

# Ana Cristina O Monteiro-Moreira

## List of Publications by Year in descending order

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98  
papers

2,190  
citations

186265

28  
h-index

276875

41  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dioclea Altissima Seed Lectin (DAL) Prevents Anxiety-like Behavioral Responses in Adult Zebrafish (Danio Rerio): Involvement of GABAergic and 5-HT Systems. CNS and Neurological Disorders - Drug Targets, 2022, 21, 95-103.	1.4	2
2	Evaluation of the ethanolic extract of Myconia albicas (Old Cinnamon) in the alternative model of anxiety in zebrafish. Research, Society and Development, 2022, 11, e50811125048.	0.1	0
3	Chemical profile and anxiolytic- and anticonvulsant-like effects of Miconia albicans (Sw.) Triana (Melastomataceae) leaves in adult zebrafish. Pharmacognosy Magazine, 2021, 17, 146.	0.6	8
4	Depression and the NMDA receptor/NO/cGMP pathway. , 2021, , 179-187.		0
5	Alpha Lipoic Acid Supplementation Improves Ovarian Tissue Vitrification Outcome: An Alternative to Preserve the Ovarian Function of Morada Nova Ewe. Reproductive Sciences, 2021, 28, 3109-3122.	2.5	4
6	Drought, desertification and poverty: A geospatial analysis of snakebite envenoming in the Caatinga biome of Brazil. International Journal of Health Planning and Management, 2021, 36, 1685-1696.	1.7	5
7	Análise de proteínas salivares de corredores de rua após o evento esportivo real. Research, Society and Development, 2021, 10, e114101018183.	0.1	0
8	Low viscosity dietary fiber production by enzymatic hydrolysis of galactomannan from <i>Caesalpinia pulcherrima</i> seeds: Optimization and physicochemical characterization. Journal of Food Processing and Preservation, 2021, 45, e15949.	2.0	3
9	Proteome changes in lamb <i>semimembranosus</i> muscles associated with the inclusion of sunflower cake in their diet. International Journal of Food Science and Technology, 2020, 55, 995-1001.	2.7	5
10	Plant Macromolecules as Biomaterials for Wound Healing. , 2020, , .		0
11	Protein fraction from <i>Artocarpus altilis</i> pulp exhibits antioxidant properties and reverses anxiety behavior in adult zebrafish via the serotonergic system. Journal of Functional Foods, 2020, 66, 103772.	3.4	27
12	Proteins Involved in the Induction of Procoagulant Activity and Autoimmune Response in Patients With Primary Antiphospholipid Syndrome. Clinical and Applied Thrombosis/Hemostasis, 2020, 26, 107602962090533.	1.7	2
13	Animal Galectins and Plant Lectins as Tools for Studies in Neurosciences. Current Neuropharmacology, 2020, 18, 202-215.	2.9	10
14	<i>Caesalpinia pulcherrima</i> seed galactomannan on rheological properties of dairy desserts. Ciencia Rural, 2020, 50, .	0.5	3
15	Neuropharmacological Characterization of <i>Dioclea altissima</i> Seed Lectin (DAL) in Mice: Evidence of Anxiolytic-like Effect Mediated by Serotonergic, GABAergic Receptors and NO Pathway. Current Pharmaceutical Design, 2020, 26, 3895-3904.	1.9	5
16	Use of cashew gum combined with galactomannan for encapsulation of <i>Rosmarinus officinalis</i> essential oil. Journal of Environmental Analysis and Progress, 2020, 5, 369-380.	0.2	1
17	Differences in protein expression associated with ivermectin resistance in <i>Caenorhabditis elegans</i> . Brazilian Journal of Veterinary Parasitology, 2019, 28, 105-112.	0.7	1
18	Mo-CBP3, a 2S albumin from <i>Moringa oleifera</i> , is a complex mixture of isoforms that arise from different post-translational modifications. Plant Physiology and Biochemistry, 2019, 140, 68-77.	5.8	6

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19	A thermostable chitinase from the antagonistic <i>Chromobacterium violaceum</i> that inhibits the development of phytopathogenic fungi. <i>Enzyme and Microbial Technology</i> , 2019, 126, 50-61.	3.2	22
20	Etiology and severity of diarrheal diseases in infants at the semiarid region of Brazil: A case-control study. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007154.	3.0	31
21	New structural insights into anomeric carbohydrate recognition by frutalin: an $\alpha$ -D-galactose-binding lectin from breadfruit seeds. <i>Biochemical Journal</i> , 2019, 476, 101-113.	3.7	4
22	Hydrogel and membrane scaffold formulations of Frutalin (breadfruit lectin) within a polysaccharide galactomannan matrix have potential for wound healing. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 429-442.	7.5	20
23	Gene and protein expression in the reproductive tract of Brazilian Somalis rams. <i>Reproduction in Domestic Animals</i> , 2019, 54, 939-948.	1.4	1
24	Evaluation of the proteomic profiles of ejaculated spermatozoa from Saanen bucks ( <i>Capra hircus</i> ). <i>Animal Reproduction</i> , 2019, 16, 902-913.	1.0	5
25	Gut peptidases from a specialist herbivore of latex plants are capable of milk protein hydrolysis: Inputs for hypoallergenic milk formulas. <i>Food Chemistry</i> , 2018, 255, 260-267.	8.2	14
26	Proteomic identification and purification of seed proteins from native Amazonian species displaying antifungal activity. <i>Planta</i> , 2018, 248, 197-209.	3.2	5
27	Neuropharmacological characterization of frutalin in mice: Evidence of an antidepressant-like effect mediated by the NMDA receptor/NO/cGMP pathway. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 548-554.	7.5	18
28	A panel of protein candidates for comprehensive study of Caprine Arthritis Encephalitis (CAE) infection. <i>Tropical Animal Health and Production</i> , 2018, 50, 43-48.	1.4	4
29	Action mechanism of naphthofuranquinones against fluconazole-resistant <i>Candida tropicalis</i> strains evidenced by proteomic analysis: The role of increased endogenous ROS. <i>Microbial Pathogenesis</i> , 2018, 117, 32-42.	2.9	3
30	Proteomic analysis of follicular fluid from tropically-adapted goats. <i>Animal Reproduction Science</i> , 2018, 188, 35-44.	1.5	20
31	Pattern of protein expression in the epididymis of <i>Oligoryzomys nigripes</i> (Cricetidae, Sigmodontinae). <i>Cell and Tissue Research</i> , 2018, 372, 135-147.	2.9	7
32	Angiopietin-2: A Potential Mediator of the Glycocalyx Injury in Adult Nephrotic Patients. <i>Journal of Clinical Medicine</i> , 2018, 7, 401.	2.4	10
33	Antinociceptive activity of ethanolic extract of <i>Azadirachta indica</i> A. Juss (Neem, Meliaceae) fruit through opioid, glutamatergic and acid-sensitive ion pathways in adult zebrafish ( <i>Danio rerio</i> ). <i>Biomedicine and Pharmacotherapy</i> , 2018, 108, 408-416.	5.6	40
34	Cloning of cDNA sequences encoding cowpea ( <i>Vigna unguiculata</i> ) vicilins: Computational simulations suggest a binding mode of cowpea vicilins to chitin oligomers. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 565-573.	7.5	12
35	Proteomic analysis to identify candidate biomarkers associated with type 1 diabetes. <i>Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy</i> , 2018, Volume 11, 289-301.	2.4	21
36	A novel peroxidase purified from <i>Marsdenia megalantha</i> latex inhibits phytopathogenic fungi mediated by cell membrane permeabilization. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 743-753.	7.5	14

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37	Production in <i>Pichia pastoris</i> , antifungal activity and crystal structure of a class I chitinase from cowpea ( <i>Vigna unguiculata</i> ): Insights into sugar binding mode and hydrolytic action. <i>Biochimie</i> , 2017, 135, 89-103.	2.6	28
38	Sperm membrane proteins associated with the boar semen cryopreservation. <i>Animal Reproduction Science</i> , 2017, 183, 27-38.	1.5	30
39	Proteomic analysis of seminal plasma from locally-adapted "Curraleiro Duro" bulls ( <i>Bos taurus</i> ): identifying biomarkers involved in sperm physiology in endangered animals for conservation of biodiversity. <i>Animal Reproduction Science</i> , 2017, 183, 86-101.	1.5	11
40	Preparation and evaluation of hemicellulose films and their blends. <i>Food Hydrocolloids</i> , 2017, 70, 181-190.	10.7	65
41	A trypsin inhibitor purified from <i>Cassia leiandra</i> seeds has insecticidal activity against <i>Aedes aegypti</i> . <i>Process Biochemistry</i> , 2017, 57, 228-238.	3.7	31
42	Frutapin, a lectin from <i>Artocarpus incisa</i> (breadfruit): cloning, expression and molecular insights. <i>Bioscience Reports</i> , 2017, 37, .	2.4	6
43	Proteome of the rete testis fluid from tropically-adapted Morada Nova rams. <i>Animal Reproduction Science</i> , 2017, 176, 20-31.	1.5	3
44	A Chitin-binding Protein Purified from <i>Moringa oleifera</i> Seeds Presents Anticandidal Activity by Increasing Cell Membrane Permeability and Reactive Oxygen Species Production. <i>Frontiers in Microbiology</i> , 2017, 8, 980.	3.5	41
45	Label-Free Proteome Analysis of Plasma from Patients with Breast Cancer: Stage-Specific Protein Expression. <i>Frontiers in Oncology</i> , 2017, 7, 14.	2.8	30
46	Proteomic analysis of seminal plasma and sperm cells and their associations with semen freezability in Guzerat bulls. <i>Journal of Animal Science</i> , 2016, 94, 5308-5320.	0.5	35
47	A panel of glycoproteins as candidate biomarkers for early diagnosis and treatment evaluation of B-cell acute lymphoblastic leukemia. <i>Biomarker Research</i> , 2016, 4, 1.	6.8	42
48	A 2S Albumin from the Seed Cake of <i>Ricinus communis</i> Inhibits Trypsin and Has Strong Antibacterial Activity against Human Pathogenic Bacteria. <i>Journal of Natural Products</i> , 2016, 79, 2423-2431.	3.0	18
49	Biochemical Profile, Biological Activities, and Toxic Effects of Proteins in the <i>Rhinella schneideri</i> Parotoid Gland Secretion. <i>Journal of Experimental Zoology</i> , 2016, 325, 511-523.	1.2	12
50	First insights into the diversity and functional properties of chitinases of the latex of <i>Calotropis procera</i> . <i>Plant Physiology and Biochemistry</i> , 2016, 108, 361-371.	5.8	28
51	Insights into milk-clotting activity of latex peptidases from <i>Calotropis procera</i> and <i>Cryptostegia grandiflora</i> . <i>Food Research International</i> , 2016, 87, 50-59.	6.2	34
52	Frutalin reduces acute and neuropathic nociceptive behaviours in rodent models of orofacial pain. <i>Chemico-Biological Interactions</i> , 2016, 256, 9-15.	4.0	16
53	First isolation and antinociceptive activity of a lipid transfer protein from noni ( <i>Morinda citrifolia</i> ) seeds. <i>International Journal of Biological Macromolecules</i> , 2016, 86, 71-79.	7.5	22
54	Purification of binder of sperm protein 1 (BSP1) and its effects on bovine <i>in vitro</i> embryo development after fertilization with ejaculated and epididymal sperm. <i>Theriogenology</i> , 2016, 85, 540-554.	2.1	36

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55	Proteomic analysis and purification of an unusual germin-like protein with proteolytic activity in the latex of <i>Thevetia peruviana</i> . <i>Planta</i> , 2016, 243, 1115-1128.	3.2	20
56	Mo-CBP3, an Antifungal Chitin-Binding Protein from <i>Moringa oleifera</i> Seeds, Is a Member of the 2S Albumin Family. <i>PLoS ONE</i> , 2015, 10, e0119871.	2.5	47
57	Growth, testis size, spermatogenesis, semen parameters and seminal plasma and sperm membrane protein profile during the reproductive development of male goats supplemented with de-oiled castor cake. <i>Reproductive Toxicology</i> , 2015, 53, 152-161.	2.9	12
58	Proteome of Soybean Seed Exudates Contains Plant Defense-Related Proteins Active against the Root-Knot Nematode <i>Meloidogyne incognita</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5335-5343.	5.2	24
59	A new peptide from <i>Jatropha curcas</i> seeds: Unusual sequence and insights into its synthetic analogue that enhances proteolytic activity of papain. <i>Process Biochemistry</i> , 2015, 50, 1434-1440.	3.7	3
60	Meat quality assessment from young goats fed for long periods with castor de-oiled cake. <i>Meat Science</i> , 2015, 106, 16-24.	5.5	16
61	Further evidences for the mode of action of the larvicidal m-pentadecadienyl-phenol isolated from <i>Myracrodruon urundeuva</i> seeds against <i>Aedes aegypti</i> . <i>Acta Tropica</i> , 2015, 152, 49-55.	2.0	6
62	Crystal structure of an antifungal osmotin-like protein from <i>Calotropis procera</i> and its effects on <i>Fusarium solani</i> spores, as revealed by atomic force microscopy: Insights into the mechanism of action. <i>Phytochemistry</i> , 2015, 119, 5-18.	2.9	35
63	Crystallization and preliminary X-ray diffraction studies of frutalin, an $\alpha$ -D-galactose-specific lectin from <i>Artocarpus incisa</i> seeds. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2015, 71, 1282-1285.	0.8	3
64	Effect of increased testicular temperature on seminal plasma proteome of the ram. <i>Theriogenology</i> , 2015, 84, 1291-1305.	2.1	40
65	New constitutive latex osmotin-like proteins lacking antifungal activity. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 45-52.	5.8	23
66	Proteomic analysis of responsive stem proteins of resistant and susceptible cashew plants after <i>Lasiodiplodia theobromae</i> infection. <i>Journal of Proteomics</i> , 2015, 113, 90-109.	2.4	18
67	Semen variables and sperm membrane protein profile of Saanen bucks ( <i>Capra hircus</i> ) in dry and rainy seasons of the northeastern Brazil (3 $\text{^\circ}$ S). <i>International Journal of Biometeorology</i> , 2015, 59, 561-573.	3.0	27
68	JcTI-I: a novel trypsin inhibitor from <i>Jatropha curcas</i> seed cake with potential for bacterial infection treatment. <i>Frontiers in Microbiology</i> , 2014, 5, 5.	3.5	42
69	Ethanol-Induced Gastric Injury: Microscopic Analysis of the Protective Effect of Frutalin. <i>International Journal of Peptide Research and Therapeutics</i> , 2014, 20, 325-332.	1.9	4
70	Characterisation of partially hydrolysed galactomannan from <i>Caesalpinia pulcherrima</i> seeds as a potential dietary fibre. <i>Food Hydrocolloids</i> , 2014, 35, 512-521.	10.7	64
71	Protein profile of the seminal plasma of collared peccaries ( <i>Pecari tajacu</i> Linnaeus, 1758). <i>Reproduction</i> , 2014, 147, 753-764.	2.6	28
72	Seminal plasma proteins of adult boars and correlations with sperm parameters. <i>Theriogenology</i> , 2014, 82, 697-707.	2.1	75

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73	Proteomic analysis of salt stress and recovery in leaves of <i>Vigna unguiculata</i> cultivars differing in salt tolerance. <i>Plant Cell Reports</i> , 2014, 33, 1289-1306.	5.6	38
74	Proteomics changes during the incompatible interaction between cowpea and <i>Colletotrichum gloeosporioides</i> (Penz.) Penz and Sacc. <i>Plant Science</i> , 2014, 217-218, 158-175.	3.6	12
75	New insights into the complex mixture of latex cysteine peptidases in <i>Calotropis procera</i> . <i>International Journal of Biological Macromolecules</i> , 2013, 58, 211-219.	7.5	50
76	Membrane-associated proteins of ejaculated sperm from Morada Nova rams. <i>Theriogenology</i> , 2013, 79, 1247-1261.	2.1	42
77	Crystallization and X-ray diffraction analysis of an antifungal laticifer protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 646-649.	0.7	5
78	Insights on the Phytochemical Profile (Cyclopeptides) and Biological Activities of <i>Calotropis procera</i> Latex Organic Fractions. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	2.1	22
79	Purification and Characterization of a Lectin of the Swartzieae Legume Taxa. <i>Protein and Peptide Letters</i> , 2012, 19, 1082-1088.	0.9	5
80	Proteomic analysis of the reproductive tract fluids from tropically-adapted Santa Ines rams. <i>Journal of Proteomics</i> , 2012, 75, 4436-4456.	2.4	83
81	A novel xyloglucan film-based biosensor for toxicity assessment of ricin in castor seed meal. <i>Carbohydrate Polymers</i> , 2012, 89, 586-591.	10.2	8
82	Gastroprotective potential of frutalin, a d-galactose binding lectin, against ethanol-induced gastric lesions. <i>FÃ-toterapÃ-Ãç</i> , 2012, 83, 604-608.	2.2	17
83	ProduÃ§Ã£o de anticorpos policlonais anti-ricina. <i>CiÃncia E Agrotecnologia</i> , 2011, 35, 124-130.	1.5	4
84	Lectins and/or xyloglucans/alginate layers as supports for immobilization of dengue virus particles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 66, 45-52.	5.0	17
85	Involvement of phosphatidylinositol-3 kinase "Akt and nuclear factor kappa-B pathways in the effect of frutalin on human lymphocyte. <i>International Immunopharmacology</i> , 2006, 6, 465-472.	3.8	14
86	Structural characterization of novel chitin-binding lectins from the genus <i>Artocarpus</i> and their antifungal activity. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 146-152.	2.3	65
87	Frutalin, a galactose-binding lectin, induces chemotaxis and rearrangement of actin cytoskeleton in human neutrophils: Involvement of tyrosine kinase and phosphoinositide 3-kinase. <i>Toxicology and Applied Pharmacology</i> , 2005, 208, 145-154.	2.8	22
88	Characterization of principal nutritional components of Brazilian oil palm ( <i>Eliaes guineensis</i> ) fruits. <i>Bioresource Technology</i> , 2003, 87, 1-5.	9.6	29
89	Proline accumulation and glutamine synthetase activity are increased by salt-induced proteolysis in cashew leaves. <i>Journal of Plant Physiology</i> , 2003, 160, 115-123.	3.5	183
90	Unfolding and refolding studies of frutalin, a tetrameric d -galactose binding lectin. <i>FEBS Journal</i> , 2002, 269, 753-758.	0.2	18

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91	Purification and physicochemical characterization of a cotyledonary lectin from <i>Luetzelburgia auriculata</i> . <i>Phytochemistry</i> , 2002, 61, 301-310.	2.9	32
92	Purification and Partial Characterization of the Lectin from the Marine Green Alga <i>Caulerpa cupressoides</i> (Vahl) C. Agardh. <i>Botanica Marina</i> , 2001, 44, .	1.2	18
93	Unfolding and refolding studies of frutalin, a tetrameric d -galactose binding lectin. <i>FEBS Journal</i> , 2001, 268, 5647-5652.	0.2	6
94	Composition and nutritional properties of seeds from <i>Pachira aquatica</i> Aubl, <i>Sterculia striata</i> St Hil et Naud and <i>Terminalia catappa</i> Linn. <i>Food Chemistry</i> , 2000, 70, 185-191.	8.2	70
95	AMINO ACID COMPOSITION OF SOME BRAZILIAN SEAWEED SPECIES. <i>Journal of Food Biochemistry</i> , 2000, 24, 33-39.	2.9	39
96	Isolation and partial characterization of a lectin from <i>Artocarpus incisa</i> L. seeds. <i>Phytochemistry</i> , 1998, 47, 1183-1188.	2.9	50
97	Isolation and characterization of <i>Dioclea altissima</i> var. <i>megacarpa</i> seed lectin. <i>Phytochemistry</i> , 1997, 46, 139-144.	2.9	33
98	Effect of acid catalyst on pyroconversion of breadfruit ( <i>Artocarpus altilis</i> ) starch: Physicochemical and structural properties. <i>Journal of Food Processing and Preservation</i> , 0, , .	2.0	0