Sergio Schenkman

List of Publications by Year
in descending order

164 papers	6,616 citations	57631 44 h-index	82410 72 g-index
167 all docs	167 docs citations	167 times ranked	4485 citing authors

#	Article	IF	Citations
1	A novel cell surface trans-sialidase of trypanosoma cruzi generates a stage-specific epitope required for invasion of mammalian cells. Cell, 1991, 65, 1117-1125.	13.5	422
2	Structural and Functional Properties of Trypanosoma Trans-Sialidase. Annual Review of Microbiology, 1994, 48, 499-523.	2.9	299
3	Exocellular components of Paracoccidioides brasiliensis: identification of a specific antigen. Infection and Immunity, 1986, 53, 199-206.	1.0	228
4	Mucin-like glycoproteins linked to the membrane by glycosylphosphatidylinositol anchor are the major acceptors of sialic acid in a reaction catalyzed by trans-sialidase in metacyclic forms of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1993, 59, 293-303.	0.5	210
5	The Lipid Structure of the Glycosylphosphatidylinositol-anchored Mucin-like Sialic Acid Acceptors of Trypanosoma cruzi Changes during Parasite Differentiation from Epimastigotes to Infective Metacyclic Trypomastigote Forms. Journal of Biological Chemistry, 1995, 270, 27244-27253.	1.6	187
6	The mucin-like glycoprotein super-family of Trypanosoma cruzi: structure and biological roles. Molecular and Biochemical Parasitology, 2001, 114, 143-150.	0.5	172
7	Nitroheterocyclic compounds are more efficacious than CYP51 inhibitors against Trypanosoma cruzi: implications for Chagas disease drug discovery and development. Scientific Reports, 2014, 4, 4703.	1.6	161
8	Trypanosoma cruzi trans-sialidase and neuraminidase activities can be mediated by the same enzymes.. Journal of Experimental Medicine, 1992, 175, 567-575.	4.2	142
9	Attachment of Trypanosoma cruzi to mammalian cells requires parasite energy, and invasion can be independent of the target cell cytoskeleton. Infection and Immunity, 1991, 59, 645-654.	1.0	139
10	Substrate specificity of the Trypanosoma cruzi trans-sialidase. Glycobiology, 1992, 2, 541-548.	1.3	126
11	â€˜Click chemistryâ€™ synthesis of a library of 1,2,3-triazole-substituted galactose derivatives and their evaluation against Trypanosoma cruzi and its cell surface trans-sialidase. Bioorganic and Medicinal Chemistry, 2010, 18, 2412-2427.	1.4	126
12	Transcription rate modulation through the Trypanosoma cruzi life cycle occurs in parallel with changes in nuclear organisation. Molecular and Biochemical Parasitology, 2001, 112, 79-90.	0.5	107
13	Immunization with a plasmid DNA containing the gene of trans-sialidase reduces Trypanosoma cruzi infection in mice. Vaccine, 1998, 16, 768-774.	1.7	104
14	Expression of trypomastigote trans-sialidase in metacyclic forms of Trypanosoma cruzi increases parasite escape from its parasitophorous vacuole. Cellular Microbiology, 2006, 8, 1888-1898.	1.1	94
15	Morphological Events during the Trypanosoma cruzi Cell Cycle. Protist, 2007, 158, 147-157.	0.6	94
16	Attachment of Trypanosoma cruzi trypomastigotes to receptors at restricted cell surface domains. Experimental Parasitology, 1991, 72, 76-86.	0.5	85
17	Infestin, a thrombin inhibitor presents in Triatoma infestans midgut, a Chagasâ€™ disease vector: gene cloning, expression and characterization of the inhibitor. Insect Biochemistry and Molecular Biology, 2002, 32, 991-997.	1.2	83
18	Effects of temperature and lipid composition on the serum albumin-induced aggregation and fusion of small unilamellar vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1981, 649, 633-641.	1.4	81

#	Article	IF	Citations
19	Mammalian cell sialic acid enhances invasion by Trypanosoma cruzi. Infection and Immunity, 1993, 61, 898-902.	1.0	81
20	Trypanosoma cruzi invade a mammalian epithelial cell in a polarized manner. Cell, 1988, 55, 157-165.	13.5	80
21	Trialysin, a Novel Pore-forming Protein from Saliva of Hematophagous Insects Activated by Limited Proteolysis. Journal of Biological Chemistry, 2002, 277, 6207-6213.	1.6	80
22	Temperature differences for trans-glycosylation and hydrolysis reaction reveal an acceptor binding site in the catalytic mechanism of Trypanosoma cruzi trans-sialidase. Glycobiology, 1997, 7, 1237-1246.	1.3	73
23	Genome of the Avirulent Human-Infective Trypanosomeâ€"Trypanosoma rangeli. PLoS Neglected Tropical Diseases, 2014, 8, e3176.	1.3	72
24	Glycophosphatidylinositol-anchored proteins in metacyclic trypomastigotes of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1988, 29, 141-151.	0.5	69
25	Proteomic analysis reveals different composition of extracellular vesicles released by two Trypanosoma cruzi strains associated with their distinct interaction with host cells. Journal of Extracellular Vesicles, 2018, 7, 1463779.	5.5	67
26	Post-translational modifications of Trypanosoma cruzi histone H4. Molecular and Biochemical Parasitology, 2006, 150, 268-277.	0.5	66
27	Trypanosoma cruzi trans-sialidase as a multifunctional enzyme in Chagasâ€™ disease. Cellular Microbiology, 2012, 14, 1522-1530.	1.1	66
28	Novel Membrane-Bound eIF2Î± Kinase in the Flagellar Pocket of Trypanosoma brucei. Eukaryotic Cell, 2007, 6, 1979-1991.	3.4	65
29	Chagasic patients develop a type 1 immune response to Trypanosoma cruzi trans-sialidase. Parasite Immunology, 2000, 22, 49-53.	0.7	64
30	Cyclooligomerisation of azido-alkyne-functionalised sugars: synthesis of 1,6-linked cyclic pseudo-galactooligosaccharides and assessment of their sialylation by Trypanosoma cruzi trans-sialidase. Chemical Science, 2010, 1, 507.	3.7	57
31	Predicting the Proteins of Angomonas deanei, Strigomonas culicis and Their Respective Endosymbionts Reveals New Aspects of the Trypanosomatidae Family. PLoS ONE, 2013, 8, e60209.	1.1	55
32	Trypanosome Prereplication Machinery Contains a Single Functional Orc1/Cdc6 Protein, Which Is Typical of Archaea. Eukaryotic Cell, 2009, 8, 1592-1603.	3.4	54
33	Stage-specific expression and intracellular shedding of the cell surface trans-sialidase of Trypanosoma cruzi. Infection and Immunity, 1992, 60, 2349-2360.	1.0	54
34	Secretion of the 43 kDa glycoprotein antigen byParacoccidioides brasiliensis. Medical Mycology, 1988, 26, 367-373.	0.3	53
35	Protein Synthesis Attenuation by Phosphorylation of eIF2Î± Is Required for the Differentiation of Trypanosoma cruzi into Infective Forms. PLoS ONE, 2011, 6, e27904.	1.1	53
36	Design, synthesis and the effect of 1,2,3-triazole sialylmimetic neoglycoconjugates on Trypanosoma cruzi and its cell surface trans-sialidase. Bioorganic and Medicinal Chemistry, 2012, 20, 145-156.	1.4	53

#	Article	IF	Citations
37	Evidence for the participation of the Ssp-3 antigen in the invasion of nonphagocytic mammalian cells by Trypanosoma cruzi.. Journal of Experimental Medicine, 1992, 175, 1635-1641.	4.2	52
38	Triapsin, an unusual activatable serine protease from the saliva of the hematophagous vector of Chagas' disease Triatoma infestans (Hemiptera: Reduviidae). Insect Biochemistry and Molecular Biology, 2001, 31, 465-472.	1.2	52
39	Organization of satellite DNA in the genome of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2003, 129, 1-9.	0.5	52
40	Comparative transcriptome profiling of virulent and non-virulent Trypanosoma cruzi underlines the role of surface proteins during infection. PLoS Pathogens, 2017, 13, e1006767.	2.1	52
41	Expression of trans-Sialidase and 85-kDa Glycoprotein Genes in Trypanosoma cruzi Is Differentially Regulated at the Post-transcriptional Level by Labile Protein Factors. Journal of Biological Chemistry, 1999, 274, 13041-13047.	1.6	50
42	Coâ€ordinated expression of lymphoid and myeloid specific transcription factors during Bâ€1b cell differentiation into mononuclear phagocytes in vitro. Immunology, 2009, 126, 114-122.	2.0	50
43	Identification of an acid-lipase in human serum which is capable of solubilizing glycophosphatidylinositol-anchored proteins. Biochemical and Biophysical Research Communications, 1988, 150, 476-482.	1.0	49
44	Active transcription and ultrastructural changes during Trypanosoma cruzi metacyclogenesis. Anais Da Academia Brasileira De Ciencias, 2008, 80, 157-166.	0.3	48
45	In Vitro and In Vivo Trypanocidal Effects of the Cyclopalladated Compound 7a, a Drug Candidate for Treatment of Chagas' Disease. Antimicrobial Agents and Chemotherapy, 2010, 54, 3318-3325.	1.4	48
46	Extracellular Vesicles in Trypanosomatids: Host Cell Communication. Frontiers in Cellular and Infection Microbiology, 2020, 10, 602502.	1.8	47
47	Actively Transcribing RNA Polymerase II Concentrates on Spliced Leader Genes in the Nucleus of Trypanosoma cruzi. Eukaryotic Cell, 2005, 4, 960-970.	3.4	46
48	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
49	Trans-sialidase from Trypanosoma cruzi epimastigotes is expressed at the stationary phase and is different from the enzyme expressed in trypomastigotes. Molecular and Biochemical Parasitology, 1993, 61, 97-106.	0.5	41
50	Comparative Proteomic Analysis of Lysine Acetylation in Trypanosomes. Journal of Proteome Research, 2018, 17, 374-385.	1.8	41
51	A Membrane-bound eIF2 Alpha Kinase Located in Endosomes Is Regulated by Heme and Controls Differentiation and ROS Levels in Trypanosoma cruzi. PLoS Pathogens, 2015, 11, e1004618.	2.1	40
52	Trypanosoma cruzi histone H1 is phosphorylated in a typical cyclin dependent kinase site accordingly to the cell cycle. Molecular and Biochemical Parasitology, 2005, 140, 75-86.	0.5	39
53	Differential Expression Profiles in the Midgut of Triatoma infestans Infected with Trypanosoma cruzi. PLoS ONE, 2013, 8, e61203.	1.1	39
54	Chromosome Localization Changes in the Trypanosoma cruzi Nucleus. Eukaryotic Cell, 2002, 1, 944-953.	3.4	38

#	Article	IF	Citations
55	Trypanosoma cruzi bromodomain factor 2 (BDF2) binds to acetylated histones and is accumulated after UV irradiation. International Journal for Parasitology, 2009, 39, 665-673.	1.3	38
56	Chromatin Proteomics Reveals Variable Histone Modifications during the Life Cycle of Trypanosoma cruzi. Journal of Proteome Research, 2016, 15, 2039-2051.	1.8	38
57	Highlights of the SÃ£o Paulo ISEV workshop on extracellular vesicles in crossâ€kingdom communication. Journal of Extracellular Vesicles, 2017, 6, 1407213.	5.5	38
58	Chemoenzymatic synthesis of GM3, Lewis x and sialyl Lewis x oligosaccharides in 13C-enriched form. Tetrahedron Letters, 1997, 38, 5861-5864.	0.7	37
59	Distinct acetylation of Trypanosoma cruzi histone H4 during cell cycle, parasite differentiation, and after DNA damage. Chromosoma, 2009, 118, 487-499.	1.0	37
60	The Bacterium Endosymbiont of Crithidia deanei Undergoes Coordinated Division with the Host Cell Nucleus. PLoS ONE, 2010, 5, e12415.	1.1	37
61	Comparison of antibody and protective immune responses againstTrypanosoma cruziinfection elicited by immunization with a parasite antigen delivered as naked DNA or recombinant protein. Parasite Immunology, 1999, 21, 103-110.	0.7	36
62	Characterization of Trypanosoma cruzi Sirtuins as Possible Drug Targets for Chagas Disease. Antimicrobial Agents and Chemotherapy, 2015, 59, 4669-4679.	1.4	36
63	Primary13C and Î²-Secondary2H KIEs for Trans-sialidase. A Snapshot of Nucleophilic Participation during Catalysisâ€. Biochemistry, 2000, 39, 5902-5910.	1.2	34
64	Comparative analysis of genomic sequences suggests that Trypanosoma cruzi CL Brener contains two sets of non-intercalated repeats of satellite DNA that correspond to T. cruzi I and T. cruzi II types. Molecular and Biochemical Parasitology, 2005, 140, 221-227.	0.5	34
65	Passive transfer of a monoclonal antibody specific for a sialic acid-dependent epitope on the surface of Trypanosoma cruzi trypomastigotes reduces infection in mice. Infection and Immunity, 1997, 65, 2548-2554.	1.0	33
66	Trypanosoma cruzi trans-sialidase gene lacking C-terminal repeats and expressed in epimastigote forms. Molecular and Biochemical Parasitology, 1995, 70, 9-17.	0.5	32
67	Two distinct groups of mucin-like genes are differentially expressed in the developmental stages of Trypanosoma cruzi1Note: Nucleotide sequence data reported in this paper are available in the EMBL, GenBankâ„¢, and DDJB databases under the accession numbers AF027869â€“AFO27880.1. Molecular and Biochemical Parasitology, 1998, 93, 101-114.	0.5	32
68	The use of the green fluorescent protein to monitor and improve transfection in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2000, 111, 235-240.	0.5	32
69	Identification and Characterization of a Sialidase Released by the Salivary Gland of the Hematophagous Insect Triatoma infestans. Journal of Biological Chemistry, 1998, 273, 24575-24582.	1.6	31
70	Lytic Activity and Structural Differences of Amphipathic Peptides Derived from Trialysinâ€,â€¡. Biochemistry, 2006, 45, 1765-1774.	1.2	31
71	Probing the acceptor substrate binding site of Trypanosoma cruzi trans-sialidase with systematically modified substrates and glycoside libraries. Organic and Biomolecular Chemistry, 2011, 9, 1653.	1.5	31
72	Sera from chronic Chagasic patients and rodents infected with Trypanosoma cruzi inhibit trans-sialidase by recognizing its amino-terminal and catalytic domain. Infection and Immunity, 1994, 62, 2973-2978.	1.0	31

#	Article	IF	Citations
73	Monoclonal antibodies reveal lamB antigenic determinants on both faces of the Escherichia coli outer membrane. Journal of Bacteriology, 1983, 155, 1382-1392.	1.0	31
74	Visual Genome-Wide RNAi Screening to Identify Human Host Factors Required for Trypanosoma cruzi Infection. PLoS ONE, 2011, 6, e19733.	1.1	30
75	Endosymbiosis in trypanosomatid protozoa: the bacterium division is controlled during the host cell cycle. Frontiers in Microbiology, 2015, 6, 520.	1.5	30
76	DNA polymerase beta from Trypanosoma cruzi is involved in kinetoplast DNA replication and repair of oxidative lesions. Molecular and Biochemical Parasitology, 2012, 183, 122-131.	0.5	29
77	Small-Subunit rRNA Processome Proteins Are Translationally Regulated during Differentiation of Trypanosoma cruzi. Eukaryotic Cell, 2007, 6, 337-345.	3.4	28
78	Biochemical studies with DNA polymerase Î² and DNA polymerase Î²-PAK of Trypanosoma cruzi suggest the involvement of these proteins in mitochondrial DNA maintenance. DNA Repair, 2008, 7, 1882-1892.	1.3	28
79	Organization of trans-sialidase genes in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 1996, 77, 115-125.	0.5	26
80	A kinetic and structural study of two-step aggregation and fusion of neutral phospholipid vesicles promoted by serum albumin at low pH. Chemistry and Physics of Lipids, 1981, 28, 165-180.	1.5	25
81	Identification of the telomere in Trypanosoma cruzi reveals highly heterogeneous telomere lengths in different parasite strains. Nucleic Acids Research, 1999, 27, 2451-2456.	6.5	25
82	Histone H1 is phosphorylated in non-replicating and infective forms of Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2002, 119, 265-271.	0.5	25
83	A short proregion of trialysin, a poreâ€forming protein of Triatomaâ€infestans salivary glands, controls activity by folding the Nâ€terminal lytic motif. FEBS Journal, 2008, 275, 994-1002.	2.2	25
84	Eukaryotic initiation factor 5A dephosphorylation is required for translational arrest in stationary phase cells. Biochemical Journal, 2013, 451, 257-267.	1.7	25
85	Secreted Trypanosome Cyclophilin Inactivates Lytic Insect Defense Peptides and Induces Parasite Calcineurin Activation and Infectivity. Journal of Biological Chemistry, 2013, 288, 8772-8784.	1.6	25
86	Chemogenetic Characterization of Inositol Phosphate Metabolic Pathway Reveals Druggable Enzymes for Targeting Kinetoplastid Parasites. Cell Chemical Biology, 2016, 23, 608-617.	2.5	25
87	Hydrolase and sialyltransferase activities of Trypanosoma cruzi trans -sialidase towards NeuAc-Î±-2,3-Gal-Î²- O -PNP. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 141-144.	1.0	24
88	Chemical Constituents of Anacardium occidentale as Inhibitors of Trypanosoma cruzi Sirtuins. Molecules, 2019, 24, 1299.	1.7	24
89	Biological role of Trypanosoma cruzi trans-sialidase. Biochemical Society Transactions, 1999, 27, 516-518.	1.6	23
90	Click chemistry oligomerisation of azido-alkyne-functionalised galactose accesses triazole-linked linear oligomers and macrocycles that inhibit Trypanosoma cruzi macrophage invasion. Tetrahedron, 2015, 71, 7344-7353.	1.0	23

#	Article	IF	Citations
91	Expression of non-acetylatable lysines 10 and 14 of histone H4 impairs transcription and replication in Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2015, 204, 1-10.	0.5	23
92	The translational challenge in Chagas disease drug development. Memorias Do Instituto Oswaldo Cruz, 0, 117, .	0.8	21
93	Expression inEscherichia coli of a gene coding for epitopes of a diagnostic antigen ofParacoccidioides brasiliensis. Experimental Mycology, 1989, 13, 223-230.	1.8	20
94	Enzyme-Linked Immunoassay Using Recombinant trans -Sialidase of Trypanosoma cruzi Can Be Employed for Monitoring of Patients with Chagas' Disease after Drug Treatment. Vaccine Journal, 2003, 10, 826-830.	3.2	20
95	Threeâ€dimensional reconstruction of Trypanosoma cruzi epimastigotes and organelle distribution along the cell division cycle. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 538-544.	1.1	20
96	Trypanosoma cruzi. Trends in Parasitology, 2020, 36, 404-405.	1.5	20
97	Trans-sialidase genes expressed in mammalian forms of Trypanosoma cruzi evolved from ancestor genes expressed in insect forms of the parasite. Journal of Molecular Evolution, 1995, 41, 120-31.	0.8	19
98	Observations on chemical and enzymatic approaches to Î±-2,3-sialylated octyl Î²-lactoside. Tetrahedron, 2002, 58, 3207-3216.	1.0	19
99	Histone H1 of Trypanosoma cruzi Is Concentrated in the Nucleolus Region and Disperses upon Phosphorylation during Progression to Mitosis. Eukaryotic Cell, 2008, 7, 560-568.	3.4	19
100	Trypanosoma cruziDNA replication includes the sequential recruitment of pre-replication and replication machineries close to nuclear periphery. Nucleus, 2011, 2, 136-145.	0.6	19
101	Differential effects of Î±-helical and Î²-hairpin antimicrobial peptides against Acanthamoeba castellanii. Parasitology, 2009, 136, 813-821.	0.7	18
102	Iron superoxide dismutases in eukaryotic pathogens: new insights from Apicomplexa andTrypanosomastructures. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 615-621.	0.4	18
103	Catalase expression impairs oxidative stress-mediated signalling inTrypanosoma cruzi. Parasitology, 2017, 144, 1498-1510.	0.7	18
104	Oxidative stress protection of Trypanosomes requires selenophosphate synthase. Molecular and Biochemical Parasitology, 2011, 180, 47-50.	0.5	17
105	Effect of lysine acetylation on the regulation of Trypanosoma brucei glycosomal aldolase activity. Biochemical Journal, 2020, 477, 1733-1744.	1.7	17
106	A sialidase activity in the midgut of the insect Triatoma infestans is responsible for the low levels of sialic acid in Trypanosoma cruzi growing in the insect vector. Glycobiology, 1995, 5, 625-631.	1.3	16
107	Synthesis of sialyloligosaccharides using the trans-sialidase from Trypanosoma cruzi: novel branched and di-sialylated products from digalactoside acceptors. Chemical Communications, 2000, , 1013-1014.	2.2	16
108	Biochemical characterization of a protein tyrosine phosphatase from Trypanosoma cruzi involved in metacyclogenesis and cell invasion. Biochemical and Biophysical Research Communications, 2011, 408, 427-431.	1.0	16

#	Article	IF	Citations
109	Chromatin modifications in trypanosomes due to stress. Cellular Microbiology, 2013, 15, 709-717.	1.1	15
110	Chromatin and nuclear organization in Trypanosoma cruzi. Future Microbiology, 2009, 4, 1065-1074.	1.0	14
111	Characterization of two different Asf1 histone chaperones with distinct cellular localizations and functions in Trypanosoma brucei. Nucleic Acids Research, 2014, 42, 2906-2918.	6.5	14
112	The in vivo and in vitro roles of Trypanosoma cruzi Rad51 in the repair of DNA double strand breaks and oxidative lesions. PLoS Neglected Tropical Diseases, 2018, 12, e0006875.	1.3	14
113	trans-Sialidase and Sialic Acid Accepters from Insect to Mammalian Stages of Trypanosoma cruzi. Experimental Parasitology, 1994, 79, 211-214.	0.5	13
114	Structural Characterization of the Cell Division Cycle inStrigomonas culicis, an Endosymbiont-Bearing Trypanosomatid. Microscopy and Microanalysis, 2014, 20, 228-237.	0.2	13
115	ORC1/CDC6 and MCM7 distinct associate with chromatin through Trypanosoma cruzi life cycle. Molecular and Biochemical Parasitology, 2014, 193, 110-113.	0.5	13
116	Specialising the parasite nucleus: Pores, lamins, chromatin, and diversity. PLoS Pathogens, 2017, 13, e1006170.	2.1	11
117	Characterization of the plasma glycosylphosphatidylinositol-specific phospholipase D (GPI-PLD). Cell Biology International Reports, 1991, 15, 875-882.	0.7	10
118	The Trypanosoma cruzi nucleic acid binding protein Tc38 presents changes in the intramitochondrial distribution during the cell cycle. BMC Microbiology, 2009, 9, 34.	1.3	10
119	Functional characterization of TcCYC2 cyclin from Trypanosoma cruzi. Experimental Parasitology, 2012, 132, 537-545.	0.5	10
120	Stress Induces Release of Extracellular Vesicles by Trypanosoma cruzi Trypomastigotes. Journal of Immunology Research, 2021, 2021, 1-12.	0.9	10
121	Oral Exposure to Phytomonas serpens Attenuates Thrombocytopenia and Leukopenia during Acute Infection with Trypanosoma cruzi. PLoS ONE, 2013, 8, e68299.	1.1	10
122	Characterization of anti-silencing factor 1 in Leishmania major. Memorias Do Instituto Oswaldo Cruz, 2012, 107, 377-386.	0.8	9
123	Effect of ionizing radiation exposure on Trypanosoma cruzi ubiquitin-proteasome system. Molecular and Biochemical Parasitology, 2017, 212, 55-67.	0.5	9
124	Nuclear Structure of Trypanosoma cruzi. Advances in Parasitology, 2011, 75, 251-283.	1.4	8
125	Phosphorylation of eIF2Î± on Threonine 169 is not required for Trypanosoma brucei cell cycle arrest during differentiation. Molecular and Biochemical Parasitology, 2016, 205, 16-21.	0.5	8
126	Deregulation of Ikaros expression in B-1 cells: New insights in the malignant transformation to chronic lymphocytic leukemia. Journal of Leukocyte Biology, 2019, 106, 581-594.	1.5	8

#	Article	IF	Citations
127	Novel structural CYP51 mutation in Trypanosoma cruzi associated with multidrug resistance to CYP51 inhibitors and reduced infectivity. International Journal for Parasitology: Drugs and Drug Resistance, 2020, 13, 107-120.	1.4	8
128	Identification of Inhibitors to Trypanosoma cruzi Sirtuins Based on Compounds Developed to Human Enzymes. International Journal of Molecular Sciences, 2020, 21, 3659.	1.8	8
129	GCN2-Like Kinase Modulates Stress Granule Formation During Nutritional Stress in Trypanosoma cruzi. Frontiers in Cellular and Infection Microbiology, 2020, 10, 149.	1.8	8
130	Disruption of Active Trans-Sialidase Genes Impairs Egress from Mammalian Host Cells and Generates Highly Attenuated Trypanosoma cruzi Parasites. MBio, 2022, 13, e0347821.	1.8	8
131	Identification of an atypical peptidyl-prolyl cis/trans isomerase from trypanosomatids. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 1028-1037.	1.9	6
132	Stress Induces Changes in the Phosphorylation of Trypanosoma cruzi RNA Polymerase II, Affecting Its Association with Chromatin and RNA Processing. Eukaryotic Cell, 2014, 13, 855-865.	3.4	6
133	Reduction of Tubulin Expression in Angomonas deanei by RNAi Modifies the Ultrastructure of the Trypanosomatid Protozoan and Impairs Division of Its Endosymbiotic Bacterium. Journal of Eukaryotic Microbiology, 2016, 63, 794-803.	0.8	6
134	Characterization of TcCYC6 from Trypanosoma cruzi, a gene with homology to mitotic cyclins. Parasitology International, 2016, 65, 196-204.	0.6	6
135	Trimethylation of histone H3K76 by Dot1B enhances cell cycle progression after mitosis in Trypanosoma cruzi. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118694.	1.9	6
136	Trypanosoma cruzi: mechanisms of cell-invasion and intracellular survival. Memorias Do Instituto Oswaldo Cruz, 1988, 83, 452-455.	0.8	6
137	American trypanosomiasis. Current Opinion in Infectious Diseases, 1997, 10, 351-356.	1.3	5
138	Infestin 1R, an intestinal subtilisin inhibitor from Triatoma infestans able to impair mammalian cell invasion by Trypanosoma cruzi. Experimental Parasitology, 2011, 129, 362-367.	0.5	5
139	Induction of proinflammatory cytokines and nitric oxide by Trypanosoma cruzi in renal cells. Parasitology Research, 2011, 109, 483-491.	0.6	5
140	A Novel Monoclonal Antibody Against the C-terminus of β-Tubulin Recognizes Endocytic Organelles in Trypanosoma cruzi. Protein and Peptide Letters, 2012, 19, 636-643.	0.4	5
141	Identification of di-substituted ureas that prevent growth of trypanosomes through inhibition of translation initiation. Scientific Reports, 2018, 8, 4857.	1.6	5
142	<scp>EIF2Î±</scp>phosphorylation is regulated in intracellular amastigotes for the generation of infectiveTrypanosoma cruzitrypomastigote forms. Cellular Microbiology, 2020, 22, e13243.	1.1	5
143	Cyclophilin 19 secreted in the host cell cytosol byTrypanosoma cruzipromotes<scp>ROS</scp>production required for parasite growth. Cellular Microbiology, 2021, 23, e13295.	1.1	5
144	Cell homeostasis in a Leishmania major mutant overexpressing the spliced leader RNA is maintained by an increased proteolytic activity. International Journal of Biochemistry and Cell Biology, 2010, 42, 1661-1671.	1.2	4

#	Article	IF	Citations
145	Trypanosomatid <scp>P</scp>in1â€Type Peptidylâ€Prolyl Isomerase Is Cytosolic and Not Essential for Cell Proliferation. Journal of Eukaryotic Microbiology, 2013, 60, 101-105.	0.8	4
146	Ikaros could be a key factor in the maintenance of â€œB-sideâ€•of B-1 cells. Immunobiology, 2015, 220, 1232-1239.	0.8	4
147	Characterization and role of the 3-methylglutaconyl coenzyme A hidratase in Trypanosoma brucei. Molecular and Biochemical Parasitology, 2017, 214, 36-46.	0.5	4
148	The biological role of Trypanosoma cruzi trans-sialidase. Biochemical Society Transactions, 1999, 27, A86-A86.	1.6	3
149	The largest subunit of the RNA polymerase II of Trypanosoma cruzi lacks the repeats in the carboxy-terminal domain and is encoded by several genes. Parasitology International, 2003, 52, 243-249.	0.6	3
150	Divalent metal requirements for catalysis and stability of the RNA triphosphatase from Trypanosoma cruzi. Molecular and Biochemical Parasitology, 2006, 150, 83-95.	0.5	3
151	Beta-adrenergic antagonist propranolol inhibits mammalian cell lysosome spreading and invasion by Trypanosoma cruzi metacyclic forms. Microbes and Infection, 2017, 19, 295-301.	1.0	3
152	Galactosyl and sialyl clusters: synthesis and evaluation against T. cruzi parasite. Pure and Applied Chemistry, 2019, 91, 1191-1207.	0.9	3
153	The structural molecular biology network of the State of SÃ£o Paulo, Brazil. Anais Da Academia Brasileira De Ciencias, 2006, 78, 241-253.	0.3	3
154	Mitochondrial Sirtuin TcSir2rp3 Affects TcSODA Activity and Oxidative Stress Response in Trypanosoma cruzi. Frontiers in Cellular and Infection Microbiology, 2021, 11, 773410.	1.8	3
155	Locating peptides generated by limited proteolysis in known protein sequences by means of computer search. Biochemical and Biophysical Research Communications, 1984, 125, 926-930.	1.0	1
156	Response to Horn: Introducing histone modifications in trypanosomes. Trends in Parasitology, 2007, 23, 242-243.	1.5	1
157	Identification of C3 Acceptors Responsible for Complement Activation inCrithidia fasciculata1. Journal of Protozoology, 1988, 35, 475-480.	0.9	0
158	Development of a high through-put spectrophotometric assay to monitor Trypanosoma cruzi trans-sialidase. Biochemical Society Transactions, 1997, 25, 424S-424S.	1.6	0
159	Highlights of the XXI annual meeting of the Brazilian Society of Protozoology, the XXXII annual meeting on Basic Research in Chagas' disease & an international symposium on vesicle trafficking in parasitic Protozoa â€“ 7 to 9 November 2005, Caxambu, Minas Gerais, Brazil. Parasites and Vectors, 2006, 5, 4.	1.9	0
160	How to invade, replicate, and escape from host organisms. A challenge inÂdefining virulence factors for parasites. Microbes and Infection, 2012, 14, 1374-1376.	1.0	0
161	A message from the Editor. Cell Biology International, 2015, 39, 2-2.	1.4	0
162	Silent Information Regulator 2 from Trypanosoma cruzi Is a Potential Target to Infection Control. , 2018, , .		0

#	Article	IF	Citations
163	Overexpression of eukaryotic initiation factor 5A (eIF5A) affects susceptibility to benznidazole in Trypanosoma cruzi populations. Memorias Do Instituto Oswaldo Cruz, 2018, 113, e180162.	0.8	0
164	CHARACTERIZATION OF THE PLASMA GLYCOSYLPHOSPHATIDYLINOSITOL-SPECIFIC PHOSPHOLIPASE D (GPI-PLD). , 1992, , 132-139.		0