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List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Vanadium, Ruthenium and Copper Compounds: A New Class of Nonplatinum Metallodrugs with Anticancer Activity. Current Medicinal Chemistry, 2017, 24, 112-148.	2.4	114
2	Antitumor properties of a vanadyl(iv) complex with the flavonoid chrysin [VO(chrysin)2EtOH]2 in a human osteosarcoma model: the role of oxidative stress and apoptosis. Dalton Transactions, 2013, 42, 11868.	3.3	72
3	Vanadium and cancer treatment: Antitumoral mechanisms of three oxidovanadium(IV) complexes on a human osteosarcoma cell line. Journal of Inorganic Biochemistry, 2014, 134, 106-117.	3.5	71
4	Oxidovanadium(IV) complexes with chrysin and silibinin: anticancer activity and mechanisms of action in a human colon adenocarcinoma model. Journal of Biological Inorganic Chemistry, 2015, 20, 1175-1191.	2.6	65
5	Bacterial cellulose hydrogel loaded with lipid nanoparticles for localized cancer treatment. Colloids and Surfaces B: Biointerfaces, 2018, 170, 596-608.	5.0	63
6	Synthesis and characterization of CaCO 3 –biopolymer hybrid nanoporous microparticles for controlled release of doxorubicin. Colloids and Surfaces B: Biointerfaces, 2014, 123, 158-169.	5.0	50
7	In vitro and in vivo antitumor effects of the VO-chrysin complex on a new three-dimensional osteosarcoma spheroids model and a xenograft tumor in mice. Journal of Biological Inorganic Chemistry, 2016, 21, 1009-1020.	2.6	49
8	Antiproliferative and apoptosis-inducing activity of an oxidovanadium(IV) complex with the flavonoid silibinin against osteosarcoma cells. Journal of Biological Inorganic Chemistry, 2014, 19, 59-74.	2.6	48
9	Polyoxometalates as antitumor agents: Bioactivity of a new polyoxometalate with copper on a human osteosarcoma model. Chemico-Biological Interactions, 2014, 222, 87-96.	4.0	40
10	Deciphering the effect of an oxovanadium( <scp>iv</scp> ) complex with the flavonoid chrysin (VOChrys) on intracellular cell signalling pathways in an osteosarcoma cell line. Metallomics, 2016, 8, 739-749.	2.4	40
11	Anticancer and antimetastatic activity of copper(II)-tropolone complex against human breast cancer cells, breast multicellular spheroids and mammospheres. Journal of Inorganic Biochemistry, 2020, 204, 110975.	3.5	38
12	Comparative antitumor studies of organoruthenium complexes with 8-hydroxyquinolines on 2D and 3D cell models of bone, lung and breast cancer. Metallomics, 2019, 11, 666-675.	2.4	37
13	Mononuclear Pd( <scp>ii</scp> ) and Pt( <scp>ii</scp> ) complexes with an α-N-heterocyclic thiosemicarbazone: cytotoxicity, solution behaviour and interaction <i>versus</i> proven models from biological media. Inorganic Chemistry Frontiers, 2018, 5, 73-83.	6.0	36
14	Synthesis and biological characterization of organoruthenium complexes with 8-hydroxyquinolines. Journal of Inorganic Biochemistry, 2018, 186, 187-196.	3.5	36
15	In vitro and in vivo anticancer effects of two quinoline–platinum(II) complexes on human osteosarcoma models. Cancer Chemotherapy and Pharmacology, 2019, 83, 681-692.	2.3	28
16	Decoding the anticancer activity of VO-clioquinol compound: the mechanism of action and cell death pathways in human osteosarcoma cells. Metallomics, 2017, 9, 891-901.	2.4	27
17	Anticancer activity of a new copper( <scp>ii</scp> ) complex with a hydrazone ligand. Structural and spectroscopic characterization, computational simulations and cell mechanistic studies on 2D and 3D breast cancer cell models. Dalton Transactions, 2021, 50, 9812-9826.	3.3	25
18	Diethylaminophenyl-based Schiff base Cu( <scp>ii</scp> ) and V( <scp>iv</scp> ) complexes: experimental and theoretical studies and cytotoxicity assays. New Journal of Chemistry, 2019, 43, 18832-18842.	2.8	22

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19	Hydroxylamido–amino acid complexes of oxovanadium(v). Toxicological study in cell culture and in a zebrafish model. Metallomics, 2012, 4, 1287.	2.4	20
20	Cu( <scp>ii</scp> ) and Zn( <scp>ii</scp> ) complexes with a poly-functional ligand derived from <i>o</i> -vanillin and thiophene. Crystal structure, physicochemical properties, theoretical studies and cytotoxicity assays against human breast cancer cells. New Journal of Chemistry, 2019, 43, 7120-7129.	2.8	20
21	Water-mediated reduction of [Cu(dmp) <sub>2</sub> (CH <sub>3</sub> CN)] <sup>2+</sup> : implications of the structure of a classical complex on its activity as an anticancer drug. Inorganic Chemistry Frontiers, 2021, 8, 3238-3252.	6.0	20
22	Copper Complexes as Antitumor Agents: <i>In vitro</i> and <i>In vivo</i> Evidence. Current Medicinal Chemistry, 2023, 30, 510-557.	2.4	20
23	An Overview of Vanadium and Cell Signaling in Potential Cancer Treatments. Inorganics, 2022, 10, 47.	2.7	20
24	Lipid nanoparticles – Metvan: revealing a novel way to deliver a vanadium compound to bone cancer cells. New Journal of Chemistry, 2019, 43, 17726-17734.	2.8	19
25	Spectroscopic Characterization of an Oxovanadium(IV) Complex of Oxodiacetic Acid and o-Phenanthroline. Bioactivity on Osteoblast-Like Cells in Culture. Biological Trace Element Research, 2012, 147, 403-407.	3.5	18
26	Antiproliferative activity of two copper (II) complexes on colorectal cancer cell models: Impact on ROS production, apoptosis induction and NF-κB inhibition. European Journal of Pharmaceutical Sciences, 2022, 169, 106092.	4.0	18
27	Synthesis, characterization, DFT calculations and anticancer activity of a new oxidovanadium( <scp>iv</scp> ) complex with a ligand derived from <i>o</i> -vanillin and thiophene. New Journal of Chemistry, 2019, 43, 11784-11794.	2.8	15
28	Copper(II) Complexes with Saccharinate and Glutamine as Antitumor Agents: Cytoand Genotoxicity in Human Osteosarcoma Cells. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 424-433.	1.7	15
29	Synthesis, Crystal Structure, Spectroscopic Characterization, DFT Calculations and Cytotoxicity Assays of a New Cu(II) Complex with an Acylhydrazone Ligand Derived from Thiophene. Inorganics, 2021, 9, 9.	2.7	14
30	Long Non-coding RNAs in Cisplatin Resistance in Osteosarcoma. Current Treatment Options in Oncology, 2021, 22, 41.	3.0	14
31	Metvan, bis(4,7-Dimethyl-1,10-phenanthroline)sulfatooxidovanadium(IV): DFT and Spectroscopic Study—Antitumor Action on Human Bone and Colorectal Cancer Cell Lines. Biological Trace Element Research, 2019, 191, 81-87.	3.5	13
32	Synergy of DNA intercalation and catalytic activity of a copper complex towards improved polymerase inhibition and cancer cell cytotoxicity. Dalton Transactions, 2021, 50, 11931-11940.	3.3	11
33	Cu(Nor)2·5H2O, a complex of Cu(II) with Norfloxacin: theoretic approach and biological studies. Cytotoxicity and genotoxicity in cell cultures. Molecular and Cellular Biochemistry, 2013, 376, 53-61.	3.1	10
34	Bis(oxalato)dioxovanadate(V) and Bis(oxalato)oxoperoxo-vanadate(V) Complexes: Spectroscopic Characterization and Biological Activity. Biological Trace Element Research, 2013, 155, 295-300.	3.5	10
35	Anticancer Activity and Mechanism of Action Evaluation of an Acylhydrazone Cu(II) Complex toward Breast Cancer Cells, Spheroids, and Mammospheres. ChemMedChem, 2022, 17, .	3.2	10
36	<i>In silico</i> and <i>in vitro</i> analysis of FAK/MMP signaling axis inhibition by VO-clioquinol in 2D and 3D human osteosarcoma cancer cells. Metallomics, 2020, 12, 1931-1940.	2.4	7

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37	A New Oxidovanadium(IV) Complex of Oxodiacetic Acid and dppz: Spectroscopic and DFT Study. Antitumor Action on MG-63 Human Osteosarcoma Cell Line. Biological Trace Element Research, 2015, 164, 198-204.	3.5	5
38	Two Different Thiosemicarbazone Tautoâ€Conformers Coordinate to Palladium (II). Stability and Biological Studies of the Final Complexes. European Journal of Inorganic Chemistry, 2021, 2021, 1041-1049.	2.0	4
39	Tridentate acylhydrazone copper(II) complexes with heterocyclic bases as coligands. Synthesis, spectroscopic studies, crystal structure and cytotoxicity assays. Polyhedron, 2022, 213, 115621.	2.2	4
40	8-Hydroxyquinoline platinum( <scp>ii</scp> ) loaded nanostructured lipid carriers: synthesis, physicochemical characterization and evaluation of antitumor activity. New Journal of Chemistry, 2021, 45, 821-830.	2.8	3
41	Synthesis and Characterization of Novel Copper(II)-Sunitinib Complex: Molecular Docking, DFT Studies, Hirshfeld Analysis and Cytotoxicity Studies. Inorganics, 2022, 10, 3.	2.7	1