

Juan Jess Fiol

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#	Paper	IF	Citations
74	Anion- π interactions in bisadenine derivatives: a combined crystallographic and theoretical study. <i>Inorganic Chemistry</i> , 2007 , 46, 10724-35	5.1	94
73	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. <i>Coordination Chemistry Reviews</i> , 2007 , 251, 1973-1986	23.2	80
72	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	4.2	74
71	Coordination behaviour of sulfanilamide derivatives.. <i>Polyhedron</i> , 2000 , 19, 991-1004	2.7	65
70	Crystal structures of the N-salicylidene- π -serinatoaquacopper(II) monohydrate and its ternary derivative with 2-aminopyridine. <i>Polyhedron</i> , 1999 , 18, 871-878	2.7	43
69	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	5.1	42
68	Structural characterization, recognition patterns and theoretical calculations of long-chain N-alkyl substituted purine and pyrimidine bases as ligands: On the importance of anion- π interactions. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 2705-2715	23.2	41
67	Reactivity of copper(II) peptide complexes with bioligands (benzimidazole and creatinine). <i>Polyhedron</i> , 2003 , 22, 3255-3264	2.7	38
66	2-Aminopyrimidine Derivatives Exhibiting Anion- π Interactions: A Combined Crystallographic and Theoretical Study. <i>Crystal Growth and Design</i> , 2009 , 9, 2363-2376	3.5	37
65	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	2.7	34
64	X-ray Crystal Structure of a Metalled Double-Helix Generated by Infinite and Consecutive C*-Ag -C* (C*:N -Hexylcytosine) Base Pairs through Argentophilic and Hydrogen Bond Interactions. <i>Chemistry - A European Journal</i> , 2017 , 23, 2103-2108	4.8	32
63	X-ray diffraction structures of two N-salicylidene tryptophanato diaquocopper(II) complexes: erythro and threo isomers. <i>Polyhedron</i> , 1996 , 15, 4407-4413	2.7	31
62	Ruthenium complexes with purine derivatives: Syntheses, structural characterization and preliminary studies with plasmidic DNA. <i>Inorganic Chemistry Communication</i> , 2005 , 8, 800-804	3.1	30
61	A Combined Experimental and Theoretical Study of Anion- π Interactions in Bis(pyr π imidine) Salts. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 5821-5825	3.2	29
60	Synthesis of Zn N-salicylidene-l-aminoacidatos: X-ray structure of [(N-salicylidene-l-alaninato)(aqua)zinc(II)] \cdot 2.5H ₂ O and [(N-salicylidene-l-valinato)(aqua)zinc(II)]. <i>Polyhedron</i> , 2000 , 19, 673-680	2.7	29
59	Synthesis and structural characteristics of metal- π -acyclovir (ACV) complexes: [Ni(or Co)(ACV) ₂ (H ₂ O) ₄ Cl ₂] \cdot ACV, [Zn(ACV)Cl ₂ (H ₂ O)], [Cd(ACV)Cl ₂] \cdot H ₂ O and [Hg(ACV)Cl ₂] \cdot x. Recognition of acyclovir by Ni-ACV. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 167-174		29
58	Ternary complexes metal [Co(II), Ni(II), Cu(II) and Zn(II)]-ortho-iodohippurate (I-hip)-acyclovir. X-ray characterization of isostructural [(Co, Ni or Zn)(I-hip) ₂ (ACV)(H ₂ O) ₃] with stacking as a recognition factor. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1703-11	4.2	27

57	Crystal structure of the copper(II) ternary complex of N-salicylidene-L-serinato with 2,6-diaminopyridine.: Toxicity studies against Drosophila melanogaster. <i>Polyhedron</i> , 2003 , 22, 403-409	2.7	26
56	Reaction of trimethyleneBisadenine with d10 divalent cations. <i>Polyhedron</i> , 1999 , 18, 765-772	2.7	23
55	Ruthenium(III) and iridium(III) complexes with nicotine. <i>Polyhedron</i> , 2010 , 29, 34-41	2.7	22
54	Some new derivatives of Co(III) with uracil, uridine and pyrimidine nucleotides. <i>Inorganica Chimica Acta</i> , 1987 , 135, 197-202	2.7	22
53	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	2.7	21
52	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	2.7	20
51	A Combined Experimental and Theoretical Study of Anion-Interactions in N6- and N9-Decyladenine Salts. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 5171-5180	3.2	19
50	Synthesis and structure of isocytosine ternary copper(II) complexes <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 1031-1036		19
49	Molecular architecture by means of interactions between Ag(I) and glycine derivatives. <i>Polyhedron</i> , 2006 , 25, 71-80	2.7	19
48	Uracilato and 5-halouracilato complexes of Cu(II), Zn(II) and Ni(II). X-ray structures of [Cu(uracilato-N(1))(2)(NH(3))(2)].2(H(2)O), [Cu(5-chlorouracilato-N(1))(2)(NH(3))(2))(H(2)O)(2), [Ni(5-chlorouracilato-N(1))(2)(en)(2)].2H(2)O and [Zn(5-chlorouracilato-N(1))(NH(3))(3)](5-chlorouracilato-N(1))(H(2)O). <i>Journal of Inorganic</i>	4.2	19
47	X-ray diffraction structure of a ternary copper(II) peptide complex (benzimidazole) (glycylglycinato) copper(II) trihydrate. <i>Polyhedron</i> , 1996 , 15, 1829-1834	2.7	19
46	Synthesis, X-ray characterization and regium bonding interactions of a trichlorido(1-hexylcytosine)gold(iii) complex. <i>Chemical Communications</i> , 2020 , 56, 3524-3527	5.8	18
45	Synthesis, X-ray characterization and DFT studies of bis-N-imidazolylpyrimidine salts: the prominent role of hydrogen bonding and anion-Interactions. <i>CrystEngComm</i> , 2014 , 16, 9043-9053	3.3	18
44	Synthesis, X-ray characterization and DFT studies of N-benzimidazolyl-pyrimidineM(II) complexes (M = Cu, Co and Ni): the prominent role of Hole and anion-Interactions. <i>CrystEngComm</i> , 2015 , 17, 5987-5997	3.3	17
43	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	2.7	17
42	Ternary chromium(III)-nucleotide-amino acid complexes: L-methionine, L-serine and glycine derivatives. <i>Inorganica Chimica Acta</i> , 1990 , 169, 133-139	2.7	17
41	Different ways of interaction between binary copper(II)-Schiff bases (CuII-salicylideneserinato) and pyrimidine derivatives. <i>Polyhedron</i> , 2006 , 25, 2295-2302	2.7	15
40	Complexes of Nickel(II) with creatinine: X-ray crystal structures and spectroscopic studies. <i>Journal of Inorganic Biochemistry</i> , 1995 , 60, 109-122	4.2	15

39	The first X-ray structure of a silver-nucleotide complex: interaction of ion Ag(I) with cytidine-5'-monophosphate. <i>CrystEngComm</i> , 2017 , 19, 5830-5834	3.3	14
38	Metallomacrocycles as anion receptors: combining hydrogen bonding and ion pair based hosts formed from Ag(I) salts and flexible bis- and tris-pyrimidine ligands. <i>Chemical Communications</i> , 2013 , 49, 4944-6	5.8	14
37	Synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N6,N6'-bisadenine. <i>Journal of Inorganic Biochemistry</i> , 2003 , 93, 141-51	4.2	14
36	Ruthenium(III) complexes with modified nucleobases: N6-Substituted adenines. <i>Polyhedron</i> , 2008 , 27, 2851-2858	2.7	13
35	Synthesis and structure of peptide-copper(II)-cytosine ternary complexes. <i>Polyhedron</i> , 2002 , 21, 1197-1201	2.9	13
34	Crystal structures and spectroscopic studies of ternary compounds of Ni(II) with ethylenediamine and 5'-UMP and 5'RMP. <i>Journal of Inorganic Biochemistry</i> , 1989 , 35, 191-214	4.2	13
33	Ternary chromium(III)-nucleotide-cysteine complexes. <i>Inorganica Chimica Acta</i> , 1989 , 157, 127-132	2.7	13
32	Cytokinin activity of disubstituted aminopurines in <i>Amaranthus</i> . <i>Journal of Plant Physiology</i> , 2009 , 166, 1529-36	3.6	12
31	N9,N9'-polymethylene-bisadenine complexes with d10 metal ions. <i>Polyhedron</i> , 2007 , 26, 949-957	2.7	12
30	Chromium(III) interactions with nucleotides. <i>Inorganica Chimica Acta</i> , 1984 , 83, 69-73	2.7	12
29	Crystal structures of N6-modified-amino acid related nucleobase analogs (II): hybrid adenine-tyrosine and adenine-GABA molecules. <i>New Journal of Chemistry</i> , 2019 , 43, 9680-9688	3.6	11
28	Complexes of Zinc(II) with N-Imidazolyl- and N-Pyrazolylpyrimidine Donor Ligands: Synthesis, Crystal Structures, and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2012 , 2012, 3995-4003	2.3	11
27	Complexation of Nickel(II) with Guanosine 5'Monophosphate and Inosine 5'Monophosphate: A Potentiometric and Calorimetric Study. <i>Inorganic Chemistry</i> , 1996 , 35, 3786-3791	5.1	11
26	Ternary chromium(III)-histidine-nucleotide complexes. <i>Inorganica Chimica Acta</i> , 1989 , 158, 59-68	2.7	11
25	Some new derivatives of Ni(II) with uracil, uridine and nucleotides. <i>Inorganica Chimica Acta</i> , 1986 , 125, 159-166	2.7	11
24	Chromium(III) interactions with nucleotides. II. <i>Inorganica Chimica Acta</i> , 1986 , 124, 75-81	2.7	11
23	New Chlorido(dimethyl sulfoxide)iridium(III) Complexes with N6-Substituted Adenines [Kinetic N(7) versus Thermodynamic N(9) Coordinated Adenine Isomers. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 5617-5628	2.3	10
22	Some new chromium(III) complexes of nicotinic acid; a D NMR and EPR study. <i>Inorganica Chimica Acta</i> , 1992 , 192, 139-142	2.7	10

21	Synthesis, X-ray characterization and density functional theory studies of N6-benzyl-N6-methyladenineM(II) complexes (M = Zn, Cd): The prominent role of π - π and anion interactions. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4906	3.1	9
20	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	2.7	9
19	Bioinorganic chemistry of copper(II) complexes of N-salicylidene-aminoacido: associative versus dissociative mechanism in the formation of copper ternary complexes with 2-aminopyridine (or pyrimidine). An ab initio study. <i>Polyhedron</i> , 2001 , 20, 2609-2618	2.7	9
18	Structures of tetrachlorometalates [Zn(II) and Hg(II)] of trimethylene-bisadeninium. <i>Polyhedron</i> , 1999 , 18, 3077-3083	2.7	9
17	Ternary chromium(III)-nucleotide-amino acid complexes III. L-Glutamic acid derivatives. <i>Inorganica Chimica Acta</i> , 1989 , 165, 131-137	2.7	9
16	Synthesis, X-ray characterization and computational studies of Cu(II) complexes of N-pyrazolyl pyrimidine. <i>Dalton Transactions</i> , 2012 , 41, 11161-9	4.3	8
15	Some new complexes of Co(III) with hypoxanthine, inosine and purine nucleotides. <i>Inorganica Chimica Acta</i> , 1987 , 138, 199-204	2.7	8
14	Crystal structures of N6-modified-aminoacid/peptide nucleobase analogs: hybrid adenine-glycine and adenine-glycylglycine molecules. <i>New Journal of Chemistry</i> , 2018 , 42, 14742-14750	3.6	7
13	Synthesis, X-ray characterization and computational Studies of N-imidazolyl and N-pyrazolyl pyrimidine derivatives. <i>Tetrahedron</i> , 2012 , 68, 2374-2382	2.4	7
12	Automatic batch calorimetry: Application to the determination of the thermodynamic parameters of Co(II)-5Adenosine monophosphate complex formation. <i>Thermochimica Acta</i> , 1989 , 141, 141-149	2.9	7
11	Chromium(III) interactions with nucleotides. III. <i>Inorganica Chimica Acta</i> , 1987 , 138, 105-112	2.7	7
10	Ag(I) complexes with alkylidene-bis(2-aminopyrimidines) as building units for discrete metallomacrocyclic frames. A structural and solution study. <i>Dalton Transactions</i> , 2005 , 3763-72	4.3	6
9	Crystal structures and DFT calculations of new chlorido-dimethylsulfoxide-M(III) (M = Ir, Ru, Rh) complexes with the N-pyrazolyl pyrimidine donor ligand: kinetic vs. thermodynamic isomers. <i>Dalton Transactions</i> , 2014 , 43, 6353-64	4.3	5
8	Iridium(III) coordination of N(6) modified adenine derivatives with aminoacid chains. <i>Journal of Inorganic Biochemistry</i> , 2020 , 205, 111000	4.2	4
7	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		4
6	Crystal structures of N6-modified-amino acid nucleobase analogs(III): adenine-valeric acid, adenine-hexanoic acid and adenine-gabapentine. <i>New Journal of Chemistry</i> , 2020 , 44, 12236-12246	3.6	4
5	Some new derivatives of Cr(III) with uracil, uridine and 5'-UMP. <i>Polyhedron</i> , 1986 , 5, 1125-1130	2.7	3
4	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		2

- 3 Cu(II)N6-Alkyladenine Complexes: Synthesis, X-ray Characterization and Magnetic Properties. *Magnetochemistry*, **2018**, 4, 24 3.1 2
- 2 New chloride-dimethylsulfoxide-iridium(III) complex with histaminium. *Polyhedron*, **2015**, 102, 735-740 2.7 1
- 1 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 3.3 1