

Valentina Gandin

List of Publications by Year in descending order

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80
papers

5,792
citations

94433

37
h-index

74163

75
g-index

82
all docs

82
docs citations

82
times ranked

6988
citing authors

#	ARTICLE	IF	CITATIONS
1	Antiproliferative activity of nickel(II), palladium(II) and zinc(II) thiosemicarbazone complexes. <i>Inorganica Chimica Acta</i> , 2022, 533, 120779.	2.4	8
2	Cu(I) and Cu(II) Complexes Based on Lonidamine-Conjugated Ligands Designed to Promote Synergistic Antitumor Effects. <i>Inorganic Chemistry</i> , 2022, 61, 4919-4937.	4.0	11
3	Improvement of Kiteplatin Efficacy by a Benzoato Pt(IV) Prodrug Suitable for Oral Administration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7081.	4.1	9
4	Pt(II) complexes based on cyclohexanediamines and the histone deacetylase inhibitor 2-(2-propynyl)octanoic acid: synthesis, characterization, cell penetration properties and antitumor activity. <i>Dalton Transactions</i> , 2021, 50, 4663-4672.	3.3	11
5	Easily Available, Amphiphilic Diiron Cyclopentadienyl Complexes Exhibit in Vitro Anticancer Activity in 2D and 3D Human Cancer Cells through Redox Modulation Triggered by CO Release. <i>Chemistry - A European Journal</i> , 2021, 27, 10169-10185.	3.3	25
6	Are Pt(IV) Prodrugs That Release Combretastatin A4 True Multi-action Prodrugs?. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11364-11378.	6.4	30
7	Effect of chirality on the anticancer activity of Pt(II) and Pt(IV) complexes containing 1 <i>R</i> ,2 <i>R</i> and 1 <i>S</i> ,2 <i>S</i> enantiomers of the <i>trans</i> -1,2-diamino-4-cyclohexene ligand (DACHEX), an analogue of diaminocyclohexane used in oxaliplatin. <i>Dalton Transactions</i> , 2021, 50, 15655-15668.	3.3	7
8	Tyrosine kinase inhibitor prodrug-loaded liposomes for controlled release at tumor microenvironment. <i>Journal of Controlled Release</i> , 2021, 340, 318-330.	9.9	8
9	In vitro antitumor activity of water-soluble copper(I) complexes with diimine and monodentate phosphine ligands. <i>Arabian Journal of Chemistry</i> , 2020, 13, 998-1010.	4.9	16
10	Anticancer activity, DNA binding and cell mechanistic studies of estrogen-functionalised Cu(II) complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 49-60.	2.6	18
11	Antiproliferative Homoleptic and Heteroleptic Phosphino Silver(I) Complexes: Effect of Ligand Combination on Their Biological Mechanism of Action. <i>Molecules</i> , 2020, 25, 5484.	3.8	17
12	In vitro and in vivo anticancer activity of tridentate thiosemicarbazone copper complexes: Unravelling an unexplored pharmacological target. <i>European Journal of Medicinal Chemistry</i> , 2020, 194, 112266.	5.5	85
13	Synthesis and Cytotoxic Activity Evaluation of New Cu(I) Complexes of Bis(pyrazol-1-yl) Acetate Ligands Functionalized with an NMDA Receptor Antagonist. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2616.	4.1	20
14	Synthesis, Characterization and Biological Activity of Novel Cu(II) Complexes of 6-Methyl-2-Oxo-1,2-Dihydroquinoline-3-Carbaldehyde-4n-Substituted Thiosemicarbazones. <i>Molecules</i> , 2020, 25, 1868.	3.8	18
15	Platinum(IV) Complexes of <i>trans</i> -1,2-diamino-4-cyclohexene: Prodrugs Affording an Oxaliplatin Analogue that Overcomes Cancer Resistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2325.	4.1	12
16	Expanding the Arsenal of Pt(IV) Anticancer Agents: Multi-action Pt(IV) Anticancer Agents with Bioactive Ligands Possessing a Hydroxy Functional Group. <i>Angewandte Chemie</i> , 2019, 131, 18386-18391.	2.0	11
17	Expanding the Arsenal of Pt(IV) Anticancer Agents: Multi-action Pt(IV) Anticancer Agents with Bioactive Ligands Possessing a Hydroxy Functional Group. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18218-18223.	13.8	47
18	Sesquiterpene rich essential oil from Nepalese Bael tree (<i>Aegle marmelos</i> (L.) Correa) as potential antiproliferative agent. <i>Fitoquímica</i> , 2019, 138, 104266.	2.2	7

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19	A Pt(IV) prodrug of kiteplatin with the bone-targeting pyrophosphate ligand. <i>Inorganica Chimica Acta</i> , 2019, 494, 98-104.	2.4	6
20	Syntheses and Biological Studies of Cu(II) Complexes Bearing Bis(pyrazol-1-yl)- and Bis(triazol-1-yl)-acetato Heteroscorpionate Ligands. <i>Molecules</i> , 2019, 24, 1761.	3.8	18
21	Phosphine-copper(I) complexes as anticancer agents: design, synthesis, and physicochemical characterization. Part I., 2019, , 61-82.		6
22	Phosphine copper(I) complexes as anticancer agents: biological characterization. Part II., 2019, , 83-107.		8
23	Phytochemical Fingerprinting and In Vitro Bioassays of the Ethnomedicinal Fern <i>Tectaria coadunata</i> (J.) Tj ETQq1 1 0.784314 ggBT /Over	3.8	9
24	A minimal structural variation can overcome tumour resistance of oxaliplatin: the case of 4,5-dehydrogenation of the cyclohexane ring. <i>RSC Advances</i> , 2019, 9, 32448-32452.	3.6	7
25	Triple action Pt(IV) derivatives of cisplatin: a new class of potent anticancer agents that overcome resistance. <i>Chemical Science</i> , 2018, 9, 4299-4307.	7.4	121
26	Synthesis, characterization and cytotoxic activity of novel copper(II) complexes with aroylhydrazone derivatives of 2-Oxo-1,2-dihydrobenzo[h]quinoline-3-carbaldehyde. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 18-28.	3.5	41
27	Evaluation of the Profile and Mechanism of Neurotoxicity of Water-Soluble [Cu(P)4]PF6 and [Au(P)4]PF6 (P = thp or PTA) Anticancer Complexes. <i>Neurotoxicity Research</i> , 2018, 34, 93-108.	2.7	10
28	Significance of the mitochondrial thioredoxin reductase in cancer cells: An update on role, targets and inhibitors. <i>Free Radical Biology and Medicine</i> , 2018, 127, 62-79.	2.9	97
29	The first water-soluble copper(I) complexes bearing sulfonated imidazole- and benzimidazole-derived N-heterocyclic carbenes: Synthesis and anticancer studies. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4185.	3.5	23
30	A Pt(IV) Prodrug Combining Chlorambucil and Cisplatin: a Dual-Acting Weapon for Targeting DNA in Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3775.	4.1	19
31	Syntheses and biological studies of nitroimidazole conjugated heteroscorpionate ligands and related Cu(I) and Cu(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2018, 187, 33-40.	3.5	22
32	Dual-acting antitumor Pt(IV) prodrugs of kiteplatin with dichloroacetate axial ligands. <i>Dalton Transactions</i> , 2018, 47, 7144-7158.	3.3	21
33	Multi-Acting Mitochondria-Targeted Platinum(IV) Prodrugs of Kiteplatin with $\hat{\pm}$ -Lipoic Acid in the Axial Positions. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2050.	4.1	15
34	Synthesis, characterization and in vitro and in vivo anticancer activity of Pt(IV) derivatives of [Pt(1S,2S-DACH)(5,6-dimethyl-1,10-phenanthroline)]. <i>Dalton Transactions</i> , 2017, 46, 7005-7019.	3.3	43
35	Epigenetic and antitumor effects of platinum(IV)-octanoato conjugates. <i>Scientific Reports</i> , 2017, 7, 3751.	3.3	38
36	Tamoxifen-like metallocifens target the thioredoxin system determining mitochondrial impairment leading to apoptosis in Jurkat cells. <i>Metallomics</i> , 2017, 9, 949-959.	2.4	30

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37	A Cu(II) complex targeting the translocator protein: in vitro and in vivo antitumor potential and mechanistic insights. <i>Chemical Communications</i> , 2017, 53, 134-137.	4.1	30
38	Therapeutic potential of the phosphino Cu(I) complex (HydroCuP) in the treatment of solid tumors. <i>Scientific Reports</i> , 2017, 7, 13936.	3.3	45
39	Antitumor platinum(IV) derivatives of carboplatin and the histone deacetylase inhibitor 4-phenylbutyric acid. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 1-7.	3.5	38
40	An unsymmetric cisplatin-based Pt(IV) derivative containing 2-(2-propynyl)octanoate: a very efficient multi-action antitumor prodrug candidate. <i>Dalton Transactions</i> , 2017, 46, 14174-14185.	3.3	39
41	A Quadruple-Action Platinum(IV) Prodrug with Anticancer Activity Against KRAS Mutated Cancer Cell Lines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11539-11544.	13.8	100
42	A Quadruple-Action Platinum(IV) Prodrug with Anticancer Activity Against KRAS Mutated Cancer Cell Lines. <i>Angewandte Chemie</i> , 2017, 129, 11697-11702.	2.0	22
43	Exploring the C ^N C theme: Synthesis and biological properties of tridentate cyclometalated gold(III) complexes. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5452-5460.	3.0	32
44	Encapsulation of lipophilic kiteplatin Pt(IV) prodrugs in PLGA-PEG micelles. <i>Dalton Transactions</i> , 2016, 45, 13070-13081.	3.3	27
45	Insights into the cytotoxic activity of the phosphane copper(I) complex [Cu(thp) ₄][PF ₆]. <i>Journal of Inorganic Biochemistry</i> , 2016, 165, 80-91.	3.5	38
46	Oxidative Stress Induced by Pt(IV) Pro-drugs Based on the Cisplatin Scaffold and Indole Carboxylic Acids in Axial Position. <i>Scientific Reports</i> , 2016, 6, 29367.	3.3	56
47	Mitochondrial Thioredoxin System as a Modulator of Cyclophilin D Redox State. <i>Scientific Reports</i> , 2016, 6, 23071.	3.3	46
48	Pt(IV) derivatives of cisplatin and oxaliplatin with phenylbutyrate axial ligands are potent cytotoxic agents that act by several mechanisms of action. <i>Chemical Science</i> , 2016, 7, 2381-2391.	7.4	155
49	Cytotoxicity-boosting of kiteplatin by Pt(IV) prodrugs with axial benzoate ligands. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 85-93.	3.5	18
50	Metal- and Semimetal-Containing Inhibitors of Thioredoxin Reductase as Anticancer Agents. <i>Molecules</i> , 2015, 20, 12732-12756.	3.8	53
51	DNA damage and induction of apoptosis in pancreatic cancer cells by a new dinuclear bis(triazacyclonane) copper complex. <i>Journal of Inorganic Biochemistry</i> , 2015, 145, 101-107.	3.5	35
52	Homoleptic phosphino copper(I) complexes with in vitro and in vivo dual cytotoxic and anti-angiogenic activity. <i>Metallomics</i> , 2015, 7, 1497-1507.	2.4	54
53	Glucose-Coated Superparamagnetic Iron Oxide Nanoparticles Prepared by Metal Vapour Synthesis Are Electively Internalized in a Pancreatic Adenocarcinoma Cell Line Expressing GLUT1 Transporter. <i>PLoS ONE</i> , 2015, 10, e0123159.	2.5	28
54	trans-, cis-, cis- β -Bis(benzoato)dichlorido(cyclohexane- α -C ₁ ,2-C ₁ -diamine)platinum(IV): a Prodrug Candidate for the Treatment of Oxaliplatin-Resistant Colorectal Cancer. <i>ChemMedChem</i> , 2014, 9, 1299-1305.	3.2	22

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55	Advances in Copper Complexes as Anticancer Agents. <i>Chemical Reviews</i> , 2014, 114, 815-862.	47.7	1,375
56	<i>In Vitro</i> and <i>In Vivo</i> Anticancer Activity of Copper(I) Complexes with Homoscorpionate Tridentate Tris(pyrazolyl)borate and Auxiliary Monodentate Phosphine Ligands. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4745-4760.	6.4	100
57	Synthesis and <i>in vitro</i> antitumor activity of water soluble sulfonate- and ester-functionalized silver(I) N-heterocyclic carbene complexes. <i>Journal of Inorganic Biochemistry</i> , 2013, 129, 135-144.	3.5	70
58	Novel Mixed-Ligand Copper(I) Complexes: Role of Diimine Ligands on Cytotoxicity and Genotoxicity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7416-7430.	6.4	72
59	Fluorescent silver(i) and gold(i) N-heterocyclic carbene complexes with cytotoxic properties: mechanistic insights. <i>Metallomics</i> , 2013, 5, 1006.	2.4	121
60	Neutral and charged phosphine/scorpionate copper(I) complexes: Effects of ligand assembly on their antiproliferative activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 59, 218-226.	5.5	65
61	Possible Chelating Agents for Iron and Aluminium 4-Hydroxy-5-methyl- and 4-Hydroxy-1,5-dimethyl-pyridinecarboxylic Acid. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1310-1319.	2.0	8
62	Synthesis and Biological Activity of Ester- and Amide-Functionalized Imidazolium Salts and Related Water-Soluble Coinage Metal N-Heterocyclic Carbene Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 9873-9882.	4.0	93
63	Revisiting [PtCl ₂ (<i>cis</i> -1,4-DACH)]: An Underestimated Antitumor Drug with Potential Application to the Treatment of Oxaliplatin-Refractory Colorectal Cancer. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7182-7192.	6.4	65
64	A novel copper complex induces paraptosis in colon cancer cells, <i>via</i> , the activation of ER stress signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 142-151.	3.6	128
65	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.	3.4	94
66	Nitroimidazole and glucosamine conjugated heteroscorpionate ligands and related copper(II) complexes. Syntheses, biological activity and XAS studies. <i>Dalton Transactions</i> , 2011, 40, 9877.	3.3	42
67	Chemistry and Biological Activity of Platinum Amidine Complexes. <i>ChemMedChem</i> , 2011, 6, 1172-1183.	3.2	41
68	<i>In vitro</i> antitumour activity of water soluble Cu(I), Ag(I) and Au(I) complexes supported by hydrophilic alkyl phosphine ligands. <i>Journal of Inorganic Biochemistry</i> , 2011, 105, 232-240.	3.5	101
69	Cancer cell death induced by phosphine gold(I) compounds targeting thioredoxin reductase. <i>Biochemical Pharmacology</i> , 2010, 79, 90-101.	4.4	216
70	The relationship between the electrospray ionization behaviour and biological activity of some phosphino Cu(I) complexes. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1610-1616.	1.5	27
71	A New Class of Antitumor <i>trans</i> -Amine-Amidine-Pt(II) Cationic Complexes: Influence of Chemical Structure and Solvent on <i>In Vitro</i> and <i>In Vivo</i> Tumor Cell Proliferation. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6210-6227.	6.4	29
72	Treatment of human cancer cells with selenite or tellurite in combination with auranofin enhances cell death due to redox shift. <i>Free Radical Biology and Medicine</i> , 2009, 47, 710-721.	2.9	59

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73	Cytotoxicity of cis-platinum(II) cycloaliphatic amidine complexes: Ring size and solvent effects on the biological activity. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1113-1119.	3.5	19
74	Synthesis and structural characterization of copper(I) complexes bearing N-methyl-1,3,5-triaza-7-phosphaadamantane (mPTA). <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 1644-1651.	3.5	55
75	Thioredoxin reductase: A target for gold compounds acting as potential anticancer drugs. <i>Coordination Chemistry Reviews</i> , 2009, 253, 1692-1707.	18.8	513
76	In Vitro Antitumor Activity of the Water Soluble Copper(I) Complexes Bearing the Tris(hydroxymethyl)phosphine Ligand. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 798-808.	6.4	117
77	Cisplatinum and Transplatinum Complexes with Benzyliminoether Ligands; Synthesis, Characterization, Structure-Activity Relationships, and In Vitro and In Vivo Antitumor Efficacy. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 4775-4784.	6.4	40
78	Inhibition of thioredoxin reductase by auranofin induces apoptosis in cisplatin-resistant human ovarian cancer cells. <i>Free Radical Biology and Medicine</i> , 2007, 42, 872-881.	2.9	367
79	Synthesis, Characterization, and in Vitro Antitumor Properties of Tris(hydroxymethyl)phosphine Copper(I) Complexes Containing the New Bis(1,2,4-triazol-1-yl)acetate Ligand. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 7317-7324.	6.4	115
80	Purification of Mitochondrial Thioredoxin Reductase and Its Involvement in the Redox Regulation of Membrane Permeability. <i>Free Radical Biology and Medicine</i> , 1998, 24, 370-376.	2.9	125