

Gustavo H M F Souza

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,814
citations

236925

25
h-index

289244

40
g-index

63
all docs

63
docs citations

63
times ranked

2870
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic analysis of dorsolateral prefrontal cortex indicates the involvement of cytoskeleton, oligodendrocyte, energy metabolism and new potential markers in schizophrenia. <i>Journal of Psychiatric Research</i> , 2009, 43, 978-986.	3.1	165
2	Purification and characterization of a keratinolytic metalloprotease from <i>Chryseobacterium</i> sp. kr6. <i>Journal of Biotechnology</i> , 2007, 128, 693-703.	3.8	118
3	A chitin-like component in <i>Aedes aegypti</i> eggshells, eggs and ovaries. <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 1249-1261.	2.7	94
4	Detection and expression analysis of recombinant proteins in plantâ€derived complex mixtures using nanoUPLCâ€MS ^E . <i>Journal of Separation Science</i> , 2011, 34, 2618-2630.	2.5	86
5	Baseline resolution of isomers by traveling wave ion mobility mass spectrometry: investigating the effects of polarizable drift gases and ionic charge distribution. <i>Journal of Mass Spectrometry</i> , 2013, 48, 989-997.	1.6	77
6	Proteomic analysis of seminal plasma in adolescents with and without varicocele. <i>Fertility and Sterility</i> , 2013, 99, 92-98.	1.0	67
7	Label-Free Quantitative Proteomics of Embryogenic and Non-Embryogenic Callus during Sugarcane Somatic Embryogenesis. <i>PLoS ONE</i> , 2015, 10, e0127803.	2.5	65
8	Secretome of the preimplantation human embryo by bottom-up label-free proteomics. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1331-9.	3.7	53
9	Longissimus dorsi muscle label-free quantitative proteomic reveals biological mechanisms associated with intramuscular fat deposition. <i>Journal of Proteomics</i> , 2018, 179, 30-41.	2.4	53
10	Biological and biochemical characterization of new basic phospholipase A2 BmTX-I isolated from <i>Bothrops moojeni</i> snake venom. <i>Toxicon</i> , 2008, 51, 1509-1519.	1.6	46
11	Expression of functional recombinant human growth hormone in transgenic soybean seeds. <i>Transgenic Research</i> , 2011, 20, 811-826.	2.4	44
12	Labelâ€free MS ^E proteomic analysis of chronic myeloid leukemia bone marrow plasma: disclosing new insights from therapy resistance. <i>Proteomics</i> , 2012, 12, 2618-2631.	2.2	42
13	Diacerhein downregulate proinflammatory cytokines expression and decrease the autoimmune diabetes frequency in nonobese diabetic (NOD) mice. <i>International Immunopharmacology</i> , 2008, 8, 782-791.	3.8	40
14	Accumulation of functional recombinant human coagulation factor IX in transgenic soybean seeds. <i>Transgenic Research</i> , 2011, 20, 841-855.	2.4	39
15	LC-MSE, Multiplex MS/MS, Ion Mobility, and Label-Free Quantitation in Clinical Proteomics. <i>Methods in Molecular Biology</i> , 2017, 1546, 57-73.	0.9	36
16	Peptidomics of <i>Acanthoscurria gomesiana</i> spider venom reveals new toxins with potential antimicrobial activity. <i>Journal of Proteomics</i> , 2017, 151, 232-242.	2.4	36
17	Evaluation of metal-ion stress in sunflower (<i>Helianthus annuus</i> L.) leaves through proteomic changes. <i>Metallomics</i> , 2009, 1, 107-113.	2.4	34
18	Purification, sequencing and structural analysis of two acidic phospholipases A2 from the venom of <i>Bothrops insularis</i> (jararaca ilhoa). <i>Biochimie</i> , 2006, 88, 1947-1959.	2.6	32

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19	Differential Metabolism of a Two-Carbon Substrate by Members of the Paracoccidioides Genus. <i>Frontiers in Microbiology</i> , 2017, 8, 2308.	3.5	32
20	Peptide fingerprinting of snake venoms by direct infusion nano-electrospray ionization mass spectrometry: potential use in venom identification and taxonomy. <i>Journal of Mass Spectrometry</i> , 2008, 43, 594-599.	1.6	30
21	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
22	Label-free proteomic analysis to confirm the predicted proteome of <i>Corynebacterium pseudotuberculosis</i> under nitrosative stress mediated by nitric oxide. <i>BMC Genomics</i> , 2014, 15, 1065.	2.8	29
23	Proteomics in quality control: Whey protein-based supplements. <i>Journal of Proteomics</i> , 2016, 147, 48-55.	2.4	28
24	Differential seminal plasma proteome according to semen retrieval in men with spinal cord injury. <i>Fertility and Sterility</i> , 2013, 100, 959-969.e3.	1.0	27
25	Comparative metallomics for transgenic and non-transgenic soybeans. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1501.	3.0	25
26	Evaluation of sample preparation protocols for proteomic analysis of sunflower leaves. <i>Talanta</i> , 2010, 80, 1545-1551.	5.5	24
27	ESI-MS/MS Identification of a Bradykinin-Potentiating Peptide from Amazon Bothrops atrox Snake Venom Using a Hybrid Qq-oeTOF Mass Spectrometer. <i>Toxins</i> , 2013, 5, 327-335.	3.4	23
28	Delineation of the pan-proteome of fish-pathogenic <i>Streptococcus agalactiae</i> strains using a label-free shotgun approach. <i>BMC Genomics</i> , 2019, 20, 11.	2.8	23
29	Characterization of the mechanisms underlying the inflammatory response to <i>Polistes lanio lanio</i> (paper wasp) venom in mouse dorsal skin. <i>Toxicon</i> , 2009, 53, 42-52.	1.6	22
30	Differential expression of albumins and globulins of wheat flours of different technological qualities revealed by nanoUPLC-UDMSE. <i>Food Chemistry</i> , 2018, 239, 1027-1036.	8.2	22
31	Non-targeted sportomics analyses by mass spectrometry to understand exercise-induced metabolic stress in soccer players. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 1-5.	1.5	21
32	Discovering the infectome of human endothelial cells challenged with <i>Aspergillus fumigatus</i> applying a mass spectrometry label-free approach. <i>Journal of Proteomics</i> , 2014, 97, 126-140.	2.4	20
33	Immune Response Resetting in Ongoing Sepsis. <i>Journal of Immunology</i> , 2019, 203, 1298-1312.	0.8	20
34	Separation of glycosidic cationomers by TWIM-MS using CO ₂ as a drift gas. <i>Journal of Mass Spectrometry</i> , 2015, 50, 336-343.	1.6	19
35	Comparative proteomic analysis of four biotechnological strains <i>Lactococcus lactis</i> through label-free quantitative proteomics. <i>Microbial Biotechnology</i> , 2019, 12, 265-274.	4.2	19
36	Immunogenic and allergenic profile of wheat flours from different technological qualities revealed by ion mobility mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2018, 73, 67-75.	3.9	18

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37	Mass spectrometry fingerprinting of media used for <i>in vitro</i> production of bovine embryos. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1313-1320.	1.5	17
38	Structural and kinetic characterization of a maize aldose reductase. <i>Plant Physiology and Biochemistry</i> , 2009, 47, 98-104.	5.8	17
39	Effect of endometriosis on the protein expression pattern of follicular fluid from patients submitted to controlled ovarian hyperstimulation for <i>in vitro</i> fertilization. <i>Human Reproduction</i> , 2010, 25, 1755-1766.	0.9	17
40	Label-free quantitative proteomics of <i>Corynebacterium pseudotuberculosis</i> isolates reveals differences between Biovars ovis and equi strains. <i>BMC Genomics</i> , 2017, 18, 451.	2.8	17
41	A shift in the virulence potential of <i>Corynebacterium pseudotuberculosis</i> biovar ovis after passage in a murine host demonstrated through comparative proteomics. <i>BMC Microbiology</i> , 2017, 17, 55.	3.3	16
42	Ion Mobility-Enhanced Data-Independent Acquisitions Enable a Deep Proteomic Landscape of Oligodendrocytes. <i>Proteomics</i> , 2017, 17, 1700209.	2.2	15
43	Structural and functional characterization of myotoxin, Cr-IV 1, a phospholipase A2 D49 from the venom of the snake <i>Calloselasma rhodostoma</i> . <i>Biologicals</i> , 2008, 36, 168-176.	1.4	14
44	Intrinsic Mobility of Gaseous Cationic and Anionic Aggregates of Ionic Liquids. <i>ChemPhysChem</i> , 2011, 12, 1444-1447.	2.1	14
45	Relationship Between Expression of Voltage-Dependent Anion Channel (VDAC) Isoforms and Type of Hexokinase Binding Sites on Brain Mitochondria. <i>Journal of Molecular Neuroscience</i> , 2010, 41, 48-54.	2.3	13
46	Quantitative Proteomic Analysis Reveals Changes in the Benchmark <i>Corynebacterium pseudotuberculosis</i> Biovar Equi Exoproteome after Passage in a Murine Host. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 325.	3.9	12
47	Neuromuscular action of venom from the South American colubrid snake <i>Philodryas patagoniensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2008, 148, 31-38.	2.6	11
48	Saliva proteomics from children with caries at different severity stages. <i>Oral Diseases</i> , 2020, 26, 1219-1229.	3.0	11
49	Investigating the Potential of Ion Mobility-Mass Spectrometry for Microalgae Biomass Characterization. <i>Analytical Chemistry</i> , 2019, 91, 9266-9276.	6.5	10
50	The catalytic mechanism of indole-3-glycerol phosphate synthase (IGPS) investigated by electrospray ionization (tandem) mass spectrometry. <i>Tetrahedron Letters</i> , 2008, 49, 5914-5917.	1.4	9
51	Modifications to the composition of the hyphal outer layer of <i>Aspergillus fumigatus</i> modulates HUVEC proteins related to inflammatory and stress responses. <i>Journal of Proteomics</i> , 2017, 151, 83-96.	2.4	9
52	Albumin Is Synthesized in Epididymis and Aggregates in a High Molecular Mass Glycoprotein Complex Involved in Sperm-Egg Fertilization. <i>PLoS ONE</i> , 2014, 9, e103566.	2.5	9
53	Proteomic analysis of <i>Chromobacterium violaceum</i> and its adaptability to stress. <i>BMC Microbiology</i> , 2015, 15, 272.	3.3	7
54	Dataset of differentially regulated proteins in HUVECs challenged with wild type and UGM1 mutant <i>Aspergillus fumigatus</i> strains. <i>Data in Brief</i> , 2016, 9, 24-31.	1.0	6

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55	Data from proteomic analysis of bovine Longissimus dorsi muscle associated with intramuscular fat content. <i>Data in Brief</i> , 2018, 19, 1314-1317.	1.0	6
56	Vanilla bahiana, a contribution from the Atlantic Forest biodiversity for the production of vanilla: A proteomic approach through high-definition nanoLC/MS. <i>Food Research International</i> , 2019, 120, 148-156.	6.2	6
57	Quantitative Proteomic Analysis of MARC-145 Cells Infected with a Mexican Porcine Reproductive and Respiratory Syndrome Virus Strain Using a Label-Free Based DIA approach. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1302-1312.	2.8	6
58	Electrophoresis and spectrometric analyses of adaptation-related proteins in thermally stressed <i>Chromobacterium violaceum</i> . <i>Genetics and Molecular Research</i> , 2013, 12, 5057-5071.	0.2	5
59	Tripeptides and dipeptides identification in whey protein and porcine liver protein hydrolysates by fast LC-MS/MS neutral loss screening and <i>de novo</i> sequencing. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4701.	1.6	4
60	Proteome alterations associated with the oleic acid and cis-9, trans-11 conjugated linoleic acid content in bovine skeletal muscle. <i>Journal of Proteomics</i> , 2020, 222, 103792.	2.4	2
61	Human Blood Plasma Investigation Employing 2D UPLC-UDMSE Data-Independent Acquisition Proteomics. <i>Methods in Molecular Biology</i> , 2021, 2259, 153-165.	0.9	1