Marcelo V De Sousa

List of Publications by Year in descending order

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119 papers 2,794 citations

147801 31 h-index 233421 45 g-index

121 all docs

121 docs citations

times ranked

121

3470 citing authors

#	Article	IF	CITATIONS
1	Ontogenetic variations in the venom proteome of the Amazonian snake Bothrops atrox. Proteome Science, 2006, 4, 11 .	1.7	120
2	Proteomic analysis of the human pathogenTrypanosoma cruzi. Proteomics, 2004, 4, 1052-1059.	2.2	81
3	Proteome analysis of brown spider venom: Identification of loxnecrogin isoforms in Loxosceles gaucho venom. Proteomics, 2005, 5, 2167-2176.	2.2	79
4	New Insights in Trichoderma harzianum Antagonism of Fungal Plant Pathogens by Secreted Protein Analysis. Current Microbiology, 2010, 61, 298-305.	2.2	78
5	Proteomic landscape of seminal plasma associated with dairy bull fertility. Scientific Reports, 2018, 8, 16323.	3.3	77
6	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
7	Triatoma infestans Apyrases Belong to the 5′-Nucleotidase Family. Journal of Biological Chemistry, 2004, 279, 19607-19613.	3.4	71
8	A quantitative view of the morphological phases of Paracoccidioides brasiliensis using proteomics. Journal of Proteomics, 2011, 75, 572-587.	2.4	69
9	Proteomic Analysis of Honey Bee Brain upon Ontogenetic and Behavioral Development. Journal of Proteome Research, 2009, 8, 1464-1473.	3.7	67
10	Expression of a methionine-rich storage albumin from the Brazil nut (Bertholletia excelsa H.B.K.,) Tj ETQq0 0 0 rgl Biology, 1999, 22, 445-449.	3T /Overlo 1.3	ck 10 Tf 50 3 62
11	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
12	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
13	Purification and characterization of a new xylanase from Acrophialophora nainiana. Journal of Biotechnology, 2000, 81, 199-204.	3.8	51
14	Secretome analysis of the fungus <i>Trichoderma harzianum</i> grown on cellulose. Proteomics,	2.2	51
	2012, 12, 2716-2728.		
15	Worker Honeybee Brain Proteome. Journal of Proteome Research, 2012, 11, 1485-1493.	3.7	48
15		3.7	48
	Worker Honeybee Brain Proteome. Journal of Proteome Research, 2012, 11, 1485-1493. Compared chemical properties of dermonecrotic and lethal toxins from spiders of the		

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19	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
20	Purification and characterization of loxnecrogin, a dermonecrotic toxin from Loxosceles gaucho brown spider venom. The Protein Journal, 2003, 22, 135-146.	1.1	41
21	Profiling theBordetellapertussisProteome during Iron Starvation. Journal of Proteome Research, 2007, 6, 2518-2528.	3.7	40
22	Characterisation of a Trypanosoma cruzi acidic 30 kDa cysteine protease. Molecular and Biochemical Parasitology, 1998, 91, 263-272.	1.1	38
23	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
24	Anti-proliferative and cytotoxic activity of pentadactylin isolated from Leptodactylus labyrinthicus on melanoma cells. Amino Acids, 2011, 40, 51-59.	2.7	38
25	Native GELFrEE: A New Separation Technique for Biomolecular Assemblies. Analytical Chemistry, 2015, 87, 3032-3038.	6.5	38
26	Purification and Characterization of a Low-Molecular-Weight Xylanase Produced by Acrophialophora nainiana. Current Microbiology, 1999, 38, 18-21.	2.2	37
27	Endogenous abscisic acid and protein contents during seed development of Araucaria angustifolia. Biologia Plantarum, 2008, 52, 101-104.	1.9	37
28	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
29	Detection of a homotetrameric structure and protein-protein interactions of (i>Paracoccidioides brasiliensis brasiliensis brasiliens	2.3	35
30	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
31	Proteomic Analysis ofTrypanosoma cruziDevelopmental Stages Using Isotope-Coded Affinity Tag Reagents. Journal of Proteome Research, 2004, 3, 517-524.	3.7	33
32	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
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	Homology between the seed cytolysin enterolobin and bacterial aerolysins. The Protein Journal, 1994, 13, 659-667.	1.1	30
35	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
36	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

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37	A new xylanase from a Trichoderma harzianum strain. Journal of Industrial Microbiology and Biotechnology, 1999, 23, 682-685.	3.0	29
38	Trypanosoma cruzi alkaline 2-DE: Optimization and application to comparative proteome analysis of flagellate life stages. Proteome Science, 2008, 6, 24.	1.7	27
39	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
40	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
41	Blue nativeâ€PAGE analysis of Trichoderma harzianum secretome reveals cellulases and hemicellulases working as multienzymatic complexes. Proteomics, 2012, 12, 2729-2738.	2.2	26
42	Determination of the Amino Acid Sequence of the Plant Cytolysin Enterolobin. Archives of Biochemistry and Biophysics, 1997, 347, 201-207.	3.0	25
43	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
44	A Deep Insight into the Sialome of Rhodnius neglectus, a Vector of Chagas Disease. PLoS Neglected Tropical Diseases, 2016, 10, e0004581.	3.0	25
45	Paracoccin from <i>Paracoccidioides brasiliensis</i> ; purification through affinity with chitin and identification of <i>N</i> èacetyl′â€ <scp>D</scp> â€glucosaminidase activity. Yeast, 2010, 27, 67-76.	1.7	24
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	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
48	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
49	Cell Surface Proteome Analysis of Human-Hosted <i>Trypanosoma cruzi</i> Life Stages. Journal of Proteome Research, 2014, 13, 3530-3541.	3.7	21
50	Primary structure, behavioral and electroencephalographic effects of an epileptogenic peptide from the sea anemone Bunodosoma cangicum. Toxicon, 2005, 45, 207-217.	1.6	20
51	Proteome Analysis of Resting Human Neutrophils. Protein and Peptide Letters, 2006, 13, 481-487.	0.9	20
52	Characterization of Clostridium thermocellum Isolates Grown on Cellulose and Sugarcane Bagasse. Bioenergy Research, 2013, 6, 763-775.	3.9	19
53	Metabolic Peculiarities of Paracoccidioides brasiliensis Dimorphism as Demonstrated by iTRAQ Labeling Proteomics. Frontiers in Microbiology, 2019, 10, 555.	3.5	19
54	Improving the Recovery of Lysine in Automated Protein Sequencing. Analytical Biochemistry, 1998, 258, 259-267.	2.4	18

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55	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
56	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
57	Improving Carotenoids and Amino-Acids in Cassava. Recent Patents on Food, Nutrition & Samp; Agriculture, 2009, 1, 32-38.	0.9	17
58	Exploring the molecular complexity of Triatoma dimidiata sialome. Journal of Proteomics, 2018, 174, 47-60.	2.4	17
59	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
60	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
61	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
62	Proteome Analysis of Nelore Bull (Bos taurus indicus) Seminal Plasma. Protein and Peptide Letters, 2005, 12, 813-817.	0.9	15
63	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
64	Unveiling the Trypanosoma cruzi Nuclear Proteome. PLoS ONE, 2015, 10, e0138667.	2.5	15
65	Identification, characterization and regulation studies of the aconitase of Paracoccidioides brasiliensis. Fungal Biology, 2011, 115, 697-707.	2.5	14
66	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
67	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
68	Label-free quantitative proteomics of rat hypothalamus under fever induced by LPS and PGE2. Journal of Proteomics, 2018, 187, 182-199.	2.4	14
69	Sulphate uptake and metabolism in water hyacinth and salvinia during cadmium stress. Aquatic Botany, 2009, 91, 257-261.	1.6	13
70	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
71	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
72	The plant cytolytic protein enterolobin assumes a dimeric structure in solution. FEBS Letters, 2003, 549, 47-51.	2.8	12

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73	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
74	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
75	Effects of the cytolytic seed protein enterolobin on coleopteran and lepidopteran insect larvae. Entomologia Experimentalis Et Applicata, 1993, 69, 231-238.	1.4	11
76	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
77	Dynamic molecular events associated to Plasmodium berghei gametogenesis through proteomic approach. Journal of Proteomics, 2018, 180, 88-98.	2.4	11
78	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
79	Evidence for glycosylation on a DNA-binding protein of Salmonella enterica. Microbial Cell Factories, 2007, 6, 11.	4.0	10
80	Cellulase Systems in Trichoderma. , 2014, , 229-244.		10
81	Dynamic proteomic analysis of Aedes aegypti Aag-2 cells infected with Mayaro virus. Parasites and Vectors, 2020, 13, 297.	2.5	10
82	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
83	CN-GELFrEE - Clear Native Gel-eluted Liquid Fraction Entrapment Electrophoresis. Journal of Visualized Experiments, 2016, , 53597.	0.3	9
84	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
85	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
86	Inhibition of Autoimmune Chagas-Like Heart Disease by Bone Marrow Transplantation. PLoS Neglected Tropical Diseases, 2014, 8, e3384.	3.0	8
87	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
88	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
89	Mapping Salivary Proteases in Sjögren's Syndrome Patients Reveals Overexpression of Dipeptidyl Peptidase-4/CD26. Frontiers in Immunology, 2021, 12, 686480.	4.8	8
90	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

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91	Mass Spectrometry-Based Approaches to Understand the Molecular Basis of Memory. Frontiers in Chemistry, 2016, 4, 40.	3.6	7
92	Evaluation of different secretomes produced by Clonostachys byssicola as tools to holocellulose breakdown. International Biodeterioration and Biodegradation, 2020, 148, 104880.	3.9	7
93	Enterolobin induces rat paw oedema independently of PAF-acether. Memorias Do Instituto Oswaldo Cruz, 1991, 86, 129-131.	1.6	6
94	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
95	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
96	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
97	Mitochondrial pyruvate carrier as a key regulator of fever and neuroinflammation. Brain, Behavior, and Immunity, 2021, 92, 90-101.	4.1	6
98	Quantitative proteomics and phosphoproteomics of Trypanosoma cruzi epimastigote cell cycle. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2021, 1869, 140619.	2.3	6
99	iTRAQ-based proteomic analysis of Paracoccidioides brasiliensis in response to hypoxia. Microbiological Research, 2021, 247, 126730.	5.3	6
100	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
101	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
102	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
103	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
104	Proteomic Mapping of Multifunctional Complexes Within Triatomine Saliva. Frontiers in Cellular and Infection Microbiology, 2020, 10, 459.	3.9	4
105	Involvement of G proteins and cAMP in the production of chitinolytic enzymes by Trichoderma harzianum. Brazilian Journal of Microbiology, 2002, 33, .	2.0	4
106	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
107	NBS-LRR-WRKY genes and protease inhibitors (Pls) seem essential for cowpea resistance to root-knot nematode. Journal of Proteomics, 2022, 261, 104575.	2.4	4
108	Cytosolic and nuclear localization of the cytolytic and insecticidal plant protein enterolobin. Journal of Experimental Botany, 1999, 50, 1743-1750.	4.8	3

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109	Proteome analysis of Phytomonas serpens, a phytoparasite of medical interest. PLoS ONE, 2018, 13, e0204818.	2.5	3
110	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
111	An Integrative Sialomic Analysis Reveals Molecules From Triatoma sordida (Hemiptera: Reduviidae). Frontiers in Cellular and Infection Microbiology, 2021, 11, 798924.	3.9	3
112	Novel Possible Protein Targets in Neovascular Age-Related Macular Degeneration: A Pilot Study Experiment. Frontiers in Medicine, 2021, 8, 692272.	2.6	3
113	Comparative proteomic analysis of kinesin-8B deficient Plasmodium berghei during gametogenesis. Journal of Proteomics, 2021, 236, 104118.	2.4	2
114	Identification, N-terminal region sequencing and similarity analysis of differentially expressed proteins in Paracoccidioides brasiliensis. Medical Mycology, 1999, 37, 115-121.	0.7	2
115	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
116	Proteome of Erythroxylum pungens (Erythroxylaceae): an endemic species of the semiarid Caatinga. Plant Biosystems, 0, , 1-3.	1.6	1
117	Precipitation of kidney myosin IIA and IIB by freezing. Cell Biology International, 2011, 35, 259-266.	3.0	0
118	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
119	Is Proteomics Possible Without Mass Spectrometry?. Brazilian Journal of Analytical Chemistry, 2020, 7, 11-12.	0.5	0