

Pedro P Corbi

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97 papers	1,228 citations	20 h-index	27 g-index
101 ext. papers	1,388 ext. citations	3 avg, IF	4.37 L-index

#	Paper	IF	Citations
97	Pt(II) and Ag(I) complexes with acesulfame: crystal structure and a study of their antitumoral, antimicrobial and antiviral activities. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 533-40	4.2	64
96	Silver complexes with sulfathiazole and sulfamethoxazole: Synthesis, spectroscopic characterization, crystal structure and antibacterial assays. <i>Polyhedron</i> , 2015 , 85, 437-444	2.7	44
95	Gold(I)-phosphine-N-heterocycles: biological activity and specific (ligand) interactions on the C-terminal HIVNCp7 zinc finger. <i>Inorganic Chemistry</i> , 2013 , 52, 11280-7	5.1	43
94	Crystal structure and theoretical studies of the keto-enol isomerism of N,N'-bis(salicylidene)-o-phenylenediamine (salophen). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 99, 110-5	4.4	37
93	Synthesis, spectroscopic characterization, DFT studies and antibacterial assays of a novel silver(I) complex with the anti-inflammatory nimesulide. <i>Polyhedron</i> , 2012 , 36, 112-119	2.7	36
92	Characterization of bilayer bacterial cellulose membranes with different fiber densities: a promising system for controlled release of the antibiotic ceftriaxone. <i>Cellulose</i> , 2016 , 23, 737-748	5.5	31
91	What is holding back the development of antiviral metallodrugs? A literature overview and implications for SARS-CoV-2 therapeutics and future viral outbreaks. <i>Dalton Transactions</i> , 2020 , 49, 16004-16033	4.3	31
90	A silver complex with tryptophan: Synthesis, structural characterization, DFT studies and antibacterial and antitumor assays in vitro. <i>Journal of Molecular Structure</i> , 2013 , 1031, 125-131	3.4	29
89	A silver complex with ibuprofen: Synthesis, solid state characterization, DFT calculations and antibacterial assays. <i>Journal of Molecular Structure</i> , 2013 , 1049, 1-6	3.4	29
88	Silver(I) and gold(I) complexes with penicillamine: Synthesis, spectroscopic characterization and biological studies. <i>Polyhedron</i> , 2012 , 34, 210-214	2.7	27
87	Synthesis, crystallographic studies, high resolution mass spectrometric analyses and antibacterial assays of silver(I) complexes with sulfisoxazole and sulfadimethoxine. <i>Polyhedron</i> , 2017 , 121, 172-179	2.7	27
86	Synthesis, characterization, and biological activity of a new palladium(II) complex with deoxyallin. <i>Canadian Journal of Chemistry</i> , 2005 , 83, 104-109	0.9	26
85	Physicochemical properties of sildenafil citrate (Viagra) and sildenafil base. <i>Journal of Pharmaceutical Sciences</i> , 2003 , 92, 2140-3	3.9	26
84	Synthesis, characterization and in vitro biological assays of a silver(I) complex with 5-fluorouracil: A strategy to overcome multidrug resistant tumor cells. <i>Journal of Fluorine Chemistry</i> , 2017 , 195, 93-101	2.1	24
83	Gold-Catalyzed C-S Aryl-Group Transfer in Zinc Finger Proteins. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9305-9309	16.4	24
82	Synthesis, spectroscopic characterization, DFT studies, and initial antibacterial assays in vitro of a new palladium(II) complex with tryptophan. <i>Journal of Coordination Chemistry</i> , 2012 , 65, 1700-1711	1.6	23
81	Chemical, spectroscopic characterization, DFT studies and initial pharmacological assays of a silver(I) complex with N-acetyl-L-cysteine. <i>Polyhedron</i> , 2011 , 30, 579-583	2.7	23

80	Enhanced performance of a metal-organic framework analogue to MIL-101(Cr) containing amine groups for ibuprofen and nimesulide controlled release. <i>Inorganic Chemistry Communication</i> , 2016 , 70, 47-50	3.1	22
79	Chemical, spectroscopic characterization, and in vitro antibacterial studies of a new gold(I) complex with N-acetyl-L-cysteine. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 1390-1397	1.6	22
78	Synthesis, spectroscopic characterization, crystallographic studies and antibacterial assays of new copper(II) complexes with sulfathiazole and nimesulide. <i>Journal of Molecular Structure</i> , 2016 , 1112, 14-20	3.4	21
77	Silver(I) complexes with symmetrical Schiff bases: Synthesis, structural characterization, DFT studies and antimycobacterial assays. <i>Polyhedron</i> , 2013 , 62, 104-109	2.7	20
76	Spectroscopic characterization and molecular modeling of novel palladium(II) complexes with carbazates and hydrazides. <i>Journal of Molecular Structure</i> , 2015 , 1097, 15-22	3.4	20
75	Synthesis, spectroscopic characterization and biological analysis of a new palladium(II) complex with methionine sulfoxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 66, 1171-4	4.4	20
74	Sulfonamide-containing copper(II) metallonucleases: Correlations with in vitro antimycobacterial and antiproliferative activities. <i>Journal of Inorganic Biochemistry</i> , 2018 , 187, 85-96	4.2	19
73	¹ H- ¹⁵ N NMR studies of the complex bis(S-allyl-L-cysteinate)palladium(II). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 64, 418-9	4.4	19
72	Studies of the tautomeric equilibrium of 1,3-thiazolidine-2-thione: Theoretical and experimental approaches. <i>Chemical Physics</i> , 2012 , 408, 62-68	2.3	17
71	Chemical, spectroscopic characterization and antibacterial activities in vitro of a novel gold(I)ibuprofen complex. <i>Inorganic Chemistry Communication</i> , 2011 , 14, 738-740	3.1	17
70	X-ray Absorption Spectroscopy Combined with Time-Dependent Density Functional Theory Elucidates Differential Substitution Pathways of Au(I) and Au(III) with Zinc Fingers. <i>Inorganic Chemistry</i> , 2018 , 57, 218-230	5.1	17
69	Synthesis, spectroscopic characterization, DFT studies and biological assays of a novel gold(I) complex with 2-mercaptothiazoline. <i>Polyhedron</i> , 2011 , 30, 2354-2359	2.7	16
68	Four new metal complexes with the amino acid deoxyalliin. <i>Journal of the Brazilian Chemical Society</i> , 2005 , 16, 718-722	1.5	16
67	Chemical and spectroscopic characterizations, ESI-QTOF mass spectrometric measurements and DFT studies of new complexes of palladium(II) with tryptamine and mefenamic acid. <i>Journal of Molecular Structure</i> , 2015 , 1100, 6-13	3.4	15
66	Probing the HIV-1 NCp7 Nucleocapsid Protein with Site-Specific Gold(I)-Phosphine Complexes. <i>Inorganic Chemistry</i> , 2017 , 56, 12308-12318	5.1	15
65	Palladium(II) complex with S-allyl-L-cysteine: new solid-state NMR spectroscopic measurements, molecular modeling and antibacterial assays. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 78, 313-8	4.4	15
64	Synthesis, characterization and preliminary antimicrobial assays of copper(II) complexes with 2-(imidazole-2-yl)heteroaryl ligands. <i>Inorganica Chimica Acta</i> , 2017 , 458, 224-232	2.7	13
63	Crystal structure, spectroscopic characterization and antibacterial activities of a silver complex with sulfameter. <i>Journal of Molecular Structure</i> , 2016 , 1125, 609-615	3.4	13

62	Characterization and biological studies of a new platinum(II) complex with the amino acid L-alliin. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 2470-2477	1.6	13
61	Polynuclear copper(II) complexes with nalidixic acid hydrazones: Antiproliferative activity and selectivity assessment over a panel of tumor cells. <i>Inorganica Chimica Acta</i> , 2019 , 484, 491-502	2.7	13
60	A new palladium(II) complex with ibuprofen: Spectroscopic characterization, DFT studies, antibacterial activities and interaction with biomolecules. <i>Journal of Molecular Structure</i> , 2019 , 1186, 144-154	3.4	12
59	Pt(II) and Pd(II) complexes with ibuprofen hydrazide: Characterization, theoretical calculations, antibacterial and antitumor assays and studies of interaction with CT-DNA. <i>Journal of Molecular Structure</i> , 2018 , 1154, 469-479	3.4	12
58	Copper(II), palladium(II) and platinum(II) complexes with 2,2-thiophen-yl-imidazole: Synthesis, spectroscopic characterization, X-ray crystallographic studies and interactions with calf-thymus DNA. <i>Inorganica Chimica Acta</i> , 2016 , 443, 304-315	2.7	12
57	Copper(II) and silver(I) complexes with sulfamethizole: synthesis, spectroscopic characterization, ESI-QTOF mass spectrometric analysis, crystal structure and antibacterial activities. <i>Polyhedron</i> , 2017 , 138, 168-176	2.7	11
56	Silver sulfadoxinate: Synthesis, structural and spectroscopic characterizations, and preliminary antibacterial assays in vitro. <i>Journal of Molecular Structure</i> , 2015 , 1082, 180-187	3.4	11
55	Effects of coordination mode of 2-mercaptothiazoline on reactivity of Au(I) compounds with thiols and sulfur-containing proteins. <i>Journal of Inorganic Biochemistry</i> , 2016 , 165, 136-145	4.2	11
54	Synthesis, spectroscopic characterization, DFT studies, and antibacterial and antitumor activities of a novel water soluble Pd(II) complex with L-alliin. <i>Journal of Molecular Structure</i> , 2013 , 1035, 421-426	3.4	11
53	A binuclear silver complex with L-buthionine sulfoximine: synthesis, spectroscopic characterization, DFT studies and antibacterial assays. <i>RSC Advances</i> , 2012 , 2, 10372	3.7	11
52	Synthesis, spectroscopic studies, and preliminary antibacterial assays of a palladium(II) complex with 2-mercaptothiazoline. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 3092-3101	1.6	11
51	Synthesis and characterization of a platinum(II) complex with N-acetyl-L-cysteine. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 2764-2771	1.6	11
50	Crystal structure and infrared analysis of a new trinuclear platinum(II) complex with L-cysteine. <i>Journal of Chemical Crystallography</i> , 2007 , 37, 91-95	0.5	11
49	Synthesis and spectroscopic characterization of new metal(II) complexes with methionine sulfoxide. <i>Journal of Coordination Chemistry</i> , 2004 , 57, 1225-1231	1.6	11
48	A solid nickel(II) complex with methionine sulfoxide. <i>Journal of Alloys and Compounds</i> , 2000 , 308, 153-157	3.7	11
47	Synthesis, crystallographic studies, molecular modeling and in vitro biological studies of silver(I) complexes with aminoadamantane ligands. <i>Polyhedron</i> , 2019 , 173, 114116	2.7	10
46	A new platinum complex with tryptophan: synthesis, structural characterization, DFT studies and biological assays in vitro over human tumorigenic cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 122, 209-15	4.4	10
45	Silver(I) and zinc(II) complexes with symmetrical cinnamaldehyde Schiff base derivative: Spectroscopic, powder diffraction characterization, and antimycobacterial studies. <i>Polyhedron</i> , 2018 , 146, 166-171	2.7	9

44	Chemical, spectroscopic characterization, DFT studies and antibacterial activities in vitro of a new gold(I) complex with rimantadine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 89, 114-8	4.4	9
43	Spectroscopic characterization and biological studies in vitro of a new silver complex with furosemide: Prospective of application as an antimicrobial agent. <i>Journal of Molecular Structure</i> , 2017 , 1134, 386-394	3.4	8
42	Silver(I) and gold(I) complexes with sulfasalazine: Spectroscopic characterization, theoretical studies and antiproliferative activities over Gram-positive and Gram-negative bacterial strains. <i>Journal of Molecular Structure</i> , 2020 , 1214, 128158	3.4	8
41	Synthesis, characterization and initial biological studies of a new platinum(II) complex with deoxyallin. <i>Journal of Coordination Chemistry</i> , 2006 , 59, 1101-1106	1.6	8
40	Sulfonamide-containing copper(II) complexes: new insights on biophysical interactions and antibacterial activities. <i>New Journal of Chemistry</i> , 2020 , 44, 17236-17244	3.6	8
39	Influence of chemical and physical conditions in selection of <i>Gluconacetobacter hansenii</i> ATCC 23769 strains with high capacity to produce bacterial cellulose for application as sustained antimicrobial drug-release supports. <i>Journal of Applied Microbiology</i> , 2018 , 125, 777-791	4.7	8
38	Synthesis and characterization of a new platinum(II) complex with L-mimosine. <i>Journal of Coordination Chemistry</i> , 2005 , 58, 1477-1483	1.6	7
37	Three new mononuclear group 12 complexes with benzimidazole. <i>Journal of Coordination Chemistry</i> , 2014 , 67, 1380-1391	1.6	6
36	Synthesis, spectroscopic characterization, and antibacterial assays in vitro of a new platinum(II) complex with methionine sulfoxide. <i>Journal of Coordination Chemistry</i> , 2011 , 64, 272-280	1.6	6
35	Competition between humic substances and alpha-amino acids by metal species. <i>Journal of the Brazilian Chemical Society</i> , 2004 , 15, 437-440	1.5	6
34	A Silver Complex with Cycloserine: Synthesis, Spectroscopic Characterization, Crystal Structure and In Vitro Biological Studies. <i>ChemistrySelect</i> , 2018 , 3, 1719-1726	1.8	5
33	Synthesis and crystal structure of di-chlorido-(1,10-phenanthroline- π)-gold(III) hexa-fluorido-phosphate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 1048-1051	0.7	5
32	Chemical and spectroscopic studies of a new palladium(II) complex with N -acetyl-L-cysteine. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 3666-3673	1.6	5
31	Lithium thiazolidine-4-carboxylate: synthesis, spectroscopic characterization and preliminary in vitro cytotoxic studies in human HeLa cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 929-31	4.4	5
30	Synthesis, crystal structures, DFT studies, antibacterial assays and interaction assessments with biomolecules of new platinum(II) complexes with adamantane derivatives. <i>New Journal of Chemistry</i> , 2020 , 44, 11546-11556	3.6	5
29	Gold-Catalyzed C β Aryl-Group Transfer in Zinc Finger Proteins. <i>Angewandte Chemie</i> , 2018 , 130, 9449-9453	3.6	5
28	Copper transporter 1 affinity as a delivery strategy to improve the cytotoxic profile of rationally designed copper(II) complexes for cancer treatment. <i>Toxicology in Vitro</i> , 2020 , 67, 104922	3.6	4
27	Investigating the inclusion of the Ag(I)-nimesulide complex into β -cyclodextrin: studies in solution and in the solid state. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014 , 79, 225-235	1.7	4

26	Synthesis and crystal structure of a palladium(II) complex with the amino acid L-citrulline. <i>Powder Diffraction</i> , 2015 , 30, 357-361	1.8	4
25	Characterization, and crystal structure of thiophenyl-2-methylidene-2-aminophenol. <i>Journal of Structural Chemistry</i> , 2013 , 54, 269-273	0.9	4
24	Silver complexes with fluoroanthranilic acid isomers: Spectroscopic characterization, antimycobacterial activity and cytotoxic studies over a panel of tumor cells. <i>Inorganica Chimica Acta</i> , 2020 , 502, 119293	2.7	4
23	Synthesis, spectroscopic characterizations, crystal structures and DFT studies of nalidixic acid carbonyl hydrazones derivatives. <i>Journal of Molecular Structure</i> , 2016 , 1120, 115-124	3.4	4
22	Synthesis, characterization, crystal structure and in vitro antiproliferative assays of the 2-thiouracilato(triphenylphosphine)gold(I) complex. <i>Journal of Molecular Structure</i> , 2019 , 1178, 169-178	3.4	4
21	New findings on the antiproliferative activity of the silver(I) complex with 5-fluorouracil against human multi-resistant NCI/ADR-RES ovarian tumor cells. <i>Toxicology in Vitro</i> , 2019 , 60, 359-368	3.6	3
20	The nitro-reduced metabolite of nimesulide: Crystal structure, spectroscopic characterization, ESI-QTOF mass spectrometric analysis and antibacterial evaluation. <i>Journal of Molecular Structure</i> , 2018 , 1157, 469-475	3.4	3
19	A novel binuclear copper complex incorporating a nalidixic acid derivative displaying a one-dimensional coordination polymeric structure. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2016 , 72, 544-8	0.8	3
18	Synthesis, Characterization and Thermal Behavior of Complexes of Cu(II), Zn(II) and Cd(II) with S,S'-Methylenebis(Cysteine). <i>Journal of Coordination Chemistry</i> , 2002 , 55, 951-959	1.6	3
17	Iron(II) djenkolate: synthesis and properties. <i>Journal of Alloys and Compounds</i> , 2000 , 307, 179-183	5.7	3
16	Crystal structure and cytotoxic activities of a bis(pyrrolyl-imine) gold(III) complex. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 2707-2722	1.6	2
15	X-ray powder diffraction analysis of a new palladium(II) amino acid complex. <i>Powder Diffraction</i> , 2004 , 19, 270-271	1.8	2
14	Y-imine-containing coordination motifs: ligand-directed synthesis of mononuclear and binuclear Cu compounds. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 1563-1567	0.7	2
13	Antibacterial activities and antiproliferative assays over a tumor cells panel of a silver complex with 4-aminobenzoic acid: Studies in vitro of sustained release using bacterial cellulose membranes as support. <i>Journal of Inorganic Biochemistry</i> , 2020 , 212, 111247	4.2	2
12	Promising Ag(I) complexes with N-acylhydrazones from aromatic aldehydes and isoniazid against multidrug resistance in tuberculosis. <i>Journal of Molecular Structure</i> , 2021 , 1234, 130193	3.4	2
11	Memantine hydrochloride: a drug to be repurposed against Chikungunya virus?. <i>Pharmacological Reports</i> , 2021 , 73, 954-961	3.9	2
10	Silver Nimesulide Complex in Bacterial Cellulose Membranes as an Innovative Therapeutic Method for Topical Treatment of Skin Squamous Cell Carcinoma.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	2
9	Synthesis, spectroscopic characterization and molecular modeling of a tetranuclear platinum(II) complex with thiazolidine-4-carboxylic acid. <i>Journal of Molecular Structure</i> , 2012 , 1019, 21-26	3.4	1

8	A simple method to synthesize fluorescent modified gold nanoparticles using tryptamine as the reducing and capping agent. <i>Synthetic Metals</i> , 2013 , 185-186, 61-65	3.6	1
7	Powder X-ray characterization of lithium thiazolidine-4-carboxylate. <i>Powder Diffraction</i> , 2009 , 24, 44-47	1.8	1
6	Synthesis, spectroscopic characterization and in vitro antibacterial and antiviral activities of novel silver(I) complexes with mafenide and ethyl-mafenide. <i>Journal of Molecular Structure</i> , 2021 , 1246, 131261	3.4	1
5	Repurposing potential of rimantadine hydrochloride and development of a promising platinum(II)-rimantadine metallodrug for the treatment of Chikungunya virus infection.. <i>Acta Tropica</i> , 2021 , 227, 106300	3.2	0
4	Investigating the antiproliferative activities of new CuII complexes with pyridine hydrazone derivatives of nalidixic acid. <i>Journal of Inorganic Biochemistry</i> , 2022 , 111881	4.2	0
3	Powder X-ray characterization of djenkolic acid. <i>Powder Diffraction</i> , 2001 , 16, 46-47	1.8	
2	X-ray powder diffraction analysis of methionine sulfoxide. <i>Powder Diffraction</i> , 2001 , 16, 163-164	1.8	
1	A novel water-soluble platinum(II) complex with the amino acid deoxyalliin: synthesis, crystal structure, theoretical studies and investigations about its antibacterial activity. <i>Journal of Molecular Structure</i> , 2021 , 1236, 130316	3.4	