Juan JesÃºs Fiol

List of Publications by Year
in descending order

75	1,613	279798	361022
papers	citations	23 h-index	35 g-index

77	77	77	1329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Anionâ^Ï€ Interactions in Bisadenine Derivatives:â€‰ A Combined Crystallographic and Theoretical Study. Inorganic Chemistry, 2007, 46, 10724-10735.	4.0	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. Coordination Chemistry Reviews, 2007, 251, 1973-1986.	18.8	83
3	Synthesis, structure and nuclease properties of several ternary copper(II) peptide complexes with 1,10-phenanthroline. Journal of Inorganic Biochemistry, 2003, 95, 77-86.	3.5	80
4	Coordination behaviour of sulfanilamide derivatives.. Polyhedron, 2000, 19, 991-1004.	2.2	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. Inorganic Chemistry, 1990, 29, 5168-5173.	4.0	52
6	Crystal structures of the N-salicylideneâ€“L-serinatoaquacopper(II) monohydrate and its ternary derivative with 2-aminopyridine. Polyhedron, 1999, 18, 871-878.	2.2	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 anionâ€“Ï€ interactions. Coordination Chemistry Reviews, 2013, 257, 2705-2715.	18.8	42
8	Xâ€ray Crystal Structure of a Metalled Doubleâ€Helix Generated by Infinite and Consecutive C*â€Ag^Iâ€C* (C*:N¹â€Hexylcytosine) Base Pairs through Argentophilic and Hydrogen Bond Interactions. Chemistry - A European Journal, 2017, 23, 2103-2108.	3.3	41
9	Reactivity of copper(II) peptide complexes with bioligands (benzimidazole and creatinine). Polyhedron, 2003, 22, 3255-3264.	2.2	40
10	2-Aminopyrimidine Derivatives Exhibiting Anion-Ï€ Interactions: A Combined Crystallographic and Theoretical Study. Crystal Growth and Design, 2009, 9, 2363-2376.	3.0	39
11	X-ray diffraction structures of two N-salicylidene tryptophananato diaquocopper(II) complexes: erythro and threo isomers. Polyhedron, 1996, 15, 4407-4413.	2.2	37
12	Crystal structures of two copper(II) ternary complexes of N-salicylidene-tryptophanato with 2-aminopyridine and 2-aminopyrimidine. Polyhedron, 2001, 20, 2877-2884.	2.2	35
13	Synthesis of Zn N-salicylidene-l-aminoacidatos: X-ray structure of [(N-salicylidene-l-alaninato)(aqua)zinc(II)]Â·0.25H2O and [(N-salicylidene-l-valinato)(aqua)zinc(II)]. Polyhedron, 2000, 19, 673-680.	2.2	34
14	Synthesis and structural characteristics of metalâ€“acyclovir (ACV) complexes: [Ni(or) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (Co) acyclovir by Niâ€“ACV. Journal of the Chemical Society Dalton Transactions, 1999, , 167-174.	1.1	32
15	Ruthenium complexes with purine derivatives: Syntheses, structural characterization and preliminary studies with plasmidic DNA. Inorganic Chemistry Communication, 2005, 8, 800-804.	3.9	30
16	A Combined Experimental and Theoretical Study of Anionâ€“Ï€ Interactions in Bis(pyrÂimidine) Salts. European Journal of Organic Chemistry, 2007, 2007, 5821-5825.	2.4	29
17	Ternary complexes metal [Co(II), Ni(II), Cu(II) and Zn(II)] â€“ ortho-iodohippurate (I-hip) â€“ acyclovir. X-ray characterization of isostructural [(Co, Ni or Zn)(I-hip)2(ACV)(H2O)3] with stacking as a recognition factor. Journal of Inorganic Biochemistry, 2004, 98, 1703-1711.	3.5	28
18	Synthesis, X-ray characterization and regium bonding interactions of a trichlorido(1-hexylcytosine)gold(<scp>iii</scp>) complex. Chemical Communications, 2020, 56, 3524-3527.	4.1	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.	2.2	27
20	Ruthenium(III) and iridium(III) complexes with nicotine. Polyhedron, 2010, 29, 34-41.	2.2	27
21	Some new derivatives of Co(III) with uracil, uridine and pyrimidine nucleotides. Inorganica Chimica Acta, 1987, 135, 197-202.	2.4	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.	2.2	24
23	Reaction of trimethyleneâ€“bisadenine with d10 divalent cations. Polyhedron, 1999, 18, 765-772.	2.2	24
24	Ternary chromium(III)-nucleotide-amino acid complexes: L-methionine, L-serine and glycine derivatives. Inorganica Chimica Acta, 1990, 169, 133-139.	2.4	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.	2.2	22
26	X-ray diffraction structure of a ternary copper(II) peptide complex (benzimidazole) (glycylglycinato) copper(II) trihydrate. Polyhedron, 1996, 15, 1829-1834.	2.2	22
27	Molecular architecture by means of interactions between Ag(I) and glycine derivatives. Polyhedron, 2006, 25, 71-80.	2.2	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]Â·2(H2O), [Cu(5-chlorouracilato-N1)2(NH3)2](H2O)2, [Ni(5-chlorouracilato-N1)2(en)2]Â·2H2O and [Zn(5-chlorouracilato-N1)(NH3)3]Â·(5-chlorouracilato-N1)Â·(H2O). Journal of Inorganic Biochemistry, 2004, 98, 632-638.	3.5	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.	2.2	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€“Ï€ Interactions inN⁶â€• andN⁹â€Decyladenine Salts. European Journal of Organic Chemistry, 2010, 2010, 5171-5180.	2.4	19
32	Crystal structures and spectroscopic studies of ternary compounds of Ni(II) with ethylenediamine and 5â€²GMP and 5â€²IMP. Journal of Inorganic Biochemistry, 1989, 35, 191-214.	3.5	18
33	Ternary chromium(III)-nucleotide-cysteine complexes. Inorganica Chimica Acta, 1989, 157, 127-132.	2.4	18
34	Synthesis, X-ray characterization and DFT studies of bis-N-imidazolylpyrimidine salts: the prominent role of hydrogen bonding and anionâ€“Ï€ interactions. CrystEngComm, 2014, 16, 9043-9053.	2.6	18
35	Synthesis, X-ray characterization and DFT studies of N-benzimidazolyl-pyrimidineâ€“M(<scp>ii</scp>) complexes (M = Cu, Co and Ni): the prominent role of Ï€-hole and anionâ€“Ï€ interactions. CrystEngComm, 2015, 17, 5987-5997.	2.6	18
36	The first X-ray structure of a silverâ€“nucleotide complex: interaction of ion Ag(<scp>i</scp>) with cytidine-5â€²-monophosphate. CrystEngComm, 2017, 19, 5830-5834.	2.6	18

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37	Different ways of interaction between binary copper(II)-Schiff bases (Cuâ€“N-salicylideneserinato) and pyrimidine derivatives. Polyhedron, 2006, 25, 2295-2302.	2.2	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. Chemical Communications, 2013, 49, 4944.	4.1	16
39	Some new derivatives of Ni(II) with uracil, uridine and nucleotides. Inorganica Chimica Acta, 1986, 125, 159-166.	2.4	15
40	Some new chromium(III) complexes of nicotinic acid; a D NMR and EPR study. Inorganica Chimica Acta, 1992, 192, 139-142.	2.4	15
41	Complexes of Nickel(II) with creatinine: X-ray crystal structures and spectroscopic studies. Journal of Inorganic Biochemistry, 1995, 60, 109-122.	3.5	15
42	Chromium(III) interactions with nucleotides. Inorganica Chimica Acta, 1984, 83, 69-73.	2.4	14
43	Synthesis and structure of peptideâ€“copper(II)â€“isocytosine ternary complexes. Polyhedron, 2002, 21, 1197-1201.	2.2	14
44	Synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N6,N6â€²-bisadenine. Journal of Inorganic Biochemistry, 2003, 93, 141-151.	3.5	14
45	Ternary chromium(III)-histidine-nucleotide complexes. Inorganica Chimica Acta, 1989, 158, 59-68.	2.4	13
46	N9,N9â€²-polymethylene-bisadenine complexes with d10 metal ions. Polyhedron, 2007, 26, 949-957.	2.2	13
47	Ruthenium(III) complexes with modified nucleobases: N6-Substituted adenines. Polyhedron, 2008, 27, 2851-2858.	2.2	13
48	Crystal structures of N6-modified-amino acid related nucleobase analogs (II): hybrid adenine-Î²-alanine and adenine-GABA molecules. New Journal of Chemistry, 2019, 43, 9680-9688.	2.8	13
49	Chromium(III) interactions with nucleotides. II. Inorganica Chimica Acta, 1986, 124, 75-81.	2.4	12
50	Complexation of Nickel(II) with Guanosine 5â€˜-Monophosphate and Inosine 5â€˜-Monophosphate:Â A Potentiometric and Calorimetric Study. Inorganic Chemistry, 1996, 35, 3786-3791.	4.0	12
51	Cytokinin activity of disubstituted aminopurines in Amaranthus. Journal of Plant Physiology, 2009, 166, 1529-1536.	3.5	12
52	Synthesis, Xâ€ray characterization and density functional theory studies of N⁶â€benzylâ€N⁶â€methyladenineâ€“M(II) complexes (MÂ=ÂZn, Cd): The prominent role of Ïâ€“Ï€, Câ€“HÂ·Â·Â·Ï€ and anionâ€“Ï€ interactions. Applied Organometallic Chemistry, 2019, 33, e4906.	3.9	12
53	Complexes of Zinc(II) with Nâ€Imidazolylâ€and Nâ€Pyrazolylpyrimidine Donor Ligands: Synthesis, Crystal Structures, and Theoretical Study. European Journal of Inorganic Chemistry, 2012, 2012, 3995-4003.	2.0	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). Inorganica Chimica Acta, 1997, 262, 85-89.	2.4	10

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55	Structures of tetrachlorometalates [Zn(II) and Hg(II)] of trimethylene-bisadeninium. Polyhedron, 1999, 18, 3077-3083.	2.2	10
56	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
57	Chromium(III) interactions with nucleotides. III. Inorganica Chimica Acta, 1987, 138, 105-112.	2.4	9
58	Some new complexes of Co(III) with hypoxanthine, inosine and purine nucleotides. Inorganica Chimica Acta, 1987, 138, 199-204.	2.4	9
59	Ternary chromium(III)-nucleotide-amino acid complexes III. L-Glutamic acid derivatives. Inorganica Chimica Acta, 1989, 165, 131-137.	2.4	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 /Overlock 10 Tf 50 53	2.2	9
61	Crystal structures of N⁶-modified-aminoacid/peptide nucleobase analogs: hybrid adenineâ€“glycine and adenineâ€“glycylglycine molecules. New Journal of Chemistry, 2018, 42, 14742-14750.	2.8	9
62	Synthesis, X-ray characterization and computational studies of Cu(ii) complexes of N-pyrazolyl pyrimidine. Dalton Transactions, 2012, 41, 11161.	3.3	8
63	Synthesis, X-ray characterization and computational Studies of N-imidazolyl and N-pyrazolyl pyrimidine derivatives. Tetrahedron, 2012, 68, 2374-2382.	1.9	8
64	Automatic batch calorimetry: Application to the determination of the thermodynamic parameters of Co(II)-5' adenosine monophosphate complex formation. Thermochimica Acta, 1989, 141, 141-149.	2.7	7
65	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
66	Iridium(III) coordination of N(6) modified adenine derivatives with aminoacid chains. Journal of Inorganic Biochemistry, 2020, 205, 111000.	3.5	7
67	Metallation of Isatin (2,3-Indolinedione). X-Ray Structure and Solution Behavior of Bis(Isatinato)Mercury(II). Metal-Based Drugs, 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. Dalton Transactions, 2014, 43, 6353.	3.3	6
69	Crystal structures of N⁶-modified-amino acid nucleobase analogs(<scp>iii</scp>): adenineâ€“valeric acid, adenineâ€“hexanoic acid and adenineâ€“gabapentine. New Journal of Chemistry, 2020, 44, 12236-12246.	2.8	5
70	Some new derivatives of Cr(III) with uracil, uridine and 5â€²-UMP. Polyhedron, 1986, 5, 1125-1130.	2.2	3
71	Synthesis and Characterization of Adenine Histidine Ternary Complexes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1993, 23, 937-947.	1.8	2
72	New chloride-dimethylsulfoxide-iridium(III) complex with histaminium. Polyhedron, 2015, 102, 735-740.	2.2	2

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73	Cu(II)â€“N6-Alkyladenine Complexes: Synthesis, X-ray Characterization and Magnetic Properties. Magnetochemistry, 2018, 4, 24.	2.4	2
74	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
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