

# Pedro P Corbi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5974053/publications.pdf>

Version: 2024-02-01

100  
papers

1,573  
citations

304368

22  
h-index

414034

32  
g-index

101  
all docs

101  
docs citations

101  
times ranked

1967  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 533-540.	1.5	70
2	Silver complexes with sulfathiazole and sulfamethoxazole: Synthesis, spectroscopic characterization, crystal structure and antibacterial assays. <i>Polyhedron</i> , 2015, 85, 437-444.	1.0	62
3	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.	1.6	58
4	Gold(I)-Phosphine-N-Heterocycles: Biological Activity and Specific (Ligand) Interactions on the C-Terminal HIVNCP7 Zinc Finger. <i>Inorganic Chemistry</i> , 2013, 52, 11280-11287.	1.9	50
5	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, 110-115.	2.0	44
6	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.	2.4	42
7	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.	1.0	40
8	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.	1.0	36
9	Physicochemical Properties of Sildenafil Citrate (Viagra) and Sildenafil Base. <i>Journal of Pharmaceutical Sciences</i> , 2003, 92, 2140-2143.	1.6	34
10	A silver complex with ibuprofen: Synthesis, solid state characterization, DFT calculations and antibacterial assays. <i>Journal of Molecular Structure</i> , 2013, 1049, 1-6.	1.8	34
11	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.	1.8	33
12	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.	0.9	32
13	Gold-Catalyzed C-S Aryl Group Transfer in Zinc Finger Proteins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9305-9309.	7.2	30
14	Silver(I) and gold(I) complexes with penicillamine: Synthesis, spectroscopic characterization and biological studies. <i>Polyhedron</i> , 2012, 34, 210-214.	1.0	29
15	Sulfonamide-containing copper(II) metallonucleases: Correlations with in vitro antimycobacterial and antiproliferative activities. <i>Journal of Inorganic Biochemistry</i> , 2018, 187, 85-96.	1.5	29
16	Synthesis, characterization, and biological activity of a new palladium(II) complex with deoxyalliin. <i>Canadian Journal of Chemistry</i> , 2005, 83, 104-109.	0.6	26
17	Synthesis, spectroscopic characterization, DFT studies, and initial antibacterial assays <i>in vitro</i> of a new palladium(II) complex with tryptophan. <i>Journal of Coordination Chemistry</i> , 2012, 65, 1700-1711.	0.8	26
18	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.	1.8	26

#	ARTICLE	IF	CITATIONS
19	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.	1.8	25
20	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.	0.8	24
21	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.	1.0	24
22	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.	1.9	23
23	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, 1171-1174.	2.0	22
24	Silver(I) complexes with symmetrical Schiff bases: Synthesis, structural characterization, DFT studies and antimycobacterial assays. <i>Polyhedron</i> , 2013, 62, 104-109.	1.0	22
25	Spectroscopic characterization and molecular modeling of novel palladium(II) complexes with carbazates and hydrazides. <i>Journal of Molecular Structure</i> , 2015, 1097, 15-22.	1.8	22
26	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.	1.2	22
27	Chemical, spectroscopic characterization and antibacterial activities in vitro of a novel gold(I)-ibuprofen complex. <i>Inorganic Chemistry Communication</i> , 2011, 14, 738-740.	1.8	20
28	Studies of the tautomeric equilibrium of 1,3-thiazolidine-2-thione: Theoretical and experimental approaches. <i>Chemical Physics</i> , 2012, 408, 62-68.	0.9	20
29	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.	1.8	20
30	<sup>1</sup> H- <sup>15</sup> 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, 418-419.	2.0	19
31	Synthesis, spectroscopic characterization, DFT studies and biological assays of a novel gold(I) complex with 2-mercaptothiazoline. <i>Polyhedron</i> , 2011, 30, 2354-2359.	1.0	18
32	Probing the HIV-1 NCp7 Nucleocapsid Protein with Site-Specific Gold(I)-Phosphine Complexes. <i>Inorganic Chemistry</i> , 2017, 56, 12308-12318.	1.9	18
33	Four new metal complexes with the amino acid deoxyalliin. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 718-722.	0.6	18
34	Crystal structure, spectroscopic characterization and antibacterial activities of a silver complex with sulfameter. <i>Journal of Molecular Structure</i> , 2016, 1125, 609-615.	1.8	17
35	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.	1.8	17
36	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.	1.8	17

#	ARTICLE	IF	CITATIONS
37	Sulfonamide-containing copper(II) complexes: new insights on biophysical interactions and antibacterial activities. <i>New Journal of Chemistry</i> , 2020, 44, 17236-17244.	1.4	17
38	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, 313-318.	2.0	16
39	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.	1.8	15
40	Silver sulfadoxinate: Synthesis, structural and spectroscopic characterizations, and preliminary antibacterial assays in vitro. <i>Journal of Molecular Structure</i> , 2015, 1082, 180-187.	1.8	15
41	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.	1.2	15
42	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.	1.0	15
43	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.	1.5	15
44	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	14
45	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.	1.8	14
46	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.	1.5	14
47	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.	0.8	13
48	A binuclear silver complex with L-buthionine sulfoximine: synthesis, spectroscopic characterization, DFT studies and antibacterial assays. <i>RSC Advances</i> , 2012, 2, 10372.	1.7	13
49	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.	1.2	13
50	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.	1.8	13
51	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.	1.4	13
52	A solid nickel(II) complex with methionine sulfoxide. <i>Journal of Alloys and Compounds</i> , 2000, 308, 153-157.	2.8	12
53	Synthesis and characterization of a platinum(II) complex with N-acetyl-L-cysteine. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2764-2771.	0.8	12
54	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.	1.0	12

#	ARTICLE	IF	CITATIONS
55	Synthesis and spectroscopic characterization of new metal(II) complexes with methionine sulfoxide. <i>Journal of Coordination Chemistry</i> , 2004, 57, 1225-1231.	0.8	11
56	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.	0.8	11
57	Synthesis, crystallographic studies, molecular modeling and in vitro biological studies of silver(I) complexes with aminoadamantane ligands. <i>Polyhedron</i> , 2019, 173, 114116.	1.0	11
58	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.	1.4	11
59	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, 114-118.	2.0	10
60	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, 209-215.	2.0	10
61	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.	1.1	10
62	Synthesis and crystal structure of a palladium(II) complex with the amino acid L-citrulline. <i>Powder Diffraction</i> , 2015, 30, 357-361.	0.4	9
63	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.	1.8	9
64	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> , 2022, 227, 106300.	0.9	9
65	Synthesis and characterization of a new platinum(II) complex with L-mimosine. <i>Journal of Coordination Chemistry</i> , 2005, 58, 1477-1483.	0.8	8
66	Synthesis, characterization and initial biological studies of a new platinum(II) complex with deoxyalliin. <i>Journal of Coordination Chemistry</i> , 2006, 59, 1101-1106.	0.8	8
67	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.	1.8	8
68	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, 462.	2.0	8
69	Memantine hydrochloride: a drug to be repurposed against Chikungunya virus?. <i>Pharmacological Reports</i> , 2021, 73, 954-961.	1.5	7
70	Iron(II) djenkolate: synthesis and properties. <i>Journal of Alloys and Compounds</i> , 2000, 307, 179-183.	2.8	6
71	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.	0.8	6
72	Three new mononuclear group 12 complexes with benzimidazole. <i>Journal of Coordination Chemistry</i> , 2014, 67, 1380-1391.	0.8	6

#	ARTICLE	IF	CITATIONS
73	Synthesis and crystal structure of dichlorido(1,10-phenanthroline-1 <sup>o</sup> ,2 <sup>o</sup> )gold(III) hexafluoridophosphate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1048-1051.	0.2	6
74	A Silver Complex with Cycloserine: Synthesis, Spectroscopic Characterization, Crystal Structure and In Vitro Biological Studies. <i>ChemistrySelect</i> , 2018, 3, 1719-1726.	0.7	6
75	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.	1.2	6
76	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.	1.1	6
77	Chemical, spectroscopic characterization, molecular modeling and antibacterial activity assays of a silver (I) complex with succinic acid. <i>Ecletica Quimica</i> , 2021, 46, 26-35.	0.2	6
78	Competition between humic substances and alpha-amino acids by metal species. <i>Journal of the Brazilian Chemical Society</i> , 2004, 15, 437-440.	0.6	6
79	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, 929-931.	2.0	5
80	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.	0.8	5
81	Investigating the inclusion of the Ag(I)-nimesulide complex into $\beta$ -cyclodextrin: studies in solution and in the solid state. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 79, 225-235.	0.9	5
82	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.	1.8	5
83	Gold-catalyzed C-S Aryl Group Transfer in Zinc Finger Proteins. <i>Angewandte Chemie</i> , 2018, 130, 9449-9453.	1.6	5
84	Characterization, and crystal structure of thiophenyl-2-methylidene-2-aminophenol. <i>Journal of Structural Chemistry</i> , 2013, 54, 269-273.	0.3	4
85	Synthesis, spectroscopic characterizations, crystal structures and DFT studies of nalidixic acid carbonyl hydrazones derivatives. <i>Journal of Molecular Structure</i> , 2016, 1120, 115-124.	1.8	4
86	$N,N,N',N'$ - versus $N,N,O$ -imine-containing coordination motifs: ligand-directed synthesis of mononuclear and binuclear Cu(II) compounds. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 1563-1567.	0.2	4
87	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.	0.8	3
88	X-ray powder diffraction analysis of a new palladium(II) amino acid complex. <i>Powder Diffraction</i> , 2004, 19, 270-271.	0.4	3
89	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, 544-548.	0.2	3
90	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.	1.8	3

#	ARTICLE	IF	CITATIONS
91	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.	2.1	2
92	Crystal structure and cytotoxic activities of a bis(pyrrolyl-imine) gold(III) complex. <i>Journal of Coordination Chemistry</i> , 2016, 69, 2707-2722.	0.8	2
93	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.	1.8	2
94	Investigating the antiproliferative activities of new CuII complexes with pyridine hydrazone derivatives of nalidixic acid. <i>Journal of Inorganic Biochemistry</i> , 2022, 234, 111881.	1.5	2
95	Powder X-ray characterization of lithium thiazolidine-4-carboxylate. <i>Powder Diffraction</i> , 2009, 24, 44-47.	0.4	1
96	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.	1.8	1
97	Powder X-ray characterization of djenkolic acid. <i>Powder Diffraction</i> , 2001, 16, 46-47.	0.4	0
98	X-ray powder diffraction analysis of methionine sulfoxide. <i>Powder Diffraction</i> , 2001, 16, 163-164.	0.4	0
99	AvaliaÃ§Ã£o da atividade antibacteriana de complexos de prata e cobre com sulfametazina. , 0, , .		0
100	SYNTHESIS, CHARACTERIZATION, DFT MODELING AND IN VITRO ANTIMYCOBACTERIAL ACTIVITY ASSAYS OF A SILVER(I)-ISONIAZID COMPLEX. <i>Quimica Nova</i> , 2020, , .	0.3	0