Marcelo V De Sousa

List of Publications by Year in descending order

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		147801	233421
119	2,794	31	45
papers	citations	h-index	g-index
101	101	101	2470
121	121	121	3470
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	NBS-LRR-WRKY genes and protease inhibitors (PIs) seem essential for cowpea resistance to root-knot nematode. Journal of Proteomics, 2022, 261, 104575.	2.4	4
2	Mitochondrial pyruvate carrier as a key regulator of fever and neuroinflammation. Brain, Behavior, and Immunity, 2021, 92, 90-101.	4.1	6
3	In-depth quantitative proteomic characterization of organotypic hippocampal slice culture reveals sex-specific differences in biochemical pathways. Scientific Reports, 2021, 11, 2560.	3.3	5
4	Comparative proteomic analysis of kinesin-8B deficient Plasmodium berghei during gametogenesis. Journal of Proteomics, 2021, 236, 104118.	2.4	2
5	Quantitative proteomics and phosphoproteomics of Trypanosoma cruzi epimastigote cell cycle. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140619.	2.3	6
6	Mapping Salivary Proteases in Sjögren's Syndrome Patients Reveals Overexpression of Dipeptidyl Peptidase-4/CD26. Frontiers in Immunology, 2021, 12, 686480.	4.8	8
7	iTRAQ-based proteomic analysis of Paracoccidioides brasiliensis in response to hypoxia. Microbiological Research, 2021, 247, 126730.	5.3	6
8	An Integrative Sialomic Analysis Reveals Molecules From Triatoma sordida (Hemiptera: Reduviidae). Frontiers in Cellular and Infection Microbiology, 2021, 11, 798924.	3.9	3
9	Novel Possible Protein Targets in Neovascular Age-Related Macular Degeneration: A Pilot Study Experiment. Frontiers in Medicine, 2021, 8, 692272.	2.6	3
10	Root proteome and metabolome reveal a high nutritional dependency of aluminium in Qualea grandiflora Mart. (Vochysiaceae). Plant and Soil, 2020, 446, 125-143.	3.7	13
11	Evaluation of different secretomes produced by Clonostachys byssicola as tools to holocellulose breakdown. International Biodeterioration and Biodegradation, 2020, 148, 104880.	3.9	7
12	Proteomic Mapping of Multifunctional Complexes Within Triatomine Saliva. Frontiers in Cellular and Infection Microbiology, 2020, 10, 459.	3.9	4
13	Paternal Resistance Training Induced Modifications in the Left Ventricle Proteome Independent of Offspring Diet. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-19.	4.0	9
14	Paternal Resistance Training Modulates Calcaneal Tendon Proteome in the Offspring Exposed to High-Fat Diet. Frontiers in Cell and Developmental Biology, 2020, 8, 380.	3.7	8
15	Dynamic proteomic analysis of Aedes aegypti Aag-2 cells infected with Mayaro virus. Parasites and Vectors, 2020, 13, 297.	2.5	10
16	ls Proteomics Possible Without Mass Spectrometry?. Brazilian Journal of Analytical Chemistry, 2020, 7, 11-12.	0.5	0
17	Mild hydrothermal pretreatment of sugarcane bagasse enhances the production of holocellulases by Aspergillus niger. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 1517-1529.	3.0	5
18	Proteomic analysis in cells treated with pristine carbon nano-onions and its subcellular localization. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2019, 10, 035011.	1.5	4

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19	Proteome Dataset of Qualea grandiflora Mart. (Vochysiaceae) by LC–MS/MS Labelâ€Free Identification in Response to Aluminum. Proteomics, 2019, 19, 1900148.	2.2	4
20	Metabolic Peculiarities of Paracoccidioides brasiliensis Dimorphism as Demonstrated by iTRAQ Labeling Proteomics. Frontiers in Microbiology, 2019, 10, 555.	3.5	19
21	Cytoglobin Attenuates Neuroinflammation in Lipopolysaccharide-Activated Primary Preoptic Area Cells via NF-κB Pathway Inhibition. Frontiers in Molecular Neuroscience, 2019, 12, 307.	2.9	6
22	Stress and cell cycle regulation during somatic embryogenesis plays a key role in oil palm callus development. Journal of Proteomics, 2019, 192, 137-146.	2.4	15
23	Biochemical and structural characterization of a protein complex containing a hyaluronidase and a CRISP-like protein isolated from the venom of the spider Acanthoscurria natalensis. Journal of Proteomics, 2019, 192, 102-113.	2.4	9
24	Exploring the molecular complexity of Triatoma dimidiata sialome. Journal of Proteomics, 2018, 174, 47-60.	2.4	17
25	Increase of reactive oxygen species in different tissues during lipopolysaccharide-induced fever and antipyresis: an electron paramagnetic resonance study. Free Radical Research, 2018, 52, 351-361.	3.3	14
26	Dynamic molecular events associated to Plasmodium berghei gametogenesis through proteomic approach. Journal of Proteomics, 2018, 180, 88-98.	2.4	11
27	Proteomic landscape of seminal plasma associated with dairy bull fertility. Scientific Reports, 2018, 8, 16323.	3.3	77
28	Proteome analysis of Phytomonas serpens, a phytoparasite of medical interest. PLoS ONE, 2018, 13, e0204818.	2.5	3
29	Label-free quantitative proteomics of rat hypothalamus under fever induced by LPS and PGE2. Journal of Proteomics, 2018, 187, 182-199.	2.4	14
30	Growth and expression of relevant metabolic genes of <i>Clostridium thermocellum</i> cultured on lignocellulosic residues. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 825-834.	3.0	11
31	Characterizing the Structure and Oligomerization of Major Royal Jelly Protein 1 (MRJP1) by Mass Spectrometry and Complementary Biophysical Tools. Biochemistry, 2017, 56, 1645-1655.	2.5	27
32	Identification of multienzymatic complexes in the Clonostachys byssicola secretomes produced in response to different lignocellulosic carbon sources. Journal of Biotechnology, 2017, 254, 51-58.	3.8	13
33	Characterization of Clostridium thermocellum (B8) secretome and purified cellulosomes for lignocellulosic biomass degradation. Enzyme and Microbial Technology, 2017, 97, 43-54.	3.2	32
34	Mass Spectrometry-Based Approaches to Understand the Molecular Basis of Memory. Frontiers in Chemistry, 2016, 4, 40.	3.6	7
35	CN-GELFrEE - Clear Native Gel-eluted Liquid Fraction Entrapment Electrophoresis. Journal of Visualized Experiments, 2016, , 53597.	0.3	9
36	Trypanosoma cruzi mitochondrial tryparedoxin peroxidase is located throughout the cell and its pull down provides one step towards the understanding of its mechanism of action. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 1-10.	2.3	8

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37	A Deep Insight into the Sialome of Rhodnius neglectus, a Vector of Chagas Disease. PLoS Neglected Tropical Diseases, 2016, 10, e0004581.	3.0	25
38	Native GELFrEE: A New Separation Technique for Biomolecular Assemblies. Analytical Chemistry, 2015, 87, 3032-3038.	6.5	38
39	Secretomic Analysis Reveals Multi-Enzymatic Complexes in Trichoderma reesei Grown in Media Containing Lactose or Galactose. Bioenergy Research, 2015, 8, 1906-1911.	3.9	6
40	Evaluation of plant cell wall degrading enzyme production by Clostridium thermocellum B8 in the presence of raw agricultural wastes. International Biodeterioration and Biodegradation, 2015, 105, 97-105.	3.9	12
41	Unveiling the Trypanosoma cruzi Nuclear Proteome. PLoS ONE, 2015, 10, e0138667.	2.5	15
42	Comparative Two-Dimensional Gel Electrophoresis of Trypanosoma cruzi Mammalian-Stage Forms in an Alkaline pH Range. Protein and Peptide Letters, 2015, 22, 1066-1075.	0.9	4
43	Inhibition of Autoimmune Chagas-Like Heart Disease by Bone Marrow Transplantation. PLoS Neglected Tropical Diseases, 2014, 8, e3384.	3.0	8
44	Effect of Triton X-100 and Dtt Concentrations on Wide Range Two-Dimensional Gel Electrophoresis of Tissue, Cell and Fluid Proteomes. Organelles Proteomics, 2014, 1, .	0.2	0
45	Cellulase Systems in Trichoderma. , 2014, , 229-244.		10
46	Secretomic Survey of <i>Trichoderma harzianum</i> Grown on Plant Biomass Substrates. Journal of Proteome Research, 2014, 13, 1810-1822.	3.7	23
47	Cell Surface Proteome Analysis of Human-Hosted <i>Trypanosoma cruzi</i> Life Stages. Journal of Proteome Research, 2014, 13, 3530-3541.	3.7	21
48	Characterization of Clostridium thermocellum Isolates Grown on Cellulose and Sugarcane Bagasse. Bioenergy Research, 2013, 6, 763-775.	3.9	19
49	Worker Honeybee Brain Proteome. Journal of Proteome Research, 2012, 11, 1485-1493.	3.7	48
50	Blue nativeâ€PAGE analysis of Trichoderma harzianum secretome reveals cellulases and hemicellulases working as multienzymatic complexes. Proteomics, 2012, 12, 2729-2738.	2.2	26
51	Secretome analysis of the fungus <i>Trichoderma harzianum</i> grown on cellulose. Proteomics, 2012, 12, 2716-2728.	2.2	51
52	Precipitation of kidney myosin IIA and IIB by freezing. Cell Biology International, 2011, 35, 259-266.	3.0	0
53	Overexpression of myosin-IIB in the brain of a rat model of streptozotocin-induced diabetes. Journal of the Neurological Sciences, 2011, 303, 43-49.	0.6	6
54	Identification, characterization and regulation studies of the aconitase of Paracoccidioides brasiliensis. Fungal Biology, 2011, 115, 697-707.	2.5	14

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55	A quantitative view of the morphological phases of Paracoccidioides brasiliensis using proteomics. Journal of Proteomics, 2011, 75, 572-587.	2.4	69
56	Anti-proliferative and cytotoxic activity of pentadactylin isolated from Leptodactylus labyrinthicus on melanoma cells. Amino Acids, 2011, 40, 51-59.	2.7	38
57	Calcium effect and pH-dependence on self-association and structural stability of the Apis mellifera major royal jelly protein 1. Apidologie, 2011, 42, 252-269.	2.0	14
58	Purification and functional characterization of a new metalloproteinase (BleucMP) from Bothrops leucurus snake venom. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2011, 153, 290-300.	2.6	26
59	2-DE-based proteomic investigation of the saliva of the Amazonian triatomine vectors of Chagas disease: Rhodnius brethesi and Rhodnius robustus. Journal of Proteomics, 2011, 74, 1652-1663.	2.4	18
60	New Insights in Trichoderma harzianum Antagonism of Fungal Plant Pathogens by Secreted Protein Analysis. Current Microbiology, 2010, 61, 298-305.	2.2	78
61	Paracoccin from <i>Paracoccidioides brasiliensis</i> ; purification through affinity with chitin and identification of <i>N</i> â€acetylâ€î²â€ <scp>D</scp> â€glucosaminidase activity. Yeast, 2010, 27, 67-76.	1.7	24
62	Detection of a homotetrameric structure and protein-protein interactions of <i>Paracoccidioides brasiliensis</i> formamidase lead to new functional insights. FEMS Yeast Research, 2010, 10, 104-113.	2.3	35
63	Improving Carotenoids and Amino-Acids in Cassava. Recent Patents on Food, Nutrition & Agriculture, 2009, 1, 32-38.	0.9	17
64	Identification of major royal jelly proteins in the brain of the honeybee Apis mellifera. Journal of Insect Physiology, 2009, 55, 671-677.	2.0	36
65	Proteomic Analysis of Honey Bee Brain upon Ontogenetic and Behavioral Development. Journal of Proteome Research, 2009, 8, 1464-1473.	3.7	67
66	Hylin a1, the first cytolytic peptide isolated from the arboreal South American frog Hypsiboas albopunctatus ("spotted treefrogâ€) . Peptides, 2009, 30, 291-296.	2.4	62
67	Sulphate uptake and metabolism in water hyacinth and salvinia during cadmium stress. Aquatic Botany, 2009, 91, 257-261.	1.6	13
68	Endogenous abscisic acid and protein contents during seed development of Araucaria angustifolia. Biologia Plantarum, 2008, 52, 101-104.	1.9	37
69	Trypanosoma cruzi alkaline 2-DE: Optimization and application to comparative proteome analysis of flagellate life stages. Proteome Science, 2008, 6, 24.	1.7	27
70	Identification of calmodulin-binding proteins in brain of worker honeybees. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2008, 151, 41-45.	1.6	12
71	Carboxypeptidase B and other kininases of the rat coronary and mesenteric arterial bed perfusates. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H3550-H3557.	3.2	7
72	Purification, characterization and homology analysis of ocellatin 4, a cytolytic peptide from the skin secretion of the frog Leptodactylus ocellatus. Toxicon, 2007, 50, 1095-1104.	1.6	33

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73	Profiling theBordetellapertussisProteome during Iron Starvation. Journal of Proteome Research, 2007, 6, 2518-2528.	3.7	40
74	Evidence for glycosylation on a DNA-binding protein of Salmonella enterica. Microbial Cell Factories, 2007, 6, 11.	4.0	10
75	The saliva proteome of the blood-feeding insect Triatoma infestans is rich in platelet-aggregation inhibitors. International Journal of Mass Spectrometry, 2007, 268, 265-276.	1.5	30
76	Presence of the cytolytic protein enterolobin in different developmental stages of Enterolobium contortisiliquum seeds. Brazilian Journal of Plant Physiology, 2007, 19, 163-170.	0.5	3
77	Purification and characterization of a novel pectinase from Acrophialophora nainiana with emphasis on its physicochemical properties. Journal of Biotechnology, 2006, 123, 33-42.	3.8	58
78	Ontogenetic variations in the venom proteome of the Amazonian snake Bothrops atrox. Proteome Science, 2006, 4, 11.	1.7	120
79	Proteome Analysis of Resting Human Neutrophils. Protein and Peptide Letters, 2006, 13, 481-487.	0.9	20
80	Proteome analysis of brown spider venom: Identification of loxnecrogin isoforms in Loxosceles gaucho venom. Proteomics, 2005, 5, 2167-2176.	2.2	79
81	Correlation between fertility and levels of protein, sugar and free amino acids in seminal plasma of Nelore bulls. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2005, 57, 55-61.	0.4	15
82	Hylins: Bombinins H Structurally Related Peptides from the Skin Secretion of the Brazilian Tree-Frog Hyla biobeba. Protein and Peptide Letters, 2005, 12, 89-93.	0.9	22
83	Proteome Analysis of Nelore Bull (Bos taurus indicus) Seminal Plasma. Protein and Peptide Letters, 2005, 12, 813-817.	0.9	15
84	The Thermophilic, Homohexameric Aminopeptidase of Borrelia burgdorferi Is a Member of the M29 Family of Metallopeptidases. Infection and Immunity, 2005, 73, 2253-2261.	2.2	10
85	Sequence Similarity-Based Proteomics in Insects:Â Characterization of the Larvae Venom of the Brazilian MothCerodirphiaspeciosa. Journal of Proteome Research, 2005, 4, 862-869.	3.7	38
86	Primary structure, behavioral and electroencephalographic effects of an epileptogenic peptide from the sea anemone Bunodosoma cangicum. Toxicon, 2005, 45, 207-217.	1.6	20
87	Triatoma infestans Apyrases Belong to the 5′-Nucleotidase Family. Journal of Biological Chemistry, 2004, 279, 19607-19613.	3.4	71
88	Ocellatins: New Antimicrobial Peptides from the Skin Secretion of the South American Frog Leptodactylus ocellatus (Anura: Leptodactylidae). Protein Journal, 2004, 23, 501-508.	1.6	43
89	Proteomic analysis of the human pathogenTrypanosoma cruzi. Proteomics, 2004, 4, 1052-1059.	2.2	81
90	Proteomic Analysis ofTrypanosoma cruziDevelopmental Stages Using Isotope-Coded Affinity Tag Reagents. Journal of Proteome Research, 2004, 3, 517-524.	3.7	33

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91	Purification and characterization of loxnecrogin, a dermonecrotic toxin from Loxosceles gaucho brown spider venom. The Protein Journal, 2003, 22, 135-146.	1.1	41
92	The structure of a new sea anemone toxin: a molecular modeling study of cangitoxin. Computational and Theoretical Chemistry, 2003, 624, 87-95.	1.5	1
93	The plant cytolytic protein enterolobin assumes a dimeric structure in solution. FEBS Letters, 2003, 549, 47-51.	2.8	12
94	Purification and primary structure determination of Tf4, the first bioactive peptide isolated from the venom of the Brazilian scorpion Tityus fasciolatus. Toxicon, 2003, 41, 737-745.	1.6	18
95	Composition of indolealkylamines of Bufo rubescens cutaneous secretions compared to six other Brazilian bufonids with phylogenetic implications. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2003, 134, 641-649.	1.6	44
96	Ontogenetic variation of metalloproteinases and plasma coagulant activity in venoms of wild Bothrops atrox specimens from Amazonian rain forest. Toxicon, 2002, 40, 997-1006.	1.6	71
97	Involvement of G proteins and cAMP in the production of chitinolytic enzymes by Trichoderma harzianum. Brazilian Journal of Microbiology, 2002, 33, .	2.0	4
98	Behavioral and electroencephalographic analysis of seizures induced by intrahippocampal injection of granulitoxin, a neurotoxic peptide from the sea anemone Bunodosoma granulifera. Brazilian Journal of Medical and Biological Research, 2001, 34, 797-801.	1.5	9
99	Title is missing!. World Journal of Microbiology and Biotechnology, 2000, 16, 383-386.	3.6	43
100	Purification and characterization of a new xylanase from Acrophialophora nainiana. Journal of Biotechnology, 2000, 81, 199-204.	3.8	51
101	Expression of a methionine-rich storage albumin from the Brazil nut (Bertholletia excelsa H.B.K.,) Tj ETQq1 1 0.784 Biology, 1999, 22, 445-449.	4314 rgBT 1.3	/Overlock 1 62
102	Purification and characterization of a low molecular weight xylanase from solid-state cultures of Aspergillus fumigatus Fresenius. Revista De Microbiologia, 1999, 30, 114-119.	0.1	33
103	Cytosolic and nuclear localization of the cytolytic and insecticidal plant protein enterolobin. Journal of Experimental Botany, 1999, 50, 1743-1750.	4.8	3
104	A new xylanase from a Trichoderma harzianum strain. Journal of Industrial Microbiology and Biotechnology, 1999, 23, 682-685.	3.0	29
105	Purification and Characterization of a Low-Molecular-Weight Xylanase Produced by Acrophialophora nainiana. Current Microbiology, 1999, 38, 18-21.	2.2	37
106	Identification, N-terminal region sequencing and similarity analysis of differentially expressed proteins in Paracoccidioides brasiliensis. Medical Mycology, 1999, 37, 115-121.	0.7	2
107	Characterisation of a Trypanosoma cruzi acidic 30 kDa cysteine protease. Molecular and Biochemical Parasitology, 1998, 91, 263-272.	1.1	38
108	Amino acid sequence of a myotoxic Lys49-phospholipase A2 homologue from the venom of Cerrophidion (Bothrops) godmani. BBA - Proteins and Proteomics, 1998, 1384, 204-208.	2.1	25

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109	Purification and substrate specificity of an angiotensin converting elastase-2 from the rat mesenteric arterial bed perfusate. BBA - Proteins and Proteomics, 1998, 1388, 227-238.	2.1	30
110	Improving the Recovery of Lysine in Automated Protein Sequencing. Analytical Biochemistry, 1998, 258, 259-267.	2.4	18
111	Partial sequence and toxic effects of granulitoxin, a neurotoxic peptide from the sea anemone Bunodosoma granulifera. Brazilian Journal of Medical and Biological Research, 1998, 31, 1335-1338.	1.5	15
112	Determination of the Amino Acid Sequence of the Plant Cytolysin Enterolobin. Archives of Biochemistry and Biophysics, 1997, 347, 201-207.	3.0	25
113	Compared chemical properties of dermonecrotic and lethal toxins from spiders of the genusLoxosceles (Araneae). The Protein Journal, 1996, 15, 337-343.	1.1	46
114	Purification, characterization, sequence determination, and mass spectrometric analysis of a trypsin inhibitor from seeds of the brazilian treeDipteryx alata (leguminosae). The Protein Journal, 1995, 14, 685-693.	1.1	21
115	Homology between the seed cytolysin enterolobin and bacterial aerolysins. The Protein Journal, 1994, 13, 659-667.	1.1	30
116	Effects of the cytolytic seed protein enterolobin on coleopteran and lepidopteran insect larvae. Entomologia Experimentalis Et Applicata, 1993, 69, 231-238.	1.4	11
117	Pro-inflammatory activity of enterolobin: A haemolytic protein purified from seeds of the Brazilian tree Enterolobium contortisiliquum. Toxicon, 1991, 29, 1143-1150.	1.6	15
118	Enterolobin induces rat paw oedema independently of PAF-acether. Memorias Do Instituto Oswaldo Cruz, 1991, 86, 129-131.	1.6	6
119	Proteome of Erythroxylum pungens (Erythroxylaceae): an endemic species of the semiarid Caatinga. Plant Biosystems, 0, , 1-3.	1.6	1