

Ignacio Esteban LeÃ³n

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,152
citations

411340

20
h-index

445137

33
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all docs

41
docs citations

41
times ranked

1677
citing authors

#	ARTICLE	IF	CITATIONS
1	Vanadium, Ruthenium and Copper Compounds: A New Class of Nonplatinum Metallo drugs with Anticancer Activity. <i>Current Medicinal Chemistry</i> , 2017, 24, 112-148.	1.2	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. <i>Dalton Transactions</i> , 2013, 42, 11868.	1.6	72
3	Vanadium and cancer treatment: Antitumoral mechanisms of three oxidovanadium(IV) complexes on a human osteosarcoma cell line. <i>Journal of Inorganic Biochemistry</i> , 2014, 134, 106-117.	1.5	71
4	Oxidovanadium(IV) complexes with chrysin and silibinin: anticancer activity and mechanisms of action in a human colon adenocarcinoma model. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 1175-1191.	1.1	65
5	Bacterial cellulose hydrogel loaded with lipid nanoparticles for localized cancer treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 596-608.	2.5	63
6	Synthesis and characterization of CaCO ₃ biopolymer hybrid nanoporous microparticles for controlled release of doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 158-169.	2.5	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. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 1009-1020.	1.1	49
8	Antiproliferative and apoptosis-inducing activity of an oxidovanadium(IV) complex with the flavonoid silibinin against osteosarcoma cells. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 59-74.	1.1	48
9	Polyoxometalates as antitumor agents: Bioactivity of a new polyoxometalate with copper on a human osteosarcoma model. <i>Chemico-Biological Interactions</i> , 2014, 222, 87-96.	1.7	40
10	Deciphering the effect of an oxovanadium(IV) complex with the flavonoid chrysin (VOChrys) on intracellular cell signalling pathways in an osteosarcoma cell line. <i>Metallomics</i> , 2016, 8, 739-749.	1.0	40
11	Anticancer and antimetastatic activity of copper(II)-tropolone complex against human breast cancer cells, breast multicellular spheroids and mammospheres. <i>Journal of Inorganic Biochemistry</i> , 2020, 204, 110975.	1.5	38
12	Comparative antitumor studies of organoruthenium complexes with 8-hydroxyquinolines on 2D and 3D cell models of bone, lung and breast cancer. <i>Metallomics</i> , 2019, 11, 666-675.	1.0	37
13	Mononuclear Pd(II) and Pt(II) complexes with an $\hat{I}\pm$ -N-heterocyclic thiosemicarbazone: cytotoxicity, solution behaviour and interaction versus proven models from biological media. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 73-83.	3.0	36
14	Synthesis and biological characterization of organoruthenium complexes with 8-hydroxyquinolines. <i>Journal of Inorganic Biochemistry</i> , 2018, 186, 187-196.	1.5	36
15	In vitro and in vivo anticancer effects of two quinoline-platinum(II) complexes on human osteosarcoma models. <i>Cancer Chemotherapy and Pharmacology</i> , 2019, 83, 681-692.	1.1	28
16	Decoding the anticancer activity of VO-clioquinol compound: the mechanism of action and cell death pathways in human osteosarcoma cells. <i>Metallomics</i> , 2017, 9, 891-901.	1.0	27
17	Anticancer activity of a new copper(II) complex with a hydrazone ligand. Structural and spectroscopic characterization, computational simulations and cell mechanistic studies on 2D and 3D breast cancer cell models. <i>Dalton Transactions</i> , 2021, 50, 9812-9826.	1.6	25
18	Diethylaminophenyl-based Schiff base Cu(II) and V(IV) complexes: experimental and theoretical studies and cytotoxicity assays. <i>New Journal of Chemistry</i> , 2019, 43, 18832-18842.	1.4	22

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19	Hydroxylamido- α -amino acid complexes of oxovanadium(V). Toxicological study in cell culture and in a zebrafish model. <i>Metallomics</i> , 2012, 4, 1287.	1.0	20
20	Cu(II) and Zn(II) 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. <i>New Journal of Chemistry</i> , 2019, 43, 7120-7129.	1.4	20
21	Water-mediated reduction of [Cu(dmp) ₂ (CH ₃ CN)] ²⁺ : implications of the structure of a classical complex on its activity as an anticancer drug. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3238-3252.	3.0	20
22	Copper Complexes as Antitumor Agents: <i>In vitro</i> and <i>In vivo</i> Evidence. <i>Current Medicinal Chemistry</i> , 2023, 30, 510-557.	1.2	20
23	An Overview of Vanadium and Cell Signaling in Potential Cancer Treatments. <i>Inorganics</i> , 2022, 10, 47.	1.2	20
24	Lipid nanoparticles – Metvan: revealing a novel way to deliver a vanadium compound to bone cancer cells. <i>New Journal of Chemistry</i> , 2019, 43, 17726-17734.	1.4	19
25	Spectroscopic Characterization of an Oxovanadium(IV) Complex of Oxodiacetic Acid and <i>o</i> -Phenanthroline. Bioactivity on Osteoblast-Like Cells in Culture. <i>Biological Trace Element Research</i> , 2012, 147, 403-407.	1.9	18
26	Antiproliferative activity of two copper (II) complexes on colorectal cancer cell models: Impact on ROS production, apoptosis induction and NF- κ B inhibition. <i>European Journal of Pharmaceutical Sciences</i> , 2022, 169, 106092.	1.9	18
27	Synthesis, characterization, DFT calculations and anticancer activity of a new oxidovanadium(IV) complex with a ligand derived from <i>o</i> -vanillin and thiophene. <i>New Journal of Chemistry</i> , 2019, 43, 11784-11794.	1.4	15
28	Copper(II) Complexes with Saccharinate and Glutamine as Antitumor Agents: Cytotoxicity in Human Osteosarcoma Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017, 17, 424-433.	0.9	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. <i>Inorganics</i> , 2021, 9, 9.	1.2	14
30	Long Non-coding RNAs in Cisplatin Resistance in Osteosarcoma. <i>Current Treatment Options in Oncology</i> , 2021, 22, 41.	1.3	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. <i>Biological Trace Element Research</i> , 2019, 191, 81-87.	1.9	13
32	Synergy of DNA intercalation and catalytic activity of a copper complex towards improved polymerase inhibition and cancer cell cytotoxicity. <i>Dalton Transactions</i> , 2021, 50, 11931-11940.	1.6	11
33	Cu(Nor)2 \cdot 5H ₂ O, a complex of Cu(II) with Norfloxacin: theoretic approach and biological studies. Cytotoxicity and genotoxicity in cell cultures. <i>Molecular and Cellular Biochemistry</i> , 2013, 376, 53-61.	1.4	10
34	Bis(oxalato)dioxovanadate(V) and Bis(oxalato)oxoperoxo-vanadate(V) Complexes: Spectroscopic Characterization and Biological Activity. <i>Biological Trace Element Research</i> , 2013, 155, 295-300.	1.9	10
35	Anticancer Activity and Mechanism of Action Evaluation of an Acylhydrazone Cu(II) Complex toward Breast Cancer Cells, Spheroids, and Mammospheres. <i>ChemMedChem</i> , 2022, 17, .	1.6	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. <i>Metallomics</i> , 2020, 12, 1931-1940.	1.0	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. <i>Biological Trace Element Research</i> , 2015, 164, 198-204.	1.9	5
38	Two Different Thiosemicarbazone Tautomeric Conformers Coordinate to Palladium (II). Stability and Biological Studies of the Final Complexes. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1041-1049.	1.0	4
39	Tridentate acylhydrazone copper(II) complexes with heterocyclic bases as coligands. Synthesis, spectroscopic studies, crystal structure and cytotoxicity assays. <i>Polyhedron</i> , 2022, 213, 115621.	1.0	4
40	8-Hydroxyquinoline platinum(II) loaded nanostructured lipid carriers: synthesis, physicochemical characterization and evaluation of antitumor activity. <i>New Journal of Chemistry</i> , 2021, 45, 821-830.	1.4	3
41	Synthesis and Characterization of Novel Copper(II)-Sunitinib Complex: Molecular Docking, DFT Studies, Hirshfeld Analysis and Cytotoxicity Studies. <i>Inorganics</i> , 2022, 10, 3.	1.2	1