chimica Acta</i> , 1986, 125, 159-166.	2.4	15
72	Chromium(III) interactions with nucleotides. II. <i>Inorganica Chimica Acta</i> , 1986, 124, 75-81.	2.4	12

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73	Some new derivatives of Cr(III) with uracil, uridine and 5'-UMP. Polyhedron, 1986, 5, 1125-1130.	2.2	3
74	Chromium(III) interactions with nucleotides. Inorganica Chimica Acta, 1984, 83, 69-73.	2.4	14
75	Modified-amino acid/peptide pyrimidine analogs: synthesis, structural characterization and DFT studies of N-(pyrimidyl)gabapentine and N-(pyrimidyl)baclofen. New Journal of Chemistry, 0, , .	2.8	1