

Fred R Opperdoes

List of Publications by Year in descending order

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209
papers

14,049
citations

14655

66
h-index

24982

109
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212
all docs

212
docs citations

212
times ranked

7699
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome of the African Trypanosome <i>Trypanosoma brucei</i> . <i>Science</i> , 2005, 309, 416-422.	12.6	1,496
2	Localization of nine glycolytic enzymes in a microbody-like organelle in <i>Trypanosoma brucei</i> : The glycosome. <i>FEBS Letters</i> , 1977, 80, 360-364.	2.8	585
3	Compartmentation of Carbohydrate Metabolism in Trypanosomes. <i>Annual Review of Microbiology</i> , 1987, 41, 127-151.	7.3	479
4	The <i>Trypanosoma cruzi</i> Proteome. <i>Science</i> , 2005, 309, 473-476.	12.6	383
5	Retooling <i>Leishmania</i> metabolism: from sand fly gut to human macrophage. <i>FASEB Journal</i> , 2008, 22, 590-602.	0.5	248
6	Receptor-Mediated Endocytosis in the Bloodstream Form of <i>Trypanosoma brucei</i> 1. <i>Journal of Protozoology</i> , 1987, 34, 465-473.	0.8	230
7	Glycolytic enzymes of <i>Trypanosoma brucei</i> . Simultaneous purification, intraglycosomal concentrations and physical properties. <i>FEBS Journal</i> , 1986, 157, 441-453.	0.2	211
8	Purification, morphometric analysis, and characterization of the glycosomes (microbodies) of the protozoan hemoflagellate <i>Trypanosoma brucei</i> .. <i>Journal of Cell Biology</i> , 1984, 98, 1178-1184.	5.2	202
9	Plant-like traits associated with metabolism of <i>Trypanosoma</i> parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 1067-1071.	7.1	195
10	Glycolysis in Bloodstream Form <i>Trypanosoma brucei</i> Can Be Understood in Terms of the Kinetics of the Glycolytic Enzymes. <i>Journal of Biological Chemistry</i> , 1997, 272, 3207-3215.	3.4	194
11	Glycolysis as a target for the design of new anti-trypanosome drugs. <i>Drug Resistance Updates</i> , 2001, 4, 50-65.	14.4	192
12	Receptors for the host low density lipoproteins on the hemoflagellate <i>Trypanosoma brucei</i> : purification and involvement in the growth of the parasite.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 6753-6757.	7.1	169
13	Metabolism of <i>Leishmania</i> : proven and predicted. <i>Trends in Parasitology</i> , 2007, 23, 149-158.	3.3	160
14	What Controls Glycolysis in Bloodstream Form <i>Trypanosoma brucei</i> ?. <i>Journal of Biological Chemistry</i> , 1999, 274, 14551-14559.	3.4	159
15	Evolution of energy metabolism and its compartmentation in Kinetoplastida. <i>Parasites and Vectors</i> , 2003, 2, 11.	1.9	153
16	Natural products active against African trypanosomes: a step towards new drugs. <i>Natural Product Reports</i> , 2004, 21, 353.	10.3	146
17	Experimental and in Silico Analyses of Glycolytic Flux Control in Bloodstream Form <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 28306-28315.	3.4	141
18	The occurrence of glycosomes (microbodies) in the promastigote stage of four major <i>Leishmania</i> species. <i>Molecular and Biochemical Parasitology</i> , 1984, 13, 159-172.	1.1	139

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19	In silico prediction of the glycosomal enzymes of <i>Leishmania major</i> and trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 2006, 147, 193-206.	1.1	138
20	Subcellular Fractionation of <i>Trypanosoma brucei</i> Bloodstream Forms with Special Reference to Hydrolases. <i>FEBS Journal</i> , 1980, 105, 163-175.	0.2	133
21	Ether ^o lipid (alkyl-phospholipid) metabolism and the mechanism of action of ether ^o lipid analogues in <i>Leishmania</i> . <i>Molecular and Biochemical Parasitology</i> , 2000, 111, 1-14.	1.1	132
22	Trypanosomatidae produce acetate via a mitochondrial acetate:succinate CoA transferase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3036-3041.	7.1	129
23	Structure-based design of submicromolar, biologically active inhibitors of trypanosomatid glyceraldehyde-3-phosphate dehydrogenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 4273-4278.	7.1	125
24	Localization of Glycerol-3-Phosphate Oxidase in the Mitochondrion and Particulate NAD ⁺ -Linked Glycerol-3-Phosphate Dehydrogenase in the Microbodies of the Bloodstream Form of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1977, 76, 29-39.	0.2	124
25	Simultaneous purification of hexokinase, class-I fructose-bisphosphate aldolase, triosephosphate isomerase and phosphoglycerate kinase from <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1984, 144, 475-483.	0.2	123
26	Recent advances in trypanosomatid research: genome organization, expression, metabolism, taxonomy and evolution. <i>Parasitology</i> , 2019, 146, 1-27.	1.5	121
27	Glycolysis in <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1980, 103, 623-632.	0.2	120
28	New approach to screening drugs for activity against African trypanosomes. <i>Nature</i> , 1977, 265, 270-271.	27.8	106
29	BIOCHEMICAL PECULIARITIES OF TRYPANOSOMES, AFRICAN AND SOUTH AMERICAN. <i>British Medical Bulletin</i> , 1985, 41, 130-136.	6.9	102
30	Subcellular Compartmentation of Glycolytic Intermediates in <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1981, 118, 521-526.	0.2	101
31	Metabolic control analysis of glycolysis in trypanosomes as an approach to improve selectivity and effectiveness of drugs. <i>Molecular and Biochemical Parasitology</i> , 2000, 106, 1-10.	1.1	101
32	Characterization of the <i>ysa</i> Pathogenicity Locus in the Chromosome of <i>Yersinia enterocolitica</i> and Phylogeny Analysis of Type III Secretion Systems. <i>Journal of Molecular Evolution</i> , 2002, 55, 37-51.	1.8	101
33	New Functions for Parts of the Krebs Cycle in Procyclic <i>Trypanosoma brucei</i> , a Cycle Not Operating as a Cycle. <i>Journal of Biological Chemistry</i> , 2005, 280, 12451-12460.	3.4	101
34	A comparison of the glycosomes (microbodies) isolated from <i>Trypanosoma brucei</i> bloodstream form and cultured procyclic trypomastigotes. <i>Molecular and Biochemical Parasitology</i> , 1984, 12, 25-35.	1.1	99
35	Characterization of carbohydrate metabolism and demonstration of glycosomes in a <i>Phytomonas</i> sp. isolated from <i>Euphorbia characias</i> . <i>Molecular and Biochemical Parasitology</i> , 1992, 54, 185-199.	1.1	99
36	Glucosephosphate isomerase from <i>Trypanosoma brucei</i> . Cloning and characterization of the gene and analysis of the enzyme. <i>FEBS Journal</i> , 1989, 184, 455-464.	0.2	98

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37	Effects of Antimycin, Glucose Deprivation, and Serum on Cultures of Neurons, Astrocytes, and Neuroblastoma Cells. <i>Journal of Neurochemistry</i> , 1985, 44, 143-148.	3.9	96
38	<i>Leptomonas seymouri</i> : Adaptations to the Dixenous Life Cycle Analyzed by Genome Sequencing, Transcriptome Profiling and Co-infection with <i>Leishmania donovani</i> . <i>PLoS Pathogens</i> , 2015, 11, e1005127.	4.7	96
39	Particle-Bound Enzymes in the Bloodstream Form of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1977, 76, 21-28.	0.2	94
40	Contribution of glucose transport to the control of the glycolytic flux in <i>Trypanosoma brucei</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 10098-10103.	7.1	94
41	Localization of malate dehydrogenase, adenylate kinase and glycolytic enzymes in glycosomes and the threonine pathway in the mitochondrion of cultured procyclic trypomastigotes of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1981, 4, 291-309.	1.1	93
42	Kinetic properties of triose-phosphate isomerase from <i>Trypanosoma brucei brucei</i> . A comparison with the rabbit muscle and yeast enzymes. <i>FEBS Journal</i> , 1987, 168, 69-74.	0.2	93
43	NMR Spectroscopic Analysis of the First Two Steps of the Pentose-Phosphate Pathway Elucidates the Role of 6-Phosphogluconolactonase. <i>Journal of Biological Chemistry</i> , 2001, 276, 34840-34846.	3.4	90
44	Differential expression of glycosomal and mitochondrial proteins in the two major life-cycle stages of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2008, 158, 189-201.	1.1	90
45	Alkaloids from <i>Cassytha filiformis</i> and Related Aporphines: Antitrypanosomal Activity, Cytotoxicity, and Interaction with DNA and Topoisomerases. <i>Planta Medica</i> , 2004, 70, 407-413.	1.3	88
46	Stimulation of <i>Trypanosoma brucei</i> pyruvate kinase by fructose 2,6-bisphosphate. <i>FEBS Journal</i> , 1985, 153, 403-406.	0.2	87
47	Comparative Metabolism of Free-living <i>Bodo saltans</i> and Parasitic Trypanosomatids. <i>Journal of Eukaryotic Microbiology</i> , 2016, 63, 657-678.	1.7	86
48	The crystal structure of the "open" and the "closed" conformation of the flexible loop of trypanosomal triosephosphate isomerase. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991, 10, 33-49.	2.6	85
49	The potential use of inhibitors of glycerol-3-phosphate oxidase for chemotherapy of African trypanosomiasis. <i>FEBS Letters</i> , 1976, 62, 169-172.	2.8	84
50	Genetic nomenclature for <i>Trypanosoma</i> and <i>Leishmania</i> . <i>Molecular and Biochemical Parasitology</i> , 1998, 97, 221-224.	1.1	83
51	In vitro antitrypanosomal activity of ethnopharmacologically selected Beninese plants. <i>Journal of Ethnopharmacology</i> , 2004, 91, 37-42.	4.1	83
52	The cytosolic and glycosomal isoenzymes of glyceraldehyde-3-phosphate dehydrogenase in <i>Trypanosoma brucei</i> have a distant evolutionary relationship. <i>FEBS Journal</i> , 1991, 198, 421-428.	0.2	80
53	Antitrypanosomal Activity of Triterpenoids and Sterols from the Leaves of <i>Strychnos spinosa</i> and Related Compounds. <i>Journal of Natural Products</i> , 2007, 70, 1360-1363.	3.0	79
54	Carbohydrate Metabolism in African Trypanosomes, with Special Reference to the Glycosome. , 1986, , 183-224.		79

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55	Localization of the initial steps in alkoxyphospholipid biosynthesis in glycosomes (microbodies) of <i>Trypanosoma brucei</i> . <i>FEBS Letters</i> , 1984, 169, 35-39.	2.8	78
56	The phosphoglycerate kinases from <i>Trypanosoma brucei</i> . A comparison of the glycosomal and the cytosolic isoenzymes and their sensitivity towards Suramin. <i>FEBS Journal</i> , 1987, 162, 493-500.	0.2	77
57	The adaptability of the active site of trypanosomal triosephosphate isomerase as observed in the crystal structures of three different complexes. <i>Proteins: Structure, Function and Bioinformatics</i> , 1991, 10, 50-69.	2.6	77
58	Molecular Characterization of the First Two Enzymes of the Pentose-phosphate Pathway of <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 27559-27565.	3.4	77
59	Selective Inhibition of Trypanosomal Glyceraldehyde-3-phosphate Dehydrogenase by Protein Structure-Based Design: Toward New Drugs for the Treatment of Sleeping Sickness. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 3605-3613.	6.4	75
60	The presence of four iron-containing superoxide dismutase isozymes in Trypanosomatidae: Characterization, subcellular localization, and phylogenetic origin in <i>Trypanosoma brucei</i> . <i>Free Radical Biology and Medicine</i> , 2006, 40, 210-225.	2.9	74
61	Genome of <i>Leptomonas pyrrocoris</i> : a high-quality reference for monoxenous trypanosomatids and new insights into evolution of <i>Leishmania</i> . <i>Scientific Reports</i> , 2016, 6, 23704.	3.3	74
62	Glycosomes may provide clues to the import of peroxisomal proteins. <i>Trends in Biochemical Sciences</i> , 1988, 13, 255-260.	7.5	72
63	The cytosolic and glycosomal glyceraldehyde-3-phosphate dehydrogenase from <i>Trypanosoma brucei</i> . Kinetic properties and comparison with homologous enzymes. <i>FEBS Journal</i> , 1991, 198, 429-435.	0.2	71
64	Complex I of Trypanosomatidae: does it exist?. <i>Trends in Parasitology</i> , 2008, 24, 310-317.	3.3	71
65	<i>Trypanosoma brucei</i> : An evaluation of salicylhydroxamic acid as a trypanocidal drug. <i>Experimental Parasitology</i> , 1976, 40, 198-205.	1.2	70
66	The uptake of the trypanocidal drug suramin in combination with low-density lipoproteins by <i>Trypanosoma brucei</i> and its possible mode of action. <i>Acta Tropica</i> , 1993, 54, 237-250.	2.0	70
67	Enzymes of carbohydrate metabolism as potential drug targets. <i>International Journal for Parasitology</i> , 2001, 31, 482-490.	3.1	70
68	Synthesis and activity of inhibitors highly specific for the glycolytic enzymes from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 59, 201-210.	1.1	68
69	The extraordinary mitochondrion and unusual citric acid cycle in <i>Trypanosoma brucei</i> . <i>Biochemical Society Transactions</i> , 2005, 33, 967.	3.4	67
70	A novel location for two enzymes of de novo pyrimidine biosynthesis in trypanosomes and <i>Leishmania</i> . <i>FEBS Letters</i> , 1981, 128, 27-29.	2.8	66
71	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
72	Perturbation of sterol biosynthesis by itraconazole and ketoconazole in <i>Leishmania mexicana mexicana</i> infected macrophages. <i>Molecular and Biochemical Parasitology</i> , 1989, 33, 123-134.	1.1	65

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73	Drug targeting with polyalkylcyanoacrylate nanoparticles: <i>in vitro</i> activity of primaquine-loaded nanoparticles against intracellular <i>Leishmania donovani</i> . <i>Annals of Tropical Medicine and Parasitology</i> , 1992, 86, 41-49.	1.6	65
74	Overexpression of trypanosomal triosephosphate isomerase in <i>Escherichia coli</i> and characterisation of a dimer-interface mutant. <i>FEBS Journal</i> , 1993, 211, 703-710.	0.2	64
75	Purification, localisation and characterisation of glucose-6-phosphate dehydrogenase of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1999, 99, 21-32.	1.1	64
76	Kinetic characterization, structure modelling studies and crystallization of <i>Trypanosoma brucei</i> enolase. <i>FEBS Journal</i> , 2003, 270, 3205-3213.	0.2	64
77	Involvement of the glycosome of <i>trypanosoma brucei</i> in carbon dioxide fixation. <i>FEBS Letters</i> , 1982, 143, 60-64.	2.8	62
78	Molecular cloning and analysis of two tandemly linked genes for pyruvate kinase of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1991, 200, 19-27.	0.2	59
79	Effects of various metabolic conditions and of the trivalent arsenical melarsen oxide on the intracellular levels of fructose 2,6-bisphosphate and of glycolytic intermediates in <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1987, 166, 653-661.	0.2	57
80	Macrophage activation by polymeric nanoparticles of polyalkylcyanoacrylates: activity against intracellular <i>Leishmania donovani</i> associated with hydrogen peroxide production. <i>Pharmaceutical Research</i> , 1992, 09, 782-787.	3.5	56
81	Comparative Aspects of Energy Metabolism in Plant Trypanosomatids. <i>Journal of Eukaryotic Microbiology</i> , 1997, 44, 523-529.	1.7	56
82	Molecular Identification of NAT8 as the Enzyme That Acetylates Cysteine S-Conjugates to Mercapturic Acids. <i>Journal of Biological Chemistry</i> , 2010, 285, 18888-18898.	3.4	56
83	Glyceraldehyde-phosphate dehydrogenase from <i>Trypanosoma brucei</i> . Comparison of the glycosomal and cytosolic isoenzymes. <i>FEBS Journal</i> , 1987, 162, 501-507.	0.2	55
84	Horizontal gene transfer in trypanosomatids. <i>Trends in Parasitology</i> , 2007, 23, 470-476.	3.3	54
85	Characterization of the genes for fructose-bisphosphate aldolase in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1988, 29, 65-75.	1.1	53
86	The Glycosomal ATP-Dependent Phosphofructokinase of <i>Trypanosoma Brucei</i> must have Evolved from an Ancestral Pyrophosphate-Dependent Enzyme. <i>FEBS Journal</i> , 1997, 250, 698-704.	0.2	53
87	Tissue Distribution and Evolution of Fructosamine 3-Kinase and Fructosamine 3-Kinase-related Protein. <i>Journal of Biological Chemistry</i> , 2004, 279, 46606-46613.	3.4	53
88	Molecular analysis of the cytosolic and glycosomal glyceraldehyde-3-phosphate dehydrogenase in <i>Leishmania mexicana</i> . <i>Molecular and Biochemical Parasitology</i> , 1992, 55, 115-126.	1.1	52
89	Inhibition of glyceraldehyde-3-phosphate dehydrogenase by phosphorylated epoxides and α -Enones. <i>Biochemistry</i> , 1994, 33, 214-220.	2.5	51
90	Molecular analysis of glyceraldehyde-3-phosphate dehydrogenase in <i>Trypanoplasma borelli</i> : An evolutionary scenario of subcellular compartmentation in Kinetoplastida. <i>Journal of Molecular Evolution</i> , 1995, 40, 443-454.	1.8	50

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91	A potential target enzyme for trypanocidal drugs revealed by the crystal structure of NAD-dependent glycerol-3-phosphate dehydrogenase from <i>Leishmania mexicana</i> . <i>Structure</i> , 2000, 8, 541-552.	3.3	50
92	Subcellular distribution of adenylate cyclase, cyclic-AMP phosphodiesterase, protein kinases and phosphoprotein phosphatase in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1982, 6, 287-295.	1.1	48
93	Role of acidic compartments in <i>Trypanosoma brucei</i> , with special reference to low-density lipoprotein processing. <i>Molecular and Biochemical Parasitology</i> , 1993, 58, 223-232.	1.1	48
94	Metabolic adaptations of <i>Leishmania donovani</i> in relation to differentiation, drug resistance, and drug pressure. <i>Molecular Microbiology</i> , 2013, 90, 428-442.	2.5	48
95	Evolution of metabolic capabilities and molecular features of diplomonads, kinetoplastids, and euglenids. <i>BMC Biology</i> , 2020, 18, 23.	3.8	48
96	Comparison and Evolutionary Analysis of the Glycosomal Glyceraldehyde-3-Phosphate Dehydrogenase from Different Kinetoplastida. <i>Journal of Molecular Evolution</i> , 1998, 47, 728-738.	1.8	47
97	Selective Inhibition of Trypanosomal Triosephosphate Isomerase by a Thiopeptide. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 328-330.	4.4	46
98	Molecular Identification of N-Acetylaspartylglutamate Synthase and $\hat{1}^2$ -Citrylglutamate Synthase. <i>Journal of Biological Chemistry</i> , 2010, 285, 29826-29833.	3.4	45
99	Demonstration of glycosomes (microbodies) in the bodonid flagellate <i>Trypanoplasma borelli</i> (protozoa, kinetoplastida). <i>Molecular and Biochemical Parasitology</i> , 1988, 30, 155-163.	1.1	44
100	Characterization of pyruvate kinase of <i>Trypanosoma brucei</i> and its role in the regulation of carbohydrate metabolism. <i>Molecular and Biochemical Parasitology</i> , 1991, 47, 19-29.	1.1	44
101	<i>Trypanosoma brucei</i> contains a 2,3-bisphosphoglycerate independent phosphoglycerate mutase. <i>FEBS Journal</i> , 2000, 267, 1464-1472.	0.2	44
102	The phospholipases of <i>Trypanosoma brucei</i> bloodstream forms and cultured procyclics. <i>Molecular and Biochemical Parasitology</i> , 1982, 5, 309-319.	1.1	43
103	Aerobic and anaerobic glucose metabolism of <i>Phytomonas</i> sp. isolated from <i>Euphorbia characias</i> . <i>Molecular and Biochemical Parasitology</i> , 1994, 67, 321-331.	1.1	43
104	<i>Trypanosoma brucei</i> : Trypanocidal effect of salicylhydroxamic acid plus glycerol in infected rats. <i>Experimental Parasitology</i> , 1979, 48, 126-134.	1.2	42
105	A rapid method purifies a glycoprotein of Mr 145,000 as the LDL receptor of <i>Trypanosoma brucei</i> . <i>Biochemical and Biophysical Research Communications</i> , 1991, 178, 185-191.	2.1	42
106	The glycosomes of the Kinetoplastida. <i>Biochimie</i> , 1993, 75, 231-234.	2.6	42
107	<i>Naegleria gruberi</i> metabolism. <i>International Journal for Parasitology</i> , 2011, 41, 915-924.	3.1	42
108	The dihydroxyacetonephosphate pathway for biosynthesis of ether lipids in <i>Leishmania mexicana</i> promastigotes. <i>Molecular and Biochemical Parasitology</i> , 1997, 89, 61-72.	1.1	41

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109	Subcellular localisation of dihydrolipoamide dehydrogenase and detection of lipoic acid in bloodstream forms of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 1990, 193, 91-95.	0.2	40
110	Subcellular distribution of trypanothione reductase in bloodstream and procyclic forms of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1991, 48, 109-112.	1.1	40
111	The evolutionary origin of glycosomes. <i>Parasitology Today</i> , 1991, 7, 105-109.	3.0	39
112	Glycerol kinase of <i>Trypanosoma brucei</i> . <i>FEBS Journal</i> , 2000, 267, 2323-2333.	0.2	39
113	Interaction of substituted hexose analogues with the <i>Trypanosoma brucei</i> hexose transporter. <i>Biochemical Pharmacology</i> , 2004, 67, 459-467.	4.4	39
114	Cloning and analysis of the PTS-1 receptor in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1999, 104, 107-119.	1.1	36
115	Inhibition of the glycolytic enzymes in the trypanosome: An approach in the development of new leads in the therapy of parasitic diseases. , 1993, 60, 347-365.		35
116	Pyruvate kinase of <i>Leishmania mexicana mexicana</i> Cloning and analysis of the gene, overexpression in <i>Escherichia coli</i> and characterization of the enzyme. <i>Molecular and Biochemical Parasitology</i> , 1994, 64, 43-54.	1.1	35
117	Triose-phosphate isomerase of <i>Leishmania mexicana mexicana</i> Cloning and characterization of the gene, overexpression in <i>Escherichia coli</i> and analysis of the protein. <i>FEBS Journal</i> , 1994, 220, 331-338.	0.2	35
118	TrypanoCyc: a community-led biochemical pathways database for <i>Trypanosoma brucei</i> . <i>Nucleic Acids Research</i> , 2015, 43, D637-D644.	14.5	35
119	An Mr 145000 low-density lipoprotein (LDL)-binding protein is conserved throughout the Kinetoplastida order. <i>Molecular and Biochemical Parasitology</i> , 1996, 76, 43-56.	1.1	34
120	Identification of 2-enoyl coenzyme A hydratase and NADP ⁺ -dependent 3-hydroxyacyl-CoA dehydrogenase activity in glycosomes of procyclic <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1996, 82, 107-111.	1.1	34
121	Biochemical characterization of stage-specific isoforms of aspartate aminotransferases from <i>Trypanosoma cruzi</i> and <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2008, 161, 12-20.	1.1	34
122	Sequencing, Modeling, and Selective Inhibition of <i>Trypanosoma brucei</i> Hexokinase. <i>Chemistry and Biology</i> , 2002, 9, 839-847.	6.0	31
123	Molecular mechanisms of thermal resistance of the insect trypanosomatid <i>Crithidia thermophila</i> . <i>PLoS ONE</i> , 2017, 12, e0174165.	2.5	31
124	Structure of the complex between trypanosomal triosephosphate isomerase and 4-hydroxybutanamide: Binding at the active site despite an open flexible loop conformation. <i>Protein Science</i> , 1992, 1, 1578-1584.	7.6	30
125	Organization, sequence and stage-specific expression of the phosphoglycerate kinase genes of <i>Leishmania mexicana mexicana</i> Note: Nucleotide sequence data reported in this paper are available in the EMBL, GenBank, and DDJB data bases under the accession numbers X98486 (PCKB) and X98487 (PGKC)1. <i>Molecular and Biochemical Parasitology</i> , 1997, 90, 155-168.	1.1	30
126	Pyruvate transport across the plasma membrane of the bloodstream form of <i>Trypanosoma brucei</i> is mediated by a facilitated diffusion carrier. <i>Biochemical and Biophysical Research Communications</i> , 1992, 184, 1028-1034.	2.1	28

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127	Uptake and turnover of glucose in <i>Leishmania donovani</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 60, 313-321.	1.1	28
128	Molecular analysis of phosphoglycerate kinase in <i>Trypanoplasma borreli</i> and the evolution of this enzyme in Kinetoplastida. <i>Gene</i> , 1998, 217, 91-99.	2.2	28
129	Localization of hydrolases in cultured procyclic trypomastigotes of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1981, 4, 311-323.	1.1	27
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