

Luigi Messori

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6936670/luigi-messori-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

336
papers

13,710
citations

62
h-index

96
g-index

353
ext. papers

15,001
ext. citations

5.1
avg, IF

6.5
L-index

#	Paper	IF	Citations
336	Thioredoxin reductase: A target for gold compounds acting as potential anticancer drugs. <i>Coordination Chemistry Reviews</i> , 2009 , 253, 1692-1707	23.2	445
335	Gold compounds as anticancer agents: chemistry, cellular pharmacology, and preclinical studies. <i>Medicinal Research Reviews</i> , 2010 , 30, 550-80	14.4	354
334	Gold(III) complexes as potential antitumor agents: solution chemistry and cytotoxic properties of some selected gold(III) compounds. <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 3541-8	8.3	282
333	Clioquinol, a drug for Alzheimer β disease specifically interfering with brain metal metabolism: structural characterization of its zinc(II) and copper(II) complexes. <i>Inorganic Chemistry</i> , 2004 , 43, 3795-7	5.1	248
332	Emerging protein targets for anticancer metallodrugs: inhibition of thioredoxin reductase and cathepsin B by antitumor ruthenium(II)-arene compounds. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 6773-81	8.3	243
331	Gold(III) complexes with bipyridyl ligands: solution chemistry, cytotoxicity, and DNA binding properties. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 1672-7	8.3	236
330	Gold(III) compounds as anticancer agents: relevance of gold-protein interactions for their mechanism of action. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 564-75	4.2	226
329	Gold complexes inhibit mitochondrial thioredoxin reductase: consequences on mitochondrial functions. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1634-41	4.2	173
328	Structural and solution chemistry, antiproliferative effects, and DNA and protein binding properties of a series of dinuclear gold(III) compounds with bipyridyl ligands. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 5524-31	8.3	167
327	The binding properties of two antitumor ruthenium(III) complexes to apotransferrin.. <i>Journal of Biological Chemistry</i> , 1994 , 269, 2581-2588	5.4	166
326	Metal-based drugs for malaria, trypanosomiasis and leishmaniasis: recent achievements and perspectives. <i>Drug Discovery Today</i> , 2010 , 15, 1070-8	8.8	162
325	Molecular mechanisms and proposed targets for selected anticancer gold compounds. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 2647-60	3	153
324	NAMI-A and KP1019/1339, Two Iconic Ruthenium Anticancer Drug Candidates Face-to-Face: A Case Story in Medicinal Inorganic Chemistry. <i>Molecules</i> , 2019 , 24,	4.8	138
323	The binding properties of two antitumor ruthenium(III) complexes to apotransferrin. <i>Journal of Biological Chemistry</i> , 1994 , 269, 2581-8	5.4	132
322	ESI mass spectrometry and X-ray diffraction studies of adducts between anticancer platinum drugs and hen egg white lysozyme. <i>Chemical Communications</i> , 2007 , 156-8	5.8	126
321	Gold(III) compounds as anticancer drugs 2007 , 40, 73-81		120
320	Challenges associated with metal chelation therapy in Alzheimer β disease. <i>Journal of Alzheimerβ Disease</i> , 2009 , 17, 457-68	4.3	119

- 319 A gold-containing drug against parasitic polyamine metabolism: the X-ray structure of trypanothione reductase from *Leishmania infantum* in complex with auranofin reveals a dual mechanism of enzyme inhibition. *Amino Acids*, **2012**, 42, 803-11 3.5 118
- 318 New uses for old drugs. Auranofin, a clinically established antiarthritic metallodrug, exhibits potent antimalarial effects in vitro: Mechanistic and pharmacological implications. *FEBS Letters*, **2008**, 582, 844-7 3.8 117
- 317 A spectroscopic study of the reaction of NAMI, a novel ruthenium(III) anti-neoplastic complex, with bovine serum albumin. *FEBS Journal*, **2000**, 267, 1206-13 117
- 316 Mechanisms of cytotoxicity of selected organogold(III) compounds. *Journal of Medicinal Chemistry*, **2005**, 48, 6761-5 8.3 116
- 315 Aluminum, copper, iron and zinc differentially alter amyloid-A β (1-42) aggregation and toxicity. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 877-85 5.6 115
- 314 Metal ion physiopathology in neurodegenerative disorders. *NeuroMolecular Medicine*, **2009**, 11, 223-38 4.6 115
- 313 Formation of Supramolecular Structures between DNA and Starburst Dendrimers Studied by EPR, CD, UV, and Melting Profiles. *Macromolecules*, **2000**, 33, 7842-7851 5.5 113
- 312 DNA as a possible target for antitumor ruthenium(III) complexes. *Archives of Biochemistry and Biophysics*, **2000**, 376, 156-62 4.1 108
- 311 Cisplatin binding to proteins: A structural perspective. *Coordination Chemistry Reviews*, **2016**, 315, 67-89 23.2 107
- 310 Chemistry, antiproliferative properties, tumor selectivity, and molecular mechanisms of novel gold(III) compounds for cancer treatment: a systematic study. *Journal of Biological Inorganic Chemistry*, **2009**, 14, 1139-49 3.7 107
- 309 A comparative study of aluminum(III), gallium(III), indium(III), and thallium(III) binding to human serum transferrin. *Coordination Chemistry Reviews*, **2002**, 228, 237-262 23.2 102
- 308 Acid-sensitive polyethylene glycol conjugates of doxorubicin: preparation, in vitro efficacy and intracellular distribution. *Bioorganic and Medicinal Chemistry*, **1999**, 7, 2517-24 3.4 102
- 307 Clioquinol decreases amyloid-beta burden and reduces working memory impairment in a transgenic mouse model of Alzheimer's disease. *Journal of Alzheimer's Disease*, **2009**, 17, 423-40 4.3 96
- 306 Use of Hydrophobic Ligands for the Stabilization of Low-Valent Transition Metal Complexes. 1. The Effect of N-Methylation of Linear Tetraazaalkane Ligands on the Properties of Their Copper Complexes. *Journal of the American Chemical Society*, **1995**, 117, 8353-8361 16.4 96
- 305 Structural investigation of cisplatin-protein interactions: selective platination of His19 in a cuprozinic superoxide dismutase. *Angewandte Chemie - International Edition*, **2006**, 45, 1267-9 16.4 95
- 304 Structural characterization, solution studies, and DFT calculations on a series of binuclear gold(III) oxo complexes: relationships to biological properties. *Inorganic Chemistry*, **2008**, 47, 2368-79 5.1 94
- 303 Cisplatin binding to human serum albumin: a structural study. *Chemical Communications*, **2015**, 51, 9436-9 9.8 93
- 302 Identification of the iron ions of high potential iron protein from *Chromatium vinosum* within the protein frame through two-dimensional NMR experiments. *Journal of the American Chemical Society*, **1992**, 114, 3332-3340 16.4 89

301	Exploring metallodrug-protein interactions by mass spectrometry: comparisons between platinum coordination complexes and an organometallic ruthenium compound. <i>Journal of Biological Inorganic Chemistry</i> , 2009 , 14, 761-70	3.7	88
300	Biological role of adduct formation of the ruthenium(III) complex NAMI-A with serum albumin and serum transferrin. <i>Investigational New Drugs</i> , 2003 , 21, 401-11	4.3	87
299	Interactions of selected gold(III) complexes with calf thymus DNA. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 281, 352-60	3.4	87
298	Exploring metallodrug-protein interactions by ESI mass spectrometry: the reaction of anticancer platinum drugs with horse heart cytochrome c. <i>ChemMedChem</i> , 2006 , 1, 413-7	3.7	86
297	ESI-MS characterisation of protein adducts of anticancer ruthenium(II)-arene PTA (RAPTA) complexes. <i>ChemMedChem</i> , 2007 , 2, 631-5	3.7	85
296	Thioredoxin reductase, an emerging target for anticancer metallodrugs. Enzyme inhibition by cytotoxic gold(III) compounds studied with combined mass spectrometry and biochemical assays. <i>MedChemComm</i> , 2011 , 2, 50-54	5	83
295	Mass spectrometric analysis of ubiquitin-platinum interactions of leading anticancer drugs: MALDI versus ESI. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 960-967	3.7	81
294	Investigation of Cu ₂ Co ₂ SOD and its anion derivatives. Proton NMR and electronic spectra. <i>Journal of the American Chemical Society</i> , 1985 , 107, 4391-4396	16.4	80
293	[Au ₂ (phen(2Me)) ₂ (EO) ₂](PF ₆) ₂ , a Novel Dinuclear Gold(III) Complex Showing Excellent Antiproliferative Properties. <i>ACS Medicinal Chemistry Letters</i> , 2010 , 1, 336-9	4.3	75
292	Rationalization of the inhibition activity of structurally related organometallic compounds against the drug target cathepsin B by DFT. <i>Dalton Transactions</i> , 2010 , 39, 5556-63	4.3	74
291	A comparative study of adduct formation between the anticancer ruthenium(III) compound HInd trans-[RuCl ₄ (Ind) ₂] and serum proteins. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1135-42	4.2	74
290	Reactions of gold(III) complexes with serum albumin. <i>FEBS Journal</i> , 2003 , 270, 4655-61		74
289	Determinants for Tight and Selective Binding of a Medicinal Dicarbene Gold(I) Complex to a Telomeric DNA G-Quadruplex: a Joint ESI MS and XRD Investigation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4256-9	16.4	73
288	Potential pathogenic role of beta-amyloid(1-42)-aluminum complex in Alzheimer's disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 731-46	5.6	73
287	Trace copper(II) or zinc(II) ions drastically modify the aggregation behavior of amyloid-beta1-42: an AFM study. <i>Journal of Alzheimer's Disease</i> , 2010 , 19, 1323-9	4.3	72
286	Antiangiogenic properties of selected ruthenium(III) complexes that are nitric oxide scavengers. <i>British Journal of Cancer</i> , 2003 , 88, 1484-91	8.7	72
285	Crystal structure and solution chemistry of the cytotoxic complex 1,2-dichloro(o-phenanthroline)gold(III) chloride. <i>Inorganica Chimica Acta</i> , 2000 , 311, 1-5	2.7	72
284	Coordination modes of histidine. 10. Iron(III) tyrosinate models. Synthesis and spectroscopic and stereochemical studies of iron(III) complexes of N-salicylidene-L-amino acids. <i>Inorganic Chemistry</i> , 1987 , 26, 1031-1038	5.1	72

283	A BINOL-based chiral polyammonium receptor for highly enantioselective recognition and fluorescence sensing of (S,S)-tartaric acid in aqueous solution. <i>Chemical Communications</i> , 2012 , 48, 10428-30	5.8	71
282	Biophysical characterisation of adducts formed between anticancer metallodrugs and selected proteins: new insights from X-ray diffraction and mass spectrometry studies. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 995-1006	4.2	71
281	Chelation therapy for neurodegenerative diseases. <i>Medicinal Research Reviews</i> , 2009 , 29, 547-70	14.4	69
280	Solution chemistry and cytotoxic properties of novel organogold(III) compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 6039-43	3.4	68
279	Synthesis, structural characterization, solution behavior, and in vitro antiproliferative properties of a series of gold complexes with 2-(2Ppyridyl)benzimidazole as ligand: comparisons of gold(III) versus gold(I) and mononuclear versus binuclear derivatives. <i>Inorganic Chemistry</i> , 2012 , 51, 3161-71	5.1	67
278	Iridium(I) Compounds as Prospective Anticancer Agents: Solution Chemistry, Antiproliferative Profiles and Protein Interactions for a Series of Iridium(I) N-Heterocyclic Carbene Complexes. <i>Chemistry - A European Journal</i> , 2016 , 22, 12487-94	4.8	66
277	The mode of action of anticancer gold-based drugs: a structural perspective. <i>Chemical Communications</i> , 2013 , 49, 10100-2	5.8	66
276	fac-{Ru(CO)(3)}(2+) selectively targets the histidine residues of the beta-amyloid peptide 1-28. Implications for new Alzheimer β disease treatments based on ruthenium complexes. <i>Inorganic Chemistry</i> , 2010 , 49, 4720-2	5.1	64
275	Chemistry and biology of two novel gold(I) carbene complexes as prospective anticancer agents. <i>Inorganic Chemistry</i> , 2014 , 53, 2396-403	5.1	63
274	Insights on the mechanism of thioredoxin reductase inhibition by gold N-heterocyclic carbene compounds using the synthetic linear selenocysteine containing C-terminal peptide hTrxR(488-499): an ESI-MS investigation. <i>Journal of Inorganic Biochemistry</i> , 2014 , 136, 161-9	4.2	62
273	Auranofin, EtPAuCl, and EtPAuI Are Highly Cytotoxic on Colorectal Cancer Cells: A Chemical and Biological Study. <i>ACS Medicinal Chemistry Letters</i> , 2017 , 8, 997-1001	4.3	62
272	The reaction of artemisinins with hemoglobin: a unified picture. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 2972-7	3.4	62
271	Copper and zinc dismetabolism in the mouse brain upon chronic cuprizone treatment. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 1502-13	10.3	62
270	Decomposition of ascorbic acid in the presence of cadmium ions leads to formation of a polymeric cadmium oxalate species with peculiar structural features. <i>Inorganic Chemistry</i> , 2002 , 41, 4312-4	5.1	59
269	Gold(III) compounds as potential antitumor agents: Cytotoxicity and DNA binding properties of some selected polyamine-gold(III) complexes. <i>Inorganica Chimica Acta</i> , 1998 , 281, 90-94	2.7	58
268	Reactivity of an antimetastatic organometallic ruthenium compound with metallothionein-2: relevance to the mechanism of action. <i>Metallomics</i> , 2009 , 1, 434-41	4.5	57
267	Stability of an organometallic ruthenium-ubiquitin adduct in the presence of glutathione: relevance to antitumour activity. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 2136-41	4.2	57
266	Protein Metalation by Anticancer Metallodrugs: A Joint ESI MS and XRD Investigative Strategy. <i>Chemistry - A European Journal</i> , 2017 , 23, 6942-6947	4.8	56

- 265 Modeling of copper(II) sites in proteins based on histidyl and glycylic residues. *Journal of Inorganic Biochemistry*, **2003**, 97, 299-307 4.2 55
- 264 The crystal structure of the complex between a disaccharide anthracycline and the DNA hexamer d(CGATCG) reveals two different binding sites involving two DNA duplexes. *Nucleic Acids Research*, **2003**, 31, 1464-9 20.1 55
- 263 Metal compounds as inhibitors of β -amyloid aggregation. Perspectives for an innovative metallotherapeutics on Alzheimer's disease. *Coordination Chemistry Reviews*, **2012**, 256, 2357-2366 23.2 54
- 262 Cisplatin binding to proteins: molecular structure of the ribonuclease A adduct. *Inorganic Chemistry*, **2014**, 53, 3929-31 5.1 53
- 261 Peculiar features in the crystal structure of the adduct formed between cis-PtI₂(NH₃)₂ and hen egg white lysozyme. *Inorganic Chemistry*, **2013**, 52, 13827-9 5.1 53
- 260 Gold(III) compounds as new family of anticancer drugs. *Bioinorganic Chemistry and Applications*, **2003**, 1, 177-87 4.2 53
- 259 Exploring the biochemical mechanisms of cytotoxic gold compounds: a proteomic study. *Journal of Biological Inorganic Chemistry*, **2010**, 15, 573-82 3.7 52
- 258 Reactions of medically relevant gold compounds with the C-terminal motif of thioredoxin reductase elucidated by MS analysis. *Chemical Communications*, **2010**, 46, 7001-3 5.8 51
- 257 Biological properties of two gold(III) complexes: AuCl₃(Hpm) and AuCl₂(pm). *Journal of Inorganic Biochemistry*, **1997**, 66, 103-9 4.2 51
- 256 The Interaction of the Antitumor Complexes Na[trans-RuCl₄(DMSO)(Im)] and Na[trans-RuCl₄(DMSO)(Ind)] With Apotransferrin: a Spectroscopic Study. *Metal-Based Drugs*, **1996**, 3, 1-9 51
- 255 Protein-binding Properties of two Antitumor Ru(III) Complexes to Human Apotransferrin and Apolactoferrin. *Metal-Based Drugs*, **1994**, 1, 169-73 51
- 254 Cisplatin encapsulation within a ferritin nanocage: a high-resolution crystallographic study. *Chemical Communications*, **2016**, 52, 4136-9 5.8 50
- 253 Ruthenium metalation of proteins: the X-ray structure of the complex formed between NAMI-A and hen egg white lysozyme. *Dalton Transactions*, **2014**, 43, 6128-31 4.3 50
- 252 Drug repositioning: auranofin as a prospective antimicrobial agent for the treatment of severe staphylococcal infections. *BioMetals*, **2014**, 27, 787-91 3.4 50
- 251 Molecular structure, solution chemistry and biological properties of the novel [ImH][trans-IrCl₄(Im)(DMSO)], (I) and of the orange form of [(DMSO)(2)H][trans-IrCl₄(DMSO)(2)], (II), complexes. *Journal of Inorganic Biochemistry*, **2003**, 95, 37-46 4.2 50
- 250 Binding of Antitumor Ruthenium(III) Complexes to Plasma Proteins. *Metal-Based Drugs*, **2000**, 7, 335-42 50
- 249 Insights into the molecular mechanisms of protein platination from a case study: the reaction of anticancer platinum(II) iminoethers with horse heart cytochrome c. *Biochemistry*, **2007**, 46, 12220-30 3.2 49
- 248 Interactions of two cytotoxic organotin(IV) compounds with calf thymus DNA. *Journal of Inorganic Biochemistry*, **2001**, 85, 297-300 4.2 49

247	Activity of rat cytosolic thioredoxin reductase is strongly decreased by trans-[bis(2-amino-5-methylthiazole)tetrachlororuthenate(III)]: first report of relevant thioredoxin reductase inhibition for a ruthenium compound. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 5871-4	8.3	48
246	Spectroscopic and potentiometric study of the SOD mimic system copper(II)/acetyl-L-histidylglycyl-L-histidylglycine. <i>Journal of Inorganic Biochemistry</i> , 2002 , 89, 181-90	4.2	48
245	Formation of titanium(IV) transferrin by reaction of human serum apotransferrin with titanium complexes. <i>FEBS Letters</i> , 1999 , 442, 157-61	3.8	48
244	Protein metalation by metal-based drugs: X-ray crystallography and mass spectrometry studies. <i>Chemical Communications</i> , 2017 , 53, 11622-11633	5.8	47
243	Antimalarial properties of green tea. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 353, 177-81	3.4	47
242	Speciation of metal-based nanomaterials in human serum characterized by capillary electrophoresis coupled to ICP-MS: a case study of gold nanoparticles. <i>Metallomics</i> , 2015 , 7, 1364-70	4.5	46
241	New platinum-oxicam complexes as anti-cancer drugs. Synthesis, characterization, release studies from smart hydrogels, evaluation of reactivity with selected proteins and cytotoxic activity in vitro. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 799-814	4.2	46
240	Ruthenium anticancer drugs and proteins: a study of the interactions of the ruthenium(III) complex imidazolium trans-[tetrachloro(dimethyl sulfoxide)(imidazole)ruthenate(III)] with hen egg white lysozyme and horse heart cytochrome c. <i>Journal of Biological Inorganic Chemistry</i> , 2007 , 12, 1107-17	3.7	46
239	Synthesis, structural characterization, solution chemistry, and preliminary biological studies of the ruthenium(III) complexes [TzH][trans-RuCl ₄ (Tz) ₂] and [TzH][trans-RuCl ₄ (DMSO)(Tz)].(DMSO), the thiazole analogues of antitumor ICR and NAMI-A. <i>Inorganic Chemistry</i> , 2004 , 43, 3863-70	5.1	45
238	¹ H-NMR studies on partially and fully reduced 2(4Fe-4S) ferredoxin from <i>Clostridium pasteurianum</i> . <i>FEBS Journal</i> , 1992 , 204, 831-9		45
237	Design, synthesis and characterisation of new chimeric ruthenium(II)-gold(I) complexes as improved cytotoxic agents. <i>Dalton Transactions</i> , 2015 , 44, 11067-76	4.3	44
236	Exploiting soft and hard X-ray absorption spectroscopy to characterize metallodrug/protein interactions: the binding of [trans-RuCl ₄ (Im)(dimethylsulfoxide)][ImH] (Im = imidazole) to bovine serum albumin. <i>Inorganic Chemistry</i> , 2008 , 47, 8629-34	5.1	44
235	Cytotoxicity and DNA binding properties of a chloro glycyLhistidinate gold(III) complex (GHAu). <i>Chemico-Biological Interactions</i> , 2000 , 125, 29-38	5	44
234	Comparison of the Antiproliferative Activity of Two Antitumour Ruthenium(III) Complexes With Their Apotransferrin and Transferrin-Bound Forms in a Human Colon Cancer Cell Line. <i>Metal-Based Drugs</i> , 1996 , 3, 15-23		44
233	Unusual structural features in the lysozyme derivative of the tetrakis(acetato)chloridodiruthenium(II,III) complex. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6172-5	16.4	43
232	Protein metalation by metal-based drugs: reactions of cytotoxic gold compounds with cytochrome c and lysozyme. <i>Journal of Biological Inorganic Chemistry</i> , 2012 , 17, 1293-302	3.7	43
231	Promising in Vitro anti-Alzheimer Properties for a Ruthenium(III) Complex. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 329-32	4.3	43
230	Proton NMR studies of the cobalt(II)-metallothionein system. <i>Journal of the American Chemical Society</i> , 1989 , 111, 7296-7300	16.4	43

229	Recent progress in the application of analytical techniques to anticancer metallodrug proteomics. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1120-1138	14.6	42
228	Simple and rapid physico-chemical methods to examine action of antimalarial drugs with hemin: its application to <i>Artemisia annua</i> constituents. <i>Life Sciences</i> , 2002 , 70, 769-78	6.8	42
227	Replacement of the Thiosugar of Auranofin with Iodide Enhances the Anticancer Potency in a Mouse Model of Ovarian Cancer. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 656-660	4.3	40
226	cis-Pt I ₂ (NH ₃) ₂ : a reappraisal. <i>Dalton Transactions</i> , 2015 , 44, 14896-905	4.3	40
225	Structural and solution chemistry, protein binding and antiproliferative profiles of gold(I)/(III) complexes bearing the saccharinato ligand. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 348-55	4.2	40
224	2D 1H NMR studies of oxidized 2(Fe ₄ S ₄) ferredoxin from <i>Clostridium pasteurianum</i> . <i>FEBS Letters</i> , 1991 , 289, 253-6	3.8	40
223	Antiproliferative effects of two gold(I)-N-heterocyclic carbene complexes in A2780 human ovarian cancer cells: a comparative proteomic study. <i>Oncotarget</i> , 2018 , 9, 28042-28068	3.3	40
222	Oxaliplatin vs. cisplatin: competition experiments on their binding to lysozyme. <i>Dalton Transactions</i> , 2015 , 44, 10392-8	4.3	39
221	Interactions of gold-based drugs with proteins: crystal structure of the adduct formed between ribonuclease A and a cytotoxic gold(III) compound. <i>Metallomics</i> , 2014 , 6, 233-6	4.5	39
220	Cytotoxic activity and protein binding through an unusual oxidative mechanism by an iridium(I)-NHC complex. <i>Chemical Communications</i> , 2015 , 51, 3151-3	5.8	39
219	Unravelling the chemical nature of copper cuprizone. <i>Dalton Transactions</i> , 2007 , 2112-4	4.3	39
218	Gold Complexes as Antitumor Agents 2004 , 385-424		39
217	Interaction of anticancer Ru(III) complexes with single stranded and duplex DNA model systems. <i>Dalton Transactions</i> , 2015 , 44, 13914-25	4.3	38
216	Exploring the reactions of Amyloid (A β) peptide 1-28 with Al(III) and Fe(III) ions. <i>Inorganic Chemistry</i> , 2011 , 50, 6865-7	5.1	38
215	Carbon-13 NMR study of the synergistic anion in transferrins. <i>Inorganic Chemistry</i> , 1986 , 25, 1782-1786	5.1	38
214	Solution NMR Structure of a Ligand/Hybrid-2-G-Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7102-7106	16.4	36
213	Interactions of carboplatin and oxaliplatin with proteins: Insights from X-ray structures and mass spectrometry studies of their ribonuclease A adducts. <i>Journal of Inorganic Biochemistry</i> , 2015 , 153, 136-142	4.2	36
212	Interactions of gold-based drugs with proteins: the structure and stability of the adduct formed in the reaction between lysozyme and the cytotoxic gold(III) compound Auoxo3. <i>Dalton Transactions</i> , 2014 , 43, 17483-8	4.3	36

211	The x-ray structure of the adduct between NAMI-A and carbonic anhydrase provides insights into the reactivity of this metallodrug with proteins. <i>ChemMedChem</i> , 2010 , 5, 1989-94	3-7	36
210	The combined activation of K3.1 and inhibition of K11.1/hERG1 currents contribute to overcome Cisplatin resistance in colorectal cancer cells. <i>British Journal of Cancer</i> , 2018 , 118, 200-212	8-7	36
209	The X-ray structure of the complex formed in the reaction between oxaliplatin and lysozyme. <i>Chemical Communications</i> , 2014 , 50, 8360-2	5-8	35
208	The molecular mechanisms of antimetastatic ruthenium compounds explored through DIGE proteomics. <i>Journal of Inorganic Biochemistry</i> , 2013 , 118, 94-9	4-2	35
207	fac-{Ru(CO) ₃ } ²⁺ -core complexes and design of metal-based drugs. synthesis, structure, and reactivity of Ru-thiazole derivative with serum proteins and absorption-release studies with acryloyl and silica hydrogels as carriers in physiological media. <i>Inorganic Chemistry</i> , 2007 , 46, 79-92	5-1	35
206	Study of ruthenium(II) complexes with anticancer drugs as ligands. Design of metal-based phototherapeutic agents. <i>Inorganic Chemistry</i> , 2003 , 42, 8038-52	5-1	35
205	Synthesis, molecular structure and solution chemistry of the iridium(III) complex imidazolium [trans(bisimidazole)tetrachloro iridate(III)] (IRIM). <i>Inorganica Chimica Acta</i> , 2001 , 312, 74-80	2-7	35
204	Size dependent biological profiles of PEGylated gold nanorods. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 6072-6080	7-3	34
203	Reactivity and biological properties of a series of cytotoxic PtI ₂ (amine) ₂ complexes, either cis or trans configured. <i>Inorganic Chemistry</i> , 2012 , 51, 1717-26	5-1	34
202	DOTAP/DOPE and DC-Chol/DOPE lipoplexes for gene delivery studied by circular dichroism and other biophysical techniques. <i>Biophysical Chemistry</i> , 2007 , 127, 213-20	3-5	34
201	Determinants for Tight and Selective Binding of a Medicinal Dicarbene Gold(I) Complex to a Telomeric DNA G-Quadruplex: a Joint ESI MS and XRD Investigation. <i>Angewandte Chemie</i> , 2016 , 128, 4328-4331	3-6	34
200	Cytotoxic properties of a new organometallic platinum(II) complex and its gold(I) heterobimetallic derivatives. <i>Dalton Transactions</i> , 2016 , 45, 579-90	4-3	33
199	Proteomic analysis of ovarian cancer cell responses to cytotoxic gold compounds. <i>Metallomics</i> , 2012 , 4, 307-14	4-5	33
198	The copper(II) coordination abilities of three novel cyclic tetrapeptides with -His-Xaa-His- motif. <i>Journal of Inorganic Biochemistry</i> , 2007 , 101, 452-60	4-2	33
197	Cytotoxicity, DNA damage, and cell cycle perturbations induced by two representative gold(III) complexes in human leukemic cells with different cisplatin sensitivity. <i>Oncology Research</i> , 2000 , 12, 361-70	4-8	33
196	Auranofin and its Analogues Show Potent Antimicrobial Activity against Multidrug-Resistant Pathogens: Structure-Activity Relationships. <i>ChemMedChem</i> , 2018 , 13, 2448-2454	3-7	33
195	Gold(III) complexes with 2-substituted pyridines as experimental anticancer agents: solution behavior, reactions with model proteins, antiproliferative properties. <i>Journal of Inorganic Biochemistry</i> , 2012 , 108, 123-7	4-2	32
194	Thallium-205 as an NMR probe for the investigation of transferrin. <i>Journal of the American Chemical Society</i> , 1983 , 105, 1347-1350	16.4	32

193	Platinum(II) Complexes with O,S Bidentate Ligands: Biophysical Characterization, Antiproliferative Activity, and Crystallographic Evidence of Protein Binding. <i>Inorganic Chemistry</i> , 2015 , 54, 8560-70	5.1	31
192	Reactions of Auranofin and Its Pseudohalide Derivatives with Serum Albumin Investigated through ESI-Q-TOF MS. <i>Inorganic Chemistry</i> , 2018 , 57, 10507-10510	5.1	31
191	Cytotoxic Profile and Peculiar Reactivity with Biomolecules of a Novel "Rule-Breaker" Iodidoplatinum(II) Complex. <i>ACS Medicinal Chemistry Letters</i> , 2010 , 1, 381-5	4.3	31
190	Peculiar mechanistic and structural features of the carboplatin-cytochrome c system revealed by ESI-MS analysis. <i>Journal of Biological Inorganic Chemistry</i> , 2008 , 13, 755-64	3.7	31
189	Structure and DNA binding properties of the gold(III) complex [AuCl ₂ (esal)]. <i>Inorganica Chimica Acta</i> , 1999 , 285, 309-312	2.7	31
188	PtI(DACH), the iodido analogue of oxaliplatin as a candidate for colorectal cancer treatment: chemical and biological features. <i>Dalton Transactions</i> , 2017 , 46, 3311-3317	4.3	30
187	Proteomic analysis of A2780/S ovarian cancer cell response to the cytotoxic organogold(III) compound Aubipy(c). <i>Journal of Proteomics</i> , 2014 , 103, 103-20	3.9	30
186	The X-ray structure of the primary adducts formed in the reaction between cisplatin and cytochrome c. <i>Chemical Communications</i> , 2015 , 51, 2559-61	5.8	30
185	ESI MS studies highlight the selective interaction of Auranofin with protein free thiols. <i>Dalton Transactions</i> , 2020 , 49, 5906-5913	4.3	30
184	NAMI-A is highly cytotoxic toward leukaemia cell lines: evidence of inhibition of KCa 3.1 channels. <i>Dalton Transactions</i> , 2014 , 43, 12150-5	4.3	29
183	Medicinal gold compounds form tight adducts with the copper chaperone Atox-1: biological and pharmacological implications. <i>Chemical Communications</i> , 2012 , 48, 11623-5	5.8	29
182	The copper(II) binding properties of the cyclic peptide c(HGHK). <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 2016-21	4.2	29
181	Selection and characterization of a human ovarian cancer cell line resistant to auranofin. <i>Oncotarget</i> , 2017 , 8, 96062-96078	3.3	29
180	A first-in-class and a fished out anticancer platinum compound: cis-[PtCl ₂ (NH ₃) ₂] and cis-[PtI ₂ (NH ₃) ₂] compared for their reactivity towards DNA model systems. <i>Dalton Transactions</i> , 2016 , 45, 8587-600	4.3	29
179	Mechanistic studies on two dinuclear organogold(III) compounds showing appreciable antiproliferative properties and a high redox stability. <i>Metallomics</i> , 2011 , 3, 1318-23	4.5	28
178	Outstanding plasmodicidal properties within a small panel of metallic compounds: Hints for the development of new metal-based antimalarials. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 310-2	4.2	28
177	Protein targets for anticancer gold compounds: mechanistic inferences. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2011 , 11, 929-39	2.2	28
176	Structural features of a new dinuclear platinum(II) complex with significant antiproliferative activity. <i>Inorganic Chemistry</i> , 2003 , 42, 6166-8	5.1	28

175	Molecular recognition of metal complexes by DNA: a comparative study of the interactions of the parent complexes [PtCl(TERPY)]Cl and [AuCl(TERPY)]Cl ₂ with double stranded DNA. <i>Bioinorganic Chemistry and Applications</i> , 2005 , 3, 239-53	4.2	28
174	Protein Recognition of Gold-Based Drugs: 3D Structure of the Complex Formed When Lysozyme Reacts with Aubipy(c.). <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 1110-3	4.3	27
173	Proteomic and metallomic strategies for understanding the mode of action of anticancer metallodrugs. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2010 , 10, 324-37	2.2	27
172	Investigation of the effects of copper ions on protein aggregation using a model system. <i>Cellular and Molecular Life Sciences</i> , 2004 , 61, 982-91	10.3	27
171	Interaction of a gold(i) dicarbene anticancer drug with human telomeric DNA G-quadruplex: solution and computationally aided X-ray diffraction analysis. <i>Dalton Transactions</i> , 2018 , 47, 16132-16138	4.3	27
170	A Role for Metal-Based Drugs in Fighting COVID-19 Infection? The Case of Auranofin. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 1067-1068	4.3	26
169	Novel platinum(II) compounds with O,S bidentate ligands: synthesis, characterization, antiproliferative properties and biomolecular interactions. <i>Dalton Transactions</i> , 2014 , 43, 3072-86	4.3	26
168	Ru-Based CO releasing molecules with azole ligands: interaction with proteins and the CO release mechanism disclosed by X-ray crystallography. <i>Dalton Transactions</i> , 2017 , 46, 9621-9629	4.3	26
167	Solution studies of the antitumor complex dichloro 1,2-propylenediaminetetraacetate ruthenium (III) and of its interactions with proteins. <i>Journal of Inorganic Biochemistry</i> , 1998 , 71, 45-51	4.2	26
166	New copper(II)/cyclic tetrapeptide system that easily oxidizes to copper(III) under atmospheric oxygen. <i>Inorganic Chemistry</i> , 2007 , 46, 10038-40	5.1	26
165	Spectral characterization of ruthenium (III) transferrin. <i>Journal of Inorganic Biochemistry</i> , 1993 , 49, 79-82	4.2	26
164	Mass spectrometry and metallomics: A general protocol to assess stability of metallodrug-protein adducts in bottom-up MS experiments. <i>Talanta</i> , 2017 , 167, 30-38	6.2	25
163	Arsenoplatin-1 Is a Dual Pharmacophore Anticancer Agent. <i>Journal of the American Chemical Society</i> , 2019 , 141, 6453-6457	16.4	25
162	Interactions between anticancer trans-platinum compounds and proteins: crystal structures and ESI-MS spectra of two protein adducts of trans-(dimethylamino)(methylamino)dichloridoplatinum(II). <i>Inorganic Chemistry</i> , 2014 , 53, 7806-8	5.1	25
161	Rapid purification of gold nanorods for biomedical applications. <i>MethodsX</i> , 2014 , 1, 118-123	1.9	25
160	Metal-based compounds as prospective antileishmanial agents: inhibition of trypanothione reductase by selected gold complexes. <i>ChemMedChem</i> , 2013 , 8, 1634-7	3.7	25
159	Structure, solution chemistry, antiproliferative actions and protein binding properties of non-conventional platinum(II) compounds with sulfur and phosphorus donors. <i>Dalton Transactions</i> , 2011 , 40, 2006-16	4.3	25
158	Impact of ring size on the copper(II) coordination abilities of cyclic tetrapeptides. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 813-7	4.2	25

157	Gold(III) complexes as a new family of cytotoxic and antitumor agents. <i>Expert Review of Anticancer Therapy</i> , 2002 , 2, 337-46	3.5	25
156	Structure-function relationships within Keppler-type antitumor ruthenium(III) complexes: the case of 2-aminothiazolium[trans-tetrachlorobis(2-aminothiazole)ruthenate(III)]. <i>Inorganic Chemistry</i> , 2005 , 44, 4897-9	5.1	24
155	{Ru(CO)}-Core complexes with benzimidazole ligands: synthesis, X-ray structure and evaluation of anticancer activity in vivo. <i>Dalton Transactions</i> , 2017 , 46, 3025-3040	4.3	23
154	Gold(III) complexes with hydroxyquinoline, aminoquinoline and quinoline ligands: Synthesis, cytotoxicity, DNA and protein binding studies. <i>Journal of Inorganic Biochemistry</i> , 2015 , 153, 339-345	4.2	23
153	Butyltin(IV) benzoates: inhibition of thioredoxin reductase, tumor cell growth inhibition, and interactions with proteins. <i>ChemMedChem</i> , 2013 , 8, 256-64	3.7	23
152	Chemistry and biology of three representative gold(III) compounds as prospective anticancer agents. <i>Inorganica Chimica Acta</i> , 2012 , 393, 115-124	2.7	23
151	Kinetic studies on metal removal from transferrins by pyrophosphate. Investigation on iron(III) and manganese(III) derivatives. <i>Inorganic Chemistry</i> , 1988 , 27, 2405-2409	5.1	23
150	Selected cytotoxic gold compounds cause significant inhibition of 20S proteasome catalytic activities. <i>Journal of Inorganic Biochemistry</i> , 2014 , 141, 79-82	4.2	22
149	2D-DIGE analysis of ovarian cancer cell responses to cytotoxic gold compounds. <i>Molecular BioSystems</i> , 2012 , 8, 985-93		22
148	X-ray absorption spectroscopy studies of the adducts formed between cytotoxic gold compounds and two major serum proteins. <i>Journal of Biological Inorganic Chemistry</i> , 2011 , 16, 491-9	3.7	22
147	Structure of a terbium(III)-quinizarine complex: the first crystallographic model for metalloanthracyclines. <i>Inorganic Chemistry</i> , 2003 , 42, 3157-9	5.1	22
146	Proton NMR spectra of the Co4S11 cluster in metallothioneins: a theoretical model. <i>Journal of the American Chemical Society</i> , 1989 , 111, 7300-7303	16.4	22
145	New gold carbene complexes as candidate anticancer agents. <i>BioMetals</i> , 2016 , 29, 905-11	3.4	22
144	Metallo therapeutics for COVID-19. Exploiting metal-based compounds for the discovery of new antiviral drugs. <i>Expert Opinion on Drug Discovery</i> , 2021 , 16, 39-46	6.2	22
143	A Fluorescent Silver(I) Carbene Complex with Anticancer Properties: Synthesis, Characterization, and Biological Studies. <i>ChemMedChem</i> , 2019 , 14, 182-188	3.7	22
142	Water-soluble Ru(II)- and Ru(III)-halide-PTA complexes (PTA=1,3,5-triaza-7-phosphaadamantane): Chemical and biological properties. <i>Journal of Inorganic Biochemistry</i> , 2016 , 160, 180-8	4.2	21
141	Synthesis, spectroscopic and DFT structural characterization of two novel ruthenium(III) oxicam complexes. In vivo evaluation of anti-inflammatory and gastric damaging activities. <i>Journal of Inorganic Biochemistry</i> , 2014 , 134, 25-35	4.2	21
140	Solution chemistry and DNA binding properties of MEN 10755, a novel disaccharide analogue of doxorubicin. <i>Bioorganic and Medicinal Chemistry</i> , 2001 , 9, 1815-25	3.4	21

139	Metal-induced conformational heterogeneity of transferrins: a spectroscopic study of indium(III) and other metal(III)-substituted transferrins. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 206, 161-70	3.4	21
138	Gold complexes in the treatment of rheumatoid arthritis. <i>Metal Ions in Biological Systems</i> , 2004 , 41, 279-304		21
137	Structural effects of titanium citrate on the human erythrocyte membrane. <i>Journal of Inorganic Biochemistry</i> , 2005 , 99, 764-70	4.2	20
136	Mechanistic Insights Into the Anticancer Properties of the Auranofin Analog Au(PEt)I: A Theoretical and Experimental Study. <i>Frontiers in Chemistry</i> , 2020 , 8, 812	5	20
135	The NAMI A - human ferritin system: a biophysical characterization. <i>Dalton Transactions</i> , 2018 , 47, 11429-11437	4.1	19
134	Structural Characterization of a Gold/Serum Albumin Complex. <i>Inorganic Chemistry</i> , 2019 , 58, 10616-10649	4.9	19
133	Cisplatin Binding Sites in Human H-Chain Ferritin. <i>Inorganic Chemistry</i> , 2017 , 56, 9064-9070	5.1	19
132	Proanthocyanidin glycosides from the leaves of <i>Quercus ilex</i> L. (Fagaceae). <i>Tetrahedron Letters</i> , 2009 , 50, 1771-1776	2	19
131	pH-dependent properties of cobalt(II) carboxypeptidase A-inhibitor complexes. <i>Biochemistry</i> , 1992 , 31, 3840-6	3.2	19
130	Gold compounds as cysteine protease inhibitors: perspectives for pharmaceutical application as antiparasitic agents. <i>BioMetals</i> , 2017 , 30, 313-320	3.4	18
129	Interactions of selected gold(III) complexes with DNA G quadruplexes. <i>Dalton Transactions</i> , 2015 , 44, 3633-9	4.3	18
128	{Ru(CO) _x }-core complexes with selected azoles: Synthesis, X-ray structure, spectroscopy, DFT analysis and evaluation of cytotoxic activity against human cancer cells. <i>Polyhedron</i> , 2014 , 81, 227-237	2.7	18
127	Solution behaviour and biomolecular interactions of two cytotoxic trans-platinum(II) complexes bearing aliphatic amine ligands. <i>Chemistry - A European Journal</i> , 2009 , 15, 9139-46	4.8	18
126	Crystallographic evidence for decomposition of dimethylformamide in the presence of ruthenium(III) chloride. <i>Inorganica Chimica Acta</i> , 2003 , 355, 420-423	2.7	18
125	A ¹ H NMR study of the complex of cobalt(II) with 2,5,8,11-tetramethyl-2,5,8,11-tetraazadodecane in aerated aqueous solutions. <i>Inorganica Chimica Acta</i> , 1995 , 235, 5-8	2.7	18
124	Antiproliferative properties and biomolecular interactions of three Pd(II) and Pt(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2016 , 165, 1-6	4.2	18
123	The fate of differently functionalized gold nanorods in human serum: A response from capillary electrophoresis-inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2017 , 1499, 222-225	4.5	17
122	Organogold(III) compounds as experimental anticancer agents: chemical and biological profiles. <i>BioMetals</i> , 2016 , 29, 863-72	3.4	17

121	The disaccharide anthracycline MEN 10755 binds human serum albumin to a non-classical drug binding site. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 3425-30	3.4	17
120	A novel class of peptides with facilitating action on neuronal nicotinic receptors of rat chromaffin cells in vitro: functional and molecular dynamics studies. <i>Molecular Pharmacology</i> , 2002 , 61, 43-54	4.3	17
119	Effects of two representative antitumor ruthenium(III) complexes on thermal denaturation profiles of DNA. <i>Inorganica Chimica Acta</i> , 2000 , 303, 283-286	2.7	17
118	Coordination compounds and life processes. <i>Coordination Chemistry Reviews</i> , 1992 , 120, 163-192	23.2	17
117	Selective interaction of ferricyanide with cluster I of <i>Clostridium pasteurianum</i> 2[Fe ₄ S ₄] ferredoxin. <i>FEBS Letters</i> , 1993 , 332, 268-72	3.8	17
116	Evidence of a metal-synergistic anion bond in thallium(III) transferrin. <i>Inorganic Chemistry</i> , 1988 , 27, 761-762	3.62	17
115	Reactions of Medicinal Gold(III) Compounds With Proteins and Peptides Explored by Electrospray Ionization Mass Spectrometry and Complementary Biophysical Methods. <i>Frontiers in Chemistry</i> , 2020 , 8, 581648	5	17
114	Structure-activity relationships in a series of auranofin analogues showing remarkable antiproliferative properties. <i>Journal of Inorganic Biochemistry</i> , 2020 , 208, 111079	4.2	17
113	Solution NMR Structure of a Ligand/Hybrid-2-G-Quadruplex Complex Reveals Rearrangements that Affect Ligand Binding. <i>Angewandte Chemie</i> , 2017 , 129, 7208-7212	3.6	16
112	A case of extensive protein platination: the reaction of lysozyme with a Pt(II)-terpyridine complex. <i>Dalton Transactions</i> , 2018 , 47, 8716-8723	4.3	16
111	Selected gold compounds cause pronounced inhibition of Falcipain 2 and effectively block <i>P. falciparum</i> growth in vitro. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 1576-9	4.2	16
110	Short-chain oligopeptides with copper(II) binding properties: The impact of specific structural modifications on the copper(II) coordination abilities. <i>Journal of Inorganic Biochemistry</i> , 2009 , 103, 678-88	4.2	16
109	Trans-cis-cis-[RuCl ₂ (DMSO) ₂ (2-amino-5-methyl-thiazole) ₂], (PMRu52), a novel ruthenium(II) compound acting as a strong inhibitor of cathepsin B. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 111-7	4.2	16
108	The C2 variant of human serum transferrin retains the iron binding properties of the native protein. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2005 , 1741, 264-70	6.9	16
107	A water 17O NMR study of the pH dependent properties of superoxide dismutase. <i>Biochemical and Biophysical Research Communications</i> , 1981 , 101, 577-83	3.4	16
106	Biological Properties of IRIM, the Iridium(III) Analogue of (Imidazolium (Bisimidazole) Tetrachlororuthenate) (ICR). <i>Metal-Based Drugs</i> , 2000 , 7, 195-200		16
105	Synthesis and Mode of Action Studies on Iridium(I) π -HC Anticancer Drug Candidates. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 2461-2470	2.3	16
104	The Deceptively Similar Ruthenium(III) Drug Candidates KP1019 and NAMI-A Have Different Actions. What Did We Learn in the Past 30 Years?. <i>Metal Ions in Life Sciences</i> , 2018 , 18,	2.6	15

103	Anticancer ruthenium(III) complex KP1019 interferes with ATP-dependent Ca ²⁺ translocation by sarco-endoplasmic reticulum Ca ²⁺ -ATPase (SERCA). <i>ChemMedChem</i> , 2014 , 9, 1660-4	3.7	15
102	Metallo-Drugs: Development and Action of Anticancer Agents 2018 ,		15
101	Reactions of cisplatin and cis-[PtI(NH)] with molecular models of relevant protein sidechains: A comparative analysis. <i>Journal of Inorganic Biochemistry</i> , 2020 , 209, 111096	4.2	15
100	Protein interactions of dirhodium tetraacetate: a structural study. <i>Dalton Transactions</i> , 2020 , 49, 2412-2416	4.16	15
99	A two-dimensional NMR study of Co(II)7 rabbit liver metallothionein. <i>FEBS Journal</i> , 1993 , 211, 235-40		14
98	Structural evidences for a secondary gold binding site in the hydrophobic box of lysozyme. <i>BioMetals</i> , 2015 , 28, 745-54	3.4	13
97	The cisplatin/serum albumin system: A reappraisal. <i>Inorganica Chimica Acta</i> , 2019 , 495, 118983	2.7	13
96	Spectrophotometric and ESI-MS/HPLC studies reveal a common mechanism for the reaction of various artemisinin analogues with hemin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003 , 13, 4055-7	2.9	13
95	Spectral characterization of vanadium-transferrin systems. <i>Journal of Inorganic Biochemistry</i> , 1985 , 25, 57-60	4.2	13
94	Cytotoxic effects of gold(III) complexes on established human tumor cell lines sensitive and resistant to cisplatin. <i>Anti-cancer Drug Design</i> , 1998 , 13, 67-80		13
93	Na/K-ATPase as a target for anticancer metal based drugs: insights into molecular interactions with selected gold(iii) complexes. <i>Metallomics</i> , 2017 , 9, 292-300	4.5	12
92	Elucidating the reactivity of Pt(II) complexes with (O,S) bidentate ligands towards DNA model systems. <i>Journal of Inorganic Biochemistry</i> , 2016 , 160, 198-209	4.2	12
91	Cell and Cell-Free Mechanistic Studies on Two Gold(III) Complexes with Proven Antitumor Properties. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 1737-1744	2.3	12
90	Cobalt(II) as an NMR probe for the investigation of the coordination sites of conalbumin. <i>FEBS Journal</i> , 1984 , 141, 375-8		12
89	The metal-binding properties of ovotransferrin. An investigation of cobalt(II) derivatives.. <i>Journal of Biological Chemistry</i> , 1986 , 261, 1139-1146	5.4	12
88	Induction of a Four-Way Junction Structure in the DNA Palindromic Hexanucleotide 5Pd(CGTCAG)-3Pby a Mononuclear Platinum Complex. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 9378-9382	16.4	11
87	Reactions of a tetranuclear Pt-thiosemicarbazone complex with model proteins. <i>Journal of Inorganic Biochemistry</i> , 2018 , 181, 11-17	4.2	11
86	Nitrate as a probe of cytochrome c surface: crystallographic identification of crucial "hot spots" for protein-protein recognition. <i>Journal of Inorganic Biochemistry</i> , 2014 , 135, 58-67	4.2	11

85	ESI-MS studies of the reactions of novel platinum(II) complexes containing O,OPchelated acetylacetonate and sulfur ligands with selected model proteins. <i>BioMetals</i> , 2017 , 30, 609-614	3.4	11
84	The pH dependent properties of metallothioneins: a comparative study. <i>BioMetals</i> , 1997 , 10, 303-13	3.4	11
83	Effect of nonsynergistic anions on copper transferrin. <i>Inorganic Chemistry</i> , 1988 , 27, 1081-1086	5.1	11
82	¹ H NMR detection of CoOH ²⁺ and CoOH interconversions in high-spin cobalt(II) complexes. <i>Inorganic Chemistry</i> , 1982 , 21, 3426-3429	5.1	11
81	Cisplatin and its dibromido analogue: a comparison of chemical and biological profiles. <i>BioMetals</i> , 2016 , 29, 535-42	3.4	11
80	¹ H-NMR investigation of the interaction of the amino terminal domain of the LexA repressor with a synthetic half-operator. <i>Journal of Biomolecular Structure and Dynamics</i> , 1991 , 9, 447-61	3.6	10
79	The metal-binding properties of ovotransferrin. An investigation of cobalt(II) derivatives. <i>Journal of Biological Chemistry</i> , 1986 , 261, 1139-46	5.4	10
78	Tuning the interactions of PEG-coated gold nanorods with BSA and model proteins through insertion of amino or carboxylate groups. <i>Journal of Inorganic Biochemistry</i> , 2015 , 150, 120-5	4.2	9
77	Proteomic analysis of the cytotoxic effects induced by the organogold(III) complex Aubipyc in cisplatin-resistant A2780 ovarian cancer cells: further evidence for the glycolytic pathway implication. <i>Molecular BioSystems</i> , 2015 , 11, 1653-67		9
76	Inhibition of Na(+)/K(+)-ATPase and cytotoxicity of a few selected gold(III) complexes. <i>Journal of Inorganic Biochemistry</i> , 2014 , 140, 228-35	4.2	9
75	Evidence that the antiproliferative effects of auranofin in <i>Saccharomyces cerevisiae</i> arise from inhibition of mitochondrial respiration. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 65, 61-71	5.6	9
74	Reactions of metallodrugs with proteins: selective binding of phosphane-based platinum(II) dichlorides to horse heart cytochrome c probed by ESI MS coupled to enzymatic cleavage. <i>Metallomics</i> , 2011 , 3, 987-90	4.5	9
73	Hypericins and thioredoxin reductase: Biochemical and docking studies disclose the molecular basis for effective inhibition by naphthodianthrones. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 631-41	3.4	9
72	Transferrin: from inorganic biochemistry to medicine. <i>Metal-Based Drugs</i> , 1994 , 1, 161-7		9
71	Synthesis, DNA binding studies, and antiproliferative activity of novel Pt(II)-complexes with an L-alanyl-based ligand. <i>Journal of Inorganic Biochemistry</i> , 2020 , 203, 110868	4.2	9
70	Alkyne Functionalization of a Photoactivated Ruthenium Polypyridyl Complex for Click-Enabled Serum Albumin Interaction Studies. <i>Inorganic Chemistry</i> , 2020 , 59, 7710-7720	5.1	8
69	The influence of auranofin, a clinically established antiarthritic gold drug, on bone metabolism: analysis of its effects on human multipotent adipose-derived stem cells, taken as a model. <i>Chemistry and Biodiversity</i> , 2008 , 5, 1513-20	2.5	8
68	Effects of chronic treatment with sodium tetrachloroaurate(III) in mice and membrane models. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 2080-6	4.2	8

67	EXAFS studies on the oxalate adduct of iron transferrin. <i>Journal of Inorganic Biochemistry</i> , 1992 , 46, 1-6	4.2	8
66	Interaction of phosphate and pyrophosphate with cobalt(II) carboxypeptidase. <i>Inorganic Chemistry</i> , 1990 , 29, 202-205	5.1	8
65	EXAFS investigation on the iron(III) binding sites of hen phosvitin. <i>Inorganic Chemistry</i> , 1990 , 29, 124-127	5.1	8
64	CD and EXAFS study of the interaction between phosvitin and copper(II) ions. <i>Journal of Inorganic Biochemistry</i> , 1988 , 34, 221-239	4.2	8
63	New platinum(II) and palladium(II) complexes with substituted terpyridine ligands: synthesis and characterization, cytotoxicity and reactivity towards biomolecules. <i>BioMetals</i> , 2019 , 32, 33-47	3.4	8
62	Gold complexes as antitumor agents. <i>Metal Ions in Biological Systems</i> , 2004 , 42, 385-424		8
61	The leading established metal-based drugs: a revisitiation of their relevant physico-chemical data. <i>BioMetals</i> , 2019 , 32, 813-817	3.4	7
60	Au ₂ trien: a dinuclear gold(III) complex with unprecedented structural features. <i>Chemical Communications</i> , 2002 , 612-3	5.8	7
59	The influence of oxo-bridged binuclear gold(III) complexes on Na/K-ATPase activity: a joint experimental and theoretical approach. <i>Journal of Biological Inorganic Chemistry</i> , 2017 , 22, 819-832	3.7	6
58	Reaction with Proteins of a Five-Coordinate Platinum(II) Compound. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
57	Reactions of model proteins with aurothiomalate, a clinically established gold(I) drug: The comparison with auranofin. <i>Journal of Inorganic Biochemistry</i> , 2015 , 149, 102-7	4.2	6
56	Synthesis, characterization and DNA interactions of [Pt(TPymT)Cl], the trinuclear platinum(II) complex of the TPymT ligand. <i>Journal of Inorganic Biochemistry</i> , 2018 , 183, 101-106	4.2	6
55	Structural and solution chemistry, antiproliferative effects, and serum albumin binding of three pseudohalide derivatives of auranofin. <i>BioMetals</i> , 2019 , 32, 939-948	3.4	6
54	Diruthenium Diacetate Catalysed Aerobic Oxidation of Hydroxylamines and Improved Chemoselectivity by Immobilisation to Lysozyme. <i>ChemCatChem</i> , 2017 , 9, 4225-4230	5.2	6
53	Design and solid phase synthesis of new DOTA conjugated (+)-biotin dimers planned to develop molecular weight-tuned avidin oligomers. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 3988-4001	3.9	6
52	EXAFS studies of Fe(III)-phosvitin at high metal to protein ratios. <i>BioMetals</i> , 1994 , 7, 104-8	3.4	6
51	Frontiers in 2D NMR of paramagnetic metalloproteins. <i>Applied Magnetic Resonance</i> , 1993 , 4, 461-476	0.8	6
50	Ytterbium(III) as a CD probe for the investigation of the metal binding sites of transferrins. <i>Inorganica Chimica Acta</i> , 1986 , 124, L15-L17	2.7	6

49	Kinetic and structural analysis of the inactivation of urease by mixed-ligand phosphine halide Ag(I) complexes. <i>Journal of Inorganic Biochemistry</i> , 2021 , 218, 111375	4.2	6
48	NMR reveals the metabolic changes induced by auranofin in A2780 cancer cells: evidence for glutathione dysregulation. <i>Dalton Transactions</i> , 2021 , 50, 6349-6355	4.3	6
47	Controlling with light the interaction between trans-tetrapyridyl ruthenium complexes and an oligonucleotide. <i>Dalton Transactions</i> , 2018 , 47, 507-516	4.3	6
46	[Au(9-methylcaffein-8-ylidene)] /DNA Tel23 System: Solution, Computational, and Biological Studies. <i>Chemistry - A European Journal</i> , 2017 , 23, 13784-13791	4.8	5
45	Influence of cis- and trans-diamminedichloroplatinum(II) binding on the helix-coil transition of DNAs with different GC content. <i>Inorganica Chimica Acta</i> , 1998 , 275-276, 510-514	2.7	5
44	Structural Investigation of Cisplatin-Protein Interactions: Selective Platination of His19 in a Cuprozinic Superoxide Dismutase. <i>Angewandte Chemie</i> , 2006 , 118, 1289-1291	3.6	5
43	¹ H NMR studies on lanthanides substituted transferrins. <i>Journal of Inorganic Biochemistry</i> , 1991 , 42, 185-190	4.0	5
42	Chlorido and bromido oxaliplatin analogues as potential agents for CRC treatment: Solution behavior, protein binding and cytotoxicity evaluation. <i>Inorganica Chimica Acta</i> , 2018 , 470, 318-324	2.7	5
41	On the Different Mode of Action of Au(I)/Ag(I)-NHC Bis-Anthracenyl Complexes Towards Selected Target Biomolecules. <i>Molecules</i> , 2020 , 25,	4.8	5
40	Native mass spectrometry of human carbonic anhydrase I and its inhibitor complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2020 , 25, 979-993	3.7	5
39	Protein Metalation by Inorganic Anticancer Drugs 2020 , 1-17		5
38	Potent in vitro antiproliferative properties for a triplatinum cluster toward triple negative breast cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2016 , 163, 318-322	4.2	5
37	Proteomics as a tool to disclose the cellular and molecular mechanisms of selected anticancer gold compounds. <i>Coordination Chemistry Reviews</i> , 2021 , 438, 213905	23.2	5
36	Induction of a Four-Way Junction Structure in the DNA Palindromic Hexanucleotide 5'-d(CGTACG)-3' by a Mononuclear Platinum Complex. <i>Angewandte Chemie</i> , 2019 , 131, 9478-9482	3.6	4
35	Reactions of cytotoxic metallodrugs with lysozyme in pure DMSO explored through UV-Vis absorption spectroscopy and ESI MS. <i>BioMetals</i> , 2015 , 28, 425-30	3.4	4
34	Leaf Decoction of Carica papaya Combined with Artesunate Prevents Recrudescence in Plasmodium berghei-Infected Mice. <i>Planta Medica</i> , 2019 , 85, 934-940	3.1	4
33	Antiplasmodial Effects of a few Selected Natural Flavonoids and their Modulation of Artemisinin Activity. <i>Natural Product Communications</i> , 2008 , 3, 1934578X0800301	0.9	4
32	Comparative Analysis of [Au(en)(2)] and [Pt(en)(2)] non Covalent Binding to Calf Thymus DNA. <i>Metal-Based Drugs</i> , 2000 , 7, 253-6		4

31	Antiproliferative Properties of a Few Auranofin-Related Gold(I) and Silver(I) Complexes in Leukemia Cells and their Interferences with the Ubiquitin Proteasome System. <i>Molecules</i> , 2020 , 25,	4.8	4
30	Anticancer effects against colorectal cancer models of chloro(triethylphosphine)gold(I) encapsulated in PLGA-PEG nanoparticles. <i>BioMetals</i> , 2021 , 34, 867-879	3.4	4
29	Protein metalation by two structurally related gold(I) carbene complexes: An ESI MS study. <i>Inorganica Chimica Acta</i> , 2021 , 520, 120297	2.7	4
28	Reactions with Proteins of Three Novel Anticancer Platinum(II) Complexes Bearing N-Heterocyclic Ligands. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
27	Medicinal Au(I) compounds targeting urease as prospective antimicrobial agents: unveiling the structural basis for enzyme inhibition. <i>Dalton Transactions</i> , 2021 , 50, 14444-14452	4.3	4
26	Interactions of the organogold(III) compound Aubipyc with the copper chaperone Atox1: a joint mass spectrometry and circular dichroism investigation. <i>BioMetals</i> , 2015 , 28, 1079-85	3.4	3
25	Unusual Structural Features in the Lysozyme Derivative of the Tetrakis(acetato)chloridodiruthenium(II,III) Complex. <i>Angewandte Chemie</i> , 2014 , 126, 6286-6289	3.6	3
24	Potential antitumor gold drugs:DFT and XANES studies of local atomic and electronic structure. <i>Journal of Physics: Conference Series</i> , 2009 , 190, 012210	0.3	3
23	The reaction of artemisinin with hemin: a further insight into the mechanism. <i>Inorganica Chimica Acta</i> , 2004 , 357, 4602-4606	2.7	3
22	Role of aminoacidic residues inside active sites of metalloproteins. <i>Pure and Applied Chemistry</i> , 1988 , 60, 1261-1266	2.1	3
21	Cyclodextrin Inclusion Complexes of Auranofin and Its Iodido Analog: A Chemical and Biological Study. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
20	The first step of arsenoplatin-1 aggregation in solution unveiled by solving the crystal structure of its protein adduct. <i>Dalton Transactions</i> , 2021 , 50, 68-71	4.3	3
19	The electrochemical profiles of Auranofin and Aubipy, two representative medicinal gold compounds: A comparative study. <i>Journal of Inorganic Biochemistry</i> , 2019 , 198, 110714	4.2	2
18	(S)-(+)-2-[2-(Biphenyl-2-yl)-1-methylethyl]-4,5-dihydro-1H-imidazolium hydrogen oxalate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005 , 61, o2376-o2378		2
17	The pH dependent spectral properties of Clostridium pasteurianum 2[Fe4S4] ferredoxin. <i>FEBS Letters</i> , 1994 , 350, 41-5	3.8	2
16	EXAFS studies on copper transferrin. <i>Journal of Inorganic Biochemistry</i> , 1992 , 48, 33-40	4.2	2
15	¹ H NMR studies on reduced high potential iron protein (HIPIP) from Chromatium Vinosum. <i>Applied Magnetic Resonance</i> , 1993 , 4, 477-489	0.8	2
14	Auranofin and its analogs as prospective agents for the treatment of colorectal cancer.. <i>Cancer Drug Resistance (Alhambra, Calif)</i> , 2022 , 5, 1-14	4.5	2

13	Transferrin: A Natural Carrier for Metal Ions and Drugs 1997 , 349-361		2
12	Ruthenium-Sulfoxide Complexes with a Specific Antimetastatic Activity 1997 , 457-466		2
11	Auphen and Auoxo6, Two Dinuclear Oxo-Bridged Gold(III) Compounds, Induce Apoptotic Signaling in Human Ovarian A2780 Cancer Cells. <i>Biomedicines</i> , 2021 , 9,	4.8	2
10	Cobalt(II) as a probe of the metal binding sites of transferrins. <i>Inorganica Chimica Acta</i> , 1990 , 174, 137-140	7	1
9	Ruthenium(II) 1,4,7-trithiacyclononane complexes of curcumin and bisdemethoxycurcumin: Synthesis, characterization, and biological activity. <i>Journal of Inorganic Biochemistry</i> , 2021 , 218, 111387	4.2	1
8	Conjugates of Gold Nanoparticles and Antitumor Gold(III) Complexes as a Tool for Their AFM and SERS Detection in Biological Tissue. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	1
7	Arsenoplatin-Ferritin Nanocage: Structure and Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
6	Redox proteome analysis of auranofin exposed ovarian cancer cells (A2780).. <i>Redox Biology</i> , 2022 , 52, 102294	11.3	1
5	A 1H NMR study of cobalt(II) arsanilazocarboxypeptidase A. <i>Journal of Inorganic Biochemistry</i> , 1989 , 35, 225-30	4.2	0
4	Comparative reactivity of medicinal gold(I) compounds with the cyclic peptide vasopressin and its diselenide analogue. <i>Dalton Transactions</i> , 2021 , 50, 17487-17490	4.3	0
3	Direct detection of iron clusters in L ferritins through ESI-MS experiments. <i>Dalton Transactions</i> , 2021 , 50, 16464-16467	4.3	0
2	Reactivity of CORM [RuII(CO)3Cl2{N3-(N1-methylbenzimidazole)}] with aminoacids. Synthesis, and analytical and structural study for the new binuclear cis-[RuI(CO)2(N3-MBI)(2-O,O-BAL)]2 sawhorse complex at solid state and in solution. <i>Journal of Molecular Structure</i> , 2019 , 1184, 479-486	3.4	
1	Time course of antioxidant enzymes in the paraquat-resistant and tolerant Heary fleabane (<i>Conyza bonariensis</i>) biotypes in response to ozone exposure and paraquat application. <i>International Journal of Biological and Chemical Sciences</i> , 2019 , 13, 802	0.3	