

Jose C Rosa

List of Publications by Year in descending order

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104
papers

2,319
citations

186265

28
h-index

276875

41
g-index

106
all docs

106
docs citations

106
times ranked

3651
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural and functional characterization of an acidic platelet aggregation inhibitor and hypotensive phospholipase A2 from <i>Bothrops jararacussu</i> snake venom. <i>Biochemical Pharmacology</i> , 2002, 64, 723-732.	4.4	104
2	Isomer and glycomer complexities of core GlcNAcs in <i>Caenorhabditis elegans</i> . <i>Glycobiology</i> , 2006, 16, 874-890.	2.5	99
3	Evidence of caspase-mediated apoptosis induced by l-amino acid oxidase isolated from <i>Bothrops atrox</i> snake venom. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2008, 151, 542-550.	1.8	92
4	Acute-phase protein Î±1-acid glycoprotein mediates neutrophil migration failure in sepsis by a nitric oxide-dependent mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19595-19600.	7.1	76
5	Purification and biochemical characterization of a mycelial glucose- and xylose-stimulated Î²-glucosidase from the thermophilic fungus <i>Humicola insolens</i> . <i>Process Biochemistry</i> , 2010, 45, 272-278.	3.7	70
6	KM+, a mannose-binding lectin from <i>Artocarpus integrifolia</i> : Amino acid sequence, predicted tertiary structure, carbohydrate recognition, and analysis of the Î²-prism fold. <i>Protein Science</i> , 1999, 8, 13-24.	7.6	68
7	Physico-chemical and antifungal properties of protease inhibitors from <i>Acacia plumosa</i> . <i>Phytochemistry</i> , 2009, 70, 871-879.	2.9	68
8	Free amino acid pools as effectors of osmotic adjustment in different tissues of the freshwater shrimp <i>Macrobrachium molle</i> (Crustacea, Decapoda) during long-term salinity acclimation. <i>Marine and Freshwater Behaviour and Physiology</i> , 2004, 37, 193-208.	0.9	61
9	A High Redox Potential Laccase from <i>Pycnoporus sanguineus</i> RP15: Potential Application for Dye Decolorization. <i>International Journal of Molecular Sciences</i> , 2016, 17, 672.	4.1	48
10	Differential Gene Expression and Infection Profiles of Cutaneous and Mucosal <i>Leishmania braziliensis</i> Isolates from the Same Patient. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004018.	3.0	44
11	Proteomic analysis of <i>Bothrops pirajai</i> snake venom and characterization of BpirMP, a new P-I metalloproteinase. <i>Journal of Proteomics</i> , 2013, 80, 250-267.	2.4	43
12	Paracoccin, a GlcNAc-binding lectin from <i>Paracoccidioides brasiliensis</i> , binds to laminin and induces TNF-Î± production by macrophages. <i>Microbes and Infection</i> , 2006, 8, 704-713.	1.9	42
13	Global proteomic and functional analysis of <i>Crotalus durissus collilineatus</i> individual venom variation and its impact on envenoming. <i>Journal of Proteomics</i> , 2019, 191, 153-165.	2.4	42
14	A proteomic approach to identifying proteins differentially expressed in conidia and mycelium of the entomopathogenic fungus <i>Metarhizium acridum</i> . <i>Fungal Biology</i> , 2010, 114, 572-579.	2.5	41
15	Inhibition of Neutrophil Migration by Hemopexin Leads to Increased Mortality Due to Sepsis in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 922-931.	5.6	40
16	Proteomic and SAGE profiling of murine melanoma progression indicates the reduction of proteins responsible for ROS degradation. <i>Proteomics</i> , 2006, 6, 1460-1470.	2.2	39
17	Quantitative proteomic analysis shows differentially expressed HSPB1 in glioblastoma as a discriminating short from long survival factor and NOVA1 as a differentiation factor between low-grade astrocytoma and oligodendroglioma. <i>BMC Cancer</i> , 2015, 15, 481.	2.6	39
18	Biochemical and milk-clotting properties and mapping of catalytic subsites of an extracellular aspartic peptidase from basidiomycete fungus <i>Phanerochaete chrysosporium</i> . <i>Food Chemistry</i> , 2017, 225, 45-54.	8.2	39

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19	Proteomic analysis of low- to high-grade astrocytomas reveals an alteration of the expression level of raf kinase inhibitor protein and nucleophosmin. <i>Proteomics</i> , 2010, 10, 2812-2821.	2.2	36
20	Intrauterine Growth Restriction Programs the Hypothalamus of Adult Male Rats: Integrated Analysis of Proteomic and Metabolomic Data. <i>Journal of Proteome Research</i> , 2017, 16, 1515-1525.	3.7	36
21	Refolding and Purification of Bothropstoxin-I, a Lys49-Phospholipase A2 Homologue, Expressed as Inclusion Bodies in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2001, 21, 134-140.	1.3	35
22	Recovery and identification of mature enamel proteins in ancient teeth. <i>European Journal of Oral Sciences</i> , 2011, 119, 83-87.	1.5	34
23	Proteomic analysis of total cellular proteins of human neutrophils. <i>Proteome Science</i> , 2009, 7, 32.	1.7	33
24	Purification and characterization of Ts15, the first member of a new $\hat{I}\pm$ -KTX subfamily from the venom of the Brazilian scorpion <i>Tityus serrulatus</i> . <i>Toxicon</i> , 2011, 58, 54-61.	1.6	33
25	Characterization of a tissue kallikrein inhibitor isolated from <i>Bauhinia bauhinioides</i> seeds: inhibition of the hydrolysis of kininogen related substrates. <i>Immunopharmacology</i> , 1999, 45, 163-169.	2.0	30
26	Evaluation of the catalytic specificity, biochemical properties, and milk clotting abilities of an aspartic peptidase from <i>Rhizomucor miehei</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1059-1069.	3.0	30
27	Changes in the expression of proteins associated with aerobic glycolysis and cell migration are involved in tumorigenic ability of two glioma cell lines. <i>Proteome Science</i> , 2012, 10, 53.	1.7	29
28	Investigating possible biological targets of Bj-CRP, the first cysteine-rich secretory protein (CRISP) isolated from <i>Bothrops jararaca</i> snake venom. <i>Toxicology Letters</i> , 2017, 265, 156-169.	0.8	29
29	Fluorescence properties of tryptophan residues in the monomeric d-chain of <i>Glossoscolex paulistus</i> hemoglobin: an interpretation based on a comparative molecular model. <i>Biophysical Chemistry</i> , 2002, 97, 139-157.	2.8	28
30	Neuroendocrine Control of Osmotic Regulation in the Freshwater Shrimp <i>Macrobrachium olfersii</i> (Wiegmann) (Crustacea, Decapoda): Free Amino Acid Concentrations in the Hemolymph. <i>General and Comparative Endocrinology</i> , 1995, 100, 83-91.	1.8	27
31	Amino acid sequence and tertiary structure of <i>Cratylia mollis</i> seed lectin. <i>Glycobiology</i> , 2003, 13, 961-972.	2.5	27
32	Efficient constitutive expression of <i>Bacillus subtilis</i> xylanase A in <i>Escherichia coli</i> DH5 $\hat{I}\pm$ under the control of the <i>Bacillus BsXA</i> promoter. <i>Biotechnology and Applied Biochemistry</i> , 2006, 43, 9.	3.1	27
33	Molecular characterization and phylogenetic analysis of BjussuMP-I: A RGD-P-III class hemorrhagic metalloprotease from <i>Bothrops jararacussu</i> snake venom. <i>Journal of Molecular Graphics and Modelling</i> , 2007, 26, 69-85.	2.4	27
34	The effects of photodynamic treatment with new methylene blue N on the <i>Candida albicans</i> proteome. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1503-1513.	2.9	27
35	Glucoamylase activity from the thermophilic fungus <i>Scytalidium thermophilum</i> . <i>Biochemical and regulatory properties</i> . <i>Journal of Basic Microbiology</i> , 2000, 40, 83-92.	3.3	26
36	High-fat diets rich in soy or fish oil distinctly alter hypothalamic insulin signaling in rats. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 822-828.	4.2	26

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37	Moojenactivase, a novel pro-coagulant PIII metalloprotease isolated from <i>Bothrops moojeni</i> snake venom, activates coagulation factors II and X and induces tissue factor up-regulation in leukocytes. <i>Archives of Toxicology</i> , 2016, 90, 1261-1278.	4.2	26
38	Regulation of Metabolic Disease-Associated Inflammation by Nutrient Sensors. <i>Mediators of Inflammation</i> , 2018, 2018, 1-18.	3.0	26
39	Topology of the substrate-binding site of a Lys49-phospholipase A2 influences Ca ²⁺ -independent membrane-damaging activity. <i>Biochemical Journal</i> , 2004, 382, 191-198.	3.7	25
40	A halotolerant bifunctional β -xylosidase/ β -l-arabinofuranosidase from <i>Colletotrichum graminicola</i> : Purification and biochemical characterization. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 741-750.	7.5	25
41	Redox Activation of Nox1 (NADPH Oxidase 1) Involves an Intermolecular Disulfide Bond Between Protein Disulfide Isomerase and p47 ^{phox} in Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 224-236.	2.4	25
42	Peptides with antioxidant properties identified from casein, whey, and egg albumin hydrolysates generated by two novel fungal proteases. <i>Preparative Biochemistry and Biotechnology</i> , 2019, 49, 639-648.	1.9	23
43	New techniques for the recovery of small amounts of mature enamel proteins. <i>Journal of Archaeological Science</i> , 2011, 38, 3596-3604.	2.4	22
44	Role of Hexokinase and VDAC in Neurological Disorders. <i>Current Molecular Pharmacology</i> , 2016, 9, 320-331.	1.5	22
45	Purification and biochemical characterization of a novel β -glucosidase from <i>Aspergillus niveus</i> . <i>Antonie Van Leeuwenhoek</i> , 2009, 96, 569-578.	1.7	21
46	<i>Debaryomyces hansenii</i> UFV-1 Intracellular β -Galactosidase Characterization and Comparative Studies with the Extracellular Enzyme. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2515-2522.	5.2	19
47	Recombinant expression, localization and <i>in vitro</i> inhibition of midgut cysteine peptidase (SI-CathL) from sugarcane weevil, <i>Sphenophorus levis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 58-69.	2.7	19
48	A novel thermostable and halotolerant xylanase from <i>Colletotrichum graminicola</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, S508-S517.	1.8	19
49	Accumulation of prohibitin is a common cellular response to different stressing stimuli and protects melanoma cells from ER stress and chemotherapy-induced cell death. <i>Oncotarget</i> , 2017, 8, 43114-43129.	1.8	19
50	Gender-specific effects of intrauterine growth restriction on the adipose tissue of adult rats: a proteomic approach. <i>Proteome Science</i> , 2015, 13, 32.	1.7	18
51	Isolation, functional, and partial biochemical characterization of galatrox, an acidic lectin from <i>Bothrops atrox</i> snake venom. <i>Acta Biochimica Et Biophysica Sinica</i> , 2011, 43, 181-192.	2.0	17
52	Stathmin involvement in the maternal embryonic leucine zipper kinase pathway in glioblastoma. <i>Proteome Science</i> , 2016, 14, 6.	1.7	17
53	A Halotolerant Endo-1,4- β -Xylanase from <i>Aspergillus clavatus</i> with Potential Application for Agroindustrial Residues Saccharification. <i>Applied Biochemistry and Biotechnology</i> , 2020, 191, 1111-1126.	2.9	17
54	Subproteomic analysis of soluble proteins of the microsomal fraction from two <i>Leishmania</i> species. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2006, 1, 300-308.	1.0	15

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55	Biochemical, functional, structural and phylogenetic studies on Intercro, a new isoform phospholipase A2 from <i>Crotalus durissus terrificus</i> snake venom. <i>Biochimie</i> , 2013, 95, 2365-2375.	2.6	14
56	Characterization of a Recombinant Cathepsin B-Like Cysteine Peptidase from <i>Diaphorina citri</i> Kuwayama (Hemiptera: Liviidae): A Putative Target for Control of Citrus Huanglongbing. <i>PLoS ONE</i> , 2015, 10, e0145132.	2.5	14
57	A brain proteome profile in rats exposed to methylmercury or thimerosal (ethylmercury). <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2016, 79, 502-512.	2.3	14
58	Activity of a peptidase secreted by <i>Phanerochaete chrysosporium</i> depends on lysine to subsite Sâ€™™ 1. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 474-483.	7.5	14
59	Proteomic profiling of the rat hypothalamus. <i>Proteome Science</i> , 2012, 10, 26.	1.7	13
60	Purification and biochemical characterization of glucoseâ€™“cellobiose-tolerant cellulases from <i>Scytalidium thermophilum</i> . <i>Folia Microbiologica</i> , 2013, 58, 561-568.	2.3	13
61	First report on BaltCRP, a cysteine-rich secretory protein (CRISP) from <i>Bothrops alternatus</i> venom: Effects on potassium channels and inflammatory processes. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 556-567.	7.5	13
62	PROTEINS OF THE INTEGUMENTARY SYSTEM OF THE HONEYBEE, <i>Apis mellifera</i>. <i>Archives of Insect Biochemistry and Physiology</i> , 2016, 93, 3-24.	1.5	12
63	<i>Fusarium oxysporum</i> cultured with complex nitrogen sources can degrade agricultural residues: Evidence from analysis of secreted enzymes and intracellular proteome. <i>Renewable Energy</i> , 2019, 133, 941-950.	8.9	12
64	Isolation of Bovine Immunoglobulins Resistant to Peptic Digestion: New Perspectives in the Prevention of Failure in Passive Immunization of Neonatal Calves. <i>Journal of Dairy Science</i> , 2007, 90, 955-962.	3.4	11
65	Homocysteine, folate, hs-C-reactive protein, tumor necrosis factor alpha and inflammatory proteins: are these biomarkers related to nutritional status and cardiovascular risk in childhood-onset systemic lupus erythematosus?. <i>Pediatric Rheumatology</i> , 2018, 16, 4.	2.1	11
66	<i>Trypanosoma cruzi</i> : analysis of two different strains after piplartine treatment. <i>Brazilian Journal of Infectious Diseases</i> , 2018, 22, 208-218.	0.6	11
67	A New Phospholipase A₂ from <i>Lachesis muta rhombeata</i> : Purification, Biochemical and Comparative Characterization with Crotoxin B. <i>Protein and Peptide Letters</i> , 2015, 22, 816-827.	0.9	11
68	Cell migration inhibition activity of a non-RGD disintegrin from <i>Crotalus durissus collilineatus</i> venom. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2018, 24, 28.	1.4	10
69	Nitensidine B affects proteins of the glycolytic pathway and induces apoptosis in cervical carcinoma cells immortalized by HPV16. <i>Phytomedicine</i> , 2018, 48, 179-186.	5.3	10
70	Expression in <i>E. coli</i> and purification of the nucleoside diphosphate kinase b from <i>Leishmania major</i> . <i>Protein Expression and Purification</i> , 2006, 49, 244-250.	1.3	9
71	A novel 65 kDa RNA-binding protein in squid presynaptic terminals. <i>Neuroscience</i> , 2010, 166, 73-83.	2.3	9
72	Characterization and optimization of ArtinM lectin expression in <i>Escherichia coli</i> . <i>BMC Biotechnology</i> , 2012, 12, 44.	3.3	9

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73	Isolation and characterization of a novel metalloprotease inhibitor from <i>Bothrops alternatus</i> snake serum. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 436-446.	7.5	9
74	Biochemical Properties and Catalytic Specificity of a Novel Neutral Serine Peptidase Secreted by Fungus <i>Pyrenochaetopsis</i> sp.. <i>Applied Biochemistry and Biotechnology</i> , 2019, 187, 1158-1172.	2.9	9
75	BaltPLA2: A New Phospholipase A2 from <i>Bothrops Alternatus</i> Snake Venom with Antiplatelet Aggregation Activity. <i>Protein and Peptide Letters</i> , 2018, 25, 943-952.	0.9	9
76	Evaluation of the milk clotting properties of an aspartic peptidase secreted by <i>Rhizopus microsporus</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2020, 50, 226-233.	1.9	8
77	Sequesterpene Lactones Isolated from a Brazilian Cerrado Plant (<i>Eremanthus</i> spp.) as Anti-Proliferative Compounds, Characterized by Functional and Proteomic Analysis, Are Candidates for New Therapeutics in Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4713.	4.1	8
78	Determination of Specificity and Biochemical Characteristics of Neutral Protease Isolated from <i>Myceliophthora thermophila</i> . <i>Protein and Peptide Letters</i> , 2015, 22, 972-982.	0.9	8
79	Characterization and mRNA expression analysis of PI31, an endogenous proteasome inhibitor from <i>Schistosoma mansoni</i> . <i>Parasitology Research</i> , 2010, 107, 1163-1171.	1.6	7
80	New insights into trypanosomatid U5 small nuclear ribonucleoproteins. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2011, 106, 130-138.	1.6	7
81	Biomarker Verification Using Selected Reaction Monitoring and Shotgun Proteomics. <i>Methods in Molecular Biology</i> , 2014, 1156, 295-306.	0.9	7
82	Quantitative proteomic analysis and functional studies reveal that nucleophosmin is involved in cell death in glioblastoma cell line transfected with siRNA. <i>Proteomics</i> , 2012, 12, 2632-2640.	2.2	6
83	Production and diagnostic application of recombinant domain III of West Nile envelope protein in Brazil. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2013, 46, 97-99.	0.9	6
84	A novel SDS-stable dimer of a heterogeneous nuclear ribonucleoprotein at presynaptic terminals of squid neurons. <i>Neuroscience</i> , 2015, 300, 381-392.	2.3	6
85	The Rubino test for leprosy is a β 2-glycoprotein 1-dependent antiphospholipid reaction. <i>Immunology</i> , 2000, 101, 147-153.	4.4	5
86	Immunometabolism: Molecular Mechanisms, Diseases, and Therapies 2018. <i>Mediators of Inflammation</i> , 2019, 2019, 1-2.	3.0	5
87	Valorization of agricultural residues using <i>Myceliophthora thermophila</i> as a platform for production of lignocellulolytic enzymes for cellulose saccharification. <i>Biomass and Bioenergy</i> , 2022, 161, 106452.	5.7	5
88	Purification and characterization of the fimbria F18ac (2134P) isolated from enterotoxigenic <i>Escherichia coli</i> (ETEC). <i>Veterinary Microbiology</i> , 2000, 76, 41-49.	1.9	4
89	Peptide Characterization of Mature Fluorotic and Control Human Enamel. <i>Brazilian Dental Journal</i> , 2016, 27, 66-71.	1.1	4
90	Metabo groups in response to micronutrient intervention: Pilot study. <i>Food Science and Nutrition</i> , 2020, 8, 683-693.	3.4	4

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91	Application of 2D BN/SDS-PAGE coupled with mass spectrometry for identification of VDAC-associated protein complexes related to mitochondrial binding sites for type I brain hexokinase. <i>Mitochondrion</i> , 2013, 13, 823-830.	3.4	3
92	Secretome Analysis of <i>Metarhizium anisopliae</i> Under Submerged Conditions Using <i>Bombyx mori</i> Chrysalis to Induce Expression of Virulence-Related Proteins. <i>Current Microbiology</i> , 2016, 72, 220-227.	2.2	3
93	A soluble recombinant form of human leucocyte antigen-G 6 (srHLA-G6). <i>Biochemical and Biophysical Research Communications</i> , 2017, 487, 28-33.	2.1	3
94	Selectively RNA interaction by a hnRNPA/B-like protein at presynaptic terminal of squid neuron. <i>Invertebrate Neuroscience</i> , 2020, 20, 14.	1.8	3
95	Gamma Ray Irradiation of the Vasoactive Peptide Bradykinin Reveals a Residue- and Position-Dependent Structural Modification. <i>International Journal of Peptide Research and Therapeutics</i> , 2010, 16, 71-78.	1.9	2
96	A74: Nutritional and Metabolic Assessment in Girls With Systemic Lupus Erythematosus. <i>Arthritis and Rheumatology</i> , 2014, 66, S106-S106.	5.6	2
97	rBaltMIP, a recombinant alpha-type myotoxin inhibitor from <i>Bothrops alternatus</i> (Rhinoceros) Tj ETQq1 1 0.784314 rgBT /Overlock 1 53-62.	1.6	2
98	Medium pH in submerged cultivation modulates differences in the intracellular protein profile of <i>Fusarium oxysporum</i> . <i>Preparative Biochemistry and Biotechnology</i> , 2017, 47, 664-672.	1.9	2
99	Isolamento e cultivo de neurÃnrios e neuroesferas de cÃ³rtex cerebral aviar. <i>Pesquisa Veterinaria Brasileira</i> , 2013, 33, 45-50.	0.5	2
100	High-level of expression, purification and characterization of active Artin M Lectin in different E. Coli hosts. <i>New Biotechnology</i> , 2009, 25, S293-S294.	4.4	0
101	Peptide Structure Modifications: Effect of Radical Species Generated by Controlled Gamma Ray Irradiation Approach. <i>Biological and Pharmaceutical Bulletin</i> , 2013, 36, 664-675.	1.4	0
102	Proteomic Analysis of Intra- and Extracellular Proteins of <i>Aspergillus Niveus</i> During Submerged Bioprocess Culturing Under Different pH Conditions. <i>Current Proteomics</i> , 2021, 18, 563-574.	0.3	0
103	Abstract B134: Stathmin is involved in the maternal embryonic leucine zipper kinase pathway in human astrocytomas.. , 2013, , .		0
104	Abstract 4607: Stathmin is involved in the maternal embryonic leucine zipper kinase pathway and impacts in the outcome of glioblastoma. , 2014, , .		0