

Jair Lage Siqueira-Neto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Identification of Leucinostatins from sp. as Antiparasitic Agents against .. <i>ACS Omega</i> , 2022 , 7, 7675-7683	3.9	1
71	Transcription Elongation Machinery Is a Druggable Dependency and Potentiates Immunotherapy in Glioblastoma Stem Cells. <i>Cancer Discovery</i> , 2021 ,	24.4	4
70	Spatial metabolomics identifies localized chemical changes in heart tissue during chronic cardiac Chagas Disease. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009819	4.8	3
69	Dysregulation of Glycerophosphocholines in the Cutaneous Lesion Caused by in Experimental Murine Models. <i>Pathogens</i> , 2021 , 10,	4.5	1
68	Nucleoside analogue inhibitors for Zika virus infection 2021 , 385-396		
67	Human iPSC-Derived 2D and 3D Platforms for Rapidly Assessing Developmental, Functional, and Terminal Toxicities in Neural Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
66	Self-Masked Aldehyde Inhibitors: A Novel Strategy for Inhibiting Cysteine Proteases. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 11267-11287	8.3	3
65	Structure-Based Optimization of Quinazolines as Cruzain and CATL Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 13054-13071	8.3	6
64	Machine Learning Models Identify Inhibitors of SARS-CoV-2. <i>Journal of Chemical Information and Modeling</i> , 2021 , 61, 4224-4235	6.1	5
63	anti- activity enhancement of curcumin by its monoketone tetramethoxy analog diveratralacetone.. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2021 , 1, 100031		
62	Leveraging Allele-Specific Expression for Therapeutic Response Gene Discovery in Glioblastoma.. <i>Cancer Research</i> , 2021 ,	10.1	2
61	Molecular dissection of Chagas induced cardiomyopathy reveals central disease associated and druggable signaling pathways. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0007980	4.8	6
60	Peptidomimetic Vinyl Heterocyclic Inhibitors of Cruzain Effect Antitrypanosomal Activity. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 3298-3316	8.3	11
59	Scaffold and Parasite Hopping: Discovery of New Protozoal Proliferation Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 249-257	4.3	10
58	Zika Virus Targets Glioblastoma Stem Cells through a SOX2-Integrin α Axis. <i>Cell Stem Cell</i> , 2020 , 26, 187-204.e10	18	65
57	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in <i>Trypanosoma cruzi</i> . <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008728	4.8	5
56	The Meningioma Enhancer Landscape Delineates Novel Subgroups and Drives Druggable Dependencies. <i>Cancer Discovery</i> , 2020 , 10, 1722-1741	24.4	9

55	Long term follow-up of <i>Trypanosoma cruzi</i> infection and Chagas disease manifestations in mice treated with benznidazole or posaconazole. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0008726	4.8	1
54	Drugs for the Treatment of Zika Virus Infection. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 470-489	8.3	33
53	High-Throughput Screening of the ReFRAME Library Identifies Potential Drug Repurposing Candidates for. <i>Microorganisms</i> , 2020 , 8,	4.9	6
52	Palstimolide A: A Complex Polyhydroxy Macrolide with Antiparasitic Activity. <i>Molecules</i> , 2020 , 25,	4.8	9
51	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in <i>Trypanosoma cruzi</i> 2020 , 14, e0008728		
50	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in <i>Trypanosoma cruzi</i> 2020 , 14, e0008728		
49	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in <i>Trypanosoma cruzi</i> 2020 , 14, e0008728		
48	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in <i>Trypanosoma cruzi</i> 2020 , 14, e0008728		
47	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in <i>Trypanosoma cruzi</i> 2020 , 14, e0008728		
46	Genome-scale metabolic models highlight stage-specific differences in essential metabolic pathways in <i>Trypanosoma cruzi</i> 2020 , 14, e0008728		
45	Design of Gallinamide A Analogs as Potent Inhibitors of the Cysteine Proteases Human Cathepsin L and Cruzain. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 9026-9044	8.3	21
44	Mechanism of Action of Methotrexate Against Zika Virus. <i>Viruses</i> , 2019 , 11,	6.2	21
43	Activity of Selected Nucleoside Analogue ProTides against Zika Virus in Human Neural Stem Cells. <i>Viruses</i> , 2019 , 11,	6.2	8
42	Chromatin landscapes reveal developmentally encoded transcriptional states that define human glioblastoma. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1071-1090	16.6	44
41	Identification of Anti- <i>Trypanosoma cruzi</i> Lead Compounds with Putative Immunomodulatory Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	8
40	Blocking Zika virus vertical transmission. <i>Scientific Reports</i> , 2018 , 8, 1218	4.9	41
39	Development and Validation of a Phenotypic High-Content Imaging Assay for Assessing the Antiviral Activity of Small-Molecule Inhibitors Targeting Zika Virus. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	15
38	Cysteine proteases in protozoan parasites. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006512	4.8	59

37	Experimental Chagas disease-induced perturbations of the fecal microbiome and metabolome. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006344	4.8	21
36	Rapid Chagas Disease Drug Target Discovery Using Directed Evolution in Drug-Sensitive Yeast. <i>ACS Chemical Biology</i> , 2017 , 12, 422-434	4.9	15
35	4-aminopyridyl-based lead compounds targeting CYP51 prevent spontaneous parasite relapse in a chronic model and improve cardiac pathology in an acute model of <i>Trypanosoma cruzi</i> infection. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0006132	4.8	18
34	Mass Spectrometry-Based Chemical Cartography of a Cardiac Parasitic Infection. <i>Analytical Chemistry</i> , 2017 , 89, 10414-10421	7.8	20
33	Design, synthesis, molecular docking and biological evaluation of thiophen-2-iminothiazolidine derivatives for use against <i>Trypanosoma cruzi</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 4228-4240	3.4	28
32	Synthesis and Evaluation of Oxyguanidine Analogues of the Cysteine Protease Inhibitor WRR-483 against Cruzain. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 77-82	4.3	19
31	Location, Location, Location: Five Facts about Tissue Tropism and Pathogenesis. <i>PLoS Pathogens</i> , 2016 , 12, e1005519	7.6	14
30	Open drug discovery for the Zika virus. <i>F1000Research</i> , 2016 , 5, 150	3.6	41
29	Synthesis of a sugar-based thiosemicarbazone series and structure-activity relationship versus the parasite cysteine proteases rhodesain, cruzain, and <i>Schistosoma mansoni</i> cathepsin B1. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 2666-77	5.9	45
28	Targeting Ergosterol biosynthesis in <i>Leishmania donovani</i> : essentiality of sterol 14 alpha-demethylase. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003588	4.8	60
27	Drug discovery for human African trypanosomiasis: identification of novel scaffolds by the newly developed HTS SYBR Green assay for <i>Trypanosoma brucei</i> . <i>Journal of Biomolecular Screening</i> , 2015 , 20, 70-81		22
26	Genome-Directed Lead Discovery: Biosynthesis, Structure Elucidation, and Biological Evaluation of Two Families of Polyene Macrolactams against <i>Trypanosoma brucei</i> . <i>ACS Chemical Biology</i> , 2015 , 10, 2373-81	4.9	50
25	Lead identification to clinical candidate selection: drugs for Chagas disease. <i>Journal of Biomolecular Screening</i> , 2015 , 20, 101-11		22
24	Shedding Light on Synergistic Chemical Genetic Connections with Machine Learning. <i>Cell Systems</i> , 2015 , 1, 377-9	10.6	2
23	Machine Learning Models and Pathway Genome Data Base for <i>Trypanosoma cruzi</i> Drug Discovery. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003878	4.8	61
22	Synthesis and Evaluation of DNA Based Quantum Dot Fluorescence In Situ Hybridization (FISH) Probe for Telomere Detection. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 1708-13	1.3	2
21	Proteomic-based approach to gain insight into reprogramming of THP-1 cells exposed to <i>Leishmania donovani</i> over an early temporal window. <i>Infection and Immunity</i> , 2015 , 83, 1853-68	3.7	31
20	Current and Future Chemotherapy for Chagas Disease. <i>Current Medicinal Chemistry</i> , 2015 , 22, 4293-312	4.3	37

19	Synthesis and biological evaluation of 2-acetamidothiophene-3-carboxamide derivatives against <i>Leishmania donovani</i> . <i>MedChemComm</i> , 2014 , 5, 142-146	5	3
18	4-Aminopyridyl-based CYP51 inhibitors as anti- <i>Trypanosoma cruzi</i> drug leads with improved pharmacokinetic profile and in vivo potency. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 6989-7005	8.3	36
17	Synthesis and biological evaluation of 2,3-dihydroimidazo[1,2-a]benzimidazole derivatives against <i>Leishmania donovani</i> and <i>Trypanosoma cruzi</i> . <i>European Journal of Medicinal Chemistry</i> , 2014 , 84, 395-403	6.8	36
16	Diversity-oriented synthesis yields a new drug lead for treatment of chagas disease. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 149-53	4.3	34
15	Binding mode and potency of N-indolyloxopyridinyl-4-aminopropanyl-based inhibitors targeting <i>Trypanosoma cruzi</i> CYP51. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 10162-75	8.3	15
14	RPA-1 from <i>Leishmania amazonensis</i> (LaRPA-1) structurally differs from other eukaryote RPA-1 and interacts with telomeric DNA via its N-terminal OB-fold domain. <i>FEBS Letters</i> , 2014 , 588, 4740-8	3.8	9
13	An image-based algorithm for precise and accurate high throughput assessment of drug activity against the human parasite <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2014 , 9, e87188	3.7	29
12	Visceral leishmaniasis treatment: What do we have, what do we need and how to deliver it?. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2012 , 2, 11-9	4	176
11	An image-based high-content screening assay for compounds targeting intracellular <i>Leishmania donovani</i> amastigotes in human macrophages. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1671	4.8	98
10	Antileishmanial high-throughput drug screening reveals drug candidates with new scaffolds. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e675	4.8	98
9	The <i>Leishmania amazonensis</i> TRF (TTAGGG repeat-binding factor) homologue binds and co-localizes with telomeres. <i>BMC Microbiology</i> , 2010 , 10, 136	4.5	14
8	Automated nuclear analysis of <i>Leishmania major</i> telomeric clusters reveals changes in their organization during the parasite's life cycle. <i>PLoS ONE</i> , 2008 , 3, e2313	3.7	10
7	Telomere biology of trypanosomatids: beginning to answer some questions. <i>Trends in Parasitology</i> , 2007 , 23, 357-62	6.4	21
6	LaTBP1: a <i>Leishmania amazonensis</i> DNA-binding protein that associates in vivo with telomeres and GT-rich DNA using a Myb-like domain. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 465, 399-409	4.1	7
5	<i>Leishmania</i> replication protein A-1 binds in vivo single-stranded telomeric DNA. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 417-23	3.4	26
4	LaRbp38: a <i>Leishmania amazonensis</i> protein that binds nuclear and kinetoplast DNAs. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 358, 854-60	3.4	6
3	The putative telomerase reverse transcriptase component of <i>Leishmania amazonensis</i> : gene cloning and characterization. <i>Parasitology Research</i> , 2006 , 98, 447-54	2.4	22
2	High-throughput screening of the ReFRAME library identifies potential drug repurposing candidates for <i>Trypanosoma cruzi</i>		1

1 Spatial metabolomics identifies localized chemical changes in heart tissue during chronic cardiac Chagas disease

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