

Cristina Marzano

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

5,237
citations

136740

32
h-index

114278

63
g-index

66
all docs

66
docs citations

66
times ranked

6279
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Advances in Copper Complexes as Anticancer Agents. <i>Chemical Reviews</i> , 2014, 114, 815-862. | 23.0 | 1,375 |
| 2 | Copper Complexes as Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2009, 9, 185-211. | 0.9 | 661 |
| 3 | Copper in diseases and treatments, and copper-based anticancer strategies. <i>Medicinal Research Reviews</i> , 2010, 30, 708-749. | 5.0 | 568 |
| 4 | Cancer cell death induced by phosphine gold(I) compounds targeting thioredoxin reductase. <i>Biochemical Pharmacology</i> , 2010, 79, 90-101. | 2.0 | 216 |
| 5 | A novel copper complex induces paraptosis in colon cancer cells via the activation of ER stress signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 142-151. | 1.6 | 128 |
| 6 | 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. | 2.9 | 117 |
| 7 | 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. | 2.9 | 115 |
| 8 | In vitro 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. | 1.5 | 101 |
| 9 | In Vitro and in Vivo 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. | 2.9 | 100 |
| 10 | 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. | 1.9 | 93 |
| 11 | Gold(III)-dithiocarbamate anticancer agents: Activity, toxicology and histopathological studies in rodents. <i>International Journal of Cancer</i> , 2011, 129, 487-496. | 2.3 | 92 |
| 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. | 2.6 | 85 |
| 13 | New copper(I) phosphane complexes of dihydridobis(3-nitro-1,2,4-triazolyl)borate ligand showing cytotoxic activity. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 299-304. | 1.5 | 78 |
| 14 | Novel Mixed-Ligand Copper(I) Complexes: Role of Diimine Ligands on Cytotoxicity and Genotoxicity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7416-7430. | 2.9 | 72 |
| 15 | Synthesis and in vitro 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. | 1.5 | 70 |
| 16 | Revisiting [PtCl ₂ (cis-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. | 2.9 | 65 |
| 17 | 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. | 2.6 | 65 |
| 18 | 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. | 1.3 | 59 |

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|----|--|-----|-----------|
| 19 | Anticancer activity of a series of copper(II) complexes with tripodal ligands. <i>European Journal of Medicinal Chemistry</i> , 2017, 132, 274-281. | 2.6 | 58 |
| 20 | 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. | 1.6 | 56 |
| 21 | 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. | 1.5 | 55 |
| 22 | Synthesis and antiproliferative activity of some variously substituted acridine and azacridine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2000, 35, 827-837. | 2.6 | 46 |
| 23 | Therapeutic potential of the phosphino Cu(I) complex (HydroCuP) in the treatment of solid tumors. <i>Scientific Reports</i> , 2017, 7, 13936. | 1.6 | 45 |
| 24 | Nitroimidazole and glucosamine conjugated heteroscorpionate ligands and related copper(II) complexes. Syntheses, biological activity and XAS studies. <i>Dalton Transactions</i> , 2011, 40, 9877. | 1.6 | 42 |
| 25 | Synthesis, characterization and cytotoxic activity of novel copper(II) complexes with arylhydrazone derivatives of 2-Oxo-1,2-dihydrobenzo[h]quinoline-3-carbaldehyde. <i>Journal of Inorganic Biochemistry</i> , 2018, 182, 18-28. | 1.5 | 41 |
| 26 | Antitumor activity of a new platinum(II) complex with low nephrotoxicity and genotoxicity. <i>Chemico-Biological Interactions</i> , 2004, 148, 37-48. | 1.7 | 40 |
| 27 | An unsymmetric cisplatin-based Pt(II) derivative containing 2-(2-propynyl)octanoate: a very efficient multi-action antitumor prodrug candidate. <i>Dalton Transactions</i> , 2017, 46, 14174-14185. | 1.6 | 39 |
| 28 | 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. | 1.5 | 38 |
| 29 | Epigenetic and antitumor effects of platinum(IV)-octanoate conjugates. <i>Scientific Reports</i> , 2017, 7, 3751. | 1.6 | 38 |
| 30 | Antitumor platinum(IV) derivatives of carboplatin and the histone deacetylase inhibitor 4-phenylbutyric acid. <i>Journal of Inorganic Biochemistry</i> , 2017, 177, 1-7. | 1.5 | 38 |
| 31 | Synthesis and characterization of azolate gold(I) phosphane complexes as thioredoxin reductase inhibiting antitumor agents. <i>Dalton Transactions</i> , 2012, 41, 5307. | 1.6 | 36 |
| 32 | 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. | 1.5 | 35 |
| 33 | Cytotoxicity in human cancer cells and mitochondrial dysfunction induced by a series of new copper(I) complexes containing tris(2-cyanoethyl)phosphines. <i>Investigational New Drugs</i> , 2011, 29, 1213-1223. | 1.2 | 32 |
| 34 | 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. | 2.9 | 29 |
| 35 | Novel multicharged silver(I) NHC complexes derived from zwitterionic 1,3-symmetrically and 1,3-unsymmetrically substituted imidazoles and benzimidazoles: Synthesis and cytotoxic properties. <i>Journal of Organometallic Chemistry</i> , 2016, 806, 45-53. | 0.8 | 29 |
| 36 | Cytotoxicity and DNA damage induced by a new platinum(II) complex with pyridine and dithiocarbamate. <i>Chemico-Biological Interactions</i> , 2002, 140, 215-229. | 1.7 | 27 |

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|----|---|-----|-----------|
| 37 | 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. | 0.7 | 27 |
| 38 | Interaction of selenite and tellurite with thiol-dependent redox enzymes: Kinetics and mitochondrial implications. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1620-1629. | 1.3 | 27 |
| 39 | Encapsulation of lipophilic kateplatin Pt(IV) prodrugs in PLGA-PEG micelles. <i>Dalton Transactions</i> , 2016, 45, 13070-13081. | 1.6 | 27 |
| 40 | A novel copper(I) complex induces ER-stress-mediated apoptosis and sensitizes B-acute lymphoblastic leukemia cells to chemotherapeutic agents. <i>Oncotarget</i> , 2014, 5, 5978-5991. | 0.8 | 25 |
| 41 | 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. | 1.7 | 23 |
| 42 | <i>trans</i> , <i>cis</i> , <i>cis</i> -Bis(benzoato)dichlorido(cyclohexane-1,2-diamine)platinum(IV): a Prodrug Candidate for the Treatment of Oxaliplatin-Refractory Colorectal Cancer. <i>ChemMedChem</i> , 2014, 9, 1299-1305. | 1.6 | 22 |
| 43 | 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. | 1.5 | 22 |
| 44 | Dual-acting antitumor Pt(IV) prodrugs of kateplatin with dichloroacetate axial ligands. <i>Dalton Transactions</i> , 2018, 47, 7144-7158. | 1.6 | 21 |
| 45 | 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. | 1.8 | 20 |
| 46 | 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. | 1.8 | 19 |
| 47 | Cytotoxicity-boosting of kateplatin by Pt(IV) prodrugs with axial benzoate ligands. <i>Journal of Inorganic Biochemistry</i> , 2016, 160, 85-93. | 1.5 | 18 |
| 48 | 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. | 1.7 | 18 |
| 49 | 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. | 1.1 | 18 |
| 50 | 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. | 1.7 | 18 |
| 51 | Antiproliferative Homoleptic and Heteroleptic Phosphino Silver(I) Complexes: Effect of Ligand Combination on Their Biological Mechanism of Action. <i>Molecules</i> , 2020, 25, 5484. | 1.7 | 17 |
| 52 | 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. | 2.3 | 16 |
| 53 | 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. | 1.8 | 15 |
| 54 | Synthesis, characterization and cytotoxic activity of palladium (II) dithiocarbamate complexes with $\hat{\pm}$ -diamines. <i>Inorganica Chimica Acta</i> , 2011, 376, 574-580. | 1.2 | 14 |

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|----|---|-----|-----------|
| 55 | Platinum(IV) Complexes of trans-1,2-diamino-4-cyclohexene: Prodrugs Affording an Oxaliplatin Analogue that Overcomes Cancer Resistance. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2325. | 1.8 | 12 |
| 56 | Pt(IV) 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. | 1.6 | 11 |
| 57 | 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. | 1.9 | 11 |
| 58 | Improvement of Kiteplatin Efficacy by a Benzoato Pt(IV) Prodrug Suitable for Oral Administration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7081. | 1.8 | 9 |
| 59 | Phosphine copper(I) complexes as anticancer agents: biological characterization. Part II. , 2019, , 83-107. | | 8 |
| 60 | 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. | 1.7 | 7 |
| 61 | 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 trans-1,2-diamino-4-cyclohexene ligand (DACHEX), an analogue of diaminocyclohexane used in oxaliplatin. <i>Dalton Transactions</i> , 2021, 50, 15655-15668. | 1.6 | 7 |
| 62 | A Pt(IV) prodrug of kiteplatin with the bone-targeting pyrophosphate ligand. <i>Inorganica Chimica Acta</i> , 2019, 494, 98-104. | 1.2 | 6 |
| 63 | Phosphine-copper(I) complexes as anticancer agents: design, synthesis, and physicochemical characterization. Part I. , 2019, , 61-82. | | 6 |
| 64 | Synthesis and characterization of novel tetrahedral copper(I) complexes comprising tridentate PNP-aminodiphosphines and tetradentate PN(X)P-substituted aminodiphosphines (X=O, S). <i>Inorganica Chimica Acta</i> , 2012, 387, 163-172. | 1.2 | 5 |
| 65 | Glucose-coated superparamagnetic iron oxide nanoparticles prepared by metal vapor synthesis can target GLUT1 overexpressing tumors: In vitro tests and in vivo preliminary assessment. <i>PLoS ONE</i> , 2022, 17, e0269603. | 1.1 | 4 |