

# Rosario Duran

## List of Publications by Year in descending order

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65  
papers

2,953  
citations

218677

26  
h-index

168389

53  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Specificity and Reactivity of <i>Mycobacterium tuberculosis</i> Serine/Threonine Kinases PknG and PknB. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 1723-1733.	5.4	3
2	Simple, efficient and thorough shotgun proteomic analysis with PatternLab V. <i>Nature Protocols</i> , 2022, 17, 1553-1578.	12.0	26
3	Genomic and proteomic analysis of <i>Tausonia pullulans</i> reveals a key role for a GH15 glucoamylase in starch hydrolysis. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 4655-4667.	3.6	2
4	Proteome remodeling in the <i>Mycobacterium tuberculosis</i> PknG knockout: Molecular evidence for the role of this kinase in cell envelope biogenesis and hypoxia response. <i>Journal of Proteomics</i> , 2021, 244, 104276.	2.4	6
5	Synthesis, LC-MS/MS analysis, and biological evaluation of two vaccine candidates against ticks based on the antigenic PO peptide from <i>R. sanguineus</i> linked to the p64K carrier protein from <i>Neisseria meningitidis</i> . <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5885-5900.	3.7	3
6	A Tetratricopeptide Repeat Scaffold Couples Signal Detection to OdhI Phosphorylation in Metabolic Control by the Protein Kinase PknG. <i>MBio</i> , 2021, 12, e0171721.	4.1	2
7	Quantitative proteomic dataset from oro- and naso-pharyngeal swabs used for COVID-19 diagnosis: Detection of viral proteins and host's biological processes altered by the infection. <i>Data in Brief</i> , 2020, 32, 106121.	1.0	25
8	Rv2577 of <i>Mycobacterium tuberculosis</i> Is a Virulence Factor With Dual Phosphatase and Phosphodiesterase Functions. <i>Frontiers in Microbiology</i> , 2020, 11, 570794.	3.5	4
9	Functional and Mass Spectrometric Evaluation of an Anti-Tick Antigen Based on the PO Peptide Conjugated to Bm86 Protein. <i>Pathogens</i> , 2020, 9, 513.	2.8	21
10	Nitro-fatty acids as activators of hSIRT6 deacetylase activity. <i>Journal of Biological Chemistry</i> , 2020, 295, 18355-18366.	3.4	15
11	A Phenotypic Characterization of Two Isolates of a Multidrug-Resistant Outbreak Strain of <i>Mycobacterium tuberculosis</i> with Opposite Epidemiological Fitness. <i>BioMed Research International</i> , 2020, 2020, 1-9.	1.9	2
12	Essential dynamic interdependence of FtsZ and SepF for Z-ring and septum formation in <i>Corynebacterium glutamicum</i> . <i>Nature Communications</i> , 2020, 11, 1641.	12.8	29
13	Novel mechanistic insights into physiological signaling pathways mediated by mycobacterial Ser/Thr protein kinases. <i>Microbes and Infection</i> , 2019, 21, 222-229.	1.9	6
14	A novel form of Deleted in breast cancer 1 (DBC1) lacking the N-terminal domain does not bind SIRT1 and is dynamically regulated in vivo. <i>Scientific Reports</i> , 2019, 9, 14381.	3.3	6
15	Nitroalkylation of $\alpha$ -Synuclein by Nitro-Oleic Acid: Implications for Parkinson's Disease. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1127, 169-179.	1.6	3
16	Combining proteomics and bioinformatics to explore novel tegumental antigens as vaccine candidates against <i>Echinococcus granulosus</i> infection. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 15320-15336.	2.6	11
17	Novel mechanistic insights into physiological signaling pathways mediated by mycobacterial Ser/Thr protein kinases. <i>Genes and Immunity</i> , 2019, 20, 383-393.	4.1	16
18	New substrates and interactors of the mycobacterial Serine/Threonine protein kinase PknG identified by a tailored interactomic approach. <i>Journal of Proteomics</i> , 2019, 192, 321-333.	2.4	30

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19	Crosstalk between the serine/threonine kinase StkP and the response regulator ComE controls the stress response and intracellular survival of <i>Streptococcus pneumoniae</i> . <i>PLoS Pathogens</i> , 2018, 14, e1007118.	4.7	33
20	S100-A9 protein in exosomes from chronic lymphocytic leukemia cells promotes NF- $\kappa$ B activity during disease progression. <i>Blood</i> , 2017, 130, 777-788.	1.4	79
21	DiagnoProt: a tool for discovery of new molecules by mass spectrometry. <i>Bioinformatics</i> , 2017, 33, 1883-1885.	4.1	7
22	Protein content of the <i>Hylesia metabus</i> egg nest setae (Cramer [1775]) (Lepidoptera: Saturniidae) and its association with the parental investment for the reproductive success and lepidopterism. <i>Journal of Proteomics</i> , 2017, 150, 183-200.	2.4	9
23	The EAL-domain protein FcsR regulates flagella, chemotaxis and type III secretion system in <i>Pseudomonas aeruginosa</i> by a phosphodiesterase independent mechanism. <i>Scientific Reports</i> , 2017, 7, 10281.	3.3	19
24	Functional diversity of secreted cestode Kunitz proteins: Inhibition of serine peptidases and blockade of cation channels. <i>PLoS Pathogens</i> , 2017, 13, e1006169.	4.7	28
25	Characterization of prophages containing $\phi$ -evolved $\phi$ -Dit/Tal modules in the genome of <i>Lactobacillus casei</i> BL23. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 9201-9215.	3.6	22
26	A constant area monolayer method to assess optimal lipid packing for lipolysis tested with several secreted phospholipase A2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2015, 1848, 2216-2224.	2.6	5
27	Structural characterization and biological implications of sulfated N-glycans in a serine protease from the neotropical moth <i>Hylesia metabus</i> (Cramer [1775]) (Lepidoptera: Saturniidae). <i>Glycobiology</i> , 2015, 26, cwv096.	2.5	18
28	The crystal structure of the catalytic domain of the ser/thr kinase PknA from <i>M. tuberculosis</i> shows an Src-like autoinhibited conformation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015, 83, 982-988.	2.6	11
29	New potential eukaryotic substrates of the mycobacterial protein tyrosine phosphatase PtpA: hints of a bacterial modulation of macrophage bioenergetics state. <i>Scientific Reports</i> , 2015, 5, 8819.	3.3	31
30	Molecular Basis of the Activity and the Regulation of the Eukaryotic-like S/T Protein Kinase PknG from <i>Mycobacterium tuberculosis</i> . <i>Structure</i> , 2015, 23, 1039-1048.	3.3	37
31	Evaluation of Cocktails with Recombinant Proteins of <i>Mycobacterium bovis</i> for a Specific Diagnosis of Bovine Tuberculosis. <i>BioMed Research International</i> , 2014, 2014, 1-12.	1.9	7
32	<i>Trypanosoma cruzi</i> chemical proteomics using immobilized benzimidazole. <i>Experimental Parasitology</i> , 2014, 140, 33-38.	1.2	14
33	Structural and Molecular Basis of the Peroxynitrite-mediated Nitration and Inactivation of <i>Trypanosoma cruzi</i> Iron-Superoxide Dismutases (Fe-SODs) A and B. <i>Journal of Biological Chemistry</i> , 2014, 289, 12760-12778.	3.4	51
34	Inhibition of <i>Mycobacterium tuberculosis</i> PknG by non-catalytic rubredoxin domain specific modification: reaction of an electrophilic nitro-fatty acid with the Fe-S center. <i>Free Radical Biology and Medicine</i> , 2013, 65, 150-161.	2.9	30
35	Phagocyte-specific S100 proteins in the local response to the <i>Echinococcus granulosus</i> larva. <i>Parasitology</i> , 2012, 139, 271-283.	1.5	16
36	Exploring the Structural Details of Cu(I) Binding to $\alpha$ -Synuclein by NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2011, 133, 194-196.	13.7	83

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37	Proteomic survey of the cestode <i>Mesocestoides corti</i> during the first 24 hours of strobilar development. <i>Parasitology Research</i> , 2011, 108, 645-656.	1.6	26
38	Serine/threonine protein kinase PrkA of the human pathogen <i>Listeria monocytogenes</i> : Biochemical characterization and identification of interacting partners through proteomic approaches. <i>Journal of Proteomics</i> , 2011, 74, 1720-1734.	2.4	70
39	Identification, cloning and characterization of an aldo-keto reductase from <i>Trypanosoma cruzi</i> with quinone oxido-reductase activity. <i>Molecular and Biochemical Parasitology</i> , 2010, 173, 132-141.	1.1	24
40	Bioinorganic Chemistry of Parkinson's Disease: Structural Determinants for the Copper-Mediated Amyloid Formation of Alpha-Synuclein. <i>Inorganic Chemistry</i> , 2010, 49, 10668-10679.	4.0	119
41	A Family of Diverse Kunitz Inhibitors from <i>Echinococcus granulosus</i> Potentially Involved in Host-Parasite Cross-Talk. <i>PLoS ONE</i> , 2009, 4, e7009.	2.5	33
42	Inactivation of cystathionine $\beta$ -synthase with peroxynitrite. <i>Archives of Biochemistry and Biophysics</i> , 2009, 491, 96-105.	3.0	27
43	Mycobacterial Ser/Thr protein kinases and phosphatases: Physiological roles and therapeutic potential. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 193-202.	2.3	153
44	MALDI-TOF MS analysis of labile <i>Lolium perenne</i> major allergens in mixes. <i>Clinical and Experimental Allergy</i> , 2008, 38, 1391-1399.	2.9	13
45	Regulation of glutamate metabolism by protein kinases in mycobacteria. <i>Molecular Microbiology</i> , 2008, 70, 1408-1423.	2.5	147
46	Site-Specific Interactions of Cu(II) with $\beta$ and $\beta$ -Synuclein: Bridging the Molecular Gap between Metal Binding and Aggregation. <i>Journal of the American Chemical Society</i> , 2008, 130, 11801-11812.	13.7	160
47	Reactivity of Sulfenic Acid in Human Serum Albumin. <i>Biochemistry</i> , 2008, 47, 358-367.	2.5	144
48	A distinctive repertoire of cathepsins is expressed by juvenile invasive <i>Fasciola hepatica</i> . <i>Biochimie</i> , 2008, 90, 1461-1475.	2.6	90
49	Proteomic analysis of metacyclic trypomastigotes undergoing <i>Trypanosoma cruzi</i> metacyclogenesis. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1422-1432.	1.6	90
50	Reversible Post-translational Modification of Proteins by Nitrated Fatty Acids in Vivo. <i>Journal of Biological Chemistry</i> , 2006, 281, 20450-20463.	3.4	248
51	Analysis of the <i>Trypanosoma cruzi</i> cyclophilin gene family and identification of Cyclosporin A binding proteins. <i>Parasitology</i> , 2006, 132, 867-882.	1.5	21
52	Proteomic Identification of <i>M.tuberculosis</i> Protein Kinase Substrates: PknB Recruits GarA, a FHA Domain-containing Protein, Through Activation Loop-mediated Interactions. <i>Journal of Molecular Biology</i> , 2005, 350, 953-963.	4.2	142
53	Conserved autophosphorylation pattern in activation loops and juxtamembrane regions of <i>Mycobacterium tuberculosis</i> Ser/Thr protein kinases. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 858-867.	2.1	83
54	Time Course and Site(s) of Cytochrome c Tyrosine Nitration by Peroxynitrite. <i>Biochemistry</i> , 2005, 44, 8038-8046.	2.5	108

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55	Identification of the Chicken MARCKS Phosphorylation Site Specific for Differentiating Neurons as Ser 25 Using a Monoclonal Antibody and Mass Spectrometry. <i>Journal of Proteome Research</i> , 2004, 3, 84-90.	3.7	12
56	Proteome analysis of the causative agent of Chagas disease: <i>Trypanosoma cruzi</i> . <i>International Journal for Parasitology</i> , 2004, 34, 881-886.	3.1	61
57	Inactivation of human Cu,Zn superoxide dismutase by peroxyxynitrite and formation of histidinyl radical. <i>Free Radical Biology and Medicine</i> , 2004, 37, 813-822.	2.9	124
58	PknB kinase activity is regulated by phosphorylation in two Thr residues and dephosphorylation by PstP, the cognate phospho-Ser/Thr phosphatase, in <i>Mycobacterium tuberculosis</i> . <i>Molecular Microbiology</i> , 2003, 49, 1493-1508.	2.5	166
59	Identification of an Iron-Regulated, Hemin-Binding Outer Membrane Protein in <i>Sinorhizobium meliloti</i> . <i>Applied and Environmental Microbiology</i> , 2002, 68, 5877-5881.	3.1	23
60	Effects of muscarinic toxins MT1 and MT2 from green mamba on different muscarinic cholinceptors. <i>Neurochemical Research</i> , 2002, 27, 1543-1554.	3.3	36
61	Muscarinic toxins: novel pharmacological tools for the muscarinic cholinergic system. <i>Toxicon</i> , 2000, 38, 747-761.	1.6	50
62	Amino acid sequence and three-dimensional structure of the Tn-specific isolectin B4 from <i>Vicia villosa</i> . <i>FEBS Letters</i> , 1997, 412, 190-196.	2.8	25
63	Fasciculin: Modification of carboxyl groups and discussion of structure-activity relationship. <i>Toxicon</i> , 1996, 34, 718-721.	1.6	4
64	Effect of fasciculin on hydrolysis of neutral and choline esters by butyrylcholinesterase, cobra venom and chicken acetylcholinesterases. <i>Toxicon</i> , 1996, 34, 959-963.	1.6	14
65	Fasciculin inhibition of acetylcholinesterase is prevented by chemical modification of the enzyme at a peripheral site. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1994, 1201, 381-388.	2.4	26