

# Lucia Otero

## List of Publications by Year in descending order

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38  
papers

1,563  
citations

257357

24  
h-index

315616

38  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1639  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Antitrypanosomal Agents Based on Palladium Nitrofurylthiosemicarbazone Complexes: DNA and Redox Metabolism as Potential Therapeutic Targets. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3322-3331.	2.9	157
2	In vitro activity and mechanism of action against the protozoan parasite <i>Trypanosoma cruzi</i> of 5-nitrofuryl containing thiosemicarbazones. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 4885-4893.	1.4	118
3	Perspectives on what ruthenium-based compounds could offer in the development of potential antiparasitic drugs. <i>Inorganica Chimica Acta</i> , 2012, 393, 103-114.	1.2	87
4	New organoruthenium complexes with bioactive thiosemicarbazones as co-ligands: potential anti-trypanosomal agents. <i>Dalton Transactions</i> , 2012, 41, 1534-1543.	1.6	85
5	Screening organometallic binuclear thiosemicarbazone ruthenium complexes as potential anti-tumour agents: cytotoxic activity and human serum albumin binding mechanism. <i>Dalton Transactions</i> , 2013, 42, 7131.	1.6	83
6	New Vanadium(V) Complexes with Salicylaldehyde Semicarbazone Derivatives: Synthesis, Characterization, and in vitro Insulin-Mimetic Activity. Crystal Structure of [VVO <sub>2</sub> (salicylaldehyde)Tj ETQq0 0 0 rgBT /Overlook 10 Tf 5	1.6	83
7	Platinum-based complexes of bioactive 3-(5-nitrofuryl)acroleine thiosemicarbazones showing anti- <i>Trypanosoma cruzi</i> activity. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 411-418.	1.5	75
8	Platinum(II) metal complexes as potential anti- <i>Trypanosoma cruzi</i> agents. <i>Journal of Inorganic Biochemistry</i> , 2008, 102, 1033-1043.	1.5	74
9	Risedronate metal complexes potentially active against Chagas disease. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 1252-1258.	1.5	58
10	Potent in vitro anti- <i>Trypanosoma cruzi</i> activity of pyridine-2-thiol N-oxide metal complexes having an inhibitory effect on parasite-specific fumarate reductase. <i>Journal of Biological Inorganic Chemistry</i> , 2008, 13, 723-735.	1.1	56
11	Potential Mechanism of the Anti-trypanosomal Activity of Organoruthenium Complexes with Bioactive Thiosemicarbazones. <i>Biological Trace Element Research</i> , 2013, 153, 371-381.	1.9	52
12	Vibrational spectra of palladium 5-nitrofuryl thiosemicarbazone complexes: Experimental and theoretical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 341-348.	2.0	49
13	Effect of ruthenium complexation on trypanocidal activity of 5-nitrofuryl containing thiosemicarbazones. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 4937-4943.	2.6	41
14	DNA conformational changes and cleavage by ruthenium(II) nitrofurylsemicarbazone complexes. <i>Journal of Inorganic Biochemistry</i> , 2007, 101, 74-79.	1.5	38
15	Aromatic amine N-oxide organometallic compounds: searching for prospective agents against infectious diseases. <i>Dalton Transactions</i> , 2015, 44, 14453-14464.	1.6	38
16	A new ruthenium cyclopentadienylazole compound with activity on tumor cell lines and trypanosomatid parasites. <i>Journal of Coordination Chemistry</i> , 2015, 68, 2923-2937.	0.8	37
17	Nitrofurylsemicarbazone Ruthenium and Ruthenium Complexes as Anti-trypanosomal Agents. <i>European Journal of Medicinal Chemistry</i> , 2006, 41, 1231-1239.	2.6	35
18	Novel ruthenium(II) cyclopentadienyl thiosemicarbazone compounds with antiproliferative activity on pathogenic trypanosomatid parasites. <i>Journal of Inorganic Biochemistry</i> , 2015, 153, 306-314.	1.5	35

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19	Rhenium(I) tricarbonyl compounds of bioactive thiosemicarbazones: Synthesis, characterization and activity against <i>Trypanosoma cruzi</i> . <i>Journal of Inorganic Biochemistry</i> , 2017, 170, 125-133.	1.5	34
20	Ruthenium (II) nitrofurylsemicarbazone complexes: new DNA binding agents. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 377-382.	2.6	32
21	DNA as molecular target of analogous palladium and platinum anti- <i>Trypanosoma cruzi</i> compounds: A comparative study. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 1704-1711.	1.5	32
22	Bisphosphonate metal complexes as selective inhibitors of <i>Trypanosoma cruzi</i> farnesyl diphosphate synthase. <i>Dalton Transactions</i> , 2012, 41, 6468.	1.6	32
23	Electrochemical and ESR study of 5-nitrofuryl-containing thiosemicarbazones antiprotozoal drugs. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005, 61, 2933-2938.	2.0	26
24	ESR, electrochemical and reactivity studies of antitrypanosomal palladium thiosemicarbazone complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 70, 519-523.	2.0	26
25	Effect of the Metal Ion on the anti <i>T. cruzi</i> Activity and Mechanism of Action of 5-Nitrofuryl-Containing Thiosemicarbazone Metal Complexes. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4677-4689.	1.0	26
26	Antitumor and antiparasitic activity of novel ruthenium compounds with polycyclic aromatic ligands. <i>Journal of Inorganic Biochemistry</i> , 2015, 150, 38-47.	1.5	22
27	Water-Soluble Ruthenium Complexes Bearing Activity Against Protozoan Parasites. <i>Biological Trace Element Research</i> , 2014, 159, 379-392.	1.9	21
28	In search of patterns over physicochemical properties and pharmacological activities for a set of [MCl <sub>2</sub> (thiosemicarbazone)] complexes (M=Pt/Pd): Support for multiple mechanisms of antichagasic action excluding DNA-bonding in vivo?. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2639-2651.	2.6	19
29	Chemo-selective hydrolysis of the iminic moiety in salicylaldehyde semicarbazone promoted by ruthenium. <i>Inorganica Chimica Acta</i> , 2005, 358, 3065-3074.	1.2	17
30	Interaction with Blood Proteins of a Ruthenium(II) Nitrofuryl Semicarbazone Complex: Effect on the Antitumoral Activity. <i>Molecules</i> , 2019, 24, 2861.	1.7	15
31	New heterobimetallic ferrocenyl derivatives are promising antitrypanosomal agents. <i>Dalton Transactions</i> , 2019, 48, 7644-7658.	1.6	13
32	Synthesis, characterization and crystal structure of hexakis-(thiourea-S) rhenium(III) trichloride tetrahydrate: A potential precursor to low-valent rhenium complexes. <i>Polyhedron</i> , 1997, 16, 2263-2270.	1.0	12
33	Ibandronate metal complexes: solution behavior and antiparasitic activity. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 303-312.	1.1	12
34	Facing Diseases Caused by Trypanosomatid Parasites: Rational Design of Pd and Pt Complexes With Bioactive Ligands. <i>Frontiers in Chemistry</i> , 2021, 9, 816266.	1.8	9
35	Multi-target heteroleptic palladium bisphosphonate complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 509-519.	1.1	6
36	[ReIII(thiourea-S) <sub>6</sub> ]Cl <sub>3</sub> ·4H <sub>2</sub> O and [ReIII(N-methylthiourea-S) <sub>6</sub> ]Cl <sub>3</sub> as Precursors to other ReIII Complexes: a Kinetic Study in Aqueous Media. Crystal Structure of [ReIII(N-methylthiourea-S) <sub>6</sub> ](PF <sub>6</sub> ) <sub>3</sub> ·4H <sub>2</sub> O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1999, 625, 1866-1872.	0.6	5

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37	New preparation protocols for coumarin-thiosemicarbazone hybrids: Solid state characterization, and in silico/NMR studies of the Z/E isomerization equilibria in solution. <i>Journal of Molecular Structure</i> , 2022, 1251, 131980.	1.8	5
38	Selenosemicarbazone Metal Complexes as Potential Metal-based Drugs. <i>Current Medicinal Chemistry</i> , 2023, 30, 558-572.	1.2	5