

# CITATION REPORT

List of articles citing

**Ni(II), Cu(II), and Zn(II) diethyldithiocarbamate complexes show various activities against the proteasome in breast cancer cells**

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#	Paper	IF	Citations
173	New platinum and ruthenium complexes--the latest class of potential chemotherapeutic drugs--a review of recent developments in the field. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2009</b> , 9, 1489-503	3.2	34
172	Copper in diseases and treatments, and copper-based anticancer strategies. <b>2010</b> , 30, 708-49		437
171	Metals in anticancer therapy: copper(II) complexes as inhibitors of the 20S proteasome. <b>2009</b> , 44, 4353-61		85
170	Comparative activities of nickel(II) and zinc(II) complexes of asymmetric [NNSO] ligands as 26S proteasome inhibitors. <b>2009</b> , 48, 5928-37		54
169	Failure of ditiocarb (diethyldithiocarbamate) therapy: was diet the reason?. <b>2009</b> , 7, 254		2
168	Novel metals and metal complexes as platforms for cancer therapy. <i>Current Pharmaceutical Design</i> , <b>2010</b> , 16, 1813-25	3.3	327
167	The Role of Copper Ion and the Ubiquitin System in Neurodegenerative Disorders. <b>2010</b> , 1-30		
166	Tumor cellular proteasome inhibition and growth suppression by 8-hydroxyquinoline and clioquinol requires their capabilities to bind copper and transport copper into cells. <b>2010</b> , 15, 259-69		104
165	Proteasome inhibitors: recent advances and new perspectives in medicinal chemistry. <b>2010</b> , 10, 232-56		100
164	Turning tumor-promoting copper into an anti-cancer weapon via high-throughput chemistry. <i>Current Medicinal Chemistry</i> , <b>2010</b> , 17, 2685-98	4.3	64
163	Proteasome inhibitors: Dozens of molecules and still counting. <b>2010</b> , 92, 1530-45		67
162	Targeting malignancies with disulfiram (Antabuse): multidrug resistance, angiogenesis, and proteasome. <b>2011</b> , 11, 332-7		57
161	Synthesis, spectroscopic characterization and antibacterial activity of antimony(III) bis(dialkyldithiocarbamate)alkyldithiocarbonates. <b>2011</b> , 81, 417-23		16
160	Synthesis, X-ray structure and cytotoxic effect of nickel(II) complexes with pyrazole ligands. <b>2011</b> , 46, 5917-26		22
159	Methomyl Detection by Inhibition of Laccase Using a Carbon Ceramic Biosensor. <b>2011</b> , 23, 1623-1630		15
158	Author's reply to: Multiple human papillomavirus genotype infections in cervical cancer progression in the study to understand cervical cancer early endpoints and determinants. <b>2011</b> , 129, 1283-5		1
157	Antabuse repurposing: We need more knowledge and wide international support. <b>2011</b> , 129, 1286-1287		3

156	Antabuse (disulfiram) as an affordable and promising anticancer drug. <b>2011</b> , 129, 1285-6; author reply 1286-7		9
155	Crystallographic analysis of metal-ion binding to human ubiquitin. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 1569-78	4.8	20
154	Photochemical processes for dithiocarbamate metal complexes. Photochemistry of Ni(II)(n-Bu <sub>2</sub> NCS <sub>2</sub> ) <sub>2</sub> complex in CCl <sub>4</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 220, 164-172	4.7	5
153	Anagostic interactions, revisiting the crystal structure of nickel dithiocarbamate complex and its antibacterial and antifungal studies. <i>Polyhedron</i> , <b>2011</b> , 30, 33-40	2.7	43
152	Biomonitoring of methomyl pesticide by laccase inhibition on sensor containing platinum nanoparticles in ionic liquid phase supported in montmorillonite. <b>2011</b> , 155, 331-339		57
151	Metal-based inhibitors of protein tyrosine phosphatases. <b>2011</b> , 11, 164-71		30
150	Noble metal-dithiocarbamates precious allies in the fight against cancer. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2012</b> , 12, 1216-29	3.2	53
149	Diethyldithiocarbamate complex with copper: the mechanism of action in cancer cells. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2012</b> , 12, 1184-92	3.2	55
148	Metal-dithiocarbamate complexes: chemistry and biological activity. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2012</b> , 12, 1202-15	3.2	170
147	Zinc(II) complexes with dithiocarbamate derivatives: structural characterisation and biological assays on cancerous cell lines. <i>Journal of Inorganic Biochemistry</i> , <b>2012</b> , 117, 131-9	4.2	36
146	Synthesis, characterization, and antibacterial and anticancer screening of {M(2+)-Co (3+)-M (2+)} and {Co (3+)-M (2+)} (M is Zn, Cd, Hg) heterometallic complexes. <b>2012</b> , 17, 1217-30		26
145	Coinage metal complexes against breast cancer. <i>Current Medicinal Chemistry</i> , <b>2012</b> , 19, 3949-56	4.3	47
144	Syntheses, crystal structures and anticancer activities of three novel transition metal complexes with Schiff base derived from 2-acetylpyridine and l-tryptophan. <b>2012</b> , 22, 68-72		74
143	Proteasome inhibitors. <b>2012</b> , 109, 161-226		24
142	Association of metals and proteasome activity in erythrocytes of prostate cancer patients and controls. <b>2012</b> , 149, 5-9		10
141	New applications of old metal-binding drugs in the treatment of human cancer. <b>2012</b> , 4, 375-91		14
140	Anticancer dirhodium(II,II) carboxylates as potent inhibitors of ubiquitin-proteasome system. <b>2012</b> , 3, 1785		25
139	Disulfiram, an old drug with new potential therapeutic uses for human hematological malignancies. <b>2012</b> , 131, 2197-203		58

138	Nonprofit drugs as the salvation of the world's healthcare systems: the case of Antabuse (disulfiram). <b>2012</b> , 17, 409-12			69
137	Coordination polymer of zinc based on chiral non-racemic trans-N,N'-bis-(2-hydroxy-1-naphthaldehyde)-(1R,2R)-cyclohexanediamine: Synthesis, crystal structure, novel coordinational models and anticancer activity. <b>2012</b> , 15, 167-171			11
136	A novel copper complex induces paraptosis in colon cancer cells via the activation of ER stress signalling. <b>2012</b> , 16, 142-51			106
135	Bis(Diethyldithiocarbamate)Antimony(III) Derivatives with Oxygen- and Sulfur-Donor Ligands: Synthesis, ESI-Mass, and Spectral Characterization. <b>2013</b> , 188, 1713-1722			11
134	DFT: B3LYP/6-311G (d, p) vibrational analysis of bis-(diethyldithiocarbamate)zinc(II) and natural bond orbitals. <b>2013</b> , 105, 251-8			19
133	Synthesis, structure, interaction with DNA and cytotoxicity of a luminescent copper(II) complex with a hydrazone ligand. <i>Polyhedron</i> , <b>2013</b> , 51, 228-234	2.7		27
132	Recent advances in proteasome inhibitor discovery. <b>2013</b> , 8, 537-68			10
131	Synthesis and evaluation of copper complexes of Schiff-base condensates from 5-substituted-2-hydroxybenzaldehyde and 2-substituted-benzenamine as selective inhibitors of protein tyrosine phosphatases. <i>Inorganica Chimica Acta</i> , <b>2013</b> , 405, 91-97	2.7		7
130	Photophysics of bis(ethylxanthato)nickel(II) [Ni(EtOCS <sub>2</sub> ) <sub>2</sub> ] complex studied by femtosecond pump-probe spectroscopy. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 251, 57-62	4.7		3
129	A conceptually new treatment approach for relapsed glioblastoma: coordinated undermining of survival paths with nine repurposed drugs (CUSP9) by the International Initiative for Accelerated Improvement of Glioblastoma Care. <i>Oncotarget</i> , <b>2013</b> , 4, 502-30	3.3		131
128	Synthesis, supramolecular self-organization, and thermal behavior of the heteropolynuclear complex ([H <sub>3</sub> O][Au{S <sub>2</sub> CN(CH <sub>2</sub> ) <sub>6</sub> } <sub>2</sub> ][Au <sub>2</sub> {S <sub>2</sub> CN(CH <sub>2</sub> ) <sub>6</sub> } <sub>4</sub> ][ZnCl <sub>4</sub> ] <sub>2</sub> ) <sub>n</sub> . <i>Journal of Structural Chemistry</i> , <b>2014</b> , 55, 901-909	0.9		7
127	Femtosecond spectroscopy of the dithiolate Cu(II) and Ni(II) complexes. <b>2014</b> , 43, 17766-74			7
126	Interactive effects of CO <sub>2</sub> and trace metals on the proteasome activity and cellular stress response of marine bivalves <i>Crassostrea virginica</i> and <i>Mercenaria mercenaria</i> . <b>2014</b> , 149, 65-82			71
125	Inhibition of the 26S proteasome as a possible mechanism for toxicity of heavy metal species. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 132, 96-103	4.2		3
124	Synthesis, characterization, and antitumor activities of new palladium(II) complexes with 1-(alkyldithiocarbonyl)-imidazoles. <i>Journal of Coordination Chemistry</i> , <b>2014</b> , 67, 461-469	1.6		13
123	Synthetic aspects, spectral, thermal studies and antimicrobial screening on bis(N,N-dimethyldithiocarbamate-S,S')antimony(III) complexes with oxo or thio donor ligands. <b>2014</b> , 130, 230-7			7
122	Synthesis, crystallographic characterization and electrochemical property of a copper(II) complex of the anticancer agent elesclomol. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 130, 69-73	4.2		11
121	Advances in copper complexes as anticancer agents. <b>2014</b> , 114, 815-62			1075

120	Selective anticancer copper(II)-mixed ligand complexes: targeting of ROS and proteasomes. <b>2014</b> , 6, 892-906		63
119	Proteasome inhibitor patents (2010 - present). <b>2014</b> , 24, 369-82		2
118	Diethyldithiocarbamate complexes with metals used as food supplements show different effects in cancer cells. <b>2014</b> , 12, 301-308		14
117	The proteasomes of two marine decapod crustaceans, European lobster ( <i>Homarus gammarus</i> ) and Edible crab ( <i>Cancer pagurus</i> ), are differently impaired by heavy metals. <b>2014</b> , 162, 62-9		6
116	Chiral anionic binuclear zinc complexes based on diaminocyclohexane ligand and their in vitro antiproliferative studies. <b>2014</b> , 46, 73-80		11
115	Patent Highlights. <b>2014</b> , 3, 31-38		
114	Metal-based 2,3-indolinedione derivatives as proteasome inhibitors and inducers of apoptosis in human cancer cells. <b>2014</b> , 34, 870-9		13
113	HIF-1 $\beta$ upregulation due to Depletion of the Free Ubiquitin Pool. <b>2015</b> , 30, 1388-95		4
112	Novel use of old drug: Anti-rheumatic agent auranofin overcomes imatinib-resistance of chronic myeloid leukemia cells. <b>2014</b> , 1,		8
111	Cefepime, a fourth-generation cephalosporin, in complex with manganese, inhibits proteasome activity and induces the apoptosis of human breast cancer cells. <b>2015</b> , 36, 1143-50		10
110	Disulfiram-induced cytotoxicity and endo-lysosomal sequestration of zinc in breast cancer cells. <b>2015</b> , 93, 332-42		42
109	Crystal structure and catalytic activity of ruthenium (II)/dithiocarbamate complexes in the epoxidation of cyclooctene. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 429, 237-242	2.7	8
108	Deubiquitinases (DUBs) and DUB inhibitors: a patent review. <b>2015</b> , 25, 1191-1208		72
107	Molecular mechanisms of apoptosis and cell selectivity of zinc dithiocarbamates functionalized with hydroxyethyl substituents. <i>Journal of Inorganic Biochemistry</i> , <b>2015</b> , 150, 48-62	4.2	33
106	The Role of Disulfiram in Alcohol Metabolism and the Treatment of Alcoholism. <b>2015</b> , 191-206		3
105	Five water-soluble zwitterionic copper(II)-carboxylate polymers: role of dipyriddy coligands in enhancing the DNA-binding, cleaving and anticancer activities. <b>2015</b> , 44, 13369-77		23
104	Supramolecular compounds of azo dyes derived from 1-phenylazo-2-naphthol and their nickel and copper complexes. <b>2015</b> , 27, 13-20		9
103	A novel proteasome inhibitor suppresses tumor growth via targeting both 19S proteasome deubiquitinases and 20S proteolytic peptidases. <i>Scientific Reports</i> , <b>2014</b> , 4, 5240	4.9	48

102	Copper Ion Attenuated the Antiproliferative Activity of Di-2-pyridylhydrazone Dithiocarbamate Derivative; However, There Was a Lack of Correlation between ROS Generation and Antiproliferative Activity. <i>Molecules</i> , <b>2016</b> , 21,	4.8	15
101	Nanoscale Reaction Vessels Designed for Synthesis of Copper-Drug Complexes Suitable for Preclinical Development. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153416	3.7	31
100	Platinum-containing compound platinum pyrithione is stronger and safer than cisplatin in cancer therapy. <b>2016</b> , 116, 22-38		28
99	Using an Old Drug to Target a New Drug Site: Application of Disulfiram to Target the Zn-Site in HCV NS5A Protein. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 3856-62	16.4	26
98	A novel nickel complex works as a proteasomal deubiquitinase inhibitor for cancer therapy. <b>2016</b> , 35, 5916-5927		47
97	PRCosomes: pretty reactive complexes formed in liposomes. <b>2016</b> , 24, 787-796		12
96	The comparative effects of diethyldithiocarbamate-copper complex with established proteasome inhibitors on expression levels of CYP1A2/3A4 and their master regulators, aryl hydrocarbon and pregnane X receptor in primary cultures of human hepatocytes. <b>2016</b> , 30, 585-595		4
95	Crystal structures of a copper(II) and the isotypic nickel(II) and palladium(II) complexes of the ligand (E)-1-[(2,4,6-tri-bromo-phen-yl)diazen-yl]naphthalen-2-ol. <b>2016</b> , 72, 1093-8		3
94	Non-bonding interactions and non-covalent delocalization effects play a critical role in the relative stability of group 12 complexes arising from interaction of diethanoldithiocarbamate with the cations of transition metals Zn(II), Cd(II), and Hg(II): a theoretical study. <b>2016</b> , 22, 155		
93	Enhanced anti-cancer activities of a gold(III) pyrrolidinedithiocarbamate complex incorporated in a biodegradable metal-organic framework. <i>Journal of Inorganic Biochemistry</i> , <b>2016</b> , 163, 1-7	4.2	14
92	Antioxidant, DNA interaction, VEGFR2 kinase, topoisomerase I and in vitro cytotoxic activities of heteroleptic copper(II) complexes of tetrazolo[1,5-a]pyrimidines and diimines. <b>2016</b> , 68, 366-382		26
91	Structural characterization and preliminary decomposition study of four unsymmetrically substituted nickel dithiocarbamate complexes. <i>Journal of Coordination Chemistry</i> , <b>2016</b> , 69, 90-102	1.6	5
90	Copper diethyldithiocarbamate as an activator of Nrf2 in cultured vascular endothelial cells. <b>2016</b> , 21, 263-73		20
89	Synthesis and Characterization of a Walnut Peptides-Zinc Complex and Its Antiproliferative Activity against Human Breast Carcinoma Cells through the Induction of Apoptosis. <b>2016</b> , 64, 1509-19		43
88	A phase I study to repurpose disulfiram in combination with temozolomide to treat newly diagnosed glioblastoma after chemoradiotherapy. <b>2016</b> , 128, 259-66		37
87	Syntheses, characterization, antibacterial activity and molecular modelling of phenylantimony(III) heteroleptic derivatives containing substituted oximes and piperidine dithiocarbamate. <i>Applied Organometallic Chemistry</i> , <b>2017</b> , 31, e3725	3.1	2
86	Aspartate aminotransferase is potently inhibited by copper complexes: Exploring copper complex-binding proteome. <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 170, 46-54	4.2	2
85	Synthesis, spectroscopic and structural studies of new azo dyes metal[thelates derived from 1-phenil-azo-2-naphthol. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1146, 50-56	3.4	7

84	Effect of functionalities on the crystal structures of new zinc(II) dithiocarbamates: a combined anti-leishmanial and thermal decomposition study. <i>CrystEngComm</i> , <b>2017</b> , 19, 2660-2672	3.3	17
83	Metal-based proteasomal deubiquitinase inhibitors as potential anticancer agents. <b>2017</b> , 36, 655-668		28
82	Targeting the ubiquitin-proteasome system for cancer treatment: discovering novel inhibitors from nature and drug repurposing. <b>2017</b> , 36, 717-736		59
81	Disulfiram is a slow-binding partial noncompetitive inhibitor of 20S proteasome activity. <b>2017</b> , 633, 23-28		8
80	Synthesis, characterization, DNA binding and cleavage activity of homoleptic zinc(II) bisodithioester chelate complexes. <i>Journal of Coordination Chemistry</i> , <b>2017</b> , 70, 3171-3185	1.6	5
79	Copper (II) complexes of bidentate ligands exhibit potent anti-cancer activity regardless of platinum sensitivity status. <b>2017</b> , 35, 682-690		18
78	Alcohol-abuse drug disulfiram targets cancer via p97 segregase adaptor NPL4. <b>2017</b> , 552, 194-199		320
77	One-Dimensional Helical Metal Coordination Polymer: Synthesis and Structure of Infinite Chain of [Ag7(S2CNEt2)6] +n (as [SbF6] salt) Composed of Ag6(S2CNEt2)6 Cluster Units Linked by Ag(I) Ions via Peculiar Chelating SB Bites. <b>2017</b> , 28, 1163-1178		1
76	A Perspective - can copper complexes be developed as a novel class of therapeutics?. <b>2017</b> , 46, 10758-10773		97
75	Disulfiram overcomes bortezomib and cytarabine resistance in Down-syndrome-associated acute myeloid leukemia cells. <b>2017</b> , 36, 22		26
74	Crystal structure of bis-[(2-hydroxy-ethyl)-methyl-dithio-carbamato-κ(pyridine)-zinc(II) pyridine monosolvate and its -ethyl analogue. <b>2017</b> , 73, 1246-1251		3
73	Interaction between Diethyldithiocarbamate and Cu(II) on Gold in Non-Cyanide Wastewater. <i>Sensors</i> , <b>2017</b> , 17,	3.8	10
72	Antiproliferative activity of di-2-pyridylhydrazone dithiocarbamate acetate partly involved in p53 mediated apoptosis and autophagy. <i>International Journal of Oncology</i> , <b>2017</b> , 51, 1909-1919	4.4	7
71	Development and optimization of an injectable formulation of copper diethyldithiocarbamate, an active anticancer agent. <i>International Journal of Nanomedicine</i> , <b>2017</b> , 12, 4129-4146	7.3	37
70	Time dependent-density functional theory (TD-DFT) and experimental studies of UV/visible spectra and cyclic voltammetry for Cu(II) complex with Et2DTC. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1157, 463-468	3.4	3
69	Functionalized zinc(II) dithiocarbamate complexes: Synthesis, spectral and molecular structures of bis(N-cyclopropyl-N-4-methoxybenzylidithiocarbamato-S,S')zinc(II) and (2,2'-bipyridine)bis(N-cyclopropyl-N-4-methoxybenzylidithiocarbamato-S,S')zinc(II). <i>Journal of Saudi Chemical Society</i> , <b>2018</b> , 22, 527-537	4.3	5
68	Cadmium pyrithione suppresses tumor growth in vitro and in vivo through inhibition of proteasomal deubiquitinase. <i>BioMetals</i> , <b>2018</b> , 31, 29-43	3.4	6
67	Synthesis and Characterization Studies of Cobalt(II), Nickel(II), Copper(II) and Zinc(II) Complexes of Carboxymethyl-N-Methyl-N-Phenyl Dithiocarbamate. <i>Oriental Journal of Chemistry</i> , <b>2018</b> , 34, 3064-3069	0.8	5



66	Two novel metal coordination polymers: anticancer activity against human osteogenic sarcoma cells. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2018</b> , 48, 377-381	1.2	1
65	Trace element concentrations in breast cancer patients. <i>Breast</i> , <b>2018</b> , 42, 142-149	3.6	11
64	A General Approach to Site-Specific, Intramolecular C <sub>3</sub> H Functionalization Using Dithiocarbamates. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 13290-13293	3.6	17
63	A Chemosensitizer Drug: Disulfiram Prevents Doxorubicin-Induced Cardiac Dysfunction and Oxidative Stress in Rats. <i>Cardiovascular Toxicology</i> , <b>2018</b> , 18, 459-470	3.4	13
62	A General Approach to Site-Specific, Intramolecular C-H Functionalization Using Dithiocarbamates. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13106-13109	16.4	39
61	Discovering proteasomal deubiquitinating enzyme inhibitors for cancer therapy: lessons from rational design, nature and old drug reposition. <i>Future Medicinal Chemistry</i> , <b>2018</b> , 10, 2087-2108	4.1	14
60	Enhanced Tumor-Specific Disulfiram Chemotherapy by Cu Chelation-Initiated Nontoxicity-to-Toxicity Transition. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 11531-11539	16.4	134
59	Synthesis and structural studies of nickel(II)- and copper(II)-N,N'-diarylformamidine dithiocarbamate complexes as antimicrobial and antioxidant agents. <i>Polyhedron</i> , <b>2019</b> , 170, 712-722	2.7	34
58	Enhanced Copper-Temozolomide Interactions by Protein for Chemotherapy against Glioblastoma Multiforme. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 41935-41945	9.5	9
57	Synthesis and characterization of Ni(II) complexes with functionalized dithiocarbamates: New single source precursors for nickel sulfide and nickel-iron sulfide nanoparticles. <i>Inorganica Chimica Acta</i> , <b>2019</b> , 498, 119162	2.7	14
56	Anticancer study of heterobimetallic platinum(II)-ruthenium(II) and platinum(II)-rhodium(III) complexes with bridging dithiooxamide ligand. <i>Journal of Organometallic Chemistry</i> , <b>2019</b> , 900, 120918	2.3	11
55	Photochemistry of dithiophosphate Ni(S <sub>2</sub> P(i-Bu) <sub>2</sub> ) <sub>2</sub> complex in CCl <sub>4</sub> . Transient species and TD-DFT calculations. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 381, 111857	4.7	1
54	Three New Metal-Organic Coordination Complexes: Crystal Structures and Anticancer Activity in Multiple Myeloma. <i>Journal of Structural Chemistry</i> , <b>2019</b> , 60, 838-844	0.9	1
53	Synthesis, solution behaviour and potential anticancer activity of new trinuclear organometallic palladium(II) complex of {S}-1-phenylethyl dithiooxamide: Comparison with the trinuclear heterobimetallic platinum(II) analogue. <i>Polyhedron</i> , <b>2019</b> , 164, 195-201	2.7	7
52	Anti-alcohol abuse drug disulfiram inhibits human PHGDH via disruption of its active tetrameric form through a specific cysteine oxidation. <i>Scientific Reports</i> , <b>2019</b> , 9, 4737	4.9	27
51	Synthesis and evaluation of Zn(II) dithiocarbamate complexes as potential antibacterial, antibiofilm, and antitumor agents. <i>Journal of Coordination Chemistry</i> , <b>2019</b> , 72, 3338-3358	1.6	9
50	Synthesis of 2-hydroxyethyl dibutyldithiocarbamate and its adsorption mechanism on chalcopyrite. <i>Applied Surface Science</i> , <b>2019</b> , 476, 460-467	6.7	20
49	A new gold(I) complex-Au(PPh) <sub>3</sub> PT is a deubiquitinase inhibitor and inhibits tumor growth. <i>EBioMedicine</i> , <b>2019</b> , 39, 159-172	8.8	8



48	New macrocyclic Cu(II) complex with bridge terephthalate: Synthesis, spectral properties, in vitro cytotoxic and antimicrobial activity. Comparison with related complexes. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1184, 41-48	3.4	5
47	Synthesis of the first mixed ligand Mn (II) and Cd (II) complexes of 4-methoxy-pyridine-2-carboxylic acid, molecular docking studies and investigation of their anti-tumor effects in vitro. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5416	3.1	10
46	Apo ferritin as a Carrier of Cu(II) Diethyldithiocarbamate and Biomedical Application for Glutathione-Responsive Combination Chemotherapy.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 654-663	4.1	9
45	Novel dithiocarbamateHg(II) complexes containing mixed ligands: Synthesis, spectroscopic characterization, and H <sub>2</sub> storage capacity. <i>Journal of the Chinese Chemical Society</i> , <b>2020</b> , 67, 775-781	1.5	13
44	Nanotechnological approaches in cancer: the role of celecoxib and disulfiram. <b>2020</b> , 353-393		1
43	Antitumor Activity of Pt(II), Ru(III) and Cu(II) Complexes. <i>Molecules</i> , <b>2020</b> , 25,	4.8	9
42	Diethyldithiocarbamate-copper nanocomplex reinforces disulfiram chemotherapeutic efficacy through light-triggered nuclear targeting. <i>Theranostics</i> , <b>2020</b> , 10, 6384-6398	12.1	11
41	The remarkable propensity for the formation of C-H...N (chelate ring) interactions in the crystals of the first-row transition metal dithiocarbamates and the supramolecular architectures they sustain. <i>CrystEngComm</i> , <b>2020</b> , 22, 7308-7333	3.3	13
40	Binuclear and tetranuclear Zn(ii) complexes with thiosemicarbazones: synthesis, X-ray crystal structures, ATP-sensing, DNA-binding, phosphatase activity and theoretical calculations.. <i>RSC Advances</i> , <b>2020</b> , 10, 12735-12746	3.7	3
39	Co(III) N,N'-diarylformamidinium dithiocarbamate complexes: Synthesis, characterization, crystal structures and biological studies. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5610	3.1	15
38	Synthesis, spectroscopic characterization, crystal structure and theoretical investigation of two azo-palladium (II) complexes derived from substituted (1-phenylazo)-2-naphthol. <i>Transition Metal Chemistry</i> , <b>2021</b> , 46, 91-101	2.1	1
37	Repurposing old drugs as new inhibitors of the ubiquitin-proteasome pathway for cancer treatment. <i>Seminars in Cancer Biology</i> , <b>2021</b> , 68, 105-122	12.7	11
36	Tuning Nanosiliceous Framework for Enhanced Cancer Theranostic Applications. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000218	4.9	3
35	A combined experimental and theoretical rationalization of an unusual zinc(II)-mediated conversion of 18-membered Schiff-base macrocycles to 18-membered imineimine macrocycles with imidazolidine side rings: an investigation of their bio-relevant catalytic activities. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 2550-2562	3.6	2
34	Synthesis, characterization, and biological studies of some biometal complexes. <i>Future Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 7,	2.1	1
33	Targeting Ubiquitin-Proteasome System With Copper Complexes for Cancer Therapy. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 649151	5.6	5
32	Structural and biological characterization of anticancer nickel(II) bis(benzimidazole) complex. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 217, 111395	4.2	3
31	In-situ drug generation and controllable loading: rational design of copper-based nanosystems for chemo-photothermal cancer therapy. <i>Chemical Engineering Journal</i> , <b>2021</b> , 409, 128222	14.7	21

30	Exploring the Potential of Metallo drugs as Chemotherapeutics for Triple Negative Breast Cancer. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 8891-8917	4.8	9
29	A Phase 1 dose-escalation study of disulfiram and copper gluconate in patients with advanced solid tumors involving the liver using S-glutathionylation as a biomarker. <i>BMC Cancer</i> , <b>2021</b> , 21, 510	4.8	7
28	Disulfiram/copper shows potent cytotoxic effects on myelodysplastic syndromes via inducing Bip-mediated apoptosis and suppressing autophagy. <i>European Journal of Pharmacology</i> , <b>2021</b> , 902, 174107	5.3	3
27	Copper Dithiocarbamates: Coordination Chemistry and Applications in Materials Science, Biosciences and Beyond. <i>Inorganics</i> , <b>2021</b> , 9, 70	2.9	2
26	Recent Advances in Repurposing Disulfiram and Disulfiram Derivatives as Copper-Dependent Anticancer Agents. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 741316	5.6	8
25	Zinc coordination complexes as anticancer agents. <i>Coordination Chemistry Reviews</i> , <b>2021</b> , 445, 214088	23.2	19
24	Synthesis, characterization, and antibacterial activity of dibenzildithiocarbamate derivatives and Ni(II)Cu(II) coordination compounds. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1245, 131109	3.4	2
23	Electron belt-to-hole switch of noncovalently bound iodine(I) atoms in dithiocarbamate metal complexes. <i>Inorganic Chemistry Frontiers</i> , <b>2021</b> , 8, 2505-2517	6.8	12
22	Zinc Protoporphyrin Suppresses E-catenin Protein Expression in Human Cancer Cells: The Potential Involvement of Lysosome-Mediated Degradation. <i>PLoS ONE</i> , <b>2015</b> , 10, e0127413	3.7	8
21	Repurposing an antidandruff agent to treating cancer: zinc pyrithione inhibits tumor growth via targeting proteasome-associated deubiquitinases. <i>Oncotarget</i> , <b>2017</b> , 8, 13942-13956	3.3	18
20	Mechanistic characterization of a copper containing thiosemicarbazone with potent antitumor activity. <i>Oncotarget</i> , <b>2017</b> , 8, 30217-30234	3.3	9
19	Clinically used antirheumatic agent auranofin is a proteasomal deubiquitinase inhibitor and inhibits tumor growth. <i>Oncotarget</i> , <b>2014</b> , 5, 5453-71	3.3	112
18	Recent Advances in Antabuse (Disulfiram): The Importance of its Metal-binding Ability to its Anticancer Activity. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 506-524	4.3	40
17	Metal Complexes as Promising Agents for Biomedical Applications. <i>Current Medicinal Chemistry</i> , <b>2020</b> , 27, 5213-5249	4.3	15
16	An Updated Review of Disulfiram: Molecular Targets and Strategies for Cancer Treatment. <i>Current Pharmaceutical Design</i> , <b>2019</b> , 25, 3248-3256	3.3	18
15	Dithiocarbamate-based coordination compounds as potent proteasome inhibitors in human cancer cells. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2012</b> , 12, 1193-201	3.2	77
14	Diethyldithiocarbamate/silk fibroin/polyethylene oxide nanofibrous for cancer therapy: Fabrication, characterization and in vitro evaluation. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 193, 293-299	7.9	3
13	Investigation on Effects of Schiff Base Complex to Hydroxyapatite Bioceramics. <i>Acta Physica Polonica A</i> , <b>2015</b> , 127, 1393-1396	0.6	

12	Increasing opportunities of drug repurposing for treating breast cancer by the integration of molecular, histological, and systemic approaches. <b>2020</b> , 121-172		1
11	Synthesis, characterization, DFT calculation, antioxidant activity, ADMET and molecular docking of thiosemicarbazide derivatives and their Cu (II) complexes. <i>Chemico-Biological Interactions</i> , <b>2021</b> , 351, 109742	5	1
10	Connecting copper and cancer: from transition metal signalling to metalloplasia. <i>Nature Reviews Cancer</i> , <b>2021</b> ,	31.3	48
9	Leveraging disulfiram to treat cancer: Mechanisms of action, delivery strategies, and treatment regimens.. <i>Biomaterials</i> , <b>2021</b> , 281, 121335	15.6	10
8	Ni(II) dithiocarbamate: Synthesis, crystal structures, DFT studies and applications as precursors for nickel sulfide and nickel oxide nanoparticles. <i>Polyhedron</i> , <b>2022</b> , 218, 115766	2.7	2
7	Sphingomyelin-based PEGylation Cu(DDC) Liposomes Prepared via the Dual Function of Cu for Cancer Therapy: Facilitating DDC Loading and Exerting Synergistic Antitumor Effects.. <i>International Journal of Pharmaceutics</i> , <b>2022</b> , 121788	6.5	1
6	Reversal of cisplatin chemotherapy resistance by glutathione-resistant copper-based nanomedicine via cuproptosis. <b>2022</b> , 10, 6296-6306		2
5	Spectroscopy and kinetics of intermediates in photochemistry of xanthate Ni(S2COEt)2 complex in CCl4. <b>2023</b> , 435, 114260		0
4	Dinuclear doubly bridged phenoxido copper(II) complexes as efficient anticancer agents. <b>2023</b> , 246, 114992		4
3	Colloidal Synthesis, Characterization, and Photoconductivity of Quasi-Layered CuCrS2 Nanosheets. <b>2022</b> , 12, 4164		1
2	A comparative study of smart nanoformulations of diethyldithiocarbamate with Cu4O3 nanoparticles or zinc oxide nanoparticles for efficient eradication of metastatic breast cancer. <b>2023</b> , 13,		0
1	Synthesis, structure determination, NBO analysis and vibrational/electronic spectroscopic study of Iron(II) Bis(diethyldithiocarbamate) [Fe(DDTC)2]. <b>2023</b> , 135618		0