

Juan Jess Fiol

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

74
papers

1,438
citations

21
h-index

32
g-index

77
ext. papers

1,509
ext. citations

3.7
avg, IF

3.71
L-index

#	Paper	IF	Citations
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	3.3	1
73	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
72	Iridium(III) coordination of N(6) modified adenine derivatives with amino acid chains. <i>Journal of Inorganic Biochemistry</i> , 2020 , 205, 111000	4.2	4
71	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
70	Crystal structures of N6-modified-amino acid related nucleobase analogs (II): hybrid adenine-alanine and adenine-GABA molecules. <i>New Journal of Chemistry</i> , 2019 , 43, 9680-9688	3.6	11
69	Synthesis, X-ray characterization and density functional theory studies of N6-benzyl-N6-methyladenine-M(II) complexes (M = Zn, Cd): The prominent role of π -anion interactions. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4906	3.1	9
68	Crystal structures of N6-modified-amino acid/peptide nucleobase analogs: hybrid adenine-glycine and adenine-glycylglycine molecules. <i>New Journal of Chemistry</i> , 2018 , 42, 14742-14750	3.6	7
67	Cu(II)-N6-Alkyladenine Complexes: Synthesis, X-ray Characterization and Magnetic Properties. <i>Magnetochemistry</i> , 2018 , 4, 24	3.1	2
66	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
65	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
64	Synthesis, X-ray characterization and DFT studies of N-benzimidazolyl-pyrimidine-M(II) complexes (M = Cu, Co and Ni): the prominent role of π -hole and anion interactions. <i>CrystEngComm</i> , 2015 , 17, 5987-5997	3.3	17
63	New chloride-dimethylsulfoxide-iridium(III) complex with histaminium. <i>Polyhedron</i> , 2015 , 102, 735-740	2.7	1
62	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
61	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
60	Structural characterization, recognition patterns and theoretical calculations of long-chain N-alkyl substituted purine and pyrimidine bases as ligands: On the importance of anion interactions. <i>Coordination Chemistry Reviews</i> , 2013 , 257, 2705-2715	23.2	41
59	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
58	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

57	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
56	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
55	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
54	A Combined Experimental and Theoretical Study of Anion-π Interactions in N6- and N9-Decyladenine Salts. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 5171-5180	3.2	19
53	Ruthenium(III) and iridium(III) complexes with nicotine. <i>Polyhedron</i> , 2010 , 29, 34-41	2.7	22
52	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
51	Cytokinin activity of disubstituted aminopurines in Amaranthus. <i>Journal of Plant Physiology</i> , 2009 , 166, 1529-36	3.6	12
50	Ruthenium(III) complexes with modified nucleobases: N6-Substituted adenines. <i>Polyhedron</i> , 2008 , 27, 2851-2858	2.7	13
49	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	3.2	29
48	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
47	N9,N9'-polymethylene-bisadenine complexes with d10 metal ions. <i>Polyhedron</i> , 2007 , 26, 949-957	2.7	12
46	Anion-π interactions in bisadenine derivatives: a combined crystallographic and theoretical study. <i>Inorganic Chemistry</i> , 2007 , 46, 10724-35	5.1	94
45	Molecular architecture by means of interactions between Ag(I) and glycine derivatives. <i>Polyhedron</i> , 2006 , 25, 71-80	2.7	19
44	Different ways of interaction between binary copper(II)-Schiff bases (Cu-π-salicylideneserinato) and pyrimidine derivatives. <i>Polyhedron</i> , 2006 , 25, 2295-2302	2.7	15
43	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
42	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
41	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	4.2	19
40	[Zn(5-chlorouracilato-N(1))(NH(3))(2)](5-chlorouracilato-N(1))(H(2)O). 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

39	Reactivity of copper(II) peptide complexes with bioligands (benzimidazole and creatinine). <i>Polyhedron</i> , 2003 , 22, 3255-3264	2.7	38
38	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
37	Crystal structure of the copper(II) ternary complex of N-salicylidene-l-serinato with 2,6-diaminopyridine.: Toxicity studies against <i>Drosophila melanogaster</i> . <i>Polyhedron</i> , 2003 , 22, 403-409	2.7	26
36	Synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N6,N6Rbisadenine. <i>Journal of Inorganic Biochemistry</i> , 2003 , 93, 141-51	4.2	14
35	Synthesis and structure of peptide-copper(II)-cytosine ternary complexes. <i>Polyhedron</i> , 2002 , 21, 1197-1201	2.7	13
34	Bioinorganic chemistry of copper(II) complexes of N-salicylidene-aminoacidoato: 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
33	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
32	Synthesis of Zn N-salicylidene-l-aminoacidoato: X-ray structure of [(N-salicylidene-l-alaninato)(aqua)zinc(II)]·2.5H ₂ O and [(N-salicylidene-l-valinato)(aqua)zinc(II)]. <i>Polyhedron</i> , 2000 , 19, 673-680	2.7	29
31	Coordination behaviour of sulfanilamide derivatives.. <i>Polyhedron</i> , 2000 , 19, 991-1004	2.7	65
30	Crystal structures of the N-salicylidene-l-serinatoaquacopper(II) monohydrate and its ternary derivative with 2-aminopyridine. <i>Polyhedron</i> , 1999 , 18, 871-878	2.7	43
29	Reaction of trimethylene-bisadenine with d10 divalent cations. <i>Polyhedron</i> , 1999 , 18, 765-772	2.7	23
28	Structures of tetrachlorometalates [Zn(II) and Hg(II)] of trimethylene-bisadeninium. <i>Polyhedron</i> , 1999 , 18, 3077-3083	2.7	9
27	Synthesis and structural characteristics of metal-cyclovir (ACV) complexes: [Ni(or Co)(ACV) ₂ (H ₂ O) ₄ Cl ₂ ·xACV], [Zn(ACV)Cl ₂ (H ₂ O)], [Cd(ACV)Cl ₂ ·H ₂ O] and [Hg(ACV)Cl ₂ ·x]. Recognition of acyclovir by Ni-ACV. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999 , 167-174		29
26	Synthesis and structure of isocytosine ternary copper(II) complexes. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998 , 1031-1036		19
25	Synthesis and characterization of a new Ni(II) pyrimidine complex. Crystal and molecular structure of trans-bis(isocytosine-O ₄) bis(ethylenediamine) Ni(II) bis(tetraphenylborate). <i>Inorganica Chimica Acta</i> , 1997 , 262, 85-89	2.7	9
24	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
23	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
22	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

21	X-ray diffraction structures of two N-salicylidene tryptophananato diaquocopper(II) complexes: erythro and threo isomers. <i>Polyhedron</i> , 1996 , 15, 4407-4413	2.7	31
20	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
19	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
18	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
17	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
16	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
15	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
14	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
13	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
12	Crystal structures and spectroscopic studies of ternary compounds of Ni(II) with ethylenediamine and 5RMP and 5RMP. <i>Journal of Inorganic Biochemistry</i> , 1989 , 35, 191-214	4.2	13
11	Ternary chromium(III)-nucleotide-cysteine complexes. <i>Inorganica Chimica Acta</i> , 1989 , 157, 127-132	2.7	13
10	Ternary chromium(III)-histidine-nucleotide complexes. <i>Inorganica Chimica Acta</i> , 1989 , 158, 59-68	2.7	11
9	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
8	Ternary chromium(III)-nucleotide-amino acid complexes III. L-Glutamic acid derivatives. <i>Inorganica Chimica Acta</i> , 1989 , 165, 131-137	2.7	9
7	Chromium(III) interactions with nucleotides. III. <i>Inorganica Chimica Acta</i> , 1987 , 138, 105-112	2.7	7
6	Some new complexes of Co(III) with hypoxanthine, inosine and purine nucleotides. <i>Inorganica Chimica Acta</i> , 1987 , 138, 199-204	2.7	8
5	Some new derivatives of Co(III) with uracil, uridine and pyrimidine nucleotides. <i>Inorganica Chimica Acta</i> , 1987 , 135, 197-202	2.7	22
4	Some new derivatives of Ni(II) with uracil, uridine and nucleotides. <i>Inorganica Chimica Acta</i> , 1986 , 125, 159-166	2.7	11

3	Chromium(III) interactions with nucleotides. II. <i>Inorganica Chimica Acta</i> , 1986 , 124, 75-81	2.7	11
2	Some new derivatives of Cr(III) with uracil, uridine and 5?-UMP. <i>Polyhedron</i> , 1986 , 5, 1125-1130	2.7	3
1	Chromium(III) interactions with nucleotides. <i>Inorganica Chimica Acta</i> , 1984 , 83, 69-73	2.7	12