OtacÃ-lio Cruz Moreira

List of Publications by Year
in descending order

93 papers	1,981 citations	218677 26 h-index	302126 39 g-index
96 all docs	96 docs citations	96 times ranked	2505 citing authors

#	Article	IF	Citations
1	Analytical Validation of Quantitative Real-Time PCR Methods for Quantification of Trypanosoma cruzi DNA in Blood Samples from Chagas Disease Patients. Journal of Molecular Diagnostics, 2015, 17, 605-615.	2.8	153
2	Towards the establishment of a consensus real-time qPCR to monitor Trypanosoma cruzi parasitemia in patients with chronic Chagas disease cardiomyopathy: A substudy from the BENEFIT trial. Acta Tropica, 2013, 125, 23-31.	2.0	131
3	A Human Type 5 Adenovirus-Based Trypanosoma cruzi Therapeutic Vaccine Re-programs Immune Response and Reverses Chronic Cardiomyopathy. PLoS Pathogens, 2015, 11, e1004594.	4.7	88
4	Tumor Necrosis Factor Is a Therapeutic Target for Immunological Unbalance and Cardiac Abnormalities in Chronic Experimental Chagasâ€™ Heart Disease. Mediators of Inflammation, 2014, 2014, 1-16.	3.0	65
5	TGF-Î² inhibitor therapy decreases fibrosis and stimulates cardiac improvement in a pre-clinical study of chronic Chagasâ€™ heart disease. PLoS Neglected Tropical Diseases, 2019, 13, e0007602.	3.0	64
6	Unraveling Chagas disease transmission through the oral route: Gateways to Trypanosoma cruzi infection and target tissues. PLoS Neglected Tropical Diseases, 2017, 11, e0005507.	3.0	61
7	Trypanosoma cruzi Infection through the Oral Route Promotes a Severe Infection in Mice: New Disease Form from an Old Infection?. PLoS Neglected Tropical Diseases, 2015, 9, e0003849.	3.0	58
8	Inducible Nitric Oxide Synthase in Heart Tissue and Nitric Oxide in Serum of Trypanosoma cruzi-Infected Rhesus Monkeys: Association with Heart Injury. PLoS Neglected Tropical Diseases, 2012, 6, e1644.	3.0	54
9	Impact of Trypanosoma cruzi on antimicrobial peptide gene expression and activity in the fat body and midgut of Rhodnius prolixus. Parasites and Vectors, 2016, 9, 119.	2.5	53
10	SYBR Green-based Real-Time PCR targeting kinetoplast DNA can be used to discriminate between the main etiologic agents of Brazilian cutaneous and visceral leishmaniases. Parasites and Vectors, 2012, 5, 15.	2.5	52
11	Pentoxifylline Reverses Chronic Experimental Chagasic Cardiomyopathy in Association with Repositioning of Abnormal CD8+ T-Cell Response. PLoS Neglected Tropical Diseases, 2015, 9, e0003659.	3.0	51
12	Usefulness of real time PCR to quantify parasite load in serum samples from chronic Chagas disease patients. Parasites and Vectors, 2015, 8, 154.	2.5	48
13	Combination Chemotherapy with Suboptimal Doses of Benznidazole and Pentoxifylline Sustains Partial Reversion of Experimental Chagas' Heart Disease. Antimicrobial Agents and Chemotherapy, 2016, 60, 4297-4309.	3.2	48
14	Exploring the parasite load and molecular diversity of Trypanosoma cruzi in patients with chronic Chagas disease from different regions of Brazil. PLoS Neglected Tropical Diseases, 2018, 12, e0006939.	3.0	44
15	An Î±-Gal-containing neoglycoprotein-based vaccine partially protects against murine cutaneous leishmaniasis caused by Leishmania major. PLoS Neglected Tropical Diseases, 2017, 11, e0006039.	3.0	40
16	A prophylactic Î±-Gal-based glycovaccine effectively protects against murine acute Chagas disease. Npj Vaccines, 2019, 4, 13.	6.0	40
17	The applicability of real-time PCR in the diagnostic of cutaneous leishmaniasis and parasite quantification for clinical management: Current status and perspectives. Acta Tropica, 2018, 184, 29-37.	2.0	35
18	Cruzipain Promotes Trypanosoma cruzi Adhesion to Rhodnius prolixus Midgut. PLoS Neglected Tropical Diseases, 2012, 6, e1958.	3.0	34

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19	Trypanosoma cruzi-induced depressive-like behavior is independent of meningoencephalitis but responsive to parasiticide and TNF-targeted therapeutic interventions. Brain, Behavior, and Immunity, 2012, 26, 1136-1149.	4.1	34
20	New approaches for the standardization and validation of a real-time qPCR assay using TaqMan probes for quantification of yellow fever virus on clinical samples with high quality parameters. Human Vaccines and Immunotherapeutics, 2015, 11, 1865-1871.	3.3	33
21	Antitrypanosomal Activity of Sterol 14Î±-Demethylase (CYP51) Inhibitors VNI and VFV in the Swiss Mouse Models of Chagas Disease Induced by the Trypanosoma cruzi Y Strain. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	33
22	Colonization and genetic diversification processes of Leishmania infantum in the Americas. Communications Biology, 2021, 4, 139.	4.4	32
23	21-Benzylidene Digoxin: A Proapoptotic Cardenolide of Cancer Cells That Up-Regulates Na,K-ATPase and Epithelial Tight Junctions. PLoS ONE, 2014, 9, e108776.	2.5	32
24	Comparative Evaluation of Lesion Development, Tissue Damage, and Cytokine Expression in Golden Hamsters (Mesocricetus auratus) Infected by Inocula with Different Leishmania (Viannia) braziliensis Concentrations. Infection and Immunity, 2014, 82, 5203-5213.	2.2	30
25	Monitoring the parasite load in chronic Chagas disease patients: comparison between blood culture and quantitative real time PCR. PLoS ONE, 2018, 13, e0208133.	2.5	29
26	Effects of Î³-irradiation on the membrane ATPases of human erythrocytes from transfusional blood concentrates. Annals of Hematology, 2008, 87, 113-119.	1.8	28
27	Mechanisms of growth inhibition of Phytomonas serpens by the alkaloids tomatine and tomatidine. Memorias Do Instituto Oswaldo Cruz, 2015, 110, 48-55.	1.6	28
28	Inhibition of plasma membrane Ca2+-ATPase by CrATP. LaATP but not CrATP stabilizes the Ca2+-occluded state. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1708, 411-419.	1.0	25
29	Development of conventional and real-time multiplex PCR-based assays for estimation of natural infection rates and Trypanosoma cruzi load in triatomine vectors. Parasites and Vectors, 2017, 10, 404.	2.5	23
30	Development of real-time PCR assays for evaluation of immune response and parasite load in golden hamster (Mesocricetus auratus) infected by Leishmania (Viannia) braziliensis. Parasites and Vectors, 2016, 9, 361.	2.5	22
31	Detection and genotyping of Trypanosoma cruzi from aÃ§ai products commercialized in Rio de Janeiro and ParÃ¡, Brazil. Parasites and Vectors, 2018, 11, 233.	2.5	22
32	The NF-ÎºB Inhibitor, IMD-0354, Affects Immune Gene Expression, Bacterial Microbiota and Trypanosoma cruzi Infection in Rhodnius prolixus Midgut. Frontiers in Physiology, 2018, 9, 1189.	2.8	22
33	Intranasal Vaccination with Leishmanial Antigens Protects Golden Hamsters (Mesocricetus auratus) Against Leishmania (Viannia) braziliensis Infection. PLoS Neglected Tropical Diseases, 2015, 9, e3439.	3.0	21
34	In Vitro and In Vivo Trypanosomicidal Action of Novel Arylimidamides against Trypanosoma cruzi. Antimicrobial Agents and Chemotherapy, 2016, 60, 2425-2434.	3.2	21
35	Proof of Concept for a Portable Platform for Molecular Diagnosis of Tropical Diseases. Journal of Molecular Diagnostics, 2019, 21, 839-851.	2.8	20
36	Selenium Treatment and Chagasic Cardiopathy (STCC): study protocol for a double-blind randomized controlled trial. Trials, 2014, 15, 388.	1.6	19

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37	Mast Cell Function and Death in Trypanosoma cruzi Infection. American Journal of Pathology, 2011, 179, 1894-1904.	3.8	18
38	Different Therapeutic Outcomes of Benznidazole and VNI Treatments in Different Genders in Mouse Experimental Models of Trypanosoma cruzi Infection. Antimicrobial Agents and Chemotherapy, 2015, 59, 7564-7570.	3.2	17
39	Priming astrocytes with TNF enhances their susceptibility to Trypanosoma cruzi infection and creates a self-sustaining inflammatory milieu. Journal of Neuroinflammation, 2017, 14, 182.	7.2	17
40	CrATP interferes in the promastigote-macrophage interaction inLeishmania amazonensisinfection. Parasitology, 2011, 138, 960-968.	1.5	16
41	Comparison and clinical validation of qPCR assays targeting Leishmania 18S rDNA and HSP70 genes in patients with American Tegumentary Leishmaniasis. PLoS Neglected Tropical Diseases, 2020, 14, e0008750.	3.0	16
42	Inhibition of TGF-Î² pathway reverts extracellular matrix remodeling in T. cruzi-infected cardiac spheroids. Experimental Cell Research, 2018, 362, 260-267.	2.6	15
43	Successful Aspects of the Coadministration of Sterol 14Î±-Demethylase Inhibitor VFV and Benznidazole in Experimental Mouse Models of Chagas Disease Caused by the Drug-Resistant Strain of Trypanosoma cruzi. ACS Infectious Diseases, 2019, 5, 365-371.	3.8	14
44	Memory impairment in chronic experimental Chagas disease: Benznidazole therapy reversed cognitive deficit in association with reduction of parasite load and oxidative stress in the nervous tissue. PLoS ONE, 2021, 16, e0244710.	2.5	14
45	CrATP as a new inhibitor of ecto-ATPases of trypanosomatids. Parasitology, 2009, 136, 35-44.	1.5	12
46	Association between Trypanosoma cruzi DTU TcII and chronic Chagas disease clinical presentation and outcome in an urban cohort in Brazil. PLoS ONE, 2020, 15, e0243008.	2.5	12
47	Validation of a novel molecular assay to the diagnostic of COVID-19 based on real time PCR with high resolution melting. PLoS ONE, 2021, 16, e0260087.	2.5	12
48	Effects of Selenium treatment on cardiac function in Chagas heart disease: Results from the STCC randomized Trial. EClinicalMedicine, 2021, 40, 101105.	7.1	11
49	Chelerythrine inhibits the sarco/endoplasmic reticulum Ca2+-ATPase and results in cell Ca2+ imbalance. Archives of Biochemistry and Biophysics, 2015, 570, 58-65.	3.0	10
50	Sphingosine-1-Phosphate Induces Dose-Dependent Chemotaxis or Fugetaxis of T-ALL Blasts through S1P1 Activation. PLoS ONE, 2016, 11, e0148137.	2.5	10
51	Genotyping of Trypanosoma cruzi from Clinical Samples by Multilocus Conventional PCR. Methods in Molecular Biology, 2019, 1955, 227-238.	0.9	10
52	6â€Methylâ€7â€Arylâ€7â€Deazapurine Nucleosides as Antiâ€•Trypanosoma cruzi Agents: Structureâ€Activity Relationship and inâ€…vivo Efficacy. ChemMedChem, 2021, 16, 2231-2253.	3.2	10
53	Nucleoside triphosphate diphosphohydrolase1 (TcNTPDase-1) gene expression is increased due to heat shock and in infective forms of Trypanosoma cruzi. Parasites and Vectors, 2014, 7, 463.	2.5	9
54	Sphingosine-1-Phosphate Receptor 1 Is Involved in Non-Obese Diabetic Mouse Thymocyte Migration Disorders. International Journal of Molecular Sciences, 2018, 19, 1446.	4.1	9

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55	Multiplex qPCR facilitates identification of betaherpesviruses in patients with acute liver failure of unknown etiology. BMC Infectious Diseases, 2019, 19, 773.	2.9	9
56	Treatment With Suboptimal Dose of Benznidazole Mitigates Immune Response Molecular Pathways in Mice With Chronic Chagas Cardiomyopathy. Frontiers in Cellular and Infection Microbiology, 2021, 11, 692655.	3.9	9
57	Validation of a novel multiplex real-time PCR assay for Trypanosoma cruzi detection and quantification in aÃ§ai pulp. PLoS ONE, 2021, 16, e0246435.	2.5	8
58	Modulation of miR-145-5p and miR-146b-5p levels is linked to reduced parasite load in H9C2 Trypanosoma cruzi infected cardiomyoblasts. Scientific Reports, 2022, 12, 1436.	3.3	8
59	Mechanism of modulation of the plasma membrane Ca2+-ATPase by arachidonic acid. Prostaglandins and Other Lipid Mediators, 2008, 87, 47-53.	1.9	7
60	Effects of Cholinergic Stimulation with Pyridostigmine Bromide on Chronic Chagasic Cardiomyopathic Mice. Mediators of Inflammation, 2014, 2014, 1-13.	3.0	7
61	Impact of levamisole in co-administration with benznidazole on experimental Chagas disease. Parasitology, 2019, 146, 1055-1062.	1.5	7
62	Role of FAK signaling in chagasic cardiac hypertrophy. Brazilian Journal of Infectious Diseases, 2020, 24, 386-397.	0.6	7
63	Toward the Establishment of a Single Standard Curve for Quantification of Trypanosoma cruzi Natural Populations Using a Synthetic Satellite Unit DNAÂSequence. Journal of Molecular Diagnostics, 2021, 23, 521-531.	2.8	7
64	Genotypic Trypanosoma cruzi distribution and parasite load differ ecotypically and according to parasite genotypes in Triatoma brasiliensis from endemic and outbreak areas in Northeastern Brazil. Acta Tropica, 2021, 222, 106054.	2.0	7
65	7-Aryl-7-deazapurine 3â€²-deoxyribonucleoside derivative as a novel lead for Chagasâ€™ disease therapy: in vitro and in vivo pharmacology. JAC-Antimicrobial Resistance, 2021, 3, dlab168.	2.1	7
66	The effect of the dengue non-structural 1 protein expression over the HepG2 cell proteins in a proteomic approach. Journal of Proteomics, 2017, 152, 339-354.	2.4	6
67	Human acute Chagas disease: changes in factor VII, activated protein C and hepatic enzymes from patients of oral outbreaks in ParÃ¡ State (Brazilian Amazon). Memorias Do Instituto Oswaldo Cruz, 2020, 115, e190364.	1.6	6
68	Inhibition of plasma membrane Ca2+-ATPase by heparin is modulated by potassium. International Journal of Biochemistry and Cell Biology, 2007, 39, 586-596.	2.8	5
69	Effect of Posaconazole in an in vitro model of cardiac fibrosis induced by Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2020, 238, 111283.	1.1	5
70	Knocking Down TcNTPDase-1 Gene Reduces in vitro Infectivity of Trypanosoma cruzi. Frontiers in Microbiology, 2020, 11, 434.	3.5	5
71	Benznidazole modulates release of inflammatory mediators by cardiac spheroids infected with Trypanosoma cruzi. Experimental Parasitology, 2021, 221, 108061.	1.2	5
72	A Cytokine Network Balance Influences the Fate of LeishmaniaÂ(Viannia)Âbraziliensis Infection in a Cutaneous Leishmaniasis Hamster Model. Frontiers in Immunology, 2021, 12, 656919.	4.8	5

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73	Disulfiram repurposing in the combined chemotherapy of Chagas disease. Medicine, Case Reports and Study Protocols, 2021, 2, e0110.	0.1	5
74	Putative role of an ABC transporter in Fonsecaea pedrosoi multidrug resistance. International Journal of Antimicrobial Agents, 2012, 40, 409-415.	2.5	4
75	Assessing Parasite Load in Chagas Disease Patients by Quantitative Multiplex Real-Time PCR. Methods in Molecular Biology, 2019, 1955, 215-225.	0.9	4
76	Physical Exercise Promotes a Reduction in Cardiac Fibrosis in the Chronic Indeterminate Form of Experimental Chagas Disease. Frontiers in Immunology, 2021, 12, 712034.	4.8	4
77	Targeting the Hexosamine Biosynthetic Pathway Prevents Plasmodium Developmental Cycle and Disease Pathology in Vertebrate Host. Frontiers in Microbiology, 2019, 10, 305.	3.5	3
78	Analytical validation of real-time quantitative PCR assays for optimum diagnosis of vivax malaria. Memorias Do Instituto Oswaldo Cruz, 2019, 114, e180350.	1.6	3
79	The induction of host cell autophagy triggers defense mechanisms against Trypanosoma cruzi infection in vitro. European Journal of Cell Biology, 2020, 99, 151060.	3.6	3
80	In Vitro and In Vivo Evaluation of an Adamantyl-Based Phenyl Sulfonyl Acetamide against Cutaneous Leishmaniasis Models of Leishmania amazonensis. Antimicrobial Agents and Chemotherapy, 2020, 64, .	3.2	3
81	Phenotypic investigation of 4-nitrophenylacetyl- and 4-nitro-1H-imidazoyl-based compounds as antileishmanial agents. Parasitology, 2022, , 1-21.	1.5	3
82	The in vitro Mycobacterium bovisÂBCG Moreau infection of human monocytes that induces Caspase-1 expression, release and dependent cell death is mostly reliant upon cell integrity. Journal of Inflammation, 2019, 16, 18.	3.4	2
83	After Experimental Trypanosoma cruzi Infection, Dying Hepatic CD3+TCRÎ±Î²+B220+ T Lymphocytes Are Rescued from Death by Peripheral T Cells and Become Activated. Pathogens, 2020, 9, 717.	2.8	2
84	21â€benzylidene digoxin effect on tight junctions proteins. FASEB Journal, 2013, 27, .	0.5	0
85	Regulation of ectoâ€NTPDase I gene expression in Trypanosoma cruzi (974.7). FASEB Journal, 2014, 28, 974.7.	0.5	0
86	Development of Quantitative Real-Time PCR (TaqMan Triplex System) for the Diagnosis and Evaluation of Therapeutic Efficacy in Chagas Disease. , 2019, , .		0
87	Title is missing!. , 2020, 15, e0243008.		0
88	Title is missing!. , 2020, 15, e0243008.		0
89	Title is missing!. , 2020, 15, e0243008.		0
90	Title is missing!. , 2020, 15, e0243008.		0

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91	Title is missing!. , 2020, 15, e0243008.		0
92	Title is missing!. , 2020, 15, e0243008.		0
93	RNA as a feasible marker of Trypanosoma cruzi viability during the parasite interaction with the triatomine vector Rhodnius prolixus (Hemiptera, Triatominae). PLoS Neglected Tropical Diseases, 2022, 16, e0010535.	3.0	0