

Roberto Docampo

List of Publications by Year in descending order

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228
papers

12,417
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17440
63
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36028
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347
all docs

347
docs citations

347
times ranked

7715
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial Ca ²⁺ and Reactive Oxygen Species in Trypanosomatids. Antioxidants and Redox Signaling, 2022, 36, 969-983.	5.4	7
2	CRISPR/Cas9-induced disruption of <i>Bodo saltans</i> paraflagellar rod gene reveals its importance for cell survival. Environmental Microbiology, 2022, 24, 3051-3062.	3.8	2
3	New insights into the role of acidocalcisomes in trypanosomatids. Journal of Eukaryotic Microbiology, 2022, 69, e12899.	1.7	8
4	Essential Bromodomain <i>Tc</i> BDF2 as a Drug Target against Chagas Disease. ACS Infectious Diseases, 2022, 8, 1062-1074.	3.8	15
5	Signaling pathways involved in environmental sensing in <i>Trypanosoma cruzi</i> . Molecular Microbiology, 2021, 115, 819-828.	2.5	27
6	Affinity-based proteomics reveals novel targets of inositol pyrophosphate (5-IP ₇)-dependent phosphorylation and binding in <i>Trypanosoma cruzi</i> replicative stages. Molecular Microbiology, 2021, 115, 986-1004.	2.5	5
7	The Inositol Pyrophosphate Biosynthetic Pathway of <i>Trypanosoma cruzi</i> . ACS Chemical Biology, 2021, 16, 283-292.	3.4	6
8	Editorial: Pyrophosphates and Polyphosphates in Plants and Microorganisms. Frontiers in Plant Science, 2021, 12, 653416.	3.6	4
9	Deletion of a Golgi protein in <i>Trypanosoma cruzi</i> reveals a critical role for Mn ²⁺ in protein glycosylation needed for host cell invasion and intracellular replication. PLoS Pathogens, 2021, 17, e1009399.	4.7	5
10	The IP ₃ receptor and Ca ²⁺ signaling in trypanosomes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118947.	4.1	13
11	Ca ²⁺ entry at the plasma membrane and uptake by acidic stores is regulated by the activity of the V-ATPase in <i>Toxoplasma gondii</i> . Molecular Microbiology, 2021, 115, 1054-1068.	2.5	8
12	Mitochondrial Pyruvate Carrier Subunits Are Essential for Pyruvate-Driven Respiration, Infectivity, and Intracellular Replication of <i>Trypanosoma cruzi</i> . MBio, 2021, 12, .	4.1	7
13	TbVps41 regulates trafficking of endocytic but not biosynthetic cargo to lysosomes of bloodstream forms of <i>Trypanosoma brucei</i> . FASEB Journal, 2021, 35, e21641.	0.5	0
14	<i>Trypanosoma cruzi</i> Letm1 is involved in mitochondrial Ca ²⁺ transport, and is essential for replication, differentiation, and host cell invasion. FASEB Journal, 2021, 35, e21685.	0.5	6
15	Drug Target Validation of the Protein Kinase AEK1, Essential for Proliferation, Host Cell Invasion, and Intracellular Replication of the Human Pathogen <i>Trypanosoma cruzi</i> . Microbiology Spectrum, 2021, 9, e0073821.	3.0	8
16	Calcium signaling in intracellular protist parasites. Current Opinion in Microbiology, 2021, 64, 33-40.	5.1	3
17	Mitochondrial Ca ²⁺ homeostasis in trypanosomes. International Review of Cell and Molecular Biology, 2021, 362, 261-289.	3.2	7
18	The Histidine Ammonia Lyase of <i>Trypanosoma cruzi</i> Is Involved in Acidocalcisome Alkalinization and Is Essential for Survival under Starvation Conditions. MBio, 2021, , e0198121.	4.1	3

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19	Lathosterol Oxidase (Sterol C-5 Desaturase) Deletion Confers Resistance to Amphotericin B and Sensitivity to Acidic Stress in <i>Leishmania major</i> . <i>MSphere</i> , 2020, 5, .	2.9	7
20	Different Sensitivity of Control and MICU1- and MICU2-Ablated <i>Trypanosoma cruzi</i> Mitochondrial Calcium Uniporter Complex to Ruthenium-Based Inhibitors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9316.	4.1	0
21	A CRISPR/Cas9-riboswitch-Based Method for Downregulation of Gene Expression in <i>Trypanosoma cruzi</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 68.	3.9	12
22	Catching protein polyphosphorylation in the act. <i>Journal of Biological Chemistry</i> , 2020, 295, 1452-1453.	3.4	2
23	The Mitochondrial Calcium Uniporter Interacts with Subunit c of the ATP Synthase of Trypanosomes and Humans. <i>MBio</i> , 2020, 11, .	4.1	19
24	Multi-target heteroleptic palladium bisphosphonate complexes. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 509-519.	2.6	6
25	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. <i>Nature Methods</i> , 2020, 17, 481-494.	19.0	97
26	CRISPR/Cas9 Technology Applied to the Study of Proteins Involved in Calcium Signaling in <i>Trypanosoma cruzi</i> . <i>Methods in Molecular Biology</i> , 2020, 2116, 177-197.	0.9	5
27	Isolation and Characterization of Acidocalcisomes from Trypanosomatids. <i>Methods in Molecular Biology</i> , 2020, 2116, 673-688.	0.9	3
28	IP3 receptor-mediated Ca ²⁺ release from acidocalcisomes regulates mitochondrial bioenergetics and prevents autophagy in <i>Trypanosoma cruzi</i> . <i>Cell Calcium</i> , 2020, 92, 102284.	2.4	32
29	Synthesis and biological evaluation of 1-alkylaminomethyl-1,1-bisphosphonic acids against <i>Trypanosoma cruzi</i> and <i>Toxoplasma gondii</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3663-3673.	3.0	10
30	The acidocalcisome inositol-1,4,5-trisphosphate receptor of <i>Trypanosoma brucei</i> is stimulated by luminal polyphosphate hydrolysis products. <i>Journal of Biological Chemistry</i> , 2019, 294, 10628-10637.	3.4	15
31	Functional analysis and importance for host cell infection of the Ca ²⁺ -conducting subunits of the mitochondrial calcium uniporter of <i>Trypanosoma cruzi</i> . <i>Molecular Biology of the Cell</i> , 2019, 30, 1676-1690.	2.1	29
32	MICU1 and MICU2 Play an Essential Role in Mitochondrial Ca ²⁺ Uptake, Growth, and Infectivity of the Human Pathogen <i>Trypanosoma cruzi</i> . <i>MBio</i> , 2019, 10, .	4.1	37
33	NUDIX hydrolases with inorganic polyphosphate exo- and endopolyphosphatase activities in the glycosome, cytosol and nucleus of <i>Trypanosoma brucei</i> . <i>Bioscience Reports</i> , 2019, 39, .	2.4	13
34	Pyrophosphate Stimulates the Phosphate-Sodium Symporter of <i>Trypanosoma brucei</i> Acidocalcisomes and <i>Saccharomyces cerevisiae</i> Vacuoles. <i>MSphere</i> , 2019, 4, .	2.9	6
35	Genome Editing by CRISPR/Cas9 in <i>Trypanosoma cruzi</i> . <i>Methods in Molecular Biology</i> , 2019, 1955, 61-76.	0.9	15
36	Further insights of selenium-containing analogues of WC-9 against <i>Trypanosoma cruzi</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1350-1361.	3.0	15

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37	Ibandronate metal complexes: solution behavior and antiparasitic activity. Journal of Biological Inorganic Chemistry, 2018, 23, 303-312.	2.6	12
38	An Intracellular Ammonium Transporter Is Necessary for Replication, Differentiation, and Resistance to Starvation and Osmotic Stress in <i>Trypanosoma cruzi</i> . MSphere, 2018, 3, .	2.9	25
39	A Riboswitchâ€based Inducible Gene Expression System for <i>Trypanosoma brucei</i> . Journal of Eukaryotic Microbiology, 2018, 65, 412-421.	1.7	11
40	The mitochondrial calcium uniporter complex in trypanosomes. Cell Biology International, 2018, 42, 656-663.	3.0	9
41	Detection of Weakly Expressed <i>Trypanosoma cruzi</i> Membrane Proteins Using Highâ€Performance Probes. Journal of Eukaryotic Microbiology, 2018, 65, 722-728.	1.7	10
42	Calcium-sensitive pyruvate dehydrogenase phosphatase is required for energy metabolism, growth, differentiation, and infectivity of <i>Trypanosoma cruzi</i> . Journal of Biological Chemistry, 2018, 293, 17402-17417.	3.4	42
43	5-Diphosphoinositol pentakisphosphate (5-IP7) regulates phosphate release from acidocalcisomes and yeast vacuoles. Journal of Biological Chemistry, 2018, 293, 19101-19112.	3.4	32
44	Inorganic polyphosphate interacts with nucleolar and glycosomal proteins in trypanosomatids. Molecular Microbiology, 2018, 110, 973-994.	2.5	35
45	The Mitochondrial Ca ²⁺ Uniporter Complex (MCUC) of <i>Trypanosoma brucei</i> Is a Hetero-oligomer That Contains Novel Subunits Essential for Ca ²⁺ Uptake. MBio, 2018, 9, .	4.1	29
46	Membrane Proteins in Trypanosomatids Involved in Ca ²⁺ Homeostasis and Signaling. Genes, 2018, 9, 304.	2.4	27
47	Acidocalcisome-Mitochondrion Membrane Contact Sites in <i>Trypanosoma brucei</i> . Pathogens, 2018, 7, 33.	2.8	25
48	Different Roles of Mitochondrial Calcium Uniporter Complex Subunits in Growth and Infectivity of <i>Trypanosoma cruzi</i> . MBio, 2017, 8, .	4.1	78
49	Selenium-containing analogues of WC-9 are extremely potent inhibitors of <i>Trypanosoma cruzi</i> proliferation. Bioorganic and Medicinal Chemistry, 2017, 25, 6435-6449.	3.0	29
50	Dynamic nuclear polarization facilitates monitoring of pyruvate metabolism in <i>Trypanosoma brucei</i> . Journal of Biological Chemistry, 2017, 292, 18161-18168.	3.4	6
51	The inositol pyrophosphate synthesis pathway in <i>Trypanosoma brucei</i> is linked to polyphosphate synthesis in acidocalcisomes. Molecular Microbiology, 2017, 106, 319-333.	2.5	27
52	Antiparasitic Activity of Sulfur- and Fluorine-Containing Bisphosphonates against Trypanosomatids and Apicomplexan Parasites. Molecules, 2017, 22, 82.	3.8	12
53	Endogenous C-terminal Tagging by CRISPR/Cas9 in <i>Trypanosoma cruzi</i> . Bio-protocol, 2017, 7, .	0.4	37
54	Genome Editing by CRISPR/Cas9: A Game Change in the Genetic Manipulation of Protists. Journal of Eukaryotic Microbiology, 2016, 63, 679-690.	1.7	55

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55	Acidocalcisomes of eukaryotes. <i>Current Opinion in Cell Biology</i> , 2016, 41, 66-72.	5.4	69
56	Polyphosphate and acidocalcisomes. <i>Biochemical Society Transactions</i> , 2016, 44, 1-6.	3.4	62
57	Activity of Fluorine-Containing Analogues of WC ϵ 9 and Structurally Related Analogues against Two Intracellular Parasites: <i>Trypanosoma cruzi</i> and <i>Toxoplasma gondii</i> . <i>ChemMedChem</i> , 2016, 11, 2690-2702.	3.2	8
58	Polyphosphate Storage and Function in Acidocalcisomes. , 2016, , 35-48.		0
59	CRISPR/Cas9-mediated endogenous C-terminal Tagging of <i>Trypanosoma cruzi</i> Genes Reveals the Acidocalcisome Localization of the Inositol 1,4,5-Trisphosphate Receptor. <i>Journal of Biological Chemistry</i> , 2016, 291, 25505-25515.	3.4	87
60	Structures of Trypanosome Vacuolar Soluble Pyrophosphatases: Antiparasitic Drug Targets. <i>ACS Chemical Biology</i> , 2016, 11, 1362-1371.	3.4	15
61	The origin and evolution of the acidocalcisome and its interactions with other organelles. <i>Molecular and Biochemical Parasitology</i> , 2016, 209, 3-9.	1.1	32
62	<i>Tc</i> P _{ho} 91 is a contractile vacuole phosphate sodium symporter that regulates phosphate and polyphosphate metabolism in <i>Trypanosoma cruzi</i> . <i>Molecular Microbiology</i> , 2015, 97, 911-925.	2.5	27
63	SQ109, a New Drug Lead for Chagas Disease. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1950-1961.	3.2	51
64	Proteomic analysis of acidocalcisomes of <i>Trypanosoma brucei</i> uncovers their role in phosphate metabolism, cation homeostasis, and calcium signaling. <i>Communicative and Integrative Biology</i> , 2015, 8, e1017174.	1.4	11
65	CRISPR/Cas9-Induced Disruption of Paraflagellar Rod Protein 1 and 2 Genes in <i>Trypanosoma cruzi</i> Reveals Their Role in Flagellar Attachment. <i>MBio</i> , 2015, 6, e01012.	4.1	172
66	Aryloxyethyl Thiocyanates Are Potent Growth Inhibitors of <i>Trypanosoma cruzi</i> and <i>Toxoplasma gondii</i> . <i>ChemMedChem</i> , 2015, 10, 1094-1108.	3.2	12
67	Rab32 is essential for maintaining functional acidocalcisomes, and for growth and infectivity of <i>Trypanosoma cruzi</i> . <i>Journal of Cell Science</i> , 2015, 128, 2363-2373.	2.0	27
68	Ca ²⁺ Regulation of <i>Trypanosoma brucei</i> Phosphoinositide Phospholipase C. <i>Eukaryotic Cell</i> , 2015, 14, 486-494.	3.4	11
69	A novel role of Rab11 in trafficking GPI-anchored trans-sialidase to the plasma membrane of <i>Trypanosoma cruzi</i> . <i>Small GTPases</i> , 2015, 6, 8-10.	1.6	8
70	Calcium signaling in trypanosomatid parasites. <i>Cell Calcium</i> , 2015, 57, 194-202.	2.4	63
71	Proteomic Analysis of the Acidocalcisome, an Organelle Conserved from Bacteria to Human Cells. <i>PLoS Pathogens</i> , 2014, 10, e1004555.	4.7	77
72	Rab11 Regulates Trafficking of Trans-sialidase to the Plasma Membrane through the Contractile Vacuole Complex of <i>Trypanosoma cruzi</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004224.	4.7	20

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73	The Streamlined Genome of <i>Phytomonas</i> spp. Relative to Human Pathogenic Kinetoplastids Reveals a Parasite Tailored for Plants. <i>PLoS Genetics</i> , 2014, 10, e1004007.	3.5	66
74	Squalene Synthase As a Target for Chagas Disease Therapeutics. <i>PLoS Pathogens</i> , 2014, 10, e1004114.	4.7	64
75	The Acidocalcisome Vacuolar Transporter Chaperone 4 Catalyzes the Synthesis of Polyphosphate in Insect Stages of <i>Trypanosoma brucei</i> and <i>T. cruzi</i> . <i>Journal of Eukaryotic Microbiology</i> , 2014, 61, 155-165.	1.7	34
76	Intracellular calcium channels in protozoa. <i>European Journal of Pharmacology</i> , 2014, 739, 4-18.	3.5	18
77	New insights into molecular recognition of 1,1-bisphosphonic acids by farnesyl diphosphate synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 398-405.	3.0	21
78	Mitochondrial calcium transport in trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 2014, 196, 108-116.	1.1	24
79	Polyphosphate: a target for thrombosis attenuation. <i>Blood</i> , 2014, 124, 3177-3178.	1.4	9
80	New Insights into Roles of Acidocalcisomes and Contractile Vacuole Complex in Osmoregulation in Protists. <i>International Review of Cell and Molecular Biology</i> , 2013, 305, 69-113.	3.2	57
81	Design, synthesis and biological evaluation of WC-9 analogs as antiparasitic agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 480-489.	5.5	9
82	<i>Trypanosoma brucei</i> Vacuolar Transporter Chaperone 4 (TbVtc4) Is an Acidocalcisome Polyphosphate Kinase Required for in Vivo Infection. <i>Journal of Biological Chemistry</i> , 2013, 288, 34205-34216.	3.4	71
83	Evidence for the role of vacuolar soluble pyrophosphatase and inorganic polyphosphate in <i>Trypanosoma cruzi</i> persistence. <i>Molecular Microbiology</i> , 2013, 90, 699-715.	2.5	31
84	Design, synthesis and biological evaluation of sulfur-containing 1,1-bisphosphonic acids as antiparasitic agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 60, 431-440.	5.5	46
85	Essential regulation of cell bioenergetics in <i>Trypanosoma brucei</i> by the mitochondrial calcium uniporter. <i>Nature Communications</i> , 2013, 4, 2865.	12.8	111
86	Acidocalcisomes of <i>Trypanosoma brucei</i> have an inositol 1,4,5-trisphosphate receptor that is required for growth and infectivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1887-1892.	7.1	87
87	Polyphosphate and Its Diverse Functions in Host Cells and Pathogens. <i>PLoS Pathogens</i> , 2013, 9, e1003230.	4.7	79
88	Calcium in Malaria Parasites. , 2013, , 1-6.		0
89	Molecular and Electrophysiological Characterization of a Novel Cation Channel of <i>Trypanosoma cruzi</i> . <i>PLoS Pathogens</i> , 2012, 8, e1002750.	4.7	33
90	Polyphosphate Is a Novel Pro-inflammatory Regulator of Mast Cells and Is Located in Acidocalcisomes. <i>Journal of Biological Chemistry</i> , 2012, 287, 28435-28444.	3.4	119

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91	1-(Fluoroalkylidene)-1,1-bisphosphonic acids are potent and selective inhibitors of the enzymatic activity of <i>Toxoplasma gondii</i> farnesyl pyrophosphate synthase. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1424.	2.8	21
92	A 43-Nucleotide U-rich Element in 3'â€²-Untranslated Region of Large Number of <i>Trypanosoma cruzi</i> Transcripts Is Important for mRNA Abundance in Intracellular Amastigotes. <i>Journal of Biological Chemistry</i> , 2012, 287, 19058-19069.	3.4	23
93	Bisphosphonate metal complexes as selective inhibitors of <i>Trypanosoma cruzi</i> farnesyl diphosphate synthase. <i>Dalton Transactions</i> , 2012, 41, 6468.	3.3	32
94	Design, Synthesis, Calorimetry, and Crystallographic Analysis of 2-Alkylaminoethyl-1,1-bisphosphonates as Inhibitors of <i>Trypanosoma cruzi</i> Farnesyl Diphosphate Synthase. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 6445-6454.	6.4	30
95	Trypanosomes and the solution to a 50-year mitochondrial calcium mystery. <i>Trends in Parasitology</i> , 2012, 28, 31-37.	3.3	48
96	The Role of Acidocalcisomes in the Stress Response of <i>Trypanosoma cruzi</i> . <i>Advances in Parasitology</i> , 2011, 75, 307-324.	3.2	20
97	Molecular parasitology in the 21st Century. <i>Essays in Biochemistry</i> , 2011, 51, 1-13.	4.7	21
98	Acidocalcisomes as Calcium- and Polyphosphate-Storage Compartments during Embryogenesis of the Insect <i>Rhodnius prolixus</i> Stahl. <i>PLoS ONE</i> , 2011, 6, e27276.	2.5	31
99	Defining the role of a FYVE domain in the localization and activity of a cAMP phosphodiesterase implicated in osmoregulation in <i>Trypanosoma cruzi</i> . <i>Molecular Microbiology</i> , 2011, 79, 50-62.	2.5	38
100	Volutin Granules of <i>Eimeria</i> Parasites are Acidic Compartments and Have Physiological and Structural Characteristics Similar to Acidocalcisomes. <i>Journal of Eukaryotic Microbiology</i> , 2011, 58, 416-423.	1.7	20
101	Acidocalcisomes. <i>Cell Calcium</i> , 2011, 50, 113-119.	2.4	137
102	Synthesis and biological evaluation of new 2-alkylaminoethyl-1,1-bisphosphonic acids against <i>Trypanosoma cruzi</i> and <i>Toxoplasma gondii</i> targeting farnesyl diphosphate synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 2211-2217.	3.0	41
103	Adaptor Protein-3 (AP-3) Complex Mediates the Biogenesis of Acidocalcisomes and Is Essential for Growth and Virulence of <i>Trypanosoma brucei</i> *. <i>Journal of Biological Chemistry</i> , 2011, 286, 36619-36630.	3.4	43
104	Hyperosmotic Stress Induces Aquaporin-dependent Cell Shrinkage, Polyphosphate Synthesis, Amino Acid Accumulation, and Global Gene Expression Changes in <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 43959-43971.	3.4	39
105	Identification of Contractile Vacuole Proteins in <i>Trypanosoma cruzi</i> . <i>PLoS ONE</i> , 2011, 6, e18013.	2.5	69
106	Calcium- and polyphosphate-containing acidic granules of sea urchin eggs are similar to acidocalcisomes, but are not the targets for NAADP. <i>Biochemical Journal</i> , 2010, 429, 485-495.	3.7	41
107	Calcium- and polyphosphate-containing acidocalcisomes in chicken egg yolk. <i>Biology of the Cell</i> , 2010, 102, 421-434.	2.0	22
108	Acidic calcium stores open for business: expanding the potential for intracellular Ca ²⁺ signaling. <i>Trends in Cell Biology</i> , 2010, 20, 277-286.	7.9	233

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109	Risedronate metal complexes potentially active against Chagas disease. <i>Journal of Inorganic Biochemistry</i> , 2010, 104, 1252-1258.	3.5	58
110	Developmental Expression of a <i>Trypanosoma cruzi</i> Phosphoinositide-Specific Phospholipase C in Amastigotes and Stimulation of Host Phosphoinositide Hydrolysis. <i>Infection and Immunity</i> , 2010, 78, 4206-4212.	2.2	18
111	Localization and Developmental Regulation of a Dispersed Gene Family 1 Protein in <i>Trypanosoma cruzi</i> . <i>Infection and Immunity</i> , 2010, 78, 231-240.	2.2	41
112	Acylation-dependent Export of <i>Trypanosoma cruzi</i> Phosphoinositide-specific Phospholipase C to the Outer Surface of Amastigotes. <i>Journal of Biological Chemistry</i> , 2010, 285, 30906-30917.	3.4	37
113	Chemical Validation of Phosphodiesterase C as a Chemotherapeutic Target in <i>Trypanosoma cruzi</i> , the Etiological Agent of Chagas' Disease. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 3738-3745.	3.2	35
114	Target of Rapamycin (TOR)-like 1 Kinase Is Involved in the Control of Polyphosphate Levels and Acidocalcisome Maintenance in <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 24131-24140.	3.4	43
115	Biochemistry of <i>Trypanosoma cruzi</i> . , 2010, , 365-392.		2
116	Evolution of acidocalcisomes and their role in polyphosphate storage and osmoregulation in eukaryotic microbes. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 775-784.	4.0	98
117	Calcium Homeostasis and Acidocalcisomes in <i>Trypanosoma cruzi</i> . <i>Microbiology Monographs</i> , 2010, , 299-318.	0.6	3
118	In with the TRP Channels: Intracellular Functions for TRPM1 and TRPM2. <i>Science Signaling</i> , 2009, 2, pe69.	3.6	26
119	The Role of Acidocalcisomes in Parasitic Protists ¹ . <i>Journal of Eukaryotic Microbiology</i> , 2009, 56, 208-213.	1.7	72
120	Proton-pyrophosphatase and polyphosphate in acidocalcisome-like vesicles from oocytes and eggs of <i>Periplaneta americana</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2009, 39, 198-206.	2.7	28
121	Proteomics in <i>Trypanosoma cruzi</i> – localization of novel proteins to various organelles. <i>Proteomics</i> , 2008, 8, 2735-2749.	2.2	60
122	Synthesis and biological evaluation of 2-alkylaminoethyl-1,1-bisphosphonic acids against <i>Trypanosoma cruzi</i> and <i>Toxoplasma gondii</i> targeting farnesyl diphosphate synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3283-3290.	3.0	47
123	A contractile vacuole complex is involved in osmoregulation in <i>Trypanosoma cruzi</i> . <i>Experimental Parasitology</i> , 2008, 118, 17-24.	1.2	68
124	Special section on novel organelles in parasitic protozoa. <i>Experimental Parasitology</i> , 2008, 118, 1.	1.2	1
125	Phospholipid and glycolipid composition of acidocalcisomes of <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2008, 158, 120-130.	1.1	12
126	A <i>Trypanosoma cruzi</i> Phosphatidylinositol 3-Kinase (TcVps34) Is Involved in Osmoregulation and Receptor-mediated Endocytosis. <i>Journal of Biological Chemistry</i> , 2008, 283, 31541-31550.	3.4	32

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127	The Acidocalcisome as a Target for Chemotherapeutic Agents in Protozoan Parasites. <i>Current Pharmaceutical Design</i> , 2008, 14, 882-888.	1.9	60
128	Overexpression of a Zn ²⁺ -sensitive Soluble Exopolyphosphatase from <i>Trypanosoma cruzi</i> Depletes Polyphosphate and Affects Osmoregulation. <i>Journal of Biological Chemistry</i> , 2007, 282, 32501-32510.	3.4	33
129	Ablation of a small transmembrane protein of <i>Trypanosoma brucei</i> (TbVTC1) involved in the synthesis of polyphosphate alters acidocalcisome biogenesis and function, and leads to a cytokinesis defect. <i>Biochemical Journal</i> , 2007, 407, 161-170.	3.7	59
130	Fluorine-containing aryloxyethyl thiocyanate derivatives are potent inhibitors of <i>Trypanosoma cruzi</i> and <i>Toxoplasma gondii</i> proliferation. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5068-5071.	2.2	31
131	Acidocalcisomes and Polyphosphate Granules. , 2006, , 53-70.		24
132	Ammonium production during hypo-osmotic stress leads to alkalinization of acidocalcisomes and cytosolic acidification in <i>Trypanosoma cruzi</i> . <i>Molecular and Biochemical Parasitology</i> , 2006, 150, 249-255.	1.1	21
133	Molecular Characterization of <i>Trypanosoma brucei</i> P-type H ⁺ -ATPases. <i>Journal of Biological Chemistry</i> , 2006, 281, 21963-21973.	3.4	12
134	Polyphosphate modulates blood coagulation and fibrinolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 903-908.	7.1	487
135	A Solanesyl-diphosphate Synthase Localizes in Glycosomes of <i>Trypanosoma cruzi</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 39339-39348.	3.4	35
136	Role for a P-type H ⁺ -ATPase in the acidification of the endocytic pathway of <i>Trypanosoma cruzi</i> . <i>Biochemical Journal</i> , 2005, 392, 467-474.	3.7	42
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