Hugo Osorio

List of Publications by Year
in descending order

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	Extracellular Vesicles from Pancreatic Cancer Stem Cells Lead an Intratumor Communication Network (EVNet) to fuel tumour progression. Gut, 2022, 71, 2043-2068.	12.1	53
2	Effect of dietary incorporation of Chlorella vulgaris and CAZyme supplementation on the hepatic proteome of finishing pigs. Journal of Proteomics, 2022, 256, 104504.	2.4	5
3	Proteomic Identification of a Gastric Tumor ECM Signature Associated With Cancer Progression. Frontiers in Molecular Biosciences, 2022, 9, 818552.	3.5	7
4	Particulate kidney extracellular matrix: bioactivity and proteomic analysis of a novel scaffold from porcine origin. Biomaterials Science, 2021, 9, 186-198.	5.4	11
5	Helicobacter pylori PqqE is a new virulence factor that cleaves junctional adhesion molecule A and disrupts gastric epithelial integrity. Gut Microbes, 2021, 13, 1-21.	9.8	11
6	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
7	Chicken Feather Keratin Peptides for the Control of Keratinocyte Migration. Applied Sciences (Switzerland), 2021, 11, 6779.	2.5	2
8	Quantitative proteomic analysis of marine biofilms formed by filamentous cyanobacterium. Environmental Research, 2021, 201, 111566.	7.5	10
9	Proteomics Analysis of Gastric Cancer Patients with Diabetes Mellitus. Journal of Clinical Medicine, 2021, 10, 407.	2.4	32
10	Chondrogenic differentiation induced by extracellular vesicles bound to a nanofibrous substrate. Npj Regenerative Medicine, 2021, 6, 79.	5.2	12
11	Shotgun Proteomics of Ascidians Tunic Gives New Insights on Hostâ€"Microbe Interactions by Revealing Diverse Antimicrobial Peptides. Marine Drugs, 2020, 18, 362.	4.6	10
12	OMICs Approaches in Diarrhetic Shellfish Toxins Research. Toxins, 2020, 12, 493.	3.4	17
13	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
14	Putative Antimicrobial Peptides of the Posterior Salivary Glands from the Cephalopod Octopus vulgaris Revealed by Exploring a Composite Protein Database. Antibiotics, 2020, 9, 757.	3.7	6
15	miR-99a in bone homeostasis: Regulating osteogenic lineage commitment and osteoclast differentiation. Bone, 2020, 134, 115303.	2.9	22
16	A draft genome sequence of the elusive giant squid, Architeuthis dux. GigaScience, 2020, 9, .	6.4	37
17	Molecular Responses of Mussel Mytilus galloprovincialis Associated to Accumulation and Depuration of Marine Biotoxins Okadaic Acid and Dinophysistoxin-1 Revealed by Shotgun Proteomics. Frontiers in Marine Science, 2020, 7, .	2.5	9
18	Carcinoembryonic antigen carrying SLe^X as a new biomarker of more aggressive gastric carcinomas. Theranostics, 2019, 9, 7431-7446.	10.0	35

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19	Different isolation approaches lead to diverse glycosylated extracellular vesicle populations. Journal of Extracellular Vesicles, 2019, 8, 1621131.	12.2	78
20	Impact of thermal treatment and hydrolysis by Alcalase and Cynara cardunculus enzymes on the functional and nutritional value of Okara. Process Biochemistry, 2019, 83, 137-147.	3.7	21
21	Enzymatic soy protein hydrolysis: A tool for biofunctional food ingredient production. Food Chemistry: X, 2019, 1, 100006.	4.3	53
22	The ovine hepatic mitochondrial proteome: Understanding seasonal weight loss tolerance in two distinct breeds. PLoS ONE, 2019, 14, e0212580.	2.5	4
23	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
24	Identification of distinct nanoparticles and subsets of extracellular vesicles by asymmetric flow field-flow fractionation. Nature Cell Biology, 2018, 20, 332-343.	10.3	1,101
25	Sample Preparation for 2DE Using Samples of Animal Origin. , 2018, , 37-53.		1
26	Sit4p-mediated dephosphorylation of Atp2p regulates ATP synthase activity and mitochondrial function. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, 591-601.	1.0	12
27	Proteomic Analyses of the Unexplored Sea Anemone Bunodactis verrucosa. Marine Drugs, 2018, 16, 42.	4.6	23
28	Analysis of Pelagia noctiluca proteome Reveals a Red Fluorescent Protein, a Zinc Metalloproteinase and a Peroxiredoxin. Protein Journal, 2017, 36, 77-97.	1.6	16
29	Matrisome Profiling During Intervertebral Disc Development And Ageing. Scientific Reports, 2017, 7, 11629.	3.3	35
30	Modulation of hepatic glutathione transferases isoenzymes in three bivalve species exposed to purified microcystin-LR and Microcystis extracts. Toxicon, 2017, 137, 150-157.	1.6	8
31	Changing the shape of hair with keratin peptides. RSC Advances, 2017, 7, 51581-51592.	3.6	38
32	Porphyrin modified trastuzumab improves efficacy of HER2 targeted photodynamic therapy of gastric cancer. International Journal of Cancer, 2017, 141, 1478-1489.	5.1	24
33	Gastric Cancer Cell Glycosylation as a Modulator of the ErbB2 Oncogenic Receptor. International Journal of Molecular Sciences, 2017, 18, 2262.	4.1	24
34	MicrocystinâŁLRÂDetectedÂinÂaÂLowÂMolecularÂWeightÂ FractionÂfromÂaÂCrudeÂExtractÂofÂZoanthusÂsociatus. Toxins, 2017, 9, 89.	3.4	5
35	The ceramide-activated protein phosphatase Sit4p controls lifespan, mitochondrial function and cell cycle progression by regulating hexokinase 2 phosphorylation. Cell Cycle, 2016, 15, 1620-1630.	2.6	21
36	Applications of Proteomics in Aquaculture. , 2016, , 175-209.		3

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37	Sequence variation atKLKandWFDCclusters and its association to semen hyperviscosity and other male infertility phenotypes. Human Reproduction, 2016, 31, 2881-2891.	0.9	11
38	Mucosal immunization confers long-term protection against intragastrically established Neospora caninum infection. Vaccine, 2016, 34, 6250-6258.	3.8	10
39	A cytosolic carbonic anhydrase molecular switch occurs in the gills of metamorphic sea lamprey. Scientific Reports, 2016, 6, 33954.	3.3	20
40	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
41	Proteomic and Real-Time PCR analyses of Saccharomyces cerevisiae VL3 exposed to microcystin-LR reveals a set of protein alterations transversal to several eukaryotic models. Toxicon, 2016, 112, 22-28.	1.6	8
42	Identification of novel plasma glycosylation-associated markers of aging. Oncotarget, 2016, 7, 7455-7468.	1.8	35
43	Hepatitis C-like viruses are produced in cells from rabbit and hare DNA. Scientific Reports, 2015, 5, 14535.	3.3	4
44	Glutathione Transferases Responses Induced by Microcystin-LR in the Gills and Hepatopancreas of the Clam Venerupis philippinarum. Toxins, 2015, 7, 2096-2120.	3.4	22
45	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
46	Effects of the naturally-occurring contaminant microcystins on the Azolla filiculoides â€“ Anabaena azollae symbiosis. Ecotoxicology and Environmental Safety, 2015, 118, 11-20.	6.0	8
47	Src-dependent Tyrosine Phosphorylation of Non-muscle Myosin Heavy Chain-IIA Restricts Listeria monocytogenes Cellular Infection. Journal of Biological Chemistry, 2015, 290, 8383-8395.	3.4	22
48	Proteomic profiling of gill GSTs in Mytilus galloprovincialis 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
49	CNS involvement in V30M transthyretin amyloidosis: clinical, neuropathological and biochemical findings. Journal of Neurology, Neurosurgery and Psychiatry, 2015, 86, 159-167.	1.9	97
50	Proteomic Profiling of Cytosolic Glutathione Transferases from Three Bivalve Species: Corbicula fluminea, Mytilus galloprovincialis and Anodonta cygnea. International Journal of Molecular Sciences, 2014, 15, 1887-1900.	4.1	29
51	Early physiological and biochemical responses of rice seedlings to low concentration of microcystin-LR. Ecotoxicology, 2014, 23, 107-121.	2.4	29
52	Bacillus invictae sp. nov., isolated from a health product. International Journal of Systematic and Evolutionary Microbiology, 2014, 64, 3867-3876.	1.7	20
53	Differentiation of Bacillus pumilus and Bacillus safensis Using MALDI-TOF-MS. PLoS ONE, 2014, 9, e110127.	2.5	44
54	Glycoproteomic Analysis of Serum from Patients with Gastric Precancerous Lesions. Journal of Proteome Research, 2013, 12, 1454-1466.	3.7	65

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55	Apoptotic cells selectively uptake minor glycoforms of vitronectin from serum. Apoptosis: an International Journal on Programmed Cell Death, 2013, 18, 373-384.	4.9	4
56	Autoantibodies to MUC1 glycopeptides cannot be used as a screening assay for early detection of breast, ovarian, lung or pancreatic cancer. British Journal of Cancer, 2013, 108, 2045-2055.	6.4	52
57	Challenging the limits of detection of sialylated <scp>T</scp>homsenâ€“<scp>F</scp>riedenreich antigens by inâ€gel deglycosylation and nanoâ€<scp>LC</scp>â€<scp>MALDI</scp>â€<scp>TOF</scp>â€<scp>MS</scp>. Electrophoresis, 2013, 34, 2337-2341.	2.4	12
58	Effects on growth, antioxidant enzyme activity and levels of extracellular proteins in the green alga Chlorella vulgaris exposed to crude cyanobacterial extracts and pure microcystin and cylindrospermopsin. Ecotoxicology and Environmental Safety, 2013, 94, 45-53.	6.0	43
59	Crosstalk between Helicobacter pylori and Gastric Epithelial Cells Is Impaired by Docosahexaenoic Acid. PLoS ONE, 2013, 8, e60657.	2.5	26
60	Conopeptides from Cape Verde Conus crotchii. Marine Drugs, 2013, 11, 2203-2215.	4.6	9
61	Expression of ST3GAL4 Leads to SLex Expression and Induces c-Met Activation and an Invasive Phenotype in Gastric Carcinoma Cells. PLoS ONE, 2013, 8, e66737.	2.5	96
62	Mass Spectrometry Methods for Studying Glycosylation in Cancer. Methods in Molecular Biology, 2013, 1007, 301-316.	0.9	15
63	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
64	Bioengineered surfaces to improve the blood compatibility of biomaterials through direct thrombin inactivation. Acta Biomaterialia, 2012, 8, 4101-4110.	8.3	20
65	Endogenous Hepatitis C Virus Homolog Fragments in European Rabbit and Hare Genomes Replicate in Cell Culture. PLoS ONE, 2012, 7, e49820.	2.5	9
66	Reactivity of Human Salivary Proteins Families Toward Food Polyphenols. Journal of Agricultural and Food Chemistry, 2011, 59, 5535-5547.	5.2	128
67	Crosstalk between ROS Homeostasis and Secondary Metabolism in S. natalensis ATCC 27448: Modulation of Pimaricin Production by Intracellular ROS. PLoS ONE, 2011, 6, e27472.	2.5	36
68	Role for Sit4pâ€dependent mitochondrial dysfunction in mediating the shortened chronological lifespan and oxidative stress sensitivity of Isc1pâ€deficient cells. Molecular Microbiology, 2011, 81, 515-527.	2.5	45
69	Glycopeptide microarray for autoantibody detection in cancer. Expert Review of Proteomics, 2011, 8, 435-437.	3.0	13
70	Alterations in glycosylation as biomarkers for cancer detection. Journal of Clinical Pathology, 2010, 63, 322-329.	2.0	369
71	Fut2-null mice display an altered glycosylation profile and impaired BabA-mediated Helicobacter pylori adhesion to gastric mucosa. Glycobiology, 2009, 19, 1525-1536.	2.5	93
72	Role of E-cadherin N-glycosylation profile in a mammary tumor model. Biochemical and Biophysical Research Communications, 2009, 379, 1091-1096.	2.1	67

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73	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
74	Micromolar HgCl2concentrations transitorily duplicate the ATP level inSaccharomyces cerevisiaecells. FEBS Letters, 2005, 579, 4044-4048.	2.8	6
75	In Saccharomyces cerevisiae , 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
76	H2O2, but not menadione, provokes a decrease in the ATP and an increase in the inosine levels in Saccharomyces cerevisiae. An experimental and theoretical approach. FEBS Journal, 2003, 270, 1578-1589.	0.2	47
77	Polyphosphates strongly inhibit the tRNA dependent synthesis of poly(A) catalyzed by poly(A) polymerase from Saccharomyces cerevisiae. FEBS Letters, 2003, 550, 41-45.	2.8	7
78	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