Roberto Docampo

List of Publications by Year
in descending order

228 papers	12,417 citations	20036 63 h-index	40945 97 g-index
347 all docs	347 docs citations	347 times ranked	8418 citing authors

#	Article	IF	Citations
1	Mitochondrial Ca²⁺ and Reactive Oxygen Species in Trypanosomatids. Antioxidants and Redox Signaling, 2022, 36, 969-983.	2.5	7
2	<scp>CRISPR</scp>/Cas9â€induced disruption of Bodo saltans paraflagellar rodâ€2 gene reveals its importance for cell survival. Environmental Microbiology, 2022, 24, 3051-3062.	1.8	2
3	New insights into the role of acidocalcisomes in trypanosomatids. Journal of Eukaryotic Microbiology, 2022, 69, e12899.	0.8	8
4	Essential Bromodomain TcBDF2 as a Drug Target against Chagas Disease. ACS Infectious Diseases, 2022, 8, 1062-1074.	1.8	15
5	Signaling pathways involved in environmental sensing in Trypanosoma cruzi. Molecular Microbiology, 2021, 115, 819-828.	1.2	27
6	Affinityâ€based proteomics reveals novel targets of inositol pyrophosphate (5â€IP 7)â€dependent phosphorylation and binding in Trypanosoma cruzi replicative stages. Molecular Microbiology, 2021, 115, 986-1004.	1.2	5
7	The Inositol Pyrophosphate Biosynthetic Pathway of Trypanosoma cruzi. ACS Chemical Biology, 2021, 16, 283-292.	1.6	6
8	Editorial: Pyrophosphates and Polyphosphates in Plants and Microorganisms. Frontiers in Plant Science, 2021, 12, 653416.	1.7	4
9	Deletion of a Golgi protein in Trypanosoma cruzi reveals a critical role for Mn2+ in protein glycosylation needed for host cell invasion and intracellular replication. PLoS Pathogens, 2021, 17, e1009399.	2.1	5
10	The IP3 receptor and Ca2+ signaling in trypanosomes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 118947.	1.9	13
11	Ca²⁺ entry at the plasma membrane and uptake by acidic stores is regulated by the activity of the Vâ€H⁺â€ATPase in Toxoplasma gondii. Molecular Microbiology, 2021, 115, 1054-1068.	1.2	8
12	Mitochondrial Pyruvate Carrier Subunits Are Essential for Pyruvate-Driven Respiration, Infectivity, and Intracellular Replication of Trypanosoma cruzi. MBio, 2021, 12, .	1.8	7
13	TbVps41 regulates trafficking of endocytic but not biosynthetic cargo to lysosomes of bloodstream forms of Trypanosoma brucei. FASEB Journal, 2021, 35, e21641.	0.2	0
14	Trypanosoma cruzi Letm1 is involved in mitochondrial Ca ²⁺ transport, and is essential for replication, differentiation, and host cell invasion. FASEB Journal, 2021, 35, e21685.	0.2	6
15	Drug Target Validation of the Protein Kinase AEK1, Essential for Proliferation, Host Cell Invasion, and Intracellular Replication of the Human Pathogen Trypanosoma cruzi. Microbiology Spectrum, 2021, 9, e0073821.	1.2	8
16	Calcium signaling in intracellular protist parasites. Current Opinion in Microbiology, 2021, 64, 33-40.	2.3	3
17	Mitochondrial Ca2+ homeostasis in trypanosomes. International Review of Cell and Molecular Biology, 2021, 362, 261-289.	1.6	7
18	The Histidine Ammonia Lyase of Trypanosoma cruzi Is Involved in Acidocalcisome Alkalinization and Is Essential for Survival under Starvation Conditions. MBio, 2021, , e0198121.	1.8	3

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19	Lathosterol Oxidase (Sterol C-5 Desaturase) Deletion Confers Resistance to Amphotericin B and Sensitivity to Acidic Stress in Leishmania major. MSphere, 2020, 5, .	1.3	7
20	Different Sensitivity of Control and MICU1- and MICU2-Ablated Trypanosoma cruzi Mitochondrial Calcium Uniporter Complex to Ruthenium-Based Inhibitors. International Journal of Molecular Sciences, 2020, 21, 9316.	1.8	0
21	A CRISPR/Cas9-riboswitch-Based Method for Downregulation of Gene Expression in Trypanosoma cruzi. Frontiers in Cellular and Infection Microbiology, 2020, 10, 68.	1.8	12
22	Catching protein polyphosphorylation in the act. Journal of Biological Chemistry, 2020, 295, 1452-1453.	1.6	2
23	The Mitochondrial Calcium Uniporter Interacts with Subunit c of the ATP Synthase of Trypanosomes and Humans. MBio, 2020, 11, .	1.8	19
24	Multi-target heteroleptic palladium bisphosphonate complexes. Journal of Biological Inorganic Chemistry, 2020, 25, 509-519.	1.1	6
25	Genetic tool development in marine protists: emerging model organisms for experimental cell biology. Nature Methods, 2020, 17, 481-494.	9.0	97
26	CRISPR/Cas9 Technology Applied to the Study of Proteins Involved in Calcium Signaling in Trypanosoma cruzi. Methods in Molecular Biology, 2020, 2116, 177-197.	0.4	5
27	Isolation and Characterization of Acidocalcisomes from Trypanosomatids. Methods in Molecular Biology, 2020, 2116, 673-688.	0.4	3
28	IP3 receptor-mediated Ca2+ release from acidocalcisomes regulates mitochondrial bioenergetics and prevents autophagy in Trypanosoma cruzi. Cell Calcium, 2020, 92, 102284.	1.1	32
29	Synthesis and biological evaluation of 1-alkylaminomethyl-1,1-bisphosphonic acids against Trypanosoma cruzi and Toxoplasma gondii. Bioorganic and Medicinal Chemistry, 2019, 27, 3663-3673.	1.4	10
30	The acidocalcisome inositol-1,4,5-trisphosphate receptor of Trypanosoma brucei is stimulated by luminal polyphosphate hydrolysis products. Journal of Biological Chemistry, 2019, 294, 10628-10637.	1.6	15
31	Functional analysis and importance for host cell infection of the Ca2+-conducting subunits of the mitochondrial calcium uniporter ofTrypanosoma cruzi. Molecular Biology of the Cell, 2019, 30, 1676-1690.	0.9	29
32	MICU1 and MICU2 Play an Essential Role in Mitochondrial Ca ²⁺ Uptake, Growth, and Infectivity of the Human Pathogen Trypanosoma cruzi. MBio, 2019, 10, .	1.8	37
33	NUDIX hydrolases with inorganic polyphosphate exo- and endopolyphosphatase activities in the glycosome, cytosol and nucleus of Trypanosoma brucei. Bioscience Reports, 2019, 39, .	1.1	13
34	Pyrophosphate Stimulates the Phosphate-Sodium Symporter of Trypanosoma brucei Acidocalcisomes and Saccharomyces cerevisiae Vacuoles. MSphere, 2019, 4, .	1.3	6
35	Genome Editing by CRISPR/Cas9 in Trypanosoma cruzi. Methods in Molecular Biology, 2019, 1955, 61-76.	0.4	15
36	Further insights of selenium-containing analogues of WC-9 against Trypanosoma cruzi. Bioorganic and Medicinal Chemistry, 2019, 27, 1350-1361.	1.4	15

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37	Ibandronate metal complexes: solution behavior and antiparasitic activity. Journal of Biological Inorganic Chemistry, 2018, 23, 303-312.	1.1	12
38	An Intracellular Ammonium Transporter Is Necessary for Replication, Differentiation, and Resistance to Starvation and Osmotic Stress in Trypanosoma cruzi. MSphere, 2018, 3, .	1.3	25
39	A Riboswitchâ€based Inducible Gene Expression System for Trypanosoma brucei. Journal of Eukaryotic Microbiology, 2018, 65, 412-421.	0.8	11
40	The mitochondrial calcium uniporter complex in trypanosomes. Cell Biology International, 2018, 42, 656-663.	1.4	9
41	Detection of Weakly Expressed Trypanosoma cruzi Membrane Proteins Using Highâ€Performance Probes. Journal of Eukaryotic Microbiology, 2018, 65, 722-728.	0.8	10
42	Calcium-sensitive pyruvate dehydrogenase phosphatase is required for energy metabolism, growth, differentiation, and infectivity of Trypanosoma cruzi. Journal of Biological Chemistry, 2018, 293, 17402-17417.	1.6	42
43	5-Diphosphoinositol pentakisphosphate (5-IP7) regulates phosphate release from acidocalcisomes and yeast vacuoles. Journal of Biological Chemistry, 2018, 293, 19101-19112.	1.6	32
44	Inorganic polyphosphate interacts with nucleolar and glycosomal proteins in trypanosomatids. Molecular Microbiology, 2018, 110, 973-994.	1.2	35
45	The Mitochondrial Ca ²⁺ Uniporter Complex (MCUC) of Trypanosoma brucei Is a Hetero-oligomer That Contains Novel Subunits Essential for Ca ²⁺ Uptake. MBio, 2018, 9, .	1.8	29
46	Membrane Proteins in Trypanosomatids Involved in Ca2+ Homeostasis and Signaling. Genes, 2018, 9, 304.	1.0	27
47	Acidocalcisome-Mitochondrion Membrane Contact Sites in Trypanosoma brucei. Pathogens, 2018, 7, 33.	1.2	25
48	Different Roles of Mitochondrial Calcium Uniporter Complex Subunits in Growth and Infectivity of Trypanosoma cruzi. MBio, 2017, 8, .	1.8	78
49	Selenium-containing analogues of WC-9 are extremely potent inhibitors of Trypanosoma cruzi proliferation. Bioorganic and Medicinal Chemistry, 2017, 25, 6435-6449.	1.4	29
50	Dynamic nuclear polarization facilitates monitoring of pyruvate metabolism in Trypanosoma brucei. Journal of Biological Chemistry, 2017, 292, 18161-18168.	1.6	6
51	The inositol pyrophosphate synthesis pathway in Trypanosoma brucei is linked to polyphosphate synthesis in acidocalcisomes. Molecular Microbiology, 2017, 106, 319-333.	1.2	27
52	Antiparasitic Activity of Sulfur- and Fluorine-Containing Bisphosphonates against Trypanosomatids and Apicomplexan Parasites. Molecules, 2017, 22, 82.	1.7	12
53	Endogenous C-terminal Tagging by CRISPR/Cas9 in Trypanosoma cruzi. Bio-protocol, 2017, 7, .	0.2	37
54	Genome Editing by <scp>CRISPR</scp>/Cas9: A Game Change in the Genetic Manipulation of Protists. Journal of Eukaryotic Microbiology, 2016, 63, 679-690.	0.8	55

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55	Acidocalcisomes of eukaryotes. Current Opinion in Cell Biology, 2016, 41, 66-72.	2.6	69
56	Polyphosphate and acidocalcisomes. Biochemical Society Transactions, 2016, 44, 1-6.	1.6	62
57	Activity of Fluorineâ€Containing Analogues of WCâ€9 and Structurally Related Analogues against Two Intracellular Parasites: Trypanosoma cruzi and Toxoplasma gondii. ChemMedChem, 2016, 11, 2690-2702.	1.6	8
58	Polyphosphate Storage and Function in Acidocalcisomes. , 2016, , 35-48.		0
59	CRISPR/Cas9-mediated endogenous C-terminal Tagging of Trypanosoma cruzi Genes Reveals the Acidocalcisome Localization of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 2016, 291, 25505-25515.	1.6	87
60	Structures of Trypanosome Vacuolar Soluble Pyrophosphatases: Antiparasitic Drug Targets. ACS Chemical Biology, 2016, 11, 1362-1371.	1.6	15
61	The origin and evolution of the acidocalcisome and its interactions with other organelles. Molecular and Biochemical Parasitology, 2016, 209, 3-9.	0.5	32
62	<scp>T</scp>c<scp>P</scp>ho91 is a contractile vacuole phosphate sodium symporter that regulates phosphate and polyphosphate metabolism in <scp>T</scp>rypanosoma cruzi. Molecular Microbiology, 2015, 97, 911-925.	1.2	27
63	SQ109, a New Drug Lead for Chagas Disease. Antimicrobial Agents and Chemotherapy, 2015, 59, 1950-1961.	1.4	51
64	Proteomic analysis of acidocalcisomes ofTrypanosoma bruceiuncovers their role in phosphate metabolism, cation homeostasis, and calcium signaling. Communicative and Integrative Biology, 2015, 8, e1017174.	0.6	11
65	CRISPR/Cas9-Induced Disruption of Paraflagellar Rod Protein 1 and 2 Genes in Trypanosoma cruzi Reveals Their Role in Flagellar Attachment. MBio, 2015, 6, e01012.	1.8	172
66	Aryloxyethyl Thiocyanates Are Potent Growth Inhibitors of Trypanosoma cruzi and Toxoplasma gondii. ChemMedChem, 2015, 10, 1094-1108.	1.6	12
67	Rab32 is essential for maintaining functional acidocalcisomes, and for growth and infectivity of Trypanosoma cruzi. Journal of Cell Science, 2015, 128, 2363-2373.	1.2	27
68	Ca ²⁺ Regulation of Trypanosoma brucei Phosphoinositide Phospholipase C. Eukaryotic Cell, 2015, 14, 486-494.	3.4	11
69	A novel role of Rab11 in trafficking GPI-anchored trans-sialidase to the plasma membrane of Trypanosoma cruzi. Small GTPases, 2015, 6, 8-10.	0.7	8
70	Calcium signaling in trypanosomatid parasites. Cell Calcium, 2015, 57, 194-202.	1.1	63
71	Proteomic Analysis of the Acidocalcisome, an Organelle Conserved from Bacteria to Human Cells. PLoS Pathogens, 2014, 10, e1004555.	2.1	77
72	Rab11 Regulates Trafficking of Trans-sialidase to the Plasma Membrane through the Contractile Vacuole Complex of Trypanosoma cruzi. PLoS Pathogens, 2014, 10, e1004224.	2.1	20

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73	The Streamlined Genome of Phytomonas spp. Relative to Human Pathogenic Kinetoplastids Reveals a Parasite Tailored for Plants. PLoS Genetics, 2014, 10, e1004007.	1.5	66
74	Squalene Synthase As a Target for Chagas Disease Therapeutics. PLoS Pathogens, 2014, 10, e1004114.	2.1	64
75	The Acidocalcisome Vacuolar Transporter Chaperone 4 Catalyzes the Synthesis of Polyphosphate in Insectâ€stages of Trypanosoma brucei and T. cruzi. Journal of Eukaryotic Microbiology, 2014, 61, 155-165.	0.8	34
76	Intracellular calcium channels in protozoa. European Journal of Pharmacology, 2014, 739, 4-18.	1.7	18
77	New insights into molecular recognition of 1,1-bisphosphonic acids by farnesyl diphosphate synthase. Bioorganic and Medicinal Chemistry, 2014, 22, 398-405.	1.4	21
78	Mitochondrial calcium transport in trypanosomes. Molecular and Biochemical Parasitology, 2014, 196, 108-116.	0.5	24
79	Polyphosphate: a target for thrombosis attenuation. Blood, 2014, 124, 3177-3178.	0.6	9
80	New Insights into Roles of Acidocalcisomes and Contractile Vacuole Complex in Osmoregulation in Protists. International Review of Cell and Molecular Biology, 2013, 305, 69-113.	1.6	57
81	Design, synthesis and biological evaluation of WC-9 analogs asÂantiparasitic agents. European Journal of Medicinal Chemistry, 2013, 69, 480-489.	2.6	9
82	Trypanosoma brucei Vacuolar Transporter Chaperone 4 (TbVtc4) Is an Acidocalcisome Polyphosphate Kinase Required for in Vivo Infection. Journal of Biological Chemistry, 2013, 288, 34205-34216.	1.6	71
83	Evidence for the role of vacuolar soluble pyrophosphatase and inorganic polyphosphate in <scp>T</scp>rypanosoma cruzi persistence. Molecular Microbiology, 2013, 90, 699-715.	1.2	31
84	Design, synthesis and biological evaluation of sulfur-containing 1,1-bisphosphonic acids as antiparasitic agents. European Journal of Medicinal Chemistry, 2013, 60, 431-440.	2.6	46
85	Essential regulation of cell bioenergetics in Trypanosoma brucei by the mitochondrial calcium uniporter. Nature Communications, 2013, 4, 2865.	5.8	111
86	Acidocalcisomes of Trypanosoma brucei have an inositol 1,4,5-trisphosphate receptor that is required for growth and infectivity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1887-1892.	3.3	87
87	Polyphosphate and Its Diverse Functions in Host Cells and Pathogens. PLoS Pathogens, 2013, 9, e1003230.	2.1	79
88	Calcium in Malaria Parasites. , 2013, , 1-6.		0
89	Molecular and Electrophysiological Characterization of a Novel Cation Channel of Trypanosoma cruzi. PLoS Pathogens, 2012, 8, e1002750.	2.1	33
90	Polyphosphate Is a Novel Pro-inflammatory Regulator of Mast Cells and Is Located in Acidocalcisomes. Journal of Biological Chemistry, 2012, 287, 28435-28444.	1.6	119

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91	1-(Fluoroalkylidene)-1,1-bisphosphonic acids are potent and selective inhibitors of the enzymatic activity of Toxoplasma gondii farnesyl pyrophosphate synthase. Organic and Biomolecular Chemistry, 2012, 10, 1424.	1.5	21
92	A 43-Nucleotide U-rich Element in 3â€²-Untranslated Region of Large Number of Trypanosoma cruzi Transcripts Is Important for mRNA Abundance in Intracellular Amastigotes. Journal of Biological Chemistry, 2012, 287, 19058-19069.	1.6	23
93	Bisphosphonate metal complexes as selective inhibitors of Trypanosoma cruzi farnesyl diphosphate synthase. Dalton Transactions, 2012, 41, 6468.	1.6	32
94	Design, Synthesis, Calorimetry, and Crystallographic Analysis of 2-Alkylaminoethyl-1,1-bisphosphonates as Inhibitors of Trypanosoma cruzi Farnesyl Diphosphate Synthase. Journal of Medicinal Chemistry, 2012, 55, 6445-6454.	2.9	30
95	Trypanosomes and the solution to a 50-year mitochondrial calcium mystery. Trends in Parasitology, 2012, 28, 31-37.	1.5	48
96	The Role of Acidocalcisomes in the Stress Response of Trypanosoma cruzi. Advances in Parasitology, 2011, 75, 307-324.	1.4	20
97	Molecular parasitology in the 21st Century. Essays in Biochemistry, 2011, 51, 1-13.	2.1	21
98	Acidocalcisomes as Calcium- and Polyphosphate-Storage Compartments during Embryogenesis of the Insect Rhodnius prolixus Stahl. PLoS ONE, 2011, 6, e27276.	1.1	31
99	Defining the role of a FYVE domain in the localization and activity of a cAMP phosphodiesterase implicated in osmoregulation in Trypanosoma cruzi. Molecular Microbiology, 2011, 79, 50-62.	1.2	38
100	Volutin Granules of Eimeria Parasites are Acidic Compartments and Have Physiological and Structural Characteristics Similar to Acidocalcisomes. Journal of Eukaryotic Microbiology, 2011, 58, 416-423.	0.8	20
101	Acidocalcisomes. Cell Calcium, 2011, 50, 113-119.	1.1	137
102	Synthesis and biological evaluation of new 2-alkylaminoethyl-1,1-bisphosphonic acids against Trypanosoma cruzi and Toxoplasma gondii targeting farnesyl diphosphate synthase. Bioorganic and Medicinal Chemistry, 2011, 19, 2211-2217.	1.4	41
103	Adaptor Protein-3 (AP-3) Complex Mediates the Biogenesis of Acidocalcisomes and Is Essential for Growth and Virulence of Trypanosoma brucei*. Journal of Biological Chemistry, 2011, 286, 36619-36630.	1.6	43
104	Hyperosmotic Stress Induces Aquaporin-dependent Cell Shrinkage, Polyphosphate Synthesis, Amino Acid Accumulation, and Global Gene Expression Changes in Trypanosoma cruzi. Journal of Biological Chemistry, 2011, 286, 43959-43971.	1.6	39
105	Identification of Contractile Vacuole Proteins in Trypanosoma cruzi. PLoS ONE, 2011, 6, e18013.	1.1	69
106	Calcium- and polyphosphate-containing acidic granules of sea urchin eggs are similar to acidocalcisomes, but are not the targets for NAADP. Biochemical Journal, 2010, 429, 485-495.	1.7	41
107	Calciumâ€•and polyphosphateâ€containing acidocalcisomes in chicken egg yolk. Biology of the Cell, 2010, 102, 421-434.	0.7	22
108	Acidic calcium stores open for business: expanding the potential for intracellular Ca2+ signaling. Trends in Cell Biology, 2010, 20, 277-286.	3.6	233

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109	Risedronate metal complexes potentially active against Chagas disease. Journal of Inorganic Biochemistry, 2010, 104, 1252-1258.	1.5	58
110	Developmental Expression of a Trypanosoma cruzi Phosphoinositide-Specific Phospholipase C in Amastigotes and Stimulation of Host Phosphoinositide Hydrolysis. Infection and Immunity, 2010, 78, 4206-4212.	1.0	18
111	Localization and Developmental Regulation of a Dispersed Gene Family 1 Protein in Trypanosoma cruzi. Infection and Immunity, 2010, 78, 231-240.	1.0	41
112	Acylation-dependent Export of Trypanosoma cruzi Phosphoinositide-specific Phospholipase C to the Outer Surface of Amastigotes. Journal of Biological Chemistry, 2010, 285, 30906-30917.	1.6	37
113	Chemical Validation of Phosphodiesterase C as a Chemotherapeutic Target in Trypanosoma cruzi , the Etiological Agent of Chagas' Disease. Antimicrobial Agents and Chemotherapy, 2010, 54, 3738-3745.	1.4	35
114	Target of Rapamycin (TOR)-like 1 Kinase Is Involved in the Control of Polyphosphate Levels and Acidocalcisome Maintenance in Trypanosoma brucei. Journal of Biological Chemistry, 2010, 285, 24131-24140.	1.6	43
115	Biochemistry of Trypanosoma cruzi. , 2010, , 365-392.		2
116	Evolution of acidocalcisomes and their role in polyphosphate storage and osmoregulation in eukaryotic microbes. Philosophical Transactions of the Royal Society B: Biological Sciences, 2010, 365, 775-784.	1.8	98
117	Calcium Homeostasis and Acidocalcisomes in Trypanosoma cruzi. Microbiology Monographs, 2010, , 299-318.	0.3	3
118	In with the TRP Channels: Intracellular Functions for TRPM1 and TRPM2. Science Signaling, 2009, 2, pe69.	1.6	26
119	The Role of Acidocalcisomes in Parasitic Protists¹. Journal of Eukaryotic Microbiology, 2009, 56, 208-213.	0.8	72
120	Proton-pyrophosphatase and polyphosphate in acidocalcisome-like vesicles from oocytes and eggs of Periplaneta americana. Insect Biochemistry and Molecular Biology, 2009, 39, 198-206.	1.2	28
121	Proteomics in Trypanosoma cruzi â€“ localization of novel proteins to various organelles. Proteomics, 2008, 8, 2735-2749.	1.3	60
122	Synthesis and biological evaluation of 2-alkylaminoethyl-1,1-bisphosphonic acids against Trypanosoma cruzi and Toxoplasma gondii targeting farnesyl diphosphate synthase. Bioorganic and Medicinal Chemistry, 2008, 16, 3283-3290.	1.4	47
123	A contractile vacuole complex is involved in osmoregulation in Trypanosoma cruzi. Experimental Parasitology, 2008, 118, 17-24.	0.5	68
124	Special section on novel organelles in parasitic protozoa. Experimental Parasitology, 2008, 118, 1.	0.5	1
125	Phospholipid and glycolipid composition of acidocalcisomes of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2008, 158, 120-130.	0.5	12
126	A Trypanosoma cruzi Phosphatidylinositol 3-Kinase (TcVps34) Is Involved in Osmoregulation and Receptor-mediated Endocytosis. Journal of Biological Chemistry, 2008, 283, 31541-31550.	1.6	32

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127	The Acidocalcisome as a Target for Chemotherapeutic Agents in Protozoan Parasites. Current Pharmaceutical Design, 2008, 14, 882-888.	0.9	60
128	Overexpression of a Zn2+-sensitive Soluble Exopolyphosphatase from Trypanosoma cruzi Depletes Polyphosphate and Affects Osmoregulation. Journal of Biological Chemistry, 2007, 282, 32501-32510.	1.6	33
129	Ablation of a small transmembrane protein of Trypanosoma brucei (TbVTC1) involved in the synthesis of polyphosphate alters acidocalcisome biogenesis and function, and leads to a cytokinesis defect. Biochemical Journal, 2007, 407, 161-170.	1.7	59
130	Fluorine-containing aryloxyethyl thiocyanate derivatives are potent inhibitors of Trypanosoma cruzi and Toxoplasma gondii proliferation. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5068-5071.	1.0	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 Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2006, 150, 249-255.	0.5	21
133	Molecular Characterization of Trypanosoma brucei P-type H+-ATPases. Journal of Biological Chemistry, 2006, 281, 21963-21973.	1.6	12
134	Polyphosphate modulates blood coagulation and fibrinolysis. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 903-908.	3.3	487
135	A Solanesyl-diphosphate Synthase Localizes in Glycosomes of Trypanosoma cruzi. Journal of Biological Chemistry, 2006, 281, 39339-39348.	1.6	35
136	Role for a P-type H+-ATPase in the acidification of the endocytic pathway of Trypanosoma cruzi. Biochemical Journal, 2005, 392, 467-474.	1.7	42
137	Synthesis and biological evaluation of 1-amino-1,1-bisphosphonates derived from fatty acids against Trypanosoma cruzi targeting farnesyl pyrophosphate synthase. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4685-4690.	1.0	72
138	Leishmania salvage and remodelling of host sphingolipids in amastigote survival and acidocalcisome biogenesis. Molecular Microbiology, 2005, 55, 1566-1578.	1.2	101
139	Acidocalcisomes ? conserved from bacteria to man. Nature Reviews Microbiology, 2005, 3, 251-261.	13.6	396
140	P-type Proton ATPases are Involved in Intracellular Calcium and Proton Uptake in the Plant Parasite Phytomonas francai. Journal of Eukaryotic Microbiology, 2005, 52, 55-60.	0.8	6
141	Structure and mechanism of the farnesyl diphosphate synthase from Trypanosoma cruzi: Implications for drug design. Proteins: Structure, Function and Bioinformatics, 2005, 62, 80-88.	1.5	123
142	Characterization of Farnesylated Protein Tyrosine Phosphatase TcPRL-1 from Trypanosoma cruzi. Eukaryotic Cell, 2005, 4, 1550-1561.	3.4	33
143	A Malaria Parasite-encoded Vacuolar H+-ATPase Is Targeted to the Host Erythrocyte. Journal of Biological Chemistry, 2005, 280, 36841-36847.	1.6	23
144	A Lipid-modified Phosphoinositide-specific Phospholipase C (TcPI-PLC) Is Involved in Differentiation of Trypomastigotes to Amastigotes of Trypanosoma cruzi. Journal of Biological Chemistry, 2005, 280, 16235-16243.	1.6	37

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145	Bisphosphonate Inhibition of the Exopolyphosphatase Activity of theTrypanosoma bruceiSoluble Vacuolar Pyrophosphatase. Journal of Medicinal Chemistry, 2005, 48, 6128-6139.	2.9	59
146	Human Platelet Dense Granules Contain Polyphosphate and Are Similar to Acidocalcisomes of Bacteria and Unicellular Eukaryotes. Journal of Biological Chemistry, 2004, 279, 44250-44257.	1.6	375
147	A Pyrophosphatase Regulating Polyphosphate Metabolism in Acidocalcisomes Is Essential for Trypanosoma brucei Virulence in Mice. Journal of Biological Chemistry, 2004, 279, 3420-3425.	1.6	74
148	Trypanosoma brucei Plasma Membrane-Type Ca2+-ATPase 1 (TbPMC1) and 2 (TbPMC2) Genes Encode Functional Ca2+-ATPases Localized to the Acidocalcisomes and Plasma Membrane, and Essential for Ca2+ Homeostasis and Growth. Journal of Biological Chemistry, 2004, 279, 14427-14439.	1.6	56
149	Acidocalcisomes and the Contractile Vacuole Complex Are Involved in Osmoregulation in Trypanosoma cruzi. Journal of Biological Chemistry, 2004, 279, 52270-52281.	1.6	104
150	Polyphosphate Content and Fine Structure of Acidocalcisomes ofPlasmodium falciparum. Microscopy and Microanalysis, 2004, 10, 563-567.	0.2	44
151	The H+-pyrophosphatase of Rhodospirillum rubrum Is Predominantly Located in Polyphosphate-rich Acidocalcisomes. Journal of Biological Chemistry, 2004, 279, 51193-51202.	1.6	86
152	A Functional Aquaporin Co-Localizes with the Vacuolar Proton Pyrophosphatase to Acidocalcisomes and the Contractile Vacuole Complex of Trypanosoma cruzi. Journal of Biological Chemistry, 2004, 279, 38673-38682.	1.6	103
153	Acidocalcisomes of Trypanosomatids have Species-Specific Elemental Composition. Protist, 2004, 155, 395-405.	0.6	37
154	Dynamics of polymorphism of acidocalcisomes in Leishmania parasites. Histochemistry and Cell Biology, 2004, 121, 407-418.	0.8	32
155	Crystallization and preliminary X-ray diffraction study of the farnesyl diphosphate synthase fromTrypanosoma brucei. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1863-1866.	2.5	14
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