

Alexandre Mo Campos

List of Publications by Year in descending order

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89
papers

2,307
citations

257101

24
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243296

44
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90
all docs

90
docs citations

90
times ranked

2538
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Molecular Mechanisms of Microcystin Toxicity in Animal Cells. International Journal of Molecular Sciences, 2010, 11, 268-287. | 1.8 | 440 |
| 2 | Effects of microcystin-LR and cylindrospermopsin on plant-soil systems: A review of their relevance for agricultural plant quality and public health. Environmental Research, 2017, 153, 191-204. | 3.7 | 101 |
| 3 | Proteomic research in bivalves. Journal of Proteomics, 2012, 75, 4346-4359. | 1.2 | 94 |
| 4 | Effects on growth and oxidative stress status of rice plants (<i>Oryza sativa</i>) exposed to two extracts of toxin-producing cyanobacteria (<i>Aphanizomenon ovalisporum</i> and <i>Microcystis aeruginosa</i>). Ecotoxicology and Environmental Safety, 2011, 74, 1973-1980. | 2.9 | 82 |
| 5 | Effects of microcystin-LR, cylindrospermopsin and a microcystin-LR/cylindrospermopsin mixture on growth, oxidative stress and mineral content in lettuce plants (<i>Lactuca sativa</i> L.). Ecotoxicology and Environmental Safety, 2015, 116, 59-67. | 2.9 | 67 |
| 6 | Differential protein expression in two bivalve species; <i>Mytilus galloprovincialis</i> and <i>Corbicula fluminea</i> ; exposed to <i>Cylindrospermopsis raciborskii</i> cells. Aquatic Toxicology, 2011, 101, 109-116. | 1.9 | 65 |
| 7 | Exposure of <i>Lycopersicon Esculentum</i> to Microcystin-LR: Effects in the Leaf Proteome and Toxin Translocation from Water to Leaves and Fruits. Toxins, 2014, 6, 1837-1854. | 1.5 | 50 |
| 8 | New Insights on the Mode of Action of Microcystins in Animal Cells - A Review. Mini-Reviews in Medicinal Chemistry, 2016, 16, 1032-1041. | 1.1 | 49 |
| 9 | Proteomic investigation of the effects of weight loss in the gastrocnemius muscle of wild and NZW rabbits via 2D-electrophoresis and MALDI-TOF MS. Animal Genetics, 2010, 41, 260-272. | 0.6 | 47 |
| 10 | Absence of negative allelopathic effects of cylindrospermopsin and microcystin-LR on selected marine and freshwater phytoplankton species. Hydrobiologia, 2013, 705, 27-42. | 1.0 | 44 |
| 11 | 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. Ecotoxicology and Environmental Safety, 2013, 94, 45-53. | 2.9 | 43 |
| 12 | The effect of chronic kidney disease on the urine proteome in the domestic cat (<i>Felis catus</i>). Veterinary Journal, 2015, 204, 73-81. | 0.6 | 41 |
| 13 | Shotgun analysis of the marine mussel <i>Mytilus edulis</i> hemolymph proteome and mapping the innate immunity elements. Proteomics, 2015, 15, 4021-4029. | 1.3 | 40 |
| 14 | Shotgun proteomics to unravel marine mussel (<i>Mytilus edulis</i>) response to long-term exposure to low salinity and propranolol in a Baltic Sea microcosm. Journal of Proteomics, 2016, 137, 97-106. | 1.2 | 39 |
| 15 | New Method for Simultaneous Determination of Microcystins and Cylindrospermopsin in Vegetable Matrices by SPE-UPLC-MS/MS. Toxins, 2018, 10, 406. | 1.5 | 38 |
| 16 | Mode of action and fate of microcystins in the complex soil-plant ecosystems. Chemosphere, 2019, 225, 270-281. | 4.2 | 37 |
| 17 | A draft genome sequence of the elusive giant squid, <i>Architeuthis dux</i> . GigaScience, 2020, 9, . | 3.3 | 37 |
| 18 | Proteins associated with cork formation in <i>Quercus suber</i> L. stem tissues. Journal of Proteomics, 2011, 74, 1266-1278. | 1.2 | 35 |

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|----|---|-----|-----------|
| 19 | Analysis of the use of microcystin-contaminated water in the growth and nutritional quality of the root-vegetable, <i>Daucus carota</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 752-764. | 2.7 | 35 |
| 20 | Comparative Analysis of the Adhesive Proteins of the Adult Stalked Goose Barnacle <i>Pollicipes pollicipes</i> (Cirripedia: Pedunculata). <i>Marine Biotechnology</i> , 2019, 21, 38-51. | 1.1 | 33 |
| 21 | Identification of bacterial protein markers and enolase as a plant response protein in the infection of <i>Olea europaea</i> subsp. <i>europaea</i> by <i>Pseudomonas savastanoi</i> pv. <i>savastanoi</i> . <i>European Journal of Plant Pathology</i> , 2009, 125, 603-616. | 0.8 | 29 |
| 22 | 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. | 1.8 | 29 |
| 23 | Early physiological and biochemical responses of rice seedlings to low concentration of microcystin-LR. <i>Ecotoxicology</i> , 2014, 23, 107-121. | 1.1 | 29 |
| 24 | Characterisation of <i>Zea mays</i> L. plastidial transglutaminase: interactions with thylakoid membrane proteins. <i>Plant Biology</i> , 2010, 12, 708-716. | 1.8 | 28 |
| 25 | Cytotoxicity of portoamides in human cancer cells and analysis of the molecular mechanisms of action. <i>PLoS ONE</i> , 2017, 12, e0188817. | 1.1 | 25 |
| 26 | Analysis of the Use of <i>Cylindrospermopsis</i> and/or Microcystin-Contaminated Water in the Growth, Mineral Content, and Contamination of <i>Spinacia oleracea</i> and <i>Lactuca sativa</i> . <i>Toxins</i> , 2019, 11, 624. | 1.5 | 25 |
| 27 | Protein extraction and two-dimensional gel electrophoresis of proteins in the marine mussel <i>Mytilus galloprovincialis</i> : an important tool for protein expression studies, food quality and safety assessment. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 1779-1787. | 1.7 | 24 |
| 28 | Effects of storage, processing and proteolytic digestion on microcystin-LR concentration in edible clams. <i>Food and Chemical Toxicology</i> , 2014, 66, 217-223. | 1.8 | 23 |
| 29 | Proteomic Analyses of the Unexplored Sea Anemone <i>Bunodactis verrucosa</i> . <i>Marine Drugs</i> , 2018, 16, 42. | 2.2 | 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. | 1.5 | 22 |
| 31 | A Multi-Bioassay Integrated Approach to Assess the Antifouling Potential of the Cyanobacterial Metabolites Portoamides. <i>Marine Drugs</i> , 2019, 17, 111. | 2.2 | 22 |
| 32 | Purification and in vitro refolding of maize chloroplast transglutaminase over-expressed in <i>Escherichia coli</i> . <i>Biotechnology Letters</i> , 2007, 29, 1255-1262. | 1.1 | 21 |
| 33 | Biochemical and growth performance of the aquatic macrophyte <i>Azolla filiculoides</i> to sub-chronic exposure to <i>cylindrospermopsis</i> . <i>Ecotoxicology</i> , 2015, 24, 1848-1857. | 1.1 | 21 |
| 34 | Structure-Antifouling Activity Relationship and Molecular Targets of Bio-Inspired(thio)xanthenes. <i>Biomolecules</i> , 2020, 10, 1126. | 1.8 | 21 |
| 35 | Impacts of Microcystins on Morphological and Physiological Parameters of Agricultural Plants: A Review. <i>Plants</i> , 2021, 10, 639. | 1.6 | 21 |
| 36 | Lettuce (<i>Lactuca sativa</i> L.) leaf-proteome profiles after exposure to <i>cylindrospermopsis</i> and a microcystin-LR/ <i>cylindrospermopsis</i> mixture: A concentration-dependent response. <i>Phytochemistry</i> , 2015, 110, 91-103. | 1.4 | 20 |

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|----|---|-----|-----------|
| 37 | Establishment of a proteomic reference map for the gastrocnemius muscle in the rabbit (<i>Oryctolagus</i>) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50 2 | 0,9 | 19 |
| 38 | 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. <i>Marine Environmental Research</i> , 2015, 110, 152-161. | 1.1 | 19 |
| 39 | Essential oils from Moroccan plants as promising ecofriendly tools to control toxic cyanobacteria blooms. <i>Industrial Crops and Products</i> , 2020, 143, 111922. | 2.5 | 19 |
| 40 | Proteomic analysis of anatoxin-a acute toxicity in zebrafish reveals gender specific responses and additional mechanisms of cell stress. <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 93-101. | 2.9 | 18 |
| 41 | Insights into the potential of picoplanktonic marine cyanobacteria strains for cancer therapies "Cytotoxic mechanisms against the RKO colon cancer cell line. <i>Toxicon</i> , 2016, 119, 140-151. | 0.8 | 18 |
| 42 | The interactive effects of microcystin-LR and cylindrospermopsin on the growth rate of the freshwater algae <i>Chlorella vulgaris</i> . <i>Ecotoxicology</i> , 2016, 25, 745-758. | 1.1 | 18 |
| 43 | Assessment of Constructed Wetlands™ Potential for the Removal of Cyanobacteria and Microcystins (MC-LR). <i>Water (Switzerland)</i> , 2020, 12, 10. | 1.2 | 18 |
| 44 | OMICs Approaches in Diarrhetic Shellfish Toxins Research. <i>Toxins</i> , 2020, 12, 493. | 1.5 | 17 |
| 45 | Analysis of <i>Pelagia noctiluca</i> proteome Reveals a Red Fluorescent Protein, a Zinc Metalloproteinase and a Peroxiredoxin. <i>Protein Journal</i> , 2017, 36, 77-97. | 0.7 | 16 |
| 46 | Effects of microcystin-LR on <i>Saccharomyces cerevisiae</i> growth, oxidative stress and apoptosis. <i>Toxicon</i> , 2014, 90, 191-198. | 0.8 | 15 |
| 47 | Bioaccessibility and changes on cylindrospermopsin concentration in edible mussels with storage and processing time. <i>Food Control</i> , 2016, 59, 567-574. | 2.8 | 15 |
| 48 | Purification and characterisation of adenosine nucleosidase from <i>Coffea arabica</i> young leaves. <i>Phytochemistry</i> , 2005, 66, 147-151. | 1.4 | 13 |
| 49 | A new method for the simultaneous determination of cyanotoxins (Microcystins and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2 | 3.7 | 13 |
| 50 | The Quantitative Proteome of the Cement and Adhesive Gland of the Pedunculate Barnacle, <i>Pollicipes pollicipes</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 2524. | 1.8 | 13 |
| 51 | Top-Down Proteomics and Farm Animal and Aquatic Sciences. <i>Proteomes</i> , 2016, 4, 38. | 1.7 | 12 |
| 52 | Characterization of planktonic and biofilm cells from two filamentous cyanobacteria using a shotgun proteomic approach. <i>Biofouling</i> , 2020, 36, 631-645. | 0.8 | 12 |
| 53 | Validation of a Method for Cylindrospermopsin Determination in Vegetables: Application to Real Samples Such as Lettuce (<i>Lactuca sativa</i> L.). <i>Toxins</i> , 2018, 10, 63. | 1.5 | 11 |
| 54 | Seaweed Essential Oils as a New Source of Bioactive Compounds for Cyanobacteria Growth Control: Innovative Ecological Biocontrol Approach. <i>Toxins</i> , 2020, 12, 527. | 1.5 | 11 |

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|----|---|-----|-----------|
| 55 | Protective Role of Native Rhizospheric Soil Microbiota Against the Exposure to Microcystins Introduced into Soil-Plant System via Contaminated Irrigation Water and Health Risk Assessment. <i>Toxins</i> , 2021, 13, 118. | 1.5 | 11 |
| 56 | Effects of <i>Chrysosporium</i> (<i>Aphanizomenon</i>) <i>ovalisporum</i> extracts containing cylindrospermopsin on growth, photosynthetic capacity, and mineral content of carrots (<i>Daucus carota</i>). <i>Ecotoxicology</i> , 2017, 26, 22-31. | 1.1 | 10 |
| 57 | Effects of two toxic cyanobacterial crude extracts containing microcystin-LR and cylindrospermopsin on the growth and photosynthetic capacity of the microalga <i>Parachlorella kessleri</i> . <i>Algal Research</i> , 2018, 34, 198-208. | 2.4 | 10 |
| 58 | Potential control of toxic cyanobacteria blooms with Moroccan seaweed extracts. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15218-15228. | 2.7 | 10 |
| 59 | Shotgun Proteomics of Ascidians Tunic Gives New Insights on Host-Microbe Interactions by Revealing Diverse Antimicrobial Peptides. <i>Marine Drugs</i> , 2020, 18, 362. | 2.2 | 10 |
| 60 | The wool proteome and fibre characteristics of three distinct genetic ovine breeds from Portugal. <i>Journal of Proteomics</i> , 2020, 225, 103853. | 1.2 | 10 |
| 61 | Harmful Cyanobacterial Blooms (HCBs): innovative green bioremediation process based on anti-cyanobacteria bioactive natural products. <i>Archives of Microbiology</i> , 2021, 203, 31-44. | 1.0 | 10 |
| 62 | Conopeptides from Cape Verde <i>Conus crotchii</i> . <i>Marine Drugs</i> , 2013, 11, 2203-2215. | 2.2 | 9 |
| 63 | 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, . | 1.2 | 9 |
| 64 | The effect of weight loss on protein profiles of gastrocnemius muscle in rabbits: a study using 1D electrophoresis and peptide mass fingerprinting. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2010, 94, 174-185. | 1.0 | 8 |
| 65 | 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. | 2.9 | 8 |
| 66 | 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. | 0.8 | 8 |
| 67 | Modulation of hepatic glutathione transferases isoenzymes in three bivalve species exposed to purified microcystin-LR and <i>Microcystis</i> extracts. <i>Toxicon</i> , 2017, 137, 150-157. | 0.8 | 8 |
| 68 | GST transcriptional changes induced by a toxic <i>Microcystis aeruginosa</i> strain in two bivalve species during exposure and recovery phases. <i>Ecotoxicology</i> , 2018, 27, 1272-1280. | 1.1 | 8 |
| 69 | Moroccan actinobacteria with promising activity against toxic cyanobacteria <i>Microcystis aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 235-245. | 2.7 | 8 |
| 70 | Proteogenomic Characterization of the Cement and Adhesive Gland of the Pelagic Gooseneck Barnacle <i>Lepas anatifera</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 3370. | 1.8 | 8 |
| 71 | First Report on Cyanotoxin (MC-LR) Removal from Surface Water by Multi-Soil-Layering (MSL) Eco-Technology: Preliminary Results. <i>Water (Switzerland)</i> , 2021, 13, 1403. | 1.2 | 8 |
| 72 | Role of Rhizospheric Microbiota as a Bioremediation Tool for the Protection of Soil-Plant Systems from Microcystins Phytotoxicity and Mitigating Toxin-Related Health Risk. <i>Microorganisms</i> , 2021, 9, 1747. | 1.6 | 7 |

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|----|--|-----|-----------|
| 73 | Comparison of Sample Preparation Methods for Shotgun Proteomic Studies in Aquaculture Species. <i>Proteomes</i> , 2021, 9, 46. | 1.7 | 7 |
| 74 | Potential Use of Chemoprotectants against the Toxic Effects of Cyanotoxins: A Review. <i>Toxins</i> , 2017, 9, 175. | 1.5 | 6 |
| 75 | Proteomics in Aquaculture. , 2017, , 279-295. | | 6 |
| 76 | New Insights in <i>Saccharomyces cerevisiae</i> Response to the Cyanotoxin Microcystin-LR, Revealed by Proteomics and Gene Expression. <i>Toxins</i> , 2020, 12, 667. | 1.5 | 6 |
| 77 | 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. | 1.5 | 6 |
| 78 | From Natural Xanthenes to Synthetic C-1 Aminated 3,4-Dioxygenated Xanthenes as Optimized Antifouling Agents. <i>Marine Drugs</i> , 2021, 19, 638. | 2.2 | 6 |
| 79 | Growth inhibition and microcystin accumulation in bush bean (<i>Phaseolus vulgaris</i> L.) plant irrigated with water containing toxic <i>Chroococcus minutus</i> . <i>Agricultural Water Management</i> , 2022, 261, 107381. | 2.4 | 6 |
| 80 | The Queen Conch (<i>Lobatus gigas</i>) Proteome: A Valuable Tool for Biological Studies in Marine Gastropods. <i>Protein Journal</i> , 2019, 38, 628-639. | 0.7 | 5 |
| 81 | Physiological and Metabolic Responses of Marine Mussels Exposed to Toxic Cyanobacteria <i>Microcystis aeruginosa</i> and <i>Chrysochloris ovalisporum</i> . <i>Toxins</i> , 2020, 12, 196. | 1.5 | 4 |
| 82 | Applications of Proteomics in Aquaculture. , 2016, , 175-209. | | 3 |
| 83 | Alterations in Mediterranean mussel (<i>Mytilus galloprovincialis</i>) composition exposed to cyanotoxins as revealed by analytical pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020, 152, 104970. | 2.6 | 3 |
| 84 | Transcriptomic Profile of the Cockle <i>Cerastoderma edule</i> Exposed to Seasonal Diarrhetic Shellfish Toxin Contamination. <i>Toxins</i> , 2021, 13, 784. | 1.5 | 3 |
| 85 | Effects of Irrigation with Microcystin-Containing Water on Growth, Physiology, and Antioxidant Defense in Strawberry <i>Fragaria vulgaris</i> under Hydroponic Culture. <i>Toxins</i> , 2022, 14, 198. | 1.5 | 3 |
| 86 | Review on Cyanobacterial Studies in Portugal: Current Impacts and Research Needs. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4355. | 1.3 | 2 |
| 87 | Sample Preparation for 2DE Using Samples of Animal Origin. , 2018, , 37-53. | | 1 |
| 88 | Data Employed in the Construction of a Composite Protein Database for Proteogenomic Analyses of Cephalopods Salivary Apparatus. <i>Data</i> , 2020, 5, 110. | 1.2 | 1 |
| 89 | Multi-Soil-Layering Technology: A New Approach to Remove <i>Microcystis aeruginosa</i> and Microcystins from Water. <i>Water (Switzerland)</i> , 2022, 14, 686. | 1.2 | 1 |