

Hugo Osorio

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

3,402
citations

236925
25
h-index

149698
56
g-index

79
all docs

79
docs citations

79
times ranked

6362
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. <i>Nature Cell Biology</i> , 2018, 20, 332-343.	10.3	1,101
2	Alterations in glycosylation as biomarkers for cancer detection. <i>Journal of Clinical Pathology</i> , 2010, 63, 322-329.	2.0	369
3	Reactivity of Human Salivary Proteins Families Toward Food Polyphenols. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 5535-5547.	5.2	128
4	CNS involvement in V30M transthyretin amyloidosis: clinical, neuropathological and biochemical findings. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2015, 86, 159-167.	1.9	97
5	Expression of ST3GAL4 Leads to SLex Expression and Induces c-Met Activation and an Invasive Phenotype in Gastric Carcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e66737.	2.5	96
6	Fut2-null mice display an altered glycosylation profile and impaired BabA-mediated <i>Helicobacter pylori</i> adhesion to gastric mucosa. <i>Glycobiology</i> , 2009, 19, 1525-1536.	2.5	93
7	Different isolation approaches lead to diverse glycosylated extracellular vesicle populations. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1621131.	12.2	78
8	Role of E-cadherin N-glycosylation profile in a mammary tumor model. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 1091-1096.	2.1	67
9	Glycoproteomic Analysis of Serum from Patients with Gastric Precancerous Lesions. <i>Journal of Proteome Research</i> , 2013, 12, 1454-1466.	3.7	65
10	Enzymatic soy protein hydrolysis: A tool for biofunctional food ingredient production. <i>Food Chemistry: X</i> , 2019, 1, 100006.	4.3	53
11	Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression. <i>Gut</i> , 2022, 71, 2043-2068.	12.1	53
12	Autoantibodies to MUC1 glycopeptides cannot be used as a screening assay for early detection of breast, ovarian, lung or pancreatic cancer. <i>British Journal of Cancer</i> , 2013, 108, 2045-2055.	6.4	52
13	H ₂ O ₂ , but not menadione, provokes a decrease in the ATP and an increase in the inosine levels in <i>Saccharomyces cerevisiae</i> . An experimental and theoretical approach. <i>FEBS Journal</i> , 2003, 270, 1578-1589.	0.2	47
14	Role for Sit4p-dependent mitochondrial dysfunction in mediating the shortened chronological lifespan and oxidative stress sensitivity of Isc1p-deficient cells. <i>Molecular Microbiology</i> , 2011, 81, 515-527.	2.5	45
15	Differentiation of <i>Bacillus pumilus</i> and <i>Bacillus safensis</i> Using MALDI-TOF-MS. <i>PLoS ONE</i> , 2014, 9, e110127.	2.5	44
16	Effects on growth, antioxidant enzyme activity and levels of extracellular proteins in the green alga <i>Chlorella vulgaris</i> exposed to crude cyanobacterial extracts and pure microcystin and cylindrospermopsin. <i>Ecotoxicology and Environmental Safety</i> , 2013, 94, 45-53.	6.0	43
17	Changing the shape of hair with keratin peptides. <i>RSC Advances</i> , 2017, 7, 51581-51592.	3.6	38
18	A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . <i>GigaScience</i> , 2020, 9, .	6.4	37

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19	Crosstalk between ROS Homeostasis and Secondary Metabolism in <i>S. natalensis</i> ATCC 27448: Modulation of Pimaricin Production by Intracellular ROS. <i>PLoS ONE</i> , 2011, 6, e27472.	2.5	36
20	Matrisome Profiling During Intervertebral Disc Development And Ageing. <i>Scientific Reports</i> , 2017, 7, 11629.	3.3	35
21	Carcinoembryonic antigen carrying SLe ^x as a new biomarker of more aggressive gastric carcinomas. <i>Theranostics</i> , 2019, 9, 7431-7446.	10.0	35
22	Identification of novel plasma glycosylation-associated markers of aging. <i>Oncotarget</i> , 2016, 7, 7455-7468.	1.8	35
23	Proteomics Analysis of Gastric Cancer Patients with Diabetes Mellitus. <i>Journal of Clinical Medicine</i> , 2021, 10, 407.	2.4	32
24	Proteomic Profiling of Cytosolic Glutathione Transferases from Three Bivalve Species: <i>Corbicula fluminea</i> , <i>Mytilus galloprovincialis</i> and <i>Anodonta cygnea</i> . <i>International Journal of Molecular Sciences</i> , 2014, 15, 1887-1900.	4.1	29
25	Early physiological and biochemical responses of rice seedlings to low concentration of microcystin-LR. <i>Ecotoxicology</i> , 2014, 23, 107-121.	2.4	29
26	Crosstalk between <i>Helicobacter pylori</i> and Gastric Epithelial Cells Is Impaired by Docosahexaenoic Acid. <i>PLoS ONE</i> , 2013, 8, e60657.	2.5	26
27	Porphyrin modified trastuzumab improves efficacy of HER2 targeted photodynamic therapy of gastric cancer. <i>International Journal of Cancer</i> , 2017, 141, 1478-1489.	5.1	24
28	Gastric Cancer Cell Glycosylation as a Modulator of the ErbB2 Oncogenic Receptor. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2262.	4.1	24
29	Proteomic Analyses of the Unexplored Sea Anemone <i>Bunodactis verrucosa</i> . <i>Marine Drugs</i> , 2018, 16, 42.	4.6	23
30	Glutathione Transferases Responses Induced by Microcystin-LR in the Gills and Hepatopancreas of the Clam <i>Venerupis philippinarum</i> . <i>Toxins</i> , 2015, 7, 2096-2120.	3.4	22
31	Src-dependent Tyrosine Phosphorylation of Non-muscle Myosin Heavy Chain-IIA Restricts <i>Listeria monocytogenes</i> Cellular Infection. <i>Journal of Biological Chemistry</i> , 2015, 290, 8383-8395.	3.4	22
32	miR-99a in bone homeostasis: Regulating osteogenic lineage commitment and osteoclast differentiation. <i>Bone</i> , 2020, 134, 115303.	2.9	22
33	The ceramide-activated protein phosphatase Sit4p controls lifespan, mitochondrial function and cell cycle progression by regulating hexokinase 2 phosphorylation. <i>Cell Cycle</i> , 2016, 15, 1620-1630.	2.6	21
34	Impact of thermal treatment and hydrolysis by Alcalase and <i>Cynara cardunculus</i> enzymes on the functional and nutritional value of Okara. <i>Process Biochemistry</i> , 2019, 83, 137-147.	3.7	21
35	Bioengineered surfaces to improve the blood compatibility of biomaterials through direct thrombin inactivation. <i>Acta Biomaterialia</i> , 2012, 8, 4101-4110.	8.3	20
36	<i>Bacillus invictae</i> sp. nov., isolated from a health product. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 3867-3876.	1.7	20

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37	A cytosolic carbonic anhydrase molecular switch occurs in the gills of metamorphic sea lamprey. Scientific Reports, 2016, 6, 33954.	3.3	20
38	In <i>Saccharomyces cerevisiae</i> , the effect of H ₂ O ₂ on ATP, but not on glyceraldehyde-3-phosphate dehydrogenase, depends on the glucose concentration. Archives of Microbiology, 2004, 181, 231-236.	2.2	19
39	Proteomic profiling of gill GSTs in <i>Mytilus galloprovincialis</i> from the North of Portugal and Galicia evidences variations at protein isoform level with a possible relation with water quality. Marine Environmental Research, 2015, 110, 152-161.	2.5	19
40	Proteomic analysis of anatoxin-a acute toxicity in zebrafish reveals gender specific responses and additional mechanisms of cell stress. Ecotoxicology and Environmental Safety, 2015, 120, 93-101.	6.0	18
41	Insights into the potential of picoplanktonic marine cyanobacteria strains for cancer therapies â€“ Cytotoxic mechanisms against the RKO colon cancer cell line. Toxicon, 2016, 119, 140-151.	1.6	18
42	OMICs Approaches in Diarrhetic Shellfish Toxins Research. Toxins, 2020, 12, 493.	3.4	17
43	Transcription initiation arising from E-cadherin/CDH1 intron2: a novel protein isoform that increases gastric cancer cell invasion and angiogenesisâ€“. Human Molecular Genetics, 2012, 21, 4253-4269.	2.9	16
44	Analysis of <i>Pelagia noctiluca</i> proteome Reveals a Red Fluorescent Protein, a Zinc Metalloproteinase and a Peroxiredoxin. Protein Journal, 2017, 36, 77-97.	1.6	16
45	Mass Spectrometry Methods for Studying Glycosylation in Cancer. Methods in Molecular Biology, 2013, 1007, 301-316.	0.9	15
46	Influence of Dietary Supplementation with an Amino Acid Mixture on Inflammatory Markers, Immune Status and Serum Proteome in LPS-Challenged Weaned Piglets. Animals, 2021, 11, 1143.	2.3	14
47	Glycopeptide microarray for autoantibody detection in cancer. Expert Review of Proteomics, 2011, 8, 435-437.	3.0	13
48	Dinucleoside polyphosphates stimulate the primer independent synthesis of poly(A) catalyzed by yeast poly(A) polymerase. FEBS Journal, 2002, 269, 5323-5329.	0.2	12
49	Challenging the limits of detection of sialylated <sc>T</sc>homsenâ€“<sc>F</sc>riedenreich antigens by inâ€“gel deglycosylation and nanoâ€“<sc>LC</sc>â€“<sc>MALDI</sc>â€“<sc>TOF</sc>â€“<sc>MS</sc>. Electrophoresis, 2013, 34, 2337-2341.	2.4	12
50	Sit4p-mediated dephosphorylation of Atp2p regulates ATP synthase activity and mitochondrial function. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 591-601.	1.0	12
51	Chondrogenic differentiation induced by extracellular vesicles bound to a nanofibrous substrate. Npj Regenerative Medicine, 2021, 6, 79.	5.2	12
52	Influence of chronological aging on the survival and nucleotide content of cells grown in different conditions: occurrence of a high concentration of UDP-acetylglucosamine in stationary cells grown in 2% glucose. FEMS Yeast Research, 2005, 5, 387-398.	2.3	11
53	Sequence variation at<i>KLK</i>and<i>WFDC</i>clusters and its association to semen hyperviscosity and other male infertility phenotypes. Human Reproduction, 2016, 31, 2881-2891.	0.9	11
54	Particulate kidney extracellular matrix: bioactivity and proteomic analysis of a novel scaffold from porcine origin. Biomaterials Science, 2021, 9, 186-198.	5.4	11

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55	<i>Helicobacter pylori</i> PqqE is a new virulence factor that cleaves junctional adhesion molecule A and disrupts gastric epithelial integrity. <i>Gut Microbes</i> , 2021, 13, 1-21.	9.8	11
56	Mucosal immunization confers long-term protection against intragastrically established <i>Neospora caninum</i> infection. <i>Vaccine</i> , 2016, 34, 6250-6258.	3.8	10
57	Shotgun Proteomics of Ascidians Tunic Gives New Insights on Host-Microbe Interactions by Revealing Diverse Antimicrobial Peptides. <i>Marine Drugs</i> , 2020, 18, 362.	4.6	10
58	Quantitative proteomic analysis of marine biofilms formed by filamentous cyanobacterium. <i>Environmental Research</i> , 2021, 201, 111566.	7.5	10
59	Endogenous Hepatitis C Virus Homolog Fragments in European Rabbit and Hare Genomes Replicate in Cell Culture. <i>PLoS ONE</i> , 2012, 7, e49820.	2.5	9
60	Conopeptides from Cape Verde <i>Conus crotchii</i> . <i>Marine Drugs</i> , 2013, 11, 2203-2215.	4.6	9
61	Molecular Responses of Mussel <i>Mytilus galloprovincialis</i> Associated to Accumulation and Depuration of Marine Biotoxins Okadaic Acid and Dinophysistoxin-1 Revealed by Shotgun Proteomics. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	9
62	Effects of the naturally-occurring contaminant microcystins on the <i>Azolla filiculoides</i> - <i>Anabaena azollae</i> symbiosis. <i>Ecotoxicology and Environmental Safety</i> , 2015, 118, 11-20.	6.0	8
63	Proteomic and Real-Time PCR analyses of <i>Saccharomyces cerevisiae</i> VL3 exposed to microcystin-LR reveals a set of protein alterations transversal to several eukaryotic models. <i>Toxicon</i> , 2016, 112, 22-28.	1.6	8
64	Modulation of hepatic glutathione transferases isoenzymes in three bivalve species exposed to purified microcystin-LR and Microcystis extracts. <i>Toxicon</i> , 2017, 137, 150-157.	1.6	8
65	Polyphosphates strongly inhibit the tRNA dependent synthesis of poly(A) catalyzed by poly(A) polymerase from <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2003, 550, 41-45.	2.8	7
66	Proteomic Identification of a Gastric Tumor ECM Signature Associated With Cancer Progression. <i>Frontiers in Molecular Biosciences</i> , 2022, 9, 818552.	3.5	7
67	Micromolar HgCl ₂ concentrations transitorily duplicate the ATP level in <i>Saccharomyces cerevisiae</i> cells. <i>FEBS Letters</i> , 2005, 579, 4044-4048.	2.8	6
68	Putative Antimicrobial Peptides of the Posterior Salivary Glands from the Cephalopod <i>Octopus vulgaris</i> Revealed by Exploring a Composite Protein Database. <i>Antibiotics</i> , 2020, 9, 757.	3.7	6
69	Microcystin-LR Detected in a Low Molecular Weight Fraction from Crude Extract of <i>Zoanthus sociatus</i> . <i>Toxins</i> , 2017, 9, 89.	3.4	5
70	Effect of dietary incorporation of <i>Chlorella vulgaris</i> and CAZyme supplementation on the hepatic proteome of finishing pigs. <i>Journal of Proteomics</i> , 2022, 256, 104504.	2.4	5
71	Apoptotic cells selectively uptake minor glycoforms of vitronectin from serum. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2013, 18, 373-384.	4.9	4
72	Hepatitis C-like viruses are produced in cells from rabbit and hare DNA. <i>Scientific Reports</i> , 2015, 5, 14535.	3.3	4

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73	The ovine hepatic mitochondrial proteome: Understanding seasonal weight loss tolerance in two distinct breeds. PLoS ONE, 2019, 14, e0212580.	2.5	4
74	Redoxâ€“Oligomeric State of Peroxiredoxin-2 and Glyceraldehyde-3-Phosphate Dehydrogenase in Obstructive Sleep Apnea Red Blood Cells under Positive Airway Pressure Therapy. Antioxidants, 2020, 9, 1184.	5.1	4
75	Cardiac Amyloidosis Associated with Apolipoprotein A-IV Deposition Diagnosed by Mass Spectrometry-Based Proteomic Analysis. European Journal of Case Reports in Internal Medicine, 2019, 6, 001237.	0.4	4
76	Applications of Proteomics in Aquaculture. , 2016, , 175-209.		3
77	Chicken Feather Keratin Peptides for the Control of Keratinocyte Migration. Applied Sciences (Switzerland), 2021, 11, 6779.	2.5	2
78	Sample Preparation for 2DE Using Samples of Animal Origin. , 2018, , 37-53.		1