Jair Lage Siqueira-Neto

List of Publications by Citations

72 papers	1,557 citations	22 h-index	37 g-index
80 ext. papers	1,972 ext. citations	6.2 avg, IF	4.4 L-index

#	Paper	IF	Citations
72	Visceral leishmaniasis treatment: What do we have, what do we need and how to deliver it?. *International Journal for Parasitology: Drugs and Drug Resistance*, **2012**, 2, 11-9	4	176
71	Antileishmanial high-throughput drug screening reveals drug candidates with new scaffolds. *PLoS Neglected Tropical Diseases*, **2010**, 4, e675	4.8	98
70	An image-based high-content screening assay for compounds targeting intracellular Leishmania donovani amastigotes in human macrophages. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1671	4.8	98
69	Zika Virus Targets Glioblastoma Stem Cells through a SOX2-Integrin Axis. *Cell Stem Cell*, **2020**, 26, 187-204.e10	18	65
68	Machine Learning Models and Pathway Genome Data Base for Trypanosoma cruzi Drug Discovery. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003878	4.8	61
67	Targeting Ergosterol biosynthesis in Leishmania donovani: essentiality of sterol 14 alpha-demethylase. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003588	4.8	60
66	Cysteine proteases in protozoan parasites. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006512	4.8	59
65	Genome-Directed Lead Discovery: Biosynthesis, Structure Elucidation, and Biological Evaluation of Two Families of Polyene Macrolactams against Trypanosoma brucei. *ACS Chemical Biology*, **2015**, 10, 2373-81	4.9	50
64	Synthesis of a sugar-based thiosemicarbazone series and structure-activity relationship versus the parasite cysteine proteases rhodesain, cruzain, and Schistosoma mansoni cathepsin B1. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 2666-77	5.9	45
63	Chromatin landscapes reveal developmentally encoded transcriptional states that define human glioblastoma. *Journal of Experimental Medicine*, **2019**, 216, 1071-1090	16.6	44
62	Blocking Zika virus vertical transmission. *Scientific Reports*, **2018**, 8, 1218	4.9	41
61	Open drug discovery for the Zika virus. *F1000Research*, **2016**, 5, 150	3.6	41
60	Current and Future Chemotherapy for Chagas Disease. *Current Medicinal Chemistry*, **2015**, 22, 4293-312	4.3	37
59	4-Aminopyridyl-based CYP51 inhibitors as anti-Trypanosoma cruzi drug leads with improved pharmacokinetic profile and in vivo potency. *Journal of Medicinal Chemistry*, **2014**, 57, 6989-7005	8.3	36
58	Synthesis and biological evaluation of 2,3-dihydroimidazo[1,2-a]benzimidazole derivatives against Leishmania donovani and Trypanosoma cruzi. *European Journal of Medicinal Chemistry*, **2014**, 84, 395-403	6.8	36
57	Diversity-oriented synthesis yields a new drug lead for treatment of chagas disease. *ACS Medicinal Chemistry Letters*, **2014**, 5, 149-53	4.3	34
56	Drugs for the Treatment of Zika Virus Infection. *Journal of Medicinal Chemistry*, **2020**, 63, 470-489	8.3	33

55	Proteomic-based approach to gain insight into reprogramming of THP-1 cells exposed to Leishmania donovani over an early temporal window. *Infection and Immunity*, **2015**, 83, 1853-68	3.7	31
54	An image-based algorithm for precise and accurate high throughput assessment of drug activity against the human parasite Trypanosoma cruzi. *PLoS ONE*, **2014**, 9, e87188	3.7	29
53	Design, synthesis, molecular docking and biological evaluation of thiophen-2-iminothiazolidine derivatives for use against Trypanosoma cruzi. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4228-4240	3.4	28
52	Leishmania replication protein A-1 binds in vivo single-stranded telomeric DNA. *Biochemical and Biophysical Research Communications*, **2007**, 358, 417-23	3.4	26
51	Drug discovery for human African trypanosomiasis: identification of novel scaffolds by the newly developed HTS SYBR Green assay for Trypanosoma brucei. *Journal of Biomolecular Screening*, **2015**, 20, 70-81		22
50	Lead identification to clinical candidate selection: drugs for Chagas disease. *Journal of Biomolecular Screening*, **2015**, 20, 101-11		22
49	The putative telomerase reverse transcriptase component of Leishmania amazonensis: gene cloning and characterization. *Parasitology Research*, **2006**, 98, 447-54	2.4	22
48	Design of Gallinamide A Analogs as Potent Inhibitors of the Cysteine Proteases Human Cathepsin L and Cruzain. *Journal of Medicinal Chemistry*, **2019**, 62, 9026-9044	8.3	21
47	Mechanism of Action of Methotrexate Against Zika Virus. *Viruses*, **2019**, 11,	6.2	21
46	Telomere biology of trypanosomatids: beginning to answer some questions. *Trends in Parasitology*, **2007**, 23, 357-62	6.4	21
45	Experimental Chagas disease-induced perturbations of the fecal microbiome and metabolome. *PLoS Neglected Tropical Diseases*, **2018**, 12, e0006344	4.8	21
44	Mass Spectrometry-Based Chemical Cartography of a Cardiac Parasitic Infection. *Analytical Chemistry*, **2017**, 89, 10414-10421	7.8	20
43	Synthesis and Evaluation of Oxyguanidine Analogues of the Cysteine Protease Inhibitor WRR-483 against Cruzain. *ACS Medicinal Chemistry Letters*, **2016**, 7, 77-82	4.3	19
42	4-aminopyridyl-based lead compounds targeting CYP51 prevent spontaneous parasite relapse in a chronic model and improve cardiac pathology in an acute model of Trypanosoma cruzi infection. *PLoS Neglected Tropical Diseases*, **2017**, 11, e0006132	4.8	18
41	Rapid Chagas Disease Drug Target Discovery Using Directed Evolution in Drug-Sensitive Yeast. *ACS Chemical Biology*, **2017**, 12, 422-434	4.9	15
40	Development and Validation of a Phenotypic High-Content Imaging Assay for Assessing the Antiviral Activity of Small-Molecule Inhibitors Targeting Zika Virus. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	15
39	Binding mode and potency of N-indolyloxopyridinyl-4-aminopropanyl-based inhibitors targeting Trypanosoma cruzi CYP51. *Journal of Medicinal Chemistry*, **2014**, 57, 10162-75	8.3	15
38	The Leishmania amazonensis TRF (TTAGGG repeat-binding factor) homologue binds and co-localizes with telomeres. *BMC Microbiology*, **2010**, 10, 136	4.5	14

37	Location, Location, Location: Five Facts about Tissue Tropism and Pathogenesis. *PLoS Pathogens*, **2016**, 12, e1005519	7.6	14
36	Peptidomimetic Vinyl Heterocyclic Inhibitors of Cruzain Effect Antitrypanosomal Activity. *Journal of Medicinal Chemistry*, **2020**, 63, 3298-3316	8.3	11
35	Scaffold and Parasite Hopping: Discovery of New Protozoal Proliferation Inhibitors. *ACS Medicinal Chemistry Letters*, **2020**, 11, 249-257	4.3	10
34	Automated nuclear analysis of Leishmania major telomeric clusters reveals changes in their organization during the parasite\'s life cycle. *PLoS ONE*, **2008**, 3, e2313	3.7	10
33	RPA-1 from Leishmania amazonensis (LaRPA-1) structurally differs from other eukaryote RPA-1 and interacts with telomeric DNA via its N-terminal OB-fold domain. *FEBS Letters*, **2014**, 588, 4740-8	3.8	9
32	The Meningioma Enhancer Landscape Delineates Novel Subgroups and Drives Druggable Dependencies. *Cancer Discovery*, **2020**, 10, 1722-1741	24.4	9
31	Palstimolide A: A Complex Polyhydroxy Macrolide with Antiparasitic Activity. *Molecules*, **2020**, 25,	4.8	9
30	Activity of Selected Nucleoside Analogue ProTides against Zika Virus in Human Neural Stem Cells. *Viruses*, **2019**, 11,	6.2	8
29	Identification of Anti-Trypanosoma cruzi Lead Compounds with Putative Immunomodulatory Activity. *Antimicrobial Agents and Chemotherapy*, **2018**, 62,	5.9	8
28	LaTBP1: a Leishmania amazonensis DNA-binding protein that associates in vivo with telomeres and GT-rich DNA using a Myb-like domain. *Archives of Biochemistry and Biophysics*, **2007**, 465, 399-409	4.1	7
27	Molecular dissection of Chagas induced cardiomyopathy reveals central disease associated and druggable signaling pathways. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0007980	4.8	6
26	LaRbp38: a Leishmania amazonensis protein that binds nuclear and kinetoplast DNAs. *Biochemical and Biophysical Research Communications*, **2007**, 358, 854-60	3.4	6
25	High-Throughput Screening of the ReFRAME Library Identifies Potential Drug Repurposing Candidates for. *Microorganisms*, **2020**, 8,	4.9	6
24	Structure-Based Optimization of Quinazolines as Cruzain and CATL Inhibitors. *Journal of Medicinal Chemistry*, **2021**, 64, 13054-13071	8.3	6
23	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in Trypanosoma cruzi. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008728	4.8	5
22	Machine Learning Models Identify Inhibitors of SARS-CoV-2. *Journal of Chemical Information and Modeling*, **2021**, 61, 4224-4235	6.1	5
21	Transcription Elongation Machinery Is a Druggable Dependency and Potentiates Immunotherapy in Glioblastoma Stem Cells. *Cancer Discovery*, **2021**,	24.4	4
20	Spatial metabolomics identifies localized chemical changes in heart tissue during chronic cardiac Chagas disease		4

19	Synthesis and biological evaluation of 2-acetamidothiophene-3-carboxamide derivatives against Leishmania donovani. *MedChemComm*, **2014**, 5, 142-146	5	3
18	Spatial metabolomics identifies localized chemical changes in heart tissue during chronic cardiac Chagas Disease. *PLoS Neglected Tropical Diseases*, **2021**, 15, e0009819	4.8	3
17	Self-Masked Aldehyde Inhibitors: A Novel Strategy for Inhibiting Cysteine Proteases. *Journal of Medicinal Chemistry*, **2021**, 64, 11267-11287	8.3	3
16	Shedding Light on Synergistic Chemical Genetic Connections with Machine Learning. *Cell Systems*, **2015**, 1, 377-9	10.6	2
15	Synthesis and Evaluation of DNA Based Quantum Dot Fluorescence In Situ Hybridization (FISH) Probe for Telomere Detection. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 1708-13	1.3	2
14	Human iPSC-Derived 2D and 3D Platforms for Rapidly Assessing Developmental, Functional, and Terminal Toxicities in Neural Cells. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
13	Leveraging Allele-Specific Expression for Therapeutic Response Gene Discovery in Glioblastoma.. *Cancer Research*, **2021**,	10.1	2
12	Identification of Leucinostatins from sp. as Antiparasitic Agents against .. *ACS Omega*, **2022**, 7, 7675-7683	3.9	1
11	High-throughput screening of the ReFRAME library identifies potential drug repurposing candidates for Trypanosoma cruzi		1
10	Long term follow-up of Trypanosoma cruzi infection and Chagas disease manifestations in mice treated with benznidazole or posaconazole. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008726	4.8	1
9	Dysregulation of Glycerophosphocholines in the Cutaneous Lesion Caused by in Experimental Murine Models. *Pathogens*, **2021**, 10,	4.5	1
8	Nucleoside analogue inhibitors for Zika virus infection **2021**, 385-396		
7	anti- activity enhancement of curcumin by its monoketone tetramethoxy analog diveratralacetone.. *Current Research in Parasitology and Vector-borne Diseases*, **2021**, 1, 100031		
6	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in Trypanosoma cruzi **2020**, 14, e0008728		
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