S Cristobal

List of Publications by Year
in descending order

50 papers	2,273 citations	218677 26 h-index	214800 47 g-index
50 all docs	50 docs citations	50 times ranked	3389 citing authors

#	Article	IF	Citations
1	Competition between Sec- and TAT-dependent protein translocation in Escherichia coli. EMBO Journal, 1999, 18, 2982-2990.	7.8	249
2	A study of quality measures for protein threading models. BMC Bioinformatics, 2001, 2, 5.	2.6	174
3	Early response to nanoparticles in the Arabidopsis transcriptome compromises plant defence and root-hair development through salicylic acid signalling. BMC Genomics, 2015, 16, 341.	2.8	159
4	Identification of Proteomic Signatures of Exposure to Marine Pollutants in Mussels (Mytilus edulis). Molecular and Cellular Proteomics, 2006, 5, 1274-1285.	3.8	153
5	Animal board invited review: advances in proteomics for animal and food sciences. Animal, 2015, 9, 1-17.	3.3	143
6	In Silico Prediction of the Peroxisomal Proteome in Fungi, Plants and Animals. Journal of Molecular Biology, 2003, 330, 443-456.	4.2	103
7	Dose-dependent autophagic effect of titanium dioxide nanoparticles in human HaCaT cells at non-cytotoxic levels. Journal of Nanobiotechnology, 2016, 14, 22.	9.1	101
8	Proteomic research in bivalves. Journal of Proteomics, 2012, 75, 4346-4359.	2.4	94
9	Membrane Insertion of Marginally Hydrophobic Transmembrane Helices Depends on Sequence Context. Journal of Molecular Biology, 2010, 396, 221-229.	4.2	82
10	Ecotoxicoproteomics: A decade of progress in our understanding of anthropogenic impact on the environment. Journal of Proteomics, 2019, 198, 66-77.	2.4	66
11	Repositioning of Transmembrane Î±-Helices during Membrane Protein Folding. Journal of Molecular Biology, 2010, 397, 190-201.	4.2	59
12	Vascular toxicity of ultra-small TiO2 nanoparticles and single walled carbon nanotubes inÂvitro and inÂvivo. Biomaterials, 2015, 63, 1-13.	11.4	59
13	Peroxisomal proteomics, a new tool for risk assessment of peroxisome proliferating pollutants in the marine environment. Proteomics, 2005, 5, 3954-3965.	2.2	57
14	Proteomics and the search for welfare and stress biomarkers in animal production in the one-health context. Molecular BioSystems, 2016, 12, 2024-2035.	2.9	56
15	Pre-Anchoring of Pin1 to Unphosphorylated c-Myc in a Fuzzy Complex Regulates c-Myc Activity. Structure, 2015, 23, 2267-2279.	3.3	48
16	Proteomics-Based Method for the Assessment of Marine Pollution Using Liquid Chromatography Coupled with Two-Dimensional Electrophoresis. Journal of Proteome Research, 2007, 6, 2094-2104.	3.7	47
17	Quantitative proteomic comparison of mouse peroxisomes from liver and kidney. Proteomics, 2007, 7, 1916-1928.	2.2	41
18	Peroxisomal proteomics: Biomonitoring in mussels after the Prestigeâ€™s oil spill. Marine Pollution Bulletin, 2009, 58, 1815-1826.	5.0	40

#	ARTICLE	IF	CITATIONS
19	The effects of engineered nanoparticles on the cellular structure and growth of<i>Saccharomyces cerevisiae</i>. Nanotoxicology, 2014, 8, 363-373.	3.0	40
20	Shotgun analysis of the marine mussel <i>Mytilus edulis</i> hemolymph proteome and mapping the innate immunity elements. Proteomics, 2015, 15, 4021-4029.	2.2	40
21	Shotgun proteomics to unravel marine mussel (Mytilus edulis) response to long-term exposure to low salinity and propranolol in a Baltic Sea microcosm. Journal of Proteomics, 2016, 137, 97-106.	2.4	39
22	The Signal Recognition Particle-targeting Pathway Does Not Necessarily Deliver Proteins to the Sec-translocase inEscherichia coli. Journal of Biological Chemistry, 1999, 274, 20068-20070.	3.4	37
23	The GOLIATH Project: Towards an Internationally Harmonised Approach for Testing Metabolism Disrupting Compounds. International Journal of Molecular Sciences, 2020, 21, 3480.	4.1	35
24	PAX5 is part of a functional transcription factor network targeted in lymphoid leukemia. PLoS Genetics, 2019, 15, e1008280.	3.5	33
25	Purification and properties of a cholesteryl ester hydrolase from rat liver microsomes. Journal of Lipid Research, 1999, 40, 715-725.	4.2	28
26	Peroxisomal proteomic approach for protein profiling in blue mussels (Mytilus edulis) exposed to crude oil. Biomarkers, 2007, 12, 47-60.	1.9	27
27	Purification and properties of a cholesteryl ester hydrolase from rat liver microsomes. Journal of Lipid Research, 1999, 40, 715-25.	4.2	25
28	Environmental OMICS: Current Status and Future Directions. Journal of Integrated OMICS, 2013, 3, .	0.5	22
29	Proteomic study on gender differences in aging kidney of mice. Proteome Science, 2009, 7, 16.	1.7	21
30	Folding of Aquaporin 1: Multiple evidence that helix 3 can shift out of the membrane core. Protein Science, 2014, 23, 981-992.	7.6	18
31	High-Throughput Proteomics: A New Tool for Quality and Safety in Fishery Products. Current Protein and Peptide Science, 2014, 15, 118-133.	1.4	18
32	Age-related subproteomic analysis of mouse liver and kidney peroxisomes. Proteome Science, 2007, 5, 19.	1.7	15
33	Proteomic analyses of early response of unicellular eukaryotic microorganism<i>Tetrahymena thermophila</i>exposed to TiO₂particles. Nanotoxicology, 2016, 10, 542-556.	3.0	15
34	Application of Bioactive Thermal Proteome Profiling to Decipher the Mechanism of Action of the Lipid Lowering 132-Hydroxy-pheophytin Isolated from a Marine Cyanobacteria. Marine Drugs, 2019, 17, 371.	4.6	15
35	Quantitative subproteomic analysis of age-related changes in mouse liver peroxisomes by iTRAQ LCâ€"MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3393-3400.	2.3	12
36	Immunolocalization of a novel cholesteryl ester hydrolase in the endoplasmic reticulum of murine and human hepatocytes. Hepatology, 2001, 33, 662-667.	7.3	11

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37	The Positive Inside Rule Is Stronger When Followed by a Transmembrane Helix. Journal of Molecular Biology, 2014, 426, 2982-2991.	4.2	11
38	Membrane protein shaving with thermolysin can be used to evaluate topology predictors. Proteomics, 2013, 13, 1467-1480.	2.2	10
39	Assessment of functionalized iron oxide nanoparticles in vitro: introduction to integrated nanoimpact index. Environmental Science: Nano, 2015, 2, 380-394.	4.3	9
40	New applications of advanced instrumental techniques for the characterization of food allergenic proteins. Critical Reviews in Food Science and Nutrition, 2022, 62, 8686-8702.	10.3	9
41	Surface proteomics on nanoparticles: a step to simplify the rapid prototyping of nanoparticles. Nanoscale Horizons, 2017, 2, 55-64.	8.0	8
42	Zinc Finger Protein 521 Regulates Early Hematopoiesis through Cell-Extrinsic Mechanisms in the Bone Marrow Microenvironment. Molecular and Cellular Biology, 2018, 38, .	2.3	7
43	Proteomic Analysis of Mussels Exposed to Fresh and Weathered Prestigeâ€™s Oil. Journal of Proteomics and Bioinformatics, 2009, 02, 255-261.	0.4	7
44	Proteomics in Aquaculture. , 2017, , 279-295.		6
45	B Lymphocyte Specification Is Preceded by Extensive Epigenetic Priming in Multipotent Progenitors. Journal of Immunology, 2021, 206, 2700-2713.	0.8	6
46	Systematic analysis of chemical-protein interactions from zebrafish embryo by proteome-wide thermal shift assay, bridging the gap between molecular interactions and toxicity pathways. Journal of Proteomics, 2021, 249, 104382.	2.4	6
47	Proteomics-Based Method for Risk Assessment of Peroxisome Proliferating Pollutants in the Marine Environment. Methods in Molecular Biology, 2008, 410, 123-135.	0.9	5
48	Proteomic Analysis of Endothelial Cells Exposed to Ultrasmall Nanoparticles Reveals Disruption in Paracellular and Transcellular Transport. Proteomics, 2019, 19, e1800228.	2.2	4
49	Proteomic and lipidomic analysis of primary mouse hepatocytes exposed to metal and metal oxide nanoparticles. Journal of Integrated OMICS, 2015, 5, .	0.5	3
50	Abstract 1817: EG-011 is a first-in-class Wiskott-Aldrich syndrome protein (WASp) activator with anti-tumor activity. Cancer Research, 2022, 82, 1817-1817.	0.9	0