

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	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
2	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
3	Seminal plasma proteins of adult boars and correlations with sperm parameters. <i>Theriogenology</i> , 2014, 82, 697-707.	2.1	75
4	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
5	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
6	Preparation and evaluation of hemicellulose films and their blends. <i>Food Hydrocolloids</i> , 2017, 70, 181-190.	10.7	65
7	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
8	Isolation and partial characterization of a lectin from <i>Artocarpus incisa</i> L. seeds. <i>Phytochemistry</i> , 1998, 47, 1183-1188.	2.9	50
9	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
10	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
11	Membrane-associated proteins of ejaculated sperm from Morada Nova rams. <i>Theriogenology</i> , 2013, 79, 1247-1261.	2.1	42
12	JcTI: 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
13	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
14	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
15	Effect of increased testicular temperature on seminal plasma proteome of the ram. <i>Theriogenology</i> , 2015, 84, 1291-1305.	2.1	40
16	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
17	AMINO ACID COMPOSITION OF SOME BRAZILIAN SEAWEED SPECIES. <i>Journal of Food Biochemistry</i> , 2000, 24, 33-39.	2.9	39
18	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

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19	Purification of binder of sperm protein 1 (BSP1) and its effects on bovine in vitro embryo development after fertilization with ejaculated and epididymal sperm. <i>Theriogenology</i> , 2016, 85, 540-554.	2.1	36
20	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
21	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
22	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
23	Isolation and characterization of <i>Dioclea altissima</i> var. <i>megacarpa</i> seed lectin. <i>Phytochemistry</i> , 1997, 46, 139-144.	2.9	33
24	Purification and physicochemical characterization of a cotyledonary lectin from <i>Luetzelburgia auriculata</i> . <i>Phytochemistry</i> , 2002, 61, 301-310.	2.9	32
25	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
26	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
27	Sperm membrane proteins associated with the boar semen cryopreservation. <i>Animal Reproduction Science</i> , 2017, 183, 27-38.	1.5	30
28	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
29	Characterization of principal nutritional components of Brazilian oil palm (<i>Elaeis guineensis</i>) fruits. <i>Bioresource Technology</i> , 2003, 87, 1-5.	9.6	29
30	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
31	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
32	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
33	Semen variables and sperm membrane protein profile of Saanen bucks (<i>Capra hircus</i>) in dry and rainy seasons of the northeastern Brazil (3°S). <i>International Journal of Biometeorology</i> , 2015, 59, 561-573.	3.0	27
34	Protein fraction from <i>Artocarpus altilis</i> pulp exhibits antioxidant properties and reverses anxiety behavior in adult zebrafish via the serotonergic system. <i>Journal of Functional Foods</i> , 2020, 66, 103772.	3.4	27
35	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
36	New constitutive latex osmotin-like proteins lacking antifungal activity. <i>Plant Physiology and Biochemistry</i> , 2015, 96, 45-52.	5.8	23

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37	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
38	Insights on the Phytochemical Profile (Cyclopeptides) and Biological Activities of Calotropis procera Latex Organic Fractions. <i>Scientific World Journal</i> , The, 2013, 2013, 1-9.	2.1	22
39	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
40	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
41	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
42	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
43	Proteomic analysis of follicular fluid from tropically-adapted goats. <i>Animal Reproduction Science</i> , 2018, 188, 35-44.	1.5	20
44	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
45	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
46	Unfolding and refolding studies of frutalin, a tetrameric d -galactose binding lectin. <i>FEBS Journal</i> , 2002, 269, 753-758.	0.2	18
47	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
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	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
50	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
51	Gastroprotective potential of frutalin, a d-galactose binding lectin, against ethanol-induced gastric lesions. <i>Farmacoterapia</i> , 2012, 83, 604-608.	2.2	17
52	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
53	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
54	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

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55	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
56	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
57	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
58	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
59	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
60	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
61	Proteomic analysis of seminal plasma from locally-adapted Curraleiro Pã©-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
62	Angiopoietin-2: A Potential Mediator of the Glycocalyx Injury in Adult Nephrotic Patients. <i>Journal of Clinical Medicine</i> , 2018, 7, 401.	2.4	10
63	Animal Galectins and Plant Lectins as Tools for Studies in Neurosciences. <i>Current Neuropharmacology</i> , 2020, 18, 202-215.	2.9	10
64	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
65	Chemical profile and anxiolytic- and anticonvulsant-like effects of <i>Miconia albicans</i> (Sw.) Triana (Melastomataceae) leaves in adult zebrafish. <i>Pharmacognosy Magazine</i> , 2021, 17, 146.	0.6	8
66	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
67	Unfolding and refolding studies of frutalin, a tetrameric d -galactose binding lectin. <i>FEBS Journal</i> , 2001, 268, 5647-5652.	0.2	6
68	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
69	Frutapin, a lectin from <i>Artocarpus incisa</i> (breadfruit): cloning, expression and molecular insights. <i>Bioscience Reports</i> , 2017, 37, .	2.4	6
70	Mo-CBP3, a 2S albumin from <i>Moringa oleifera</i> , is a complex mixture of isoforms that arise from different post-translational modifications. <i>Plant Physiology and Biochemistry</i> , 2019, 140, 68-77.	5.8	6
71	Purification and Characterization of a Lectin of the Swartzieae Legume Taxa. <i>Protein and Peptide Letters</i> , 2012, 19, 1082-1088.	0.9	5
72	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

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73	Proteomic identification and purification of seed proteins from native Amazonian species displaying antifungal activity. <i>Planta</i> , 2018, 248, 197-209.	3.2	5
74	Proteome changes in lamb <i>semimembranosus</i> muscles associated with the inclusion of sunflower cake in their diet. <i>International Journal of Food Science and Technology</i> , 2020, 55, 995-1001.	2.7	5
75	Drought, desertification and poverty: A geospatial analysis of snakebite envenoming in the Caatinga biome of Brazil. <i>International Journal of Health Planning and Management</i> , 2021, 36, 1685-1696.	1.7	5
76	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
77	Neuropharmacological Characterization of Dioclea altissima Seed Lectin (DAL) in Mice: Evidence of Anxiolytic-like Effect Mediated by Serotonergic, GABAergic Receptors and NO Pathway. <i>Current Pharmaceutical Design</i> , 2020, 26, 3895-3904.	1.9	5
78	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
79	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
80	New structural insights into anomeric carbohydrate recognition by frutalin: an α -D-galactose-binding lectin from breadfruit seeds. <i>Biochemical Journal</i> , 2019, 476, 101-113.	3.7	4
81	Alpha Lipoic Acid Supplementation Improves Ovarian Tissue Vitrification Outcome: An Alternative to Preserve the Ovarian Function of Morada Nova Ewe. <i>Reproductive Sciences</i> , 2021, 28, 3109-3122.	2.5	4
82	Produção de anticorpos policlonais anti-ricina. <i>Ciencia E Agrotecnologia</i> , 2011, 35, 124-130.	1.5	4
83	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
84	Crystallization and preliminary X-ray diffraction studies of frutalin, an α -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
85	Proteome of the rete testis fluid from tropically-adapted Morada Nova rams. <i>Animal Reproduction Science</i> , 2017, 176, 20-31.	1.5	3
86	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
87	Low viscosity dietary fiber production by enzymatic hydrolysis of galactomannan from <i>Caesalpinia pulcherrima</i> seeds: Optimization and physicochemical characterization. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15949.	2.0	3
88	<i>Caesalpinia pulcherrima</i> seed galactomannan on rheological properties of dairy desserts. <i>Ciencia Rural</i> , 2020, 50, .	0.5	3
89	Proteins Involved in the Induction of Procoagulant Activity and Autoimmune Response in Patients With Primary Antiphospholipid Syndrome. <i>Clinical and Applied Thrombosis/Hemostasis</i> , 2020, 26, 107602962090533.	1.7	2
90	Dioclea Altissima Seed Lectin (DAL) Prevents Anxiety-like Behavioral Responses in Adult Zebrafish (<i>Danio Rerio</i>): Involvement of GABAergic and 5-HT Systems. <i>CNS and Neurological Disorders - Drug Targets</i> , 2022, 21, 95-103.	1.4	2

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91	Differences in protein expression associated with ivermectin resistance in <i>Caenorhabditis elegans</i> . <i>Brazilian Journal of Veterinary Parasitology</i> , 2019, 28, 105-112.	0.7	1
92	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
93	Use of cashew gum combined with galactomannan for encapsulation of <i>Rosmarinus officinalis</i> essential oil. <i>Journal of Environmental Analysis and Progress</i> , 2020, 5, 369-380.	0.2	1
94	Plant Macromolecules as Biomaterials for Wound Healing. , 2020, , .		0
95	Depression and the NMDA receptor/NO/cGMP pathway. , 2021, , 179-187.		0
96	Análise de proteínas salivares de corredores de rua após evento esportivo real. <i>Research, Society and Development</i> , 2021, 10, e114101018183.	0.1	0
97	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
98	Evaluation of the ethanolic extract of <i>Myconia albica</i> s (Old Cinnamon) in the alternative model of anxiety in zebrafish. <i>Research, Society and Development</i> , 2022, 11, e50811125048.	0.1	0