

Gustavo Benaim

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73
papers

1,840
citations

26
h-index

39
g-index

74
ext. papers

2,042
ext. citations

4.1
avg. IF

4.52
L-index

#	Paper	IF	Citations
73	Amiodarone has intrinsic anti-Trypanosoma cruzi activity and acts synergistically with posaconazole. <i>Journal of Medicinal Chemistry</i> , 2006 , 49, 892-9	8.3	148
72	Phosphorylation of calmodulin. Functional implications. <i>FEBS Journal</i> , 2002 , 269, 3619-31		114
71	Venezuela@ humanitarian crisis, resurgence of vector-borne diseases, and implications for spillover in the region. <i>Lancet Infectious Diseases, The</i> , 2019 , 19, e149-e161	25.5	79
70	Na+ entry via glutamate transporter activates the reverse Na+/Ca2+ exchange and triggers Ca(i)2+-induced Ca2+ release in rat cerebellar Type-1 astrocytes. <i>Journal of Neurochemistry</i> , 2007 , 100, 1188-202	6	70
69	Amiodarone destabilizes intracellular Ca2+ homeostasis and biosynthesis of sterols in Leishmania mexicana. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 1403-10	5.9	56
68	A calmodulin-activated (Ca(2+)-Mg2+)-ATPase is involved in Ca2+ transport by plasma membrane vesicles from Trypanosoma cruzi. <i>Biochemical Journal</i> , 1991 , 280 (Pt 3), 715-20	3.8	53
67	Mechanism of Action of Miltefosine on Leishmania donovani Involves the Impairment of Acidocalcisome Function and the Activation of the Sphingosine-Dependent Plasma Membrane Ca Channel. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	52
66	Ca2+ transport in isolated mitochondrial vesicles from Leishmania braziliensis promastigotes. <i>Molecular and Biochemical Parasitology</i> , 1990 , 39, 61-8	1.9	51
65	The emerging role of amiodarone and dronedarone in Chagas disease. <i>Nature Reviews Cardiology</i> , 2012 , 9, 605-9	14.8	47
64	SQ109, a new drug lead for Chagas disease. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 1950-61	5.9	45
63	A calmodulin-stimulated Ca2+ pump in plasma-membrane vesicles from Trypanosoma brucei; selective inhibition by pentamidine. <i>Biochemical Journal</i> , 1993 , 296 (Pt 3), 759-63	3.8	45
62	Amiodarone and miltefosine act synergistically against Leishmania mexicana and can induce parasitological cure in a murine model of cutaneous leishmaniasis. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 5108-13	5.9	42
61	The role of a H(+)-ATPase in the regulation of cytoplasmic pH in Trypanosoma cruzi epimastigotes. <i>Biochemical Journal</i> , 1996 , 318 (Pt 1), 103-9	3.8	42
60	Successful treatment of Old World cutaneous leishmaniasis caused by Leishmania infantum with posaconazole. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 1774-6	5.9	39
59	Targeting calcium homeostasis as the therapy of Chagas@ disease and leishmaniasis - a review. <i>Tropical Biomedicine</i> , 2011 , 28, 471-81	0.5	37
58	In vitro anti-Trypanosoma cruzi activity of dronedarone, a novel amiodarone derivative with an improved safety profile. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 3720-5	5.9	35
57	Cutaneous carcinosarcoma: further insights into its mutational landscape through massive parallel genome sequencing. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2014 , 465, 339-50	5.1	34

56	A calcium pump in plasma membrane vesicles from <i>Leishmania braziliensis</i> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1027, 79-84	3.8	34
55	Ceramide-1-P induces Ca ²⁺ mobilization in Jurkat T-cells by elevation of Ins(1,4,5)-P ₃ and activation of a store-operated calcium channel. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 336, 54-60	3.4	33
54	Neglected Tropical Protozoan Diseases: Drug Repositioning as a Rational Option. <i>Current Topics in Medicinal Chemistry</i> , 2016 , 16, 2201-22	3	31
53	Ceramide and sphingosine have an antagonistic effect on the plasma-membrane Ca ²⁺ -ATPase from human erythrocytes. <i>Biochemical Journal</i> , 2002 , 362, 247-251	3.8	29
52	Ouabain-sensitive Na ⁺ ,K ⁽⁺⁾ -ATPase in the plasma membrane of <i>Leishmania mexicana</i> . <i>Molecular and Biochemical Parasitology</i> , 1995 , 74, 179-87	1.9	28
51	Characterization of the plasma-membrane calcium pump from <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , 1995 , 306 (Pt 1), 299-303	3.8	28
50	Activation of the purified erythrocyte plasma membrane Ca ²⁺ -ATPase by organic solvents. <i>FEBS Letters</i> , 1989 , 244, 484-6	3.8	28
49	Dronedarone, an amiodarone analog with improved anti- <i>Leishmania mexicana</i> efficacy. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 2295-303	5.9	27
48	Ca ²⁺ /Calmodulin and Apo-Calmodulin Both Bind to and Enhance the Tyrosine Kinase Activity of c-Src. <i>PLoS ONE</i> , 2015 , 10, e0128783	3.7	27
47	A proton pumping pyrophosphatase in the Golgi apparatus and plasma membrane vesicles of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2002 , 120, 205-13	1.9	26
46	Primary cutaneous carcinosarcoma: insights into its clonal origin and mutational pattern expression analysis through next-generation sequencing. <i>Human Pathology</i> , 2013 , 44, 2853-60	3.7	24
45	Ceramide increase cytoplasmic Ca ²⁺ concentration in Jurkat T cells by liberation of calcium from intracellular stores and activation of a store-operated calcium channel. <i>Archives of Biochemistry and Biophysics</i> , 2005 , 436, 333-45	4.1	24
44	Disruption of Intracellular Calcium Homeostasis as a Therapeutic Target Against. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 46	5.9	23
43	Increased calcium permeability is not responsible for the rapid lethal effects of amphotericin B on <i>Leishmania</i> sp. <i>FEBS Letters</i> , 1990 , 259, 286-8	3.8	22
42	The marine sponge toxin agelasine B increases the intracellular Ca ⁽²⁺⁾ concentration and induces apoptosis in human breast cancer cells (MCF-7). <i>Cancer Chemotherapy and Pharmacology</i> , 2012 , 69, 71-83 ^{3.5}	3.5	21
41	Diacylglycerol regulates the plasma membrane calcium pump from human erythrocytes by direct interaction. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 489, 55-61	4.1	21
40	Ethanol stimulates the plasma membrane calcium pump from human erythrocytes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994 , 1195, 141-8	3.8	21
39	ATPase activity and Ca ²⁺ transport by reconstituted tryptic fragments of the Ca ²⁺ pump of the erythrocyte plasma membrane. <i>Cell Calcium</i> , 1986 , 7, 175-86	4	21

38	Identification of a sphingosine-sensitive Ca ²⁺ channel in the plasma membrane of <i>Leishmania mexicana</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013 , 430, 1091-6	3.4	20
37	Characterization of phospho-(tyrosine)-mimetic calmodulin mutants. <i>PLoS ONE</i> , 2015 , 10, e0120798	3.7	20
36	The effect of ethanol on the plasma membrane calcium pump is isoform-specific. <i>Journal of Biological Chemistry</i> , 1998 , 273, 29811-5	5.4	20
35	Phosphatidylethanol stimulates the plasma-membrane calcium pump from human erythrocytes. <i>Biochemical Journal</i> , 1996 , 317 (Pt 3), 933-8	3.8	20
34	Inhibition of <i>Leishmania mexicana</i> Growth by the Tuberculosis Drug SQ109. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 6386-9	5.9	18
33	Characterization of mitochondrial electron-transfer in <i>Leishmania mexicana</i> . <i>Molecular and Biochemical Parasitology</i> , 1997 , 90, 43-54	1.9	18
32	Regulatory interaction between calmodulin and the epidermal growth factor receptor. <i>Annals of the New York Academy of Sciences</i> , 1995 , 766, 472-6	6.5	18
31	Disruption of Ca ²⁺ homeostasis in <i>Trypanosoma cruzi</i> by crystal violet. <i>Journal of Eukaryotic Microbiology</i> , 1993 , 40, 311-6	3.6	17
30	Similarities between the effects of dimethyl sulfoxide and calmodulin on the red blood cell Ca ²⁺ (+)-ATPase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990 , 1026, 87-92	3.8	15
29	Ceramide and sphingosine have an antagonistic effect on the plasma-membrane Ca ²⁺ -ATPase from human erythrocytes. <i>Biochemical Journal</i> , 2002 , 362, 247-51	3.8	15
28	Investigation of a combination of amiodarone and itraconazole for treatment of American trypanosomiasis (Chagas disease) in dogs. <i>Journal of the American Veterinary Medical Association</i> , 2019 , 255, 317-329	1	13
27	The activating role of phospho-(Tyr)-calmodulin on the epidermal growth factor receptor. <i>Biochemical Journal</i> , 2015 , 472, 195-204	3.8	13
26	Comparative phosphorylation of calmodulin from trypanosomatids and bovine brain by calmodulin-binding protein kinases. <i>Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology</i> , 1998 , 120, 57-65		13
25	Evaluation of the presence of a thapsigargin-sensitive calcium store in trypanosomatids using <i>Trypanosoma evansi</i> as a model. <i>Journal of Parasitology</i> , 2004 , 90, 1181-3	0.9	13
24	Identification and electrophysiological properties of a sphingosine-dependent plasma membrane Ca channel in <i>Trypanosoma cruzi</i> . <i>FEBS Journal</i> , 2019 , 286, 3909-3925	5.7	12
23	Anti- <i>Trypanosoma cruzi</i> action of a new benzofuran derivative based on amiodarone structure. <i>Experimental Parasitology</i> , 2018 , 189, 8-15	2.1	12
22	Sodium-calcium exchanger modulates the L-glutamate Ca(i) (2+) signalling in type-1 cerebellar astrocytes. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 961, 267-74	3.6	12
21	Characterisation of tyrosine-phosphorylation-defective calmodulin mutants. <i>Protein Expression and Purification</i> , 2005 , 41, 384-92	2	12

20	The plasma membrane Ca ²⁺ -ATPase protein from red blood cells is not modified in preeclampsia. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2006 , 1762, 381-5	6.9	12
19	SQ109 inhibits proliferation of <i>Leishmania donovani</i> by disruption of intracellular Ca homeostasis, collapsing the mitochondrial electrochemical potential ($\Delta\psi$) and affecting acidocalcisomes. <i>Parasitology Research</i> , 2020 , 119, 649-657	2.4	12
18	The activity of the Na ⁺ /Ca ²⁺ exchanger largely modulates the Ca ²⁺ _i signal induced by hypo-osmotic stress in rat cerebellar astrocytes. The effect of osmolarity on exchange activity. <i>Journal of Physiological Sciences</i> , 2008 , 58, 277-9	2.3	10
17	Fluorimetric quantification of cell death in monolayer cultures and cell suspensions. <i>Journal of Proteomics</i> , 1991 , 23, 237-48		7
16	Cutaneous carcinosarcoma and the EMT: to transition, or not to transition? That is the question. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2015 , 466, 359-60	5.1	6
15	In vitro 4-Aryloxy-7-chloroquinoline derivatives are effective in mono- and combined therapy against <i>Leishmania donovani</i> and induce mitochondrial membrane potential disruption. <i>Acta Tropica</i> , 2018 , 183, 36-42	3.2	6
14	<i>Trypanosoma cruzi</i> calmodulin: cloning, expression and characterization. <i>Experimental Parasitology</i> , 2009 , 123, 326-33	2.1	6
13	Ergosterone-coupled Triazol molecules trigger mitochondrial dysfunction, oxidative stress, and acidocalcisomal Ca release in promastigotes. <i>Microbial Cell</i> , 2015 , 3, 14-28	3.9	6
12	Antiproliferative effect of a benzofuran derivat based on the structure of amiodarone on <i>Leishmania donovani</i> affecting mitochondria, acidocalcisomes and intracellular Ca homeostasis. <i>Parasitology International</i> , 2019 , 70, 112-117	2.1	5
11	The Rationale for Use of Amiodarone and its Derivatives for the Treatment of Chagas Disease and Leishmaniasis. <i>Current Pharmaceutical Design</i> , 2021 , 27, 1825-1833	3.3	5
10	Sphingosine inhibits the sarco(endo)plasmic reticulum Ca ²⁺ -ATPase (SERCA) activity. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 473, 572-7	3.4	5
9	Evidence of the presence of a calmodulin-sensitive plasma membrane Ca-ATPase in <i>Trypanosoma equiperdum</i> . <i>Molecular and Biochemical Parasitology</i> , 2017 , 213, 1-11	1.9	4
8	The calcium pump of plasma membranes. <i>Novartis Foundation Symposium</i> , 1986 , 122, 58-72		4
7	Identification and characterization of a calmodulin binding domain in the plasma membrane Ca-ATPase from <i>Trypanosoma equiperdum</i> . <i>Molecular and Biochemical Parasitology</i> , 2018 , 222, 51-60	1.9	3
6	Anti-VSG antibodies induce an increase in <i>Trypanosoma evansi</i> intracellular Ca ²⁺ concentration. <i>Parasitology</i> , 2008 , 135, 1303-15	2.7	3
5	Poorly differentiated osteoclast-like giant cell variant of cutaneous squamous cell carcinoma: Uncovering its mutational landscape through massive parallel sequencing. <i>Pathology Research and Practice</i> , 2018 , 214, 1898-1903	3.4	2
4	Phosphorylation-induced conformational changes of photoactivated rhodopsin probed by fluorescent labeling at Cys and Cys. <i>Biochimie</i> , 2018 , 150, 57-69	4.6	1
3	A store-operated Ca-entry in <i>Trypanosoma equiperdum</i> : Physiological evidences of its presence. <i>Molecular and Biochemical Parasitology</i> , 2021 , 244, 111394	1.9	1

- 2 Effects of amiodarone, amioder, and dronedarone on *Trichomonas vaginalis*.. *Parasitology Research*, **2022**, 121, 1761 2.4 0
- 1 Determination of Intracellular Ca Concentration in the Human Pathogens Trypanosomatids and by the Use of the Fluorescent Ca Indicator Fura-2. *Bio-protocol*, **2020**, 10, e3766 0.9