

# GlÃ³ria Regina Franco

## List of Publications by Year in descending order

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99  
papers

2,610  
citations

186265

28  
h-index

223800

46  
g-index

104  
all docs

104  
docs citations

104  
times ranked

3459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Swine and Poultry Pathogens: the Complete Genome Sequences of Two Strains of <i>Mycoplasma hyopneumoniae</i> and a Strain of <i>Mycoplasma synoviae</i> . <i>Journal of Bacteriology</i> , 2005, 187, 5568-5577.	2.2	289
2	Virus-Host Coevolution: Common Patterns of Nucleotide Motif Usage in Flaviviridae and Their Hosts. <i>PLoS ONE</i> , 2009, 4, e6282.	2.5	156
3	Identification of new schistosoma mansoni genes by the EST strategy using a directional cDNA library. <i>Gene</i> , 1995, 152, 141-147.	2.2	98
4	The long non-coding RNA NEAT1 is responsive to neuronal activity and is associated with hyperexcitability states. <i>Scientific Reports</i> , 2017, 7, 40127.	3.3	92
5	Phenotypic Screen of Early-Developing Larvae of the Blood Fluke, <i>Schistosoma mansoni</i> , using RNA Interference. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e502.	3.0	75
6	Evidence for Reductive Genome Evolution and Lateral Acquisition of Virulence Functions in Two <i>Corynebacterium pseudotuberculosis</i> Strains. <i>PLoS ONE</i> , 2011, 6, e18551.	2.5	75
7	Oxidative Stress and DNA Lesions: The Role of 8-Oxoguanine Lesions in <i>Trypanosoma cruzi</i> Cell Viability. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2279.	3.0	71
8	Unveiling Benznidazole's mechanism of action through overexpression of DNA repair proteins in <i>Trypanosoma cruzi</i> . <i>Environmental and Molecular Mutagenesis</i> , 2014, 55, 309-321.	2.2	70
9	Role of the Endogenous Antioxidant System in the Protection of <i>Schistosoma mansoni</i> Primary Sporocysts against Exogenous Oxidative Stress. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e550.	3.0	62
10	Yeast populations associated with the artisanal cheese produced in the region of Serra da Canastra, Brazil. <i>World Journal of Microbiology and Biotechnology</i> , 2006, 22, 1115-1119.	3.6	61
11	The <i>Schistosoma</i> gene discovery program: state of the art. <i>International Journal for Parasitology</i> , 2000, 30, 453-463.	3.1	60
12	Adar3 Is Involved in Learning and Memory in Mice. <i>Frontiers in Neuroscience</i> , 2018, 12, 243.	2.8	54
13	Genetic profiling of <i>Trypanosoma cruzi</i> directly in infected tissues using nested PCR of polymorphic microsatellites. <i>International Journal for Parasitology</i> , 2008, 38, 839-850.	3.1	51
14	Coinfection with Different <i>Trypanosoma cruzi</i> Strains Interferes with the Host Immune Response to Infection. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e846.	3.0	50
15	Genetic diversity of <i>Saccharomyces cerevisiae</i> strains during the 24 h fermentative cycle for the production of the artisanal Brazilian cachaca. <i>Letters in Applied Microbiology</i> , 2001, 33, 106-111.	2.2	49
16	Evaluation of cDNA Libraries from Different Developmental Stages of <i>Schistosoma mansoni</i> for Production of Expressed Sequence Tags (ESTs). <i>DNA Research</i> , 1997, 4, 231-240.	3.4	47
17	Analysis of the gene expression profile of <i>Schistosoma mansoni</i> cercariae using the expressed sequence tag approach. <i>Molecular and Biochemical Parasitology</i> , 1999, 103, 79-97.	1.1	44
18	Characterization of the <i>Trypanosoma cruzi</i> Rad51 gene and its role in recombination events associated with the parasite resistance to ionizing radiation. <i>Molecular and Biochemical Parasitology</i> , 2006, 149, 191-200.	1.1	42

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19	Yeast artificial chromosome (YAC) -based genome mapping of <i>Schistosoma mansoni</i> . <i>Molecular and Biochemical Parasitology</i> , 1995, 69, 41-51.	1.1	39
20	DNA polymerase kappa from <i>Trypanosoma cruzi</i> localizes to the mitochondria, bypasses 8-oxoguanine lesions and performs DNA synthesis in a recombination intermediate. <i>Molecular Microbiology</i> , 2009, 71, 185-197.	2.5	38
21	Microarray analysis of gene expression induced by sexual contact in <i>Schistosoma mansoni</i> . <i>BMC Genomics</i> , 2007, 8, 181.	2.8	37
22	Recounting the FANTOM CAGE-Associated Transcriptome. <i>Genome Research</i> , 2020, 30, 1073-1081.	5.5	35
23	Functional Characterization of 8-Oxoguanine DNA Glycosylase of <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2012, 7, e42484.	2.5	34
24	A single FTO gene variant rs9939609 is associated with body weight evolution in a multiethnic extremely obese population that underwent bariatric surgery. <i>Nutrition</i> , 2015, 31, 1344-1350.	2.4	33
25	Structures for the Potential Drug Target Purine Nucleoside Phosphorylase from <i>Schistosoma mansoni</i> Causal Agent of Schistosomiasis. <i>Journal of Molecular Biology</i> , 2005, 353, 584-599.	4.2	32
26	Evidence of substantial recombination among <i>Trypanosoma cruzi</i> II strains from Minas Gerais. <i>Infection, Genetics and Evolution</i> , 2014, 22, 183-191.	2.3	30
27	<i>Biomphalaria tenagophila</i> / <i>Schistosoma mansoni</i> interaction: premises for a new approach to biological control of schistosomiasis. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2004, 99, 109-111.	1.6	30
28	DNA polymerase beta from <i>Trypanosoma cruzi</i> is involved in kinetoplast DNA replication and repair of oxidative lesions. <i>Molecular and Biochemical Parasitology</i> , 2012, 183, 122-131.	1.1	29
29	The spliced leader trans-splicing mechanism in different organisms: molecular details and possible biological roles. <i>Frontiers in Genetics</i> , 2013, 4, 199.	2.3	29
30	Biochemical studies with DNA polymerase $\beta$ and DNA polymerase $\beta$ -PAK of <i>Trypanosoma cruzi</i> suggest the involvement of these proteins in mitochondrial DNA maintenance. <i>DNA Repair</i> , 2008, 7, 1882-1892.	2.8	28
31	The MHC Gene Region of Murine Hosts Influences the Differential Tissue Tropism of Infecting <i>Trypanosoma cruzi</i> Strains. <i>PLoS ONE</i> , 2009, 4, e5113.	2.5	28
32	Cloning, expression and preliminary crystallographic studies of the potential drug target purine nucleoside phosphorylase from <i>Schistosoma mansoni</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2003, 59, 1096-1099.	2.5	25
33	Early polymerase chain reaction detection of Chagas disease reactivation in heart transplant patients. <i>Journal of Heart and Lung Transplantation</i> , 2017, 36, 797-805.	0.6	25
34	Prospection, structural analysis and phylogenetic relationships of endogenous $\beta$ -phospholipase A2 inhibitors in Brazilian Bothrops snakes (Viperidae, Crotalinae). <i>Toxicon</i> , 2008, 52, 122-129.	1.6	24
35	Drug repositioning for psychiatric and neurological disorders through a network medicine approach. <i>Translational Psychiatry</i> , 2020, 10, 141.	4.8	24
36	Cloning and characterization of DNA polymerase $\beta$ from <i>Trypanosoma cruzi</i> : Roles for translesion bypass of oxidative damage. <i>Environmental and Molecular Mutagenesis</i> , 2009, 50, 375-386.	2.2	23

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37	The recombinase Rad51 plays a key role in events of genetic exchange in <i>Trypanosoma cruzi</i> . <i>Scientific Reports</i> , 2018, 8, 13335.	3.3	23
38	The Influence of Recombinational Processes to Induce Dormancy in <i>Trypanosoma cruzi</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 5.	3.9	23
39	Characterization of a <i>Schistosoma mansoni</i> gene encoding a homologue of the Y-box binding protein. <i>Gene</i> , 1997, 198, 5-16.	2.2	22
40	Identification of lactic acid bacteria associated with traditional <i>cachaça</i> fermentations. <i>Brazilian Journal of Microbiology</i> , 2010, 41, 486-492.	2.0	21
41	Landscape of the spliced leader trans-splicing mechanism in <i>Schistosoma mansoni</i> . <i>Scientific Reports</i> , 2018, 8, 3877.	3.3	20
42	<i>Spathaspora boniae</i> sp. nov., a D-xylose-fermenting species in the <i>Candida albicans</i> /Lodderomyces clade. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 3798-3805.	1.7	20
43	The polymorphism rs17782313 near MC4R gene is related with anthropometric changes in women submitted to bariatric surgery over 60 months. <i>Clinical Nutrition</i> , 2018, 37, 1286-1292.	5.0	19
44	Whole-genome sequencing of the endemic Antarctic fungus <i>Antarctomyces pellizariae</i> reveals an ice-binding protein, a scarce set of secondary metabolites gene clusters and provides insights on Thelebolales phylogeny. <i>Genomics</i> , 2020, 112, 2915-2921.	2.9	19
45	Unequivocal Identification of Subpopulations in Putative Multiclonal <i>Trypanosoma cruzi</i> Strains by FACs Single Cell Sorting and Genotyping. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1722.	3.0	18
46	Catalase expression impairs oxidative stress-mediated signalling in <i>Trypanosoma cruzi</i> . <i>Parasitology</i> , 2017, 144, 1498-1510.	1.5	18
47	Assessment of genetic mutation frequency induced by oxidative stress in <i>Trypanosoma cruzi</i> . <i>Genetics and Molecular Biology</i> , 2018, 41, 466-474.	1.3	18
48	Clustering of <i>Schistosoma mansoni</i> mRNA sequences and analysis of the most transcribed genes: implications in metabolism and biology of different developmental stages. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2002, 97, 61-69.	1.6	17
49	Biological Activities of a Human Amniotic Membrane Interferon. <i>Placenta</i> , 1999, 20, 189-196.	1.5	16
50	Mismatch repair in <i>Trypanosoma brucei</i> : Heterologous expression of MSH2 from <i>Trypanosoma cruzi</i> provides new insights into the response to oxidative damage. <i>Gene</i> , 2008, 411, 19-26.	2.2	16
51	Transcriptional landscape of PTEN loss in primary prostate cancer. <i>BMC Cancer</i> , 2021, 21, 856.	2.6	16
52	Y-box binding protein from <i>Schistosoma mansoni</i> : interaction with DNA and RNA. <i>Molecular and Biochemical Parasitology</i> , 2002, 125, 47-57.	1.1	14
53	Characterization and comparative functional analysis in yeast of a <i>Schistosoma mansoni</i> Rho1 GTPase gene. <i>Molecular and Biochemical Parasitology</i> , 2002, 125, 103-112.	1.1	14
54	The in vivo and in vitro roles of <i>Trypanosoma cruzi</i> Rad51 in the repair of DNA double strand breaks and oxidative lesions. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006875.	3.0	14

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55	Cloning of a protein arginine methyltransferase PRMT1 homologue from <i>Schistosoma mansoni</i> : Evidence for roles in nuclear receptor signaling and RNA metabolism. <i>Biochemical and Biophysical Research Communications</i> , 2005, 335, 1163-1172.	2.1	13
56	Proteomic Analysis of <i>Trypanosoma cruzi</i> Response to Ionizing Radiation Stress. <i>PLoS ONE</i> , 2014, 9, e97526.	2.5	13
57	<i>Trypanosoma cruzi</i> Gene Expression in Response to Gamma Radiation. <i>PLoS ONE</i> , 2012, 7, e29596.	2.5	13
58	Draft Genome Sequence of the <i>Xylose-Fermenting Yeast Spathaspora arborariae</i> UFMG-HM19.1A. <i>Genome Announcements</i> , 2014, 2, .	0.8	12
59	Homology-Independent Metrics for Comparative Genomics. <i>Computational and Structural Biotechnology Journal</i> , 2015, 13, 352-357.	4.1	12
60	Evidentiation of Paramyosin (Sm-97) as a Modulating Antigen on Granulomatous Hypersensitivity to <i>Schistosoma mansoni</i> Eggs. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1997, 92, 663-667.	1.6	11
61	<i>Schistosoma mansoni</i> : Microarray analysis of gene expression induced by host sex. <i>Experimental Parasitology</i> , 2008, 120, 357-363.	1.2	11
62	The Brazilian contribution to the study of the <i>Schistosoma mansoni</i> transcriptome. <i>Acta Tropica</i> , 2008, 108, 179-182.	2.0	11
63	Structural and evolutionary insights into endogenous alpha-phospholipase A 2 inhibitors of Latin American pit vipers. <i>Toxicon</i> , 2016, 112, 35-44.	1.6	11
64	Molecular Characterization of the <i>Schistosoma mansoni</i> Zinc Finger Protein SmZF1 as a Transcription Factor. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e547.	3.0	10
65	A directed approach for the identification of transcripts harbouring the spliced leader sequence and the effect of trans-splicing knockdown in <i>Schistosoma mansoni</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 2013, 108, 707-717.	1.6	10
66	Lactate dehydrogenase: sequence and analysis of its expression during the life cycle of <i>Schistosoma mansoni</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 1998, 93, 205-206.	1.6	10
67	Computer aided identification of a Hevein-like antimicrobial peptide of bell pepper leaves for biotechnological use. <i>BMC Genomics</i> , 2016, 17, 999.	2.8	9
68	Effect of ionizing radiation exposure on <i>Trypanosoma cruzi</i> ubiquitin-proteasome system. <i>Molecular and Biochemical Parasitology</i> , 2017, 212, 55-67.	1.1	9
69	<i>Schistosoma mansoni</i> : Heterologous complementation of a yeast null mutant by SmRbx, a protein similar to a RING box protein involved in ubiquitination. <i>Experimental Parasitology</i> , 2007, 116, 440-449.	1.2	8
70	Functional properties of <i>Schistosoma mansoni</i> single-stranded DNA-binding protein SmPUR-1. <i>Molecular and Biochemical Parasitology</i> , 2004, 135, 21-30.	1.1	7
71	Draft Genome Sequence of <i>Metschnikowia australis</i> Strain UFMG-CM-Y6158, an Extremophile Marine Yeast Endemic to Antarctica. <i>Genome Announcements</i> , 2017, 5, .	0.8	7
72	Differential Modulation of Mouse Heart Gene Expression by Infection With Two <i>Trypanosoma cruzi</i> Strains: A Transcriptome Analysis. <i>Frontiers in Genetics</i> , 2020, 11, 1031.	2.3	7

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73	The tegument of <i>Schistosoma mansoni</i> : genes, antigens and the host-parasite relationship. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1998, 93, 85-86.	1.6	7
74	Update of the Gene Discovery Program in <i>Schistosoma mansoni</i> with the Expressed Sequence Tag Approach. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1997, 92, 625-629.	1.6	6
75	Cloning and characterization of SmZF1, a gene encoding a <i>Schistosoma mansoni</i> zinc finger protein. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2001, 96, 123-130.	1.6	6
76	Evaluation of the <i>Schistosoma mansoni</i> Y-box-binding protein (SMYB1) potential as a vaccine candidate against schistosomiasis. <i>Frontiers in Genetics</i> , 2014, 5, 174.	2.3	6
77	Adenine Glycosylase MutY of <i>Corynebacterium pseudotuberculosis</i> presents the antimutator phenotype and evidences of glycosylase/AP lyase activity in vitro. <i>Infection, Genetics and Evolution</i> , 2016, 44, 318-329.	2.3	6
78	Characterization of <i>Trypanosoma cruzi</i> MutY DNA glycosylase ortholog and its role in oxidative stress response. <i>Infection, Genetics and Evolution</i> , 2017, 55, 332-342.	2.3	6
79	Noncoding SNPs associated with increased GDF15 levels located in a metformin-activated enhancer region upstream of <i>GDF15</i> . <i>Pharmacogenomics</i> , 2020, 21, 509-520.	1.3	6
80	Sequencing and identification of expressed <i>Schistosoma mansoni</i> genes by random selection of cDNA clones from a directional library. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1995, 90, 215-216.	1.6	5
81	Characterization of a <i>Schistosoma mansoni</i> homologue of the gene encoding the breast basic conserved protein 1/L13 ribosomal protein. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 120, 701-708.	1.6	5
82	Production of full-length cDNA sequences by sequencing and analysis of expressed sequence tags from <i>Schistosoma mansoni</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , 2006, 101, 161-165.	1.6	5
83	<i>Schistosoma mansoni</i> : The IMP4 gene is involved in DNA repair/tolerance after treatment with alkylating agent methyl methane sulfonate. <i>Experimental Parasitology</i> , 2007, 116, 25-34.	1.2	5
84	A Basic Protein Comparative Three-Dimensional Modeling Methodological Workflow Theory and Practice. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2014, 11, 1052-1065.	3.0	5
85	Nucleic acid binding properties of SmZF1, a zinc finger protein of <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2004, 34, 1211-1219.	3.1	4
86	Modeling the zing finger protein SmZF1 from <i>Schistosoma mansoni</i> : Insights into DNA binding and gene regulation. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 39, 29-38.	2.4	4
87	Functional complementation of a yeast knockout strain by <i>Schistosoma mansoni</i> Rho1 GTPase in the presence of caffeine, an agent that affects mutants defective in the protein kinase C signal transduction pathway. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2006, 101, 323-326.	1.6	4
88	Identification of Genes Encoding <i>Schistosoma mansoni</i> Antigens Using an Antigenic Sequence Tag Strategy. <i>Journal of Parasitology</i> , 1998, 84, 1307.	0.7	3
89	Gene identification and comparative molecular modeling of a <i>Trypanosoma rangeli</i> major surface protease. <i>Journal of Molecular Modeling</i> , 2013, 19, 3053-3064.	1.8	3
90	<i>Trypanosoma cruzi</i> RNA-binding protein ALBA30 aggregates into cytoplasmic foci under nutritional stress. <i>Parasitology Research</i> , 2020, 119, 749-753.	1.6	3

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91	Characterization of an abundant <i>Schistosoma mansoni</i> transcript with no homologs in the databases. <i>Memorias Do Instituto Oswaldo Cruz</i> , 1998, 93, 211-213.	1.6	3
92	KOMODO: a web tool for detecting and visualizing biased distribution of groups of homologous genes in monophyletic taxa. <i>Nucleic Acids Research</i> , 2012, 40, W491-W497.	14.5	2
93	LSSP-PCR of <i>Trypanosoma cruzi</i> : how the single primer sequence affects the kDNA signature. <i>BMC Research Notes</i> , 2013, 6, 174.	1.4	2
94	Identification of a new <i>Schistosoma mansoni</i> SMYB1 partner: putative roles in RNA metabolism. <i>Parasitology</i> , 2013, 140, 1085-1095.	1.5	2
95	The evolution of knowledge on genes associated with human diseases. <i>IScience</i> , 2022, 25, 103610.	4.1	2
96	Cloning and Molecular Characterization of the <i>Schistosoma mansoni</i> Genes RbAp48 and Histone H4. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2002, 97, 76-84.	1.6	1
97	PRODIS: a proteomics data management system with support to experiment tracking. <i>BMC Genomics</i> , 2011, 12, S15.	2.8	1
98	Draft genome sequence of <i>Sugiyamaella xylanicola</i> UFMG-CM-Y1884 T, a xylan-degrading yeast species isolated from rotting wood samples in Brazil. <i>Genomics Data</i> , 2017, 11, 120-121.	1.3	1
99	Isolation and characterization of HC1: a novel human DNA repair gene. <i>Genetics and Molecular Research</i> , 2009, 8, 247-260.	0.2	1