

# Miguel Merlos

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,299  
citations

394421

19  
h-index

361022

35  
g-index

50  
all docs

50  
docs citations

50  
times ranked

2417  
citing authors

#	ARTICLE	IF	CITATIONS
1	Conotoxin-derived biomimetic coiled cone-shaped peptide as ligand for selective nanodelivery to norepinephrine transporter-expressing neuroblastoma cells. <i>Applied Materials Today</i> , 2022, 27, 101410.	4.3	1
2	Metallothionein-3 promotes cisplatin chemoresistance remodelling in neuroblastoma. <i>Scientific Reports</i> , 2021, 11, 5496.	3.3	13
3	Extending the Applicability of In Ovo and Ex Ovo Chicken Chorioallantoic Membrane Assays to Study Cytostatic Activity in Neuroblastoma Cells. <i>Frontiers in Oncology</i> , 2021, 11, 707366.	2.8	14
4	Norepinephrine transporter-derived homing peptides enable rapid endocytosis of drug delivery nanovehicles into neuroblastoma cells. <i>Journal of Nanobiotechnology</i> , 2020, 18, 95.	9.1	8
5	Soil protein as a potential antimicrobial agent against methicillin â€‘resistant <i>Staphylococcus aureus</i> . <i>Environmental Research</i> , 2020, 188, 109320.	7.5	4
6	Metallothionein isoforms as double agents â€‘ Their roles in carcinogenesis, cancer progression and chemoresistance. <i>Drug Resistance Updates</i> , 2020, 52, 100691.	14.4	38
7	Drug Sequestration in Lysosomes as One of the Mechanisms of Chemoresistance of Cancer Cells and the Possibilities of Its Inhibition. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4392.	4.1	43
8	Prevalent anatase crystalline phase increases the cytotoxicity of biphasic titanium dioxide nanoparticles in mammalian cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110391.	5.0	10
9	Proteomic analysis of UKF-NB-4 cells reveals a stimulatory activity of MT-3 on cellular senescence and apoptosis. <i>Annals of Oncology</i> , 2019, 30, i13.	1.2	0
10	Transcriptomic Landscape of Cisplatin-Resistant Neuroblastoma Cells. <i>Cells</i> , 2019, 8, 235.	4.1	13
11	Proteomic Signature of Neuroblastoma Cells UKF-NB-4 Reveals Key Role of Lysosomal Sequestration and the Proteasome Complex in Acquiring Chemoresistance to Cisplatin. <i>Journal of Proteome Research</i> , 2019, 18, 1255-1263.	3.7	6
12	Europium and terbium Schiff base peptide complexes as potential antimicrobial agents against <i>Salmonella typhimurium</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemical Papers</i> , 2018, 72, 1437-1449.	2.2	2
13	Sarcosine influences apoptosis and growth of prostate cells via cellâ€™type specific regulation of distinct sets of genes. <i>Prostate</i> , 2018, 78, 104-112.	2.3	8
14	Use of comparative proteomics to identify potential cisplatin-resistance mechanisms in neuroblastoma. <i>Annals of Oncology</i> , 2018, 29, viii677.	1.2	0
15	Real-Time Visualization of Cell Membrane Damage Using Gadoliniumâ€™Schiff Base Complex-Doped Quantum Dots. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 35859-35868.	8.0	19
16	The application of capillary electrophoresis, mass spectrometry and Brdicka reaction in human and rabbit metallothioneins analysis. <i>Advances in Clinical and Experimental Medicine</i> , 2018, 27, 1601-1608.	1.4	1
17	Comparative gene expression profiling of human metallothionein-3 up-regulation in neuroblastoma cells and its impact on susceptibility to cisplatin. <i>Oncotarget</i> , 2018, 9, 4427-4439.	1.8	9
18	Gold nanoparticles-modified nanomaghemite and quantum dots-based hybridization assay for detection of HPV. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 503-510.	7.8	23

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19	The Application of Curve Fitting on the Voltammograms of Various Isoforms of Metallothioneinsâ€“Metal Complexes. International Journal of Molecular Sciences, 2017, 18, 610.	4.1	4
20	The Zinc-Schiff Base-Novicidin Complex as a Potential Prostate Cancer Therapy. PLoS ONE, 2016, 11, e0163983.	2.5	23
21	Fully automated two-step assay for detection of metallothionein through magnetic isolation using functionalized $^{57}\text{Fe}/^{57}\text{Fe}^{2+}$ particles. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1039, 17-27.	2.3	6
22	The arbuscular mycorrhizal fungus <i>Rhizophagus irregularis</i> differentially regulates the copper response of two maize cultivars differing in copper tolerance. Plant Science, 2016, 253, 68-76.	3.6	44
23	Transport phenomena of nanoparticles in plants and animals/humans. Environmental Research, 2016, 151, 233-243.	7.5	60
24	Prostate tumor attenuation in the nu/nu murine model due to anti-sarcosine antibodies in folate-targeted liposomes. Scientific Reports, 2016, 6, 33379.	3.3	23
25	Microarray analysis of metallothioneins in human diseasesâ€“A review. Journal of Pharmaceutical and Biomedical Analysis, 2016, 117, 464-473.	2.8	43
26	Sarcosine Up-Regulates Expression of Genes Involved in Cell Cycle Progression of Metastatic Models of Prostate Cancer. PLoS ONE, 2016, 11, e0165830.	2.5	41
27	Metallothionein as a Scavenger of Free Radicals - New Cardioprotective Therapeutic Agent or Initiator of Tumor Chemoresistance?. Current Drug Targets, 2016, 17, 1438-1451.	2.1	17
28	Fluorescence-tagged metallothionein with CdTe quantum dots analyzed by the chip-CE technique. Journal of Nanoparticle Research, 2015, 17, 423.	1.9	6
29	Jacks of metal/metalloid chelation trade in plantsÃ¢â€šâ€“an overview. Frontiers in Plant Science, 2015, 6, 192.	3.6	148
30	The effect of metal ions on <i>Staphylococcus aureus</i> revealed by biochemical and mass spectrometric analyses. Microbiological Research, 2015, 170, 147-156.	5.3	51
31	Use of green fluorescent proteins for in vitro biosensing. Chemical Papers, 2015, 69, .	2.2	2
32	3Dâ€“printed chip for detection of methicillinâ€“resistant <i>Staphylococcus aureus</i> labeled with gold nanoparticles. Electrophoresis, 2015, 36, 457-466.	2.4	51
33	Identification of estrogen receptor proteins in breast cancer cells using matrix-assisted laser desorption/ionization time of flight mass spectrometry (Review). Oncology Letters, 2014, 7, 1341-1344.	1.8	6
34	Interaction of E6 Gene from Human Papilloma Virus 16 (HPV-16) with CdS Quantum Dots. Chromatographia, 2014, 77, 1433-1439.	1.3	5
35	MALDI-TOF MS as evolving cancer diagnostic tool: A review. Journal of Pharmaceutical and Biomedical Analysis, 2014, 95, 245-255.	2.8	88
36	Comparison of the effects of silver phosphate and selenium nanoparticles on <i>Staphylococcus aureus</i> growth reveals potential for selenium particles to prevent infection. FEMS Microbiology Letters, 2014, 351, 195-201.	1.8	69

#	ARTICLE	IF	CITATIONS
37	Liposomal nanotransporter for targeted binding based on nucleic acid anchor system. Electrophoresis, 2014, 35, 393-404.	2.4	5
38	Defense Related Phytohormones Regulation in Arbuscular Mycorrhizal Symbioses Depends on the Partner Genotypes. Journal of Chemical Ecology, 2014, 40, 791-803.	1.8	78
39	3D printed chip for electrochemical detection of influenza virus labeled with CdS quantum dots. Biosensors and Bioelectronics, 2014, 54, 421-427.	10.1	115
40	Development of a Magnetic Electrochemical Bar Code Array for Point Mutation Detection in the H5N1 Neuraminidase Gene. Viruses, 2013, 5, 1719-1739.	3.3	17
41	Complexes of Silver(I) Ions and Silver Phosphate Nanoparticles with Hyaluronic Acid and/or Chitosan as Promising Antimicrobial Agents for Vascular Grafts. International Journal of Molecular Sciences, 2013, 14, 13592-13614.	4.1	62
42	Effect of sarcosine on antioxidant parameters and metallothionein content in the PC-3 prostate cancer cell line. Oncology Reports, 2013, 29, 2459-2466.	2.6	5
43	Ion Exchange Chromatography and Mass Spectrometric Methods for Analysis of Cadmium-Phytochelatin (II) Complexes. International Journal of Environmental Research and Public Health, 2013, 10, 1304-1311.	2.6	9
44	Electrochemistry of copper(II) induced complexes in mycorrhizal maize plant tissues. Journal of Hazardous Materials, 2012, 203-204, 257-263.	12.4	7
45	GintGRX1, the first characterized glomeromycotan glutaredoxin, is a multifunctional enzyme that responds to oxidative stress. Fungal Genetics and Biology, 2009, 46, 94-103.	2.1	72
46	Nanoscale virus biosensors: state of the art. Nanobiosensors in Disease Diagnosis, 0, , 47.	0.0	26
47	Role of Phytochelatins in Redox Caused Stress in Plants and Animals. , 0, , .		3