

Juan JesÃ³s Fiol

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Anion-π Interactions in Bisadenine Derivatives: A Combined Crystallographic and Theoretical Study. <i>Inorganic Chemistry</i> , 2007, 46, 10724-10735.	1.9	104
2	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.	9.5	83
3	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.	1.5	80
4	Coordination behaviour of sulfanilamide derivatives.. <i>Polyhedron</i> , 2000, 19, 991-1004.	1.0	74
5	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.	1.9	52
6	Crystal structures of the N-salicylidene-L-serinatoaquacopper(II) monohydrate and its ternary derivative with 2-aminopyridine. <i>Polyhedron</i> , 1999, 18, 871-878.	1.0	49
7	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.	9.5	42
8	X-ray Crystal Structure of a Metalled Double-Helix Generated by Infinite and Consecutive C*⋯Ag^I⋯C* (C*:N¹⋯Hexylcytosine) Base Pairs through Argentophilic and Hydrogen Bond Interactions. <i>Chemistry - A European Journal</i> , 2017, 23, 2103-2108.	1.7	41
9	Reactivity of copper(II) peptide complexes with bioligands (benzimidazole and creatinine). <i>Polyhedron</i> , 2003, 22, 3255-3264.	1.0	40
10	2-Aminopyrimidine Derivatives Exhibiting Anion-π Interactions: A Combined Crystallographic and Theoretical Study. <i>Crystal Growth and Design</i> , 2009, 9, 2363-2376.	1.4	39
11	X-ray diffraction structures of two N-salicylidene tryptophananato diaquocopper(II) complexes: erythro and threo isomers. <i>Polyhedron</i> , 1996, 15, 4407-4413.	1.0	37
12	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.	1.0	35
13	Synthesis of Zn N-salicylidene-l-aminoacidatos: X-ray structure of [(N-salicylidene-l-alaninato)(aqua)zinc(II)]·0.25H ₂ O and [(N-salicylidene-l-valinato)(aqua)zinc(II)]. <i>Polyhedron</i> , 2000, 19, 673-680.	1.0	34
14	Synthesis and structural characteristics of metal-acyclovir (ACV) complexes: [Ni(or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Co) acyclovir by Ni-ACV. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 167-174.	1.1	32
15	Ruthenium complexes with purine derivatives: Syntheses, structural characterization and preliminary studies with plasmidic DNA. <i>Inorganic Chemistry Communication</i> , 2005, 8, 800-804.	1.8	30
16	A Combined Experimental and Theoretical Study of Anion-π Interactions in Bis(pyrimidine) Salts. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5821-5825.	1.2	29
17	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, 1703-1711.	1.5	28
18	Synthesis, X-ray characterization and regium bonding interactions of a trichlorido(1-hexylcytosine)gold(III) complex. <i>Chemical Communications</i> , 2020, 56, 3524-3527.	2.2	28

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19	Crystal structure of the copper(II) ternary complex of N-salicylidene-l-serinato with 2,6-diaminopyridine.. Polyhedron, 2003, 22, 403-409.	1.0	27
20	Ruthenium(III) and iridium(III) complexes with nicotine. Polyhedron, 2010, 29, 34-41.	1.0	27
21	Some new derivatives of Co(III) with uracil, uridine and pyrimidine nucleotides. Inorganica Chimica Acta, 1987, 135, 197-202.	1.2	25
22	Metallation of 2-sulfanilamidopyrimidine (sulfadiazine). X-ray diffraction structure and solution behaviour of bis(sulfadiazinato) mercury(II) bis(dimethylsulfoxide). Polyhedron, 1997, 16, 613-621.	1.0	24
23	Reaction of trimethyleneâ€bisadenine with d10 divalent cations. Polyhedron, 1999, 18, 765-772.	1.0	24
24	Ternary chromium(III)-nucleotide-amino acid complexes: L-methionine, L-serine and glycine derivatives. Inorganica Chimica Acta, 1990, 169, 133-139.	1.2	23
25	Synthesis and characterization of a novel copper(II)-cytosine complex: tetrakis(cytosine)copper(II) chloride bis(dimethylacetamide) solvate. Polyhedron, 1994, 13, 2513-2518.	1.0	22
26	X-ray diffraction structure of a ternary copper(II) peptide complex (benzimidazole) (glycylglycinato) copper(II) trihydrate. Polyhedron, 1996, 15, 1829-1834.	1.0	22
27	Molecular architecture by means of interactions between Ag(I) and glycine derivatives. Polyhedron, 2006, 25, 71-80.	1.0	22
28	Uracilato and 5-halouracilato complexes of Cu(II), Zn(II) and Ni(II). X-ray structures of [Cu(uracilato-N1)2(NH3)2]Â2(H2O), [Cu(5-chlorouracilato-N1)2(NH3)2](H2O)2, [Ni(5-chlorouracilato-N1)2(en)2]Â2H2O and [Zn(5-chlorouracilato-N1)(NH3)3]Â(5-chlorouracilato-N1)Â(H2O). Journal of Inorganic Biochemistry, 2004, 98, 632-638.	1.5	21
29	X-ray crystal structure of a ternary copper(II) peptide creatinine complex, (Aquo)(Creatinine)(Glycylglycinato) copper(II) sesquihydrate. Polyhedron, 1995, 14, 2537-2545.	1.0	20
30	Synthesis and structure of isocytosine ternary copper(II) complexesâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1998, , 1031-1036.	1.1	19
31	A Combined Experimental and Theoretical Study of Anionâ€“ Interactions in <i>N</i> ⁶ and <i>N</i> ⁹ â€Decyladenine Salts. European Journal of Organic Chemistry, 2010, 2010, 5171-5180.	1.2	19
32	Crystal structures and spectroscopic studies of ternary compounds of Ni(II) with ethylenediamine and 5â€GMP and 5â€IMP. Journal of Inorganic Biochemistry, 1989, 35, 191-214.	1.5	18
33	Ternary chromium(III)-nucleotide-cysteine complexes. Inorganica Chimica Acta, 1989, 157, 127-132.	1.2	18
34	Synthesis, X-ray characterization and DFT studies of bis-N-imidazolylpyrimidine salts: the prominent role of hydrogen bonding and anionâ€“ interactions. CrystEngComm, 2014, 16, 9043-9053.	1.3	18
35	Synthesis, X-ray characterization and DFT studies of N-benzimidazolyl-pyrimidineâ€“M(<i>sc</i>) complexes (M = Cu, Co and Ni): the prominent role of â€hole and anionâ€“ interactions. CrystEngComm, 2015, 17, 5987-5997.	1.3	18
36	The first X-ray structure of a silverâ€“nucleotide complex: interaction of ion Ag(<i>sc</i>) with cytidine-5â€monophosphate. CrystEngComm, 2017, 19, 5830-5834.	1.3	18

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37	Different ways of interaction between binary copper(II)-Schiff bases (Cu ^{II} -N-salicylideneserinato) and pyrimidine derivatives. <i>Polyhedron</i> , 2006, 25, 2295-2302.	1.0	16
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.	2.2	16
39	Some new derivatives of Ni(II) with uracil, uridine and nucleotides. <i>Inorganica Chimica Acta</i> , 1986, 125, 159-166.	1.2	15
40	Some new chromium(III) complexes of nicotinic acid; a D NMR and EPR study. <i>Inorganica Chimica Acta</i> , 1992, 192, 139-142.	1.2	15
41	Complexes of Nickel(II) with creatinine: X-ray crystal structures and spectroscopic studies. <i>Journal of Inorganic Biochemistry</i> , 1995, 60, 109-122.	1.5	15
42	Chromium(III) interactions with nucleotides. <i>Inorganica Chimica Acta</i> , 1984, 83, 69-73.	1.2	14
43	Synthesis and structure of peptide ^{II} -copper(II)-isocytosine ternary complexes. <i>Polyhedron</i> , 2002, 21, 1197-1201.	1.0	14
44	Synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N6,N6 ² -bisadenine. <i>Journal of Inorganic Biochemistry</i> , 2003, 93, 141-151.	1.5	14
45	Ternary chromium(III)-histidine-nucleotide complexes. <i>Inorganica Chimica Acta</i> , 1989, 158, 59-68.	1.2	13
46	N9,N9 ² -polymethylene-bisadenine complexes with d10 metal ions. <i>Polyhedron</i> , 2007, 26, 949-957.	1.0	13
47	Ruthenium(III) complexes with modified nucleobases: N6-Substituted adenines. <i>Polyhedron</i> , 2008, 27, 2851-2858.	1.0	13
48	Crystal structures of N6-modified-amino acid related nucleobase analogs (II): hybrid adenine- ¹² -alanine and adenine-GABA molecules. <i>New Journal of Chemistry</i> , 2019, 43, 9680-9688.	1.4	13
49	Chromium(III) interactions with nucleotides. II. <i>Inorganica Chimica Acta</i> , 1986, 124, 75-81.	1.2	12
50	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.	1.9	12
51	Cytokinin activity of disubstituted aminopurines in <i>Amaranthus</i> . <i>Journal of Plant Physiology</i> , 2009, 166, 1529-1536.	1.6	12
52	Synthesis, X-ray characterization and density functional theory studies of N ⁶ -benzyl-N ⁶ -methyladenine ^{II} complexes (M ^{II} = Zn, Cd): The prominent role of H ⁺ and anion interactions. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4906.		12
53	Complexes of Zinc(II) with <i>N</i> -imidazolyl- and <i>N</i> -pyrazolylpyrimidine Donor Ligands: Synthesis, Crystal Structures, and Theoretical Study. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 3995-4003.	1.0	11
54	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.	1.2	10

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55	Structures of tetrachlorometalates [Zn(II) and Hg(II)] of trimethylene-bisadeninium. <i>Polyhedron</i> , 1999, 18, 3077-3083.	1.0	10
56	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.	1.0	10
57	Chromium(III) interactions with nucleotides. III. <i>Inorganica Chimica Acta</i> , 1987, 138, 105-112.	1.2	9
58	Some new complexes of Co(III) with hypoxanthine, inosine and purine nucleotides. <i>Inorganica Chimica Acta</i> , 1987, 138, 199-204.	1.2	9
59	Ternary chromium(III)-nucleotide-amino acid complexes III. L-Glutamic acid derivatives. <i>Inorganica Chimica Acta</i> , 1989, 165, 131-137.	1.2	9
60	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 ETQq0 0 0 rgBT 10 Overlock 10 Tf 50 53	1.0	10
61	Crystal structures of <i>N</i> ⁶ -modified-aminoacid/peptide nucleobase analogs: hybrid adenine-glycine and adenine-glycylglycine molecules. <i>New Journal of Chemistry</i> , 2018, 42, 14742-14750.	1.4	9
62	Synthesis, X-ray characterization and computational studies of Cu(ii) complexes of N-pyrazolyl pyrimidine. <i>Dalton Transactions</i> , 2012, 41, 11161.	1.6	8
63	Synthesis, X-ray characterization and computational Studies of N-imidazolyl and N-pyrazolyl pyrimidine derivatives. <i>Tetrahedron</i> , 2012, 68, 2374-2382.	1.0	8
64	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.	1.2	7
65	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.	1.6	7
66	Iridium(III) coordination of N(6) modified adenine derivatives with aminoacid chains. <i>Journal of Inorganic Biochemistry</i> , 2020, 205, 111000.	1.5	7
67	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
68	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. <i>Dalton Transactions</i> , 2014, 43, 6353.	1.6	6
69	Crystal structures of <i>N</i> ⁶ -modified-amino acid nucleobase analogs(<i>N</i> ⁶ -valeric acid, <i>N</i> ⁶ -hexanoic acid and <i>N</i> ⁶ -gabapentine). <i>New Journal of Chemistry</i> , 2020, 44, 12236-12246.	1.4	5
70	Some new derivatives of Cr(III) with uracil, uridine and 5-UMP. <i>Polyhedron</i> , 1986, 5, 1125-1130.	1.0	3
71	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
72	New chloride-dimethylsulfoxide-iridium(III) complex with histaminium. <i>Polyhedron</i> , 2015, 102, 735-740.	1.0	2

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73	Cu(II) N6-Alkyladenine Complexes: Synthesis, X-ray Characterization and Magnetic Properties. <i>Magnetochemistry</i> , 2018, 4, 24.	1.0	2
74	Metal removal from the secondary building unit of bio-MOF-1 by adenine N6-alkylation while retaining the overall 3D porous topology. <i>CrystEngComm</i> , 2020, 22, 4201-4205.	1.3	2
75	Modified-amino acid/peptide pyrimidine analogs: synthesis, structural characterization and DFT studies of N-(pyrimidyl)gabapentine and N-(pyrimidyl)baclofen. <i>New Journal of Chemistry</i> , 0, , .	1.4	1