

Rodrigo S Corrãa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8513713/publications.pdf>

Version: 2024-02-01

96
papers

1,396
citations

361413

20
h-index

414414

32
g-index

96
all docs

96
docs citations

96
times ranked

1716
citing authors

#	ARTICLE	IF	CITATIONS
1	Ruthenium(ⁱⁱ)-diphosphine complexes containing acylthiourea ligands are effective against lung and breast cancers. <i>Dalton Transactions</i> , 2022, 51, 1489-1501.	3.3	12
2	A new polymorph of six-coordinated bis(5,5'-dimethyl-2,2'-bipyridine) nitratocopper(II) nitrate and its DNA interactions. <i>Journal of Molecular Structure</i> , 2021, 1224, 129035.	3.6	3
3	Lapachol in the Design of a New Ruthenium(II)-Diphosphine Complex as a Promising Anticancer Metallo-drug. <i>Journal of Inorganic Biochemistry</i> , 2021, 214, 111289.	3.5	22
4	A novel ruthenium(II) gallic acid complex disrupts the actin cytoskeleton and inhibits migration, invasion and adhesion of triple negative breast tumor cells. <i>Dalton Transactions</i> , 2021, 50, 323-335.	3.3	14
5	Ruthenium (II)/allopurinol complex inhibits breast cancer progression via multiple targets. <i>Journal of Biological Inorganic Chemistry</i> , 2021, 26, 385-401.	2.6	3
6	Ruthenium complexes show promise when submitted to toxicological safety tests using alternative methodologies. <i>European Journal of Medicinal Chemistry</i> , 2021, 216, 113262.	5.5	7
7	On the Cytotoxicity of Chiral Ruthenium Complexes Containing Sulfur Amino Acids against Breast Tumor Cells (MDA-231 and MCF-7). <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 1172-1182.	1.7	4
8	A new monoclinic form of a Ru(II)/Fe(II) heterobimetallic complex: Conformation, Crystal packing and Hirshfeld surface. <i>Journal of Molecular Structure</i> , 2021, 1236, 130330.	3.6	1
9	Ruthenium(II) Diphosphine Complexes with Mercapto Ligands That Inhibit Topoisomerase IB and Suppress Tumor Growth In Vivo. <i>Inorganic Chemistry</i> , 2021, 60, 14174-14189.	4.0	11
10	Nucleobase Derivatives as Building Blocks to Form Ru(II)-Based Complexes with High Cytotoxicity. <i>ACS Omega</i> , 2020, 5, 122-130.	3.5	4
11	Synthesis, Infrared and Molecular Structure of Adamantane-1-Ammonium Picrate Monohydrate: A Derivative of the Antiviral Symmetrel. <i>Crystallography Reports</i> , 2020, 65, 879-884.	0.6	4
12	Synthesis, photophysical and electrochemical properties of novel and highly fluorescent difluoroboron flavanone β -diketonate complexes. <i>New Journal of Chemistry</i> , 2020, 44, 14615-14631.	2.8	4
13	Ru(ⁱⁱ)/diclofenac-based complexes: DNA, BSA interaction and their anticancer evaluation against lung and breast tumor cells. <i>Dalton Transactions</i> , 2020, 49, 12643-12652.	3.3	26
14	Synthesis and Molecular Structure of a Chiral Bipyridine-Menthol Ether. <i>Journal of Structural Chemistry</i> , 2020, 61, 763-768.	1.0	2
15	On the conformation, molecular interactions and electron density of a natural flavonoid derivative. <i>Journal of Molecular Structure</i> , 2020, 1220, 128632.	3.6	2
16	Antitumor activity of Pd(II) complexes with N,S or O,S coordination modes of acylthiourea ligands. <i>Polyhedron</i> , 2020, 184, 114543.	2.2	20
17	Ru(ⁱⁱ)-Naphthoquinone complexes with high selectivity for triple-negative breast cancer. <i>Dalton Transactions</i> , 2020, 49, 16193-16203.	3.3	22
18	Ruthenium(II) complexes with 6-methyl-2-thiouracil selectively reduce cell proliferation, cause DNA double-strand break and trigger caspase-mediated apoptosis through JNK/p38 pathways in human acute promyelocytic leukemia cells. <i>Scientific Reports</i> , 2019, 9, 11483.	3.3	17

#	ARTICLE	IF	CITATIONS
19	Ru(II)-thymine complex causes DNA damage and apoptotic cell death in human colon carcinoma HCT116 cells mediated by JNK/p38/ERK1/2 via a p53-independent signaling. <i>Scientific Reports</i> , 2019, 9, 11094.	3.3	18
20	Non-mutagenic Ru(II) complexes: cytotoxicity, topoisomerase IB inhibition, DNA and HSA binding. <i>Dalton Transactions</i> , 2019, 48, 14885-14897.	3.3	18
21	Antiparasitic activity and ultrastructural alterations provoked by organoruthenium complexes against <i>Leishmania amazonensis</i> . <i>New Journal of Chemistry</i> , 2019, 43, 1431-1439.	2.8	17
22	Esterification of the free carboxylic group from the lutidinic acid ligand as a tool to improve the cytotoxicity of Ru(II) complexes. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 376-390.	6.0	12
23	Ru(II) complexes containing uracil nucleobase analogs with cytotoxicity against tumor cells. <i>Journal of Inorganic Biochemistry</i> , 2019, 198, 110751.	3.5	28
24	1D coordination polymer based on copper(II)-containing tetrameric 1,2,3-triazole ligand from click chemistry: Magnetic and catalytic properties. <i>Inorganica Chimica Acta</i> , 2019, 489, 93-99.	2.4	8
25	cis-bis(N-benzoyl-N,N-dibenzylthioureido)platinum(II): Synthesis, molecular structure and its interaction with human and bovine serum albumin. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3454-3462.	4.9	16
26	Synthesis, crystal structure, photophysical properties and theoretical studies of a novel bis(phenylisoxazolyl) benzene derivative. <i>Journal of Molecular Structure</i> , 2018, 1163, 197-204.	3.6	12
27	Cytotoxic activity and structural features of Ru(II)/phosphine/amino acid complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 48-60.	3.5	21
28	A ruthenium-based 5-fluorouracil complex with enhanced cytotoxicity and apoptosis induction action in HCT116 cells. <i>Scientific Reports</i> , 2018, 8, 288.	3.3	58
29	Ru(II)-thymine complexes: new metallodrug candidates against tumor cells. <i>New Journal of Chemistry</i> , 2018, 42, 6794-6802.	2.8	20
30	Ru(II)-Thymine Complex Causes Cell Growth Inhibition and Induction of Caspase-Mediated Apoptosis in Human Promyelocytic Leukemia HL-60 Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1609.	4.1	13
31	Reactive nitrogen/oxygen species production by nitro/nitrosyl supramolecular ruthenium porphyrin complexes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 338, 152-160.	3.9	10
32	Antitumor and anti-Mycobacterium tuberculosis agents based on cationic ruthenium complexes with amino acids. <i>Inorganica Chimica Acta</i> , 2017, 463, 1-6.	2.4	7
33	Ruthenium(II)/triphenylphosphine complexes: An effective way to improve the cytotoxicity of lapachol. <i>Polyhedron</i> , 2017, 130, 108-114.	2.2	36
34	Structural isomerism of Ru(II)-carbonyl complexes: synthesis, characterization and their antitrypanosomal activities. <i>New Journal of Chemistry</i> , 2017, 41, 4468-4477.	2.8	12
35	Copper(I)-Phosphine Polypyridyl Complexes: Synthesis, Characterization, DNA/HSA Binding Study, and Antiproliferative Activity. <i>Inorganic Chemistry</i> , 2017, 56, 3781-3793.	4.0	73
36	Understanding the conformational changes and molecular structure of furoyl thioureas upon substitution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 176, 8-17.	3.9	32

#	ARTICLE	IF	CITATIONS
37	Ru/Fe bimetallic complexes: Synthesis, characterization, cytotoxicity and study of their interactions with DNA/HSA and human topoisomerase IB. Archives of Biochemistry and Biophysics, 2017, 636, 28-41.	3.0	19
38	Conformational and structural diversity of iridium dimethyl sulfoxide complexes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2017, 73, 1032-1042.	1.1	5
39	Synthesis, characterization and reactivity of halides/pseudohalides and their complexes containing ruthenium II in the hydrogenation of cyclohexene. Polyhedron, 2017, 137, 311-320.	2.2	6
40	Selective Ru(II)/lawsone complexes inhibiting tumor cell growth by apoptosis. Journal of Inorganic Biochemistry, 2017, 176, 66-76.	3.5	41
41	Cytotoxicity and anti-tumor effects of new ruthenium complexes on triple negative breast cancer cells. PLoS ONE, 2017, 12, e0183275.	2.5	51
42	Influence of gold nanoparticles applied to catalytic hydrogenation of acetophenone with cationic complexes containing ruthenium. RSC Advances, 2016, 6, 53130-53139.	3.6	4
43	Ru(II)/bisphosphine/diimine/amino acid complexes: diastereoisomerism, cytotoxicity, and inhibition of tumor cell adhesion to collagen type I. Journal of Coordination Chemistry, 2016, 69, 3518-3530.	2.2	7
44	Ruthenium(II) complexes of 1,3-thiazolidine-2-thione: Cytotoxicity against tumor cells and anti-Trypanosoma cruzi activity enhanced upon combination with benznidazole. Journal of Inorganic Biochemistry, 2016, 156, 153-163.	3.5	48
45	Inhibition of human DNA topoisomerase IB by nonmutagenic ruthenium(II)-based compounds with antitumoral activity. Metallomics, 2016, 8, 179-192.	2.4	28
46	Conformerism, enantiomorphism and double catemer motifs in para-substituted nostoclide analogues. Journal of Molecular Structure, 2016, 1106, 291-299.	3.6	1
47	Characterization and screening of tight binding inhibitors of xanthine oxidase: an on-flow assay. RSC Advances, 2015, 5, 37533-37538.	3.6	11
48	Ru(II)-based complexes with N-(acyl)-N,N'-disubstituted thiourea ligands: Synthesis, characterization, BSA- and DNA-binding studies of new cytotoxic agents against lung and prostate tumour cells. Journal of Inorganic Biochemistry, 2015, 150, 63-71.	3.5	69
49	Structural characterization of unusually stable polycyclic ozonides. Journal of Molecular Structure, 2015, 1082, 151-161.	3.6	2
50	Ruthenium(II) complexes with hydroxypyridinecarboxylates: Screening potential metallodrugs against Mycobacterium tuberculosis. Polyhedron, 2015, 85, 376-382.	2.2	22
51	Anti-Mycobacterium tuberculosis and Cytotoxicity Activities of Ruthenium(II)/Bipyridine/Diphosphine/Pyrimidine-2-thiolate Complexes: The Role of the Non-Coordinated N-Atom. Journal of the Brazilian Chemical Society, 2015, , .	0.6	1
52	Ruthenium(II)/4,6-dimethyl-2-mercaptopyrimidine complexes: Synthesis, characterization, X-ray structures and in vitro cytotoxicity activities on cancer cell lines. Polyhedron, 2014, 68, 312-318.	2.2	26
53	Halogen-halogen contacts for the stabilization of a new polymorph of 9,10-dichloroanthracene. Journal of Molecular Structure, 2014, 1059, 1-7.	3.6	10
54	Quasi-enantiomeric single-nucleoside and quasi-racemic two-nucleoside hydrochloride salts and ruthenium complexes of cytidine and 2,3-dideoxycytidine analogs unveiling the negligible structure-driving role of the 2,3-moieties. CrystEngComm, 2014, 16, 7013-7022.	2.6	10

#	ARTICLE	IF	CITATIONS
55	Antiparasitic activities of novel ruthenium/lapachol complexes. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 33-39.	3.5	58
56	NMR and X-ray structural characterization and conformational aspects of fluorinated (5Z)-3-benzil-5-arylidene-furan-2(5H)-ones. <i>Journal of Molecular Structure</i> , 2014, 1075, 53-62.	3.6	2
57	NH ⁺ Br, Br ⁻ and π interactions toward self-assembly of the cytosine hydrobromide: Crystal structure, infrared spectroscopy and thermal behavior. <i>Journal of Molecular Structure</i> , 2013, 1048, 274-281.	3.6	8
58	The effect of guest molecules on the conformation and molecular assembly of the fac-[RuCl ₃ (NO)(dppb)] complex. <i>Journal of Molecular Structure</i> , 2013, 1048, 11-17.	3.6	12
59	Spectroscopic and dynamic NMR study, X-ray crystallography and DFT calculations of two phosphoramidates: (C ₄ H ₃ O ₂)P(O)(Cl)C ₆ H ₁₄ N and (C ₄ H ₃ O ₂)P(O)(C ₆ H ₁₁ NH) ₂ . <i>Journal of Molecular Structure</i> , 2013, 1046, 64-73.	3.6	4
60	New ruthenium(II)/phosphines/diimines complexes: Promising antitumor (human breast cancer) and Mycobacterium tuberculosis fighting agents. <i>Polyhedron</i> , 2013, 51, 292-297.	2.2	38
61	16 \pm -Hydroxyfriedelin and 3-Oxo-16-methylfriedel-16-ene as Building Blocks: Crystal Structure and Hirshfeld Surfaces Decoding Intermolecular Contacts. <i>Journal of Crystallography</i> , 2013, 2013, 1-6.	0.0	0
62	2,4,6-Trinitrophenyl 4-methylbenzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3107-o3107.	0.2	3
63	Host-guest interactions between xanthenes and water: the role of O ^H ...O, C ^H ...O, and π contacts in the channel- and cage-type frameworks. <i>Structural Chemistry</i> , 2012, 23, 1809-1818.	2.0	7
64	Spectroscopic characterization and crystal structure of cis-Bis(N-(2-benzoyl)-N ² ,N ² -diphenylthiourea- <i>k</i> 2O,S)nickel(II). <i>Journal of Structural Chemistry</i> , 2012, 53, 921-926.	1.0	9
65	Probing the relationships between molecular conformation and intermolecular contacts in <i>trans</i> -dibenzyl- β -(furan-2-carbonyl)thiourea. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o19-o22.	0.4	18
66	Influence of hydrogen bonds on the molecular structure and conformations of two (C ₃₀ H ₄₈ O ₂) pentacyclic triterpene isomers. <i>Journal of Structural Chemistry</i> , 2012, 53, 156-163.	1.0	3
67	Tetrachlorocarbonyliridates: Water-Soluble Carbon Monoxide Releasing Molecules Rate-Modulated by the Sixth Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 2334-2345.	4.0	40
68	Weak C ^H ...Cl ^{...} Pd interactions toward conformational polymorphism in <i>trans</i> -dichloridobis(triphenylphosphane)palladium(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, m304-m306.	0.4	8
69	Experimental and theoretical investigation of molecular structure and conformation of the 4-isopropylthioxanthone. <i>Journal of Molecular Structure</i> , 2011, 1000, 155-161.	3.6	11
70	<i>trans</i> -Benzoyl- β , β -dimethylthiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o647-o647.	0.2	13
71	On the relationships between molecular conformations and intermolecular contacts toward crystal self-assembly of mono-, di-, tri-, and tetra-oxygenated xanthone derivatives. <i>Structural Chemistry</i> , 2010, 21, 555-563.	2.0	14
72	A monohydrate pseudopolymorph of 3,4-dihydroxybenzophenone and the role of water in the crystal assembly of benzophenones. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o463-o465.	0.4	7

#	ARTICLE	IF	CITATIONS
73	Synthesis, characterization, and single crystal X-ray structure of the 1-furoyl-3-cyclohexylthiourea cadmium chloride complex, Cd[C ₄ H ₃ OC(O)NHC(S)NHC ₆ H ₁₁] ₄ Cl ₂ . <i>Journal of Coordination Chemistry</i> , 2009, 62, 2804-2813.	2.2	20
74	Molecular conformation of the racemic indan derivative (Å±)-1-trans-3-(3,4-dichlorophenyl)-2,3-dihydro-1H-indene-1-carboxamide. <i>Structural Chemistry</i> , 2009, 20, 795-800.	2.0	2
75	Lupeol. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, o97-o99.	0.4	19
76	Synthesis, structural characterization and conformational aspects of nostoclid analogues. <i>Journal of Molecular Structure</i> , 2009, 917, 1-9.	3.6	7
77	Novel 6-methanesulfonamide-3,4-methylenedioxyphenyl-N-acylhydrazones: Orally effective anti-inflammatory drug candidates. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1125-1131.	3.0	35
78	Synthesis and analgesic profile of conformationally constrained N-acylhydrazone analogues: Discovery of novel N-arylideneamino quinazolin-4(3H)-one compounds derived from natural safrole. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 6517-6525.	3.0	24
79	1-Furoyl-3-[3-(trifluoromethyl)phenyl]thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1012-o1012.	0.2	4
80	Bis(tetraphenylphosphonium) tris[N-(methylsulfonyl)dithiocarbimato(2â ⁻)-Î ² S,Sâ ²]stannate(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1154-m1155.	0.2	1
81	cis-Bis[N-(2-furoyl)-Nâ ² ,Nâ ² -diphenylthioureato-Î ² O,S]nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m242-m242.	0.2	8
82	Redetermination of 1-benzyl-3-furoyl-1-phenylthiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o648-o648.	0.2	4
83	Hydrogen bonding in 2-(2-oxothiazolidin-3-yl)-4,5-dihydrothiazolium hydrogen sulfate monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o395-o397.	0.4	1
84	1-Furfuryl-3-furoylthiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1157-o1157.	0.2	5
85	1-(2-Furoyl)-3-(o-tolyl)thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1414-o1414.	0.2	10
86	Tris[<i>N</i> -benzoyl- <i>N</i> â ² , <i>N</i> â ² -diphenylthioureato-Î ² O,S]cobalt(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m503-m503.	0.2	10
87	Tris[<i>N</i> -(2-furoyl)- <i>N</i> â ² , <i>N</i> â ² -diphenylthioureato-Î ² O,S]cobalt(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m733-m734.	0.2	6
88	1-(2-Furoyl)-3-(1-naphthyl)thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1068-o1068.	0.2	9
89	cis-Bis(N-benzoyl-Nâ ² ,Nâ ² -dibenzylthioureato-Î ² O,S)nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m916-m916.	0.2	5
90	N-(2-Furylcarbonyl)piperidine-1-carbothioamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1457-o1457.	0.2	2

#	ARTICLE	IF	CITATIONS
91	1-(<i>o</i> -Tolyl)thiourea. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1670-o1671.	0.2	0
92	A triclinic polymorph of 1,3-thiazolidine-2-thione (2-mercaptothiazoline). Acta Crystallographica Section C: Crystal Structure Communications, 2006, 62, o115-o117.	0.4	8
93	Polypyridyl Ruthenium Complexes: Novel DNA-Intercalating Agents against Human Breast Tumor. Journal of the Brazilian Chemical Society, 0, , .	0.6	3
94	Facile Synthesis and Characterization of Symmetric N-[(Phenylcarbonyl) carbamothioyl]benzamide Thiourea: Experimental and Theoretical Investigations. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
95	New Heteroleptic Ru(II)/Diphosphine Complexes with Cytotoxicity against Human Breast and Murine Ascitic Sarcoma 180 Tumor Cells. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
96	â€œHalf-Sandwichâ€ Ru(II) Anticancer Complexes Containing Triphenylphosphine and p-Substituted Benzoic Acids. Journal of the Brazilian Chemical Society, 0, , .	0.6	5