

Rodrigo S Corrãa

List of Publications by Year in descending order

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96
papers

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361413

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#	ARTICLE	IF	CITATIONS
1	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
2	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. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 63-71.	3.5	69
3	Antiparasitic activities of novel ruthenium/lapachol complexes. <i>Journal of Inorganic Biochemistry</i> , 2014, 136, 33-39.	3.5	58
4	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
5	Cytotoxicity and anti-tumor effects of new ruthenium complexes on triple negative breast cancer cells. <i>PLoS ONE</i> , 2017, 12, e0183275.	2.5	51
6	Ruthenium(II) complexes of 1,3-thiazolidine-2-thione: Cytotoxicity against tumor cells and anti-Trypanosoma cruzi activity enhanced upon combination with benznidazole. <i>Journal of Inorganic Biochemistry</i> , 2016, 156, 153-163.	3.5	48
7	Selective Ru(II)/lawsone complexes inhibiting tumor cell growth by apoptosis. <i>Journal of Inorganic Biochemistry</i> , 2017, 176, 66-76.	3.5	41
8	Tetrachlorocarbonyliridates: Water-Soluble Carbon Monoxide Releasing Molecules Rate-Modulated by the Sixth Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 2334-2345.	4.0	40
9	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
10	Ruthenium(II)/triphenylphosphine complexes: An effective way to improve the cytotoxicity of lapachol. <i>Polyhedron</i> , 2017, 130, 108-114.	2.2	36
11	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
12	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
13	Inhibition of human DNA topoisomerase IB by nonmutagenic ruthenium(II)-based compounds with antitumoral activity. <i>Metallomics</i> , 2016, 8, 179-192.	2.4	28
14	Ru(II) complexes containing uracil nucleobase analogs with cytotoxicity against tumor cells. <i>Journal of Inorganic Biochemistry</i> , 2019, 198, 110751.	3.5	28
15	Ruthenium(II)/4,6-dimethyl-2-mercaptopyrimidine complexes: Synthesis, characterization, X-ray structures and in vitro cytotoxicity activities on cancer cell lines. <i>Polyhedron</i> , 2014, 68, 312-318.	2.2	26
16	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
17	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
18	Ruthenium(II) complexes with hydroxypyridinecarboxylates: Screening potential metallodrugs against Mycobacterium tuberculosis. <i>Polyhedron</i> , 2015, 85, 376-382.	2.2	22

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19	Ru(II)-Naphthoquinone complexes with high selectivity for triple-negative breast cancer. Dalton Transactions, 2020, 49, 16193-16203.	3.3	22
20	Lapachol in the Design of a New Ruthenium(II)-Diphosphine Complex as a Promising Anticancer Metallodrug. Journal of Inorganic Biochemistry, 2021, 214, 111289.	3.5	22
21	Cytotoxic activity and structural features of Ru(II)/phosphine/amino acid complexes. Journal of Inorganic Biochemistry, 2018, 182, 48-60.	3.5	21
22	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 . Journal of Coordination Chemistry, 2009, 62, 2804-2813.	2.2	20
23	Ru(II)-thymine complexes: new metallodrug candidates against tumor cells. New Journal of Chemistry, 2018, 42, 6794-6802.	2.8	20
24	Antitumor activity of Pd(II) complexes with N,S or O,S coordination modes of acylthiourea ligands. Polyhedron, 2020, 184, 114543.	2.2	20
25	Lupeol. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, o97-o99.	0.4	19
26	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
27	Probing the relationships between molecular conformation and intermolecular contacts in N,N'-dibenzyl-N''-(furan-2-carbonyl)thiourea. Acta Crystallographica Section C: Crystal Structure Communications, 2012, 68, o19-o22.	0.4	18
28	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. Scientific Reports, 2019, 9, 11094.	3.3	18
29	Non-mutagenic Ru(II) complexes: cytotoxicity, topoisomerase IB inhibition, DNA and HSA binding. Dalton Transactions, 2019, 48, 14885-14897.	3.3	18
30	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. Scientific Reports, 2019, 9, 11483.	3.3	17
31	Antiparasitic activity and ultrastructural alterations provoked by organoruthenium complexes against <i>Leishmania amazonensis</i> . New Journal of Chemistry, 2019, 43, 1431-1439.	2.8	17
32	cis-bis(N-benzoyl-N''-dibenzylthioureido)platinum(II): Synthesis, molecular structure and its interaction with human and bovine serum albumin. Arabian Journal of Chemistry, 2019, 12, 3454-3462.	4.9	16
33	On the relationships between molecular conformations and intermolecular contacts toward crystal self-assembly of mono-, di-, tri-, and tetra-oxygenated xanthone derivatives. Structural Chemistry, 2010, 21, 555-563.	2.0	14
34	A novel ruthenium(II) gallic acid complex disrupts the actin cytoskeleton and inhibits migration, invasion and adhesion of triple negative breast tumor cells. Dalton Transactions, 2021, 50, 323-335.	3.3	14
35	N,N'-Benzoyl-N''-dimethylthiourea. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o647-o647.	0.2	13
36	Ru(II)-Thymine Complex Causes Cell Growth Inhibition and Induction of Caspase-Mediated Apoptosis in Human Promyelocytic Leukemia HL-60 Cells. International Journal of Molecular Sciences, 2018, 19, 1609.	4.1	13

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37	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
38	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
39	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
40	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
41	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
42	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
43	Characterization and screening of tight binding inhibitors of xanthine oxidase: an on-flow assay. <i>RSC Advances</i> , 2015, 5, 37533-37538.	3.6	11
44	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
45	1-(2-Furoyl)-3-(o-tolyl)thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1414-o1414.	0.2	10
46	Halogen...halogen contacts for the stabilization of a new polymorph of 9,10-dichloroanthracene. <i>Journal of Molecular Structure</i> , 2014, 1059, 1-7.	3.6	10
47	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. <i>CrystEngComm</i> , 2014, 16, 7013-7022.	2.6	10
48	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
49	Tris(N-benzoyl-N,N'-diphenylthioureato- λ^2 -O,S)cobalt(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m503-m503.	0.2	10
50	Spectroscopic characterization and crystal structure of cis-Bis(N-(2-benzoyl)-N,N'-diphenylthioureato- λ^2 -2O,S)nickel(II). <i>Journal of Structural Chemistry</i> , 2012, 53, 921-926.	1.0	9
51	1-(2-Furoyl)-3-(1-naphthyl)thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1068-o1068.	0.2	9
52	A triclinic polymorph of 1,3-thiazolidine-2-thione (2-mercaptothiazoline). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2006, 62, o115-o117.	0.4	8
53	cis-Bis[N-(2-furoyl)-N,N'-diphenylthioureato- λ^2 2O,S]nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m242-m242.	0.2	8
54	Weak C-H...Cl...Pd interactions toward conformational polymorphism in trans-dichloridobis(triphenylphosphane)palladium(II). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, m304-m306.	0.4	8

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55	NH π -Br, Br π - π and π - 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
56	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
57	Synthesis, structural characterization and conformational aspects of nostoclide analogues. <i>Journal of Molecular Structure</i> , 2009, 917, 1-9.	3.6	7
58	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
59	Host-guest interactions between xanthenes and water: the role of O \cdots H \cdots O, C \cdots H \cdots O, and π - π contacts in the channel- and cage-type frameworks. <i>Structural Chemistry</i> , 2012, 23, 1809-1818.	2.0	7
60	Ru(II)/bisphosphine/diimine/amino acid complexes: diastereoisomerism, cytotoxicity, and inhibition of tumor cell adhesion to collagen type I. <i>Journal of Coordination Chemistry</i> , 2016, 69, 3518-3530.	2.2	7
61	Antitumor and anti- <i>Mycobacterium tuberculosis</i> agents based on cationic ruthenium complexes with amino acids. <i>Inorganica Chimica Acta</i> , 2017, 463, 1-6.	2.4	7
62	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
63	Synthesis, characterization and reactivity of halides/pseudohalides and their complexes containing ruthenium II in the hydrogenation of cyclohexene. <i>Polyhedron</i> , 2017, 137, 311-320.	2.2	6
64	Tris[<i>N</i> -(2-furoyl)- <i>N</i> -(2-diphenylthioureato) ² - <i>O</i> , <i>S</i>]cobalt(III). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m733-m734.	0.2	6
65	1-Furfuryl-3-furoylthiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1157-o1157.	0.2	5
66	Conformational and structural diversity of iridium dimethyl sulfoxide complexes. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2017, 73, 1032-1042.	1.1	5
67	cis-Bis(<i>N</i> -benzoyl- <i>N</i> -(2-diphenylthioureato) ² - <i>O</i> , <i>S</i>)nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, m916-m916.	0.2	5
68	π -Sandwich-Ru(II) Anticancer Complexes Containing Triphenylphosphine and <i>p</i> -Substituted Benzoic Acids. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	5
69	1-Furoyl-3-[3-(trifluoromethyl)phenyl]thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o1012-o1012.	0.2	4
70	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
71	Influence of gold nanoparticles applied to catalytic hydrogenation of acetophenone with cationic complexes containing ruthenium. <i>RSC Advances</i> , 2016, 6, 53130-53139.	3.6	4
72	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

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73	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
74	Synthesis, photophysical and electrochemical properties of novel and highly fluorescent difluoroboron flavanone 1 ² -diketonate complexes. <i>New Journal of Chemistry</i> , 2020, 44, 14615-14631.	2.8	4
75	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
76	Redetermination of 1-benzyl-3-furoyl-1-phenylthiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o648-o648.	0.2	4
77	2,4,6-Trinitrophenyl 4-methylbenzoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3107-o3107.	0.2	3
78	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
79	Polypyridyl Ruthenium Complexes: Novel DNA-Intercalating Agents against Human Breast Tumor. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	3
80	A new polymorph of six-coordinated bis(5,5 ² -dimethyl-2,2 ² -bipyridine) nitratocopper(II) nitrate and its DNA interactions. <i>Journal of Molecular Structure</i> , 2021, 1224, 129035.	3.6	3
81	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
82	Molecular conformation of the racemic indan derivative (±)-1-trans-3-(3,4-dichlorophenyl)-2,3-dihydro-1H-indene-1-carboxamide. <i>Structural Chemistry</i> , 2009, 20, 795-800.	2.0	2
83	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
84	Structural characterization of unusually stable polycyclic ozonides. <i>Journal of Molecular Structure</i> , 2015, 1082, 151-161.	3.6	2
85	Facile Synthesis and Characterization of Symmetric N-[(Phenylcarbonyl) carbamothioyl]benzamide Thiourea: Experimental and Theoretical Investigations. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2
86	Synthesis and Molecular Structure of a Chiral Bipyridine-Menthol Ether. <i>Journal of Structural Chemistry</i> , 2020, 61, 763-768.	1.0	2
87	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
88	N-(2-Furylcarbonyl)piperidine-1-carbothioamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1457-o1457.	0.2	2
89	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
90	Bis(tetraphenylphosphonium) tris[N-(methylsulfonyl)dithiocarbimato(2 ⁻)- ² S, ² S]stannate(IV). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1154-m1155.	0.2	1

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91	Conformerism, enantiomorphism and double catemer motifs in para-substituted nostoclide analogues. <i>Journal of Molecular Structure</i> , 2016, 1106, 291-299.	3.6	1
92	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
93	New Heteroleptic Ru(II)/Diphosphine Complexes with Cytotoxicity against Human Breast and Murine Ascitic Sarcoma 180 Tumor Cells. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
94	Anti-Mycobacterium tuberculosis and Cytotoxicity Activities of Ruthenium(II)/Bipyridine/Diphosphine/Pyrimidine-2-thiolate Complexes: The Role of the Non-Coordinated N-Atom. <i>Journal of the Brazilian Chemical Society</i> , 2015, , .	0.6	1
95	16 β -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
96	1-(<i>o</i> -Tolyl)thiourea. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008, 64, o1670-o1671.	0.2	0