

Marilyn Parsons

List of Publications by Year in descending order

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99
papers

5,637
citations

94433

37
h-index

82547

72
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102
all docs

102
docs citations

102
times ranked

4200
citing authors

#	ARTICLE	IF	CITATIONS
1	The Genome Sequence of <i>Trypanosoma cruzi</i> , Etiologic Agent of Chagas Disease. <i>Science</i> , 2005, 309, 409-415.	12.6	1,273
2	Comparative analysis of the kinomes of three pathogenic trypanosomatids: <i>Leishmania major</i> , <i>Trypanosoma brucei</i> and <i>Trypanosoma cruzi</i> . <i>BMC Genomics</i> , 2005, 6, 127.	2.8	310
3	Protein kinases as drug targets in trypanosomes and <i>Leishmania</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005, 1754, 151-159.	2.3	196
4	<i>Toxoplasma gondii</i> calcium-dependent protein kinase 1 is a target for selective kinase inhibitors. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 602-607.	8.2	172
5	Trypanosome mRNAs share a common 5' spliced leader sequence. <i>Cell</i> , 1984, 38, 309-316.	28.9	159
6	Sequences homologous to the variant antigen mRNA spliced leader are located in tandem repeats and variable orphans in <i>Trypanosoma brucei</i> . <i>Cell</i> , 1983, 34, 901-909.	28.9	151
7	Widespread variation in transcript abundance within and across developmental stages of <i>Trypanosoma brucei</i> . <i>BMC Genomics</i> , 2009, 10, 482.	2.8	126
8	Compartmentation prevents a lethal turbo-explosion of glycolysis in trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17718-17723.	7.1	123
9	Extensive stage-regulation of translation revealed by ribosome profiling of <i>Trypanosoma brucei</i> . <i>BMC Genomics</i> , 2014, 15, 911.	2.8	121
10	Glucose is toxic to glycosome-deficient trypanosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 14177-14182.	7.1	114
11	Biogenesis and function of peroxisomes and glycosomes. <i>Molecular and Biochemical Parasitology</i> , 2001, 115, 19-28.	1.1	109
12	Development of <i>Toxoplasma gondii</i> Calcium-Dependent Protein Kinase 1 (<i>Tg</i> CDPK1) Inhibitors with Potent Anti- <i>Toxoplasma</i> Activity. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2416-2426.	6.4	101
13	A Thioredoxin Family Protein of the Apicoplast Periphery Identifies Abundant Candidate Transport Vesicles in <i>Toxoplasma gondii</i> . <i>Eukaryotic Cell</i> , 2008, 7, 1518-1529.	3.4	88
14	Genetic nomenclature for <i>Trypanosoma</i> and <i>Leishmania</i> . <i>Molecular and Biochemical Parasitology</i> , 1998, 97, 221-224.	1.1	83
15	Pathways Involved in Environmental Sensing in Trypanosomatids. <i>Parasitology Today</i> , 2000, 16, 56-62.	3.0	83
16	Glycosomes: parasites and the divergence of peroxisomal purpose. <i>Molecular Microbiology</i> , 2004, 53, 717-724.	2.5	83
17	The NOG1 GTP-binding Protein Is Required for Biogenesis of the 60 S Ribosomal Subunit. <i>Journal of Biological Chemistry</i> , 2003, 278, 32204-32211.	3.4	81
18	Development of an Orally Available and Central Nervous System (CNS) Penetrant <i>Toxoplasma gondii</i> Calcium-Dependent Protein Kinase 1 (<i>Tg</i> CDPK1) Inhibitor with Minimal Human Ether-a-go-go-Related Gene (hERG) Activity for the Treatment of <i>Toxoplasmosis</i> . <i>Journal of Medicinal Chemistry</i> , 2016, 59, 6531-6546.	6.4	81

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19	Sequences homologous to variant antigen mRNA spliced leader in Trypanosomatidae which do not undergo antigenic variation. <i>Nature</i> , 1984, 308, 665-667.	27.8	74
20	Extended-spectrum antiprotozoal bumped kinase inhibitors: A review. <i>Experimental Parasitology</i> , 2017, 180, 71-83.	1.2	71
21	Cell cycle-regulated vesicular trafficking of <i>Toxoplasma</i> APT1, a protein localized to multiple apicoplast membranes. <i>Molecular Microbiology</i> , 2007, 63, 1653-1668.	2.5	70
22	Distinct patterns of tyrosine phosphorylation during the life cycle of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1991, 45, 241-248.	1.1	67
23	Dissection of brefeldin A-sensitive and -insensitive steps in apicoplast protein targeting. <i>Journal of Cell Science</i> , 2005, 118, 565-574.	2.0	65
24	Characterization of protein kinase CK2 from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 2007, 151, 28-40.	1.1	62
25	Molecular characterization of initial variants from the IsTat I serodeme of <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1983, 9, 241-254.	1.1	61
26	<i>Leishmania</i> gp63 molecule implicated in cellular adhesion lacks an Arg-Gly-Asp sequence. <i>Molecular and Biochemical Parasitology</i> , 1990, 39, 267-274.	1.1	57
27	Changes in polysome profiles accompany trypanosome development. <i>Molecular and Biochemical Parasitology</i> , 1998, 97, 189-198.	1.1	57
28	Integrative analysis of the <i>Trypanosoma brucei</i> gene expression cascade predicts differential regulation of mRNA processing and unusual control of ribosomal protein expression. <i>BMC Genomics</i> , 2016, 17, 306.	2.8	50
29	A Membrane Protease is Targeted to the Relict Plastid of <i>Toxoplasma</i> via an Internal Signal Sequence. <i>Traffic</i> , 2007, 8, 1543-1553.	2.7	49
30	Potent and Selective Inhibitors of CDPK1 from <i>T. gondii</i> and <i>C. parvum</i> Based on a 5-Aminopyrazole-4-carboxamide Scaffold. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 40-44.	2.8	49
31	Antigenic variation in African trypanosomes: DNA rearrangements program immune evasion. <i>Trends in Immunology</i> , 1984, 5, 43-50.	7.5	48
32	Enigmatic Presence of Mitochondrial Complex I in <i>Trypanosoma brucei</i> Bloodstream Forms. <i>Eukaryotic Cell</i> , 2012, 11, 183-193.	3.4	47
33	Probing the Role of Compartmentation of Glycolysis in Procyclic Form <i>Trypanosoma brucei</i> . <i>Journal of Biological Chemistry</i> , 2005, 280, 9030-9036.	3.4	45
34	A <i>Trypanosoma brucei</i> gene family encoding protein kinases with catalytic domains structurally related to Nek1 and NIMA. <i>Molecular and Biochemical Parasitology</i> , 1993, 59, 111-121.	1.1	44
35	Benzoylbenzimidazole-based selective inhibitors targeting <i>Cryptosporidium parvum</i> and <i>Toxoplasma gondii</i> calcium-dependent protein kinase-1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5264-5267.	2.2	43
36	Developmental regulation of pp44/46, tyrosine-phosphorylated proteins associated with tyrosine/serine kinase activity in <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1994, 63, 69-78.	1.1	40

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37	Two essential Thioredoxins mediate apicoplast biogenesis, protein import, and gene expression in <i>Toxoplasma gondii</i> . <i>PLoS Pathogens</i> , 2018, 14, e1006836.	4.7	40
38	Genetic characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. <i>Immunogenetics</i> , 1983, 18, 311-321.	2.4	38
39	Genomic organization of <i>Trypanosoma brucei</i> variant antigen gene families in sequential parasitemias. <i>Molecular and Biochemical Parasitology</i> , 1983, 9, 255-269.	1.1	37
40	Active transport of 2-deoxy-d-glucose in <i>Trypanosoma brucei</i> procyclic forms. <i>Molecular and Biochemical Parasitology</i> , 1990, 42, 197-203.	1.1	37
41	Identification of trypanosomatid PEX19: Functional characterization reveals impact on cell growth and glycosome size and number. <i>Molecular and Biochemical Parasitology</i> , 2005, 142, 47-55.	1.1	36
42	Protein Trafficking to the Apicoplast: Deciphering the Apicomplexan Solution to Secondary Endosymbiosis. <i>Eukaryotic Cell</i> , 2007, 6, 1081-1088.	3.4	36
43	Species Specificity in Ribosome Biogenesis: a Nonconserved Phosphoprotein Is Required for Formation of the Large Ribosomal Subunit in <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2005, 4, 30-35.	3.4	35
44	Elevated phosphoglycerate kinase mRNA but not protein in monomorphic <i>Trypanosoma brucei</i> : implications for stage-regulation and post-transcriptional control. <i>Molecular and Biochemical Parasitology</i> , 1989, 33, 215-227.	1.1	34
45	A Major Tyrosine-phosphorylated Protein of <i>Trypanosoma brucei</i> Is a Nucleolar RNA-binding Protein. <i>Journal of Biological Chemistry</i> , 1996, 271, 15675-15681.	3.4	34
46	A phosphoglycerate kinase-like molecule localized to glycosomal microbodies: evidence that the topogenic signal is not at the C-terminus. <i>Molecular and Biochemical Parasitology</i> , 1991, 46, 1-10.	1.1	33
47	The C-terminal tripeptide of glycosomal phosphoglycerate kinase is both necessary and sufficient for import into the glycosomes of <i>Trypanosoma brucei</i> . <i>FEBS Letters</i> , 1993, 316, 53-58.	2.8	32
48	SAR Studies of 5-Aminopyrazole-4-carboxamide Analogues as Potent and Selective Inhibitors of <i>Toxoplasma gondii</i> CDPK1. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 1184-1189.	2.8	32
49	A Novel Protein Kinase Localized to Lipid Droplets Is Required for Droplet Biogenesis in Trypanosomes. <i>Eukaryotic Cell</i> , 2010, 9, 1702-1710.	3.4	31
50	Sequential processing of the <i>Toxoplasma</i> apicoplast membrane protein FtsH1 in topologically distinct domains during intracellular trafficking. <i>Molecular and Biochemical Parasitology</i> , 2009, 166, 126-133.	1.1	30
51	Characterization of a divergent glycosomal microbody phosphoglycerate kinase from <i>Trypanosoma brucei</i> . <i>Molecular and Biochemical Parasitology</i> , 1993, 60, 265-272.	1.1	29
52	Structural characterization of mouse immunoglobulin allotypic determinants (allotopes) defined by monoclonal antibodies. <i>Immunogenetics</i> , 1983, 18, 323-334.	2.4	27
53	Trypanosome glycosomal protein P60 is homologous to phosphoenolpyruvate carboxykinase (ATP). <i>Nucleic Acids Research</i> , 1989, 17, 6411-6411.	14.5	27
54	Expression of a minichromosomal variant surface glycoprotein gene in <i>Trypanosoma brucei</i> . <i>Nature</i> , 1985, 313, 595-597.	27.8	26

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55	Characterization of a <i>Trypanosoma brucei</i> nuclear gene encoding a protein homologous to a subunit of bovine NADH:ubiquinone oxidoreductase (complex I). <i>Molecular and Biochemical Parasitology</i> , 1993, 58, 63-70.	1.1	26
56	Genetic Validation of Aminoacyl-tRNA Synthetases as Drug Targets in <i>Trypanosoma brucei</i> . <i>Eukaryotic Cell</i> , 2014, 13, 504-516.	3.4	26
57	<i>Trypanosoma brucei</i> : Identification of an Internal Region of Phosphoglycerate Kinase Required for Targeting to Glycosomal Microbodies. <i>Experimental Parasitology</i> , 1997, 85, 16-23.	1.2	25
58	<i>Trypanosoma brucei</i> : Two-dimensional gel analysis of the major glycosomal proteins during the life cycle. <i>Experimental Parasitology</i> , 1990, 70, 276-285.	1.2	24
59	Conservation of PEX19-Binding Motifs Required for Protein Targeting to Mammalian Peroxisomal and <i>Trypanosoma</i> Glycosomal Membranes. <i>Eukaryotic Cell</i> , 2007, 6, 1439-1449.	3.4	24
60	Diverse Effects on Mitochondrial and Nuclear Functions Elicited by Drugs and Genetic Knockdowns in Bloodstream Stage <i>Trypanosoma brucei</i> . <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e678.	3.0	24
61	Molecular cloning of <i>Trypanosoma brucei</i> CK2 catalytic subunits: the $\hat{\pm}$ isoform is nucleolar and phosphorylates the nucleolar protein Nopp44/46. <i>Molecular and Biochemical Parasitology</i> , 2002, 119, 97-106.	1.1	22
62	Selective inhibition of <i>Sarcocystis neurona</i> calcium-dependent protein kinase 1 for equine protozoal myeloencephalitis therapy. <i>International Journal for Parasitology</i> , 2016, 46, 871-880.	3.1	22
63	<i>Trypanosoma brucei</i> : Analysis of codon usage and nucleotide composition of nuclear genes. <i>Experimental Parasitology</i> , 1991, 73, 101-105.	1.2	21
64	The <i>Trypanosoma brucei</i> Life Cycle Switch TbPTP1 Is Structurally Conserved and Dephosphorylates the Nucleolar Protein NOPP44/46. <i>Journal of Biological Chemistry</i> , 2010, 285, 22075-22081.	3.4	20
65	Apicoplast Targeting of a <i>Toxoplasma gondii</i> Transmembrane Protein Requires a Cytosolic Tyrosine-Based Motif. <i>Traffic</i> , 2012, 13, 694-704.	2.7	20
66	Advancing <i>Trypanosoma brucei</i> genome annotation through ribosome profiling and spliced leader mapping. <i>Molecular and Biochemical Parasitology</i> , 2015, 202, 1-10.	1.1	20
67	Vesicles Bearing <i>Toxoplasma</i> Apicoplast Membrane Proteins Persist Following Loss of the Relict Plastid or Golgi Body Disruption. <i>PLoS ONE</i> , 2014, 9, e112096.	2.5	19
68	3-Methyladenine blocks <i>Toxoplasma gondii</i> division prior to centrosome replication. <i>Molecular and Biochemical Parasitology</i> , 2010, 173, 142-153.	1.1	18
69	Trypsin-binding IgG in cystic fibrosis. <i>Nature</i> , 1978, 274, 909-911.	27.8	17
70	<i>Trypanosoma brucei</i> : Molecular Cloning and Stage-Regulated Expression of a Malate Dehydrogenase Localized to the Mitochondrion. <i>Experimental Parasitology</i> , 1998, 89, 63-70.	1.2	15
71	Molecular cloning of the glycosomal malate dehydrogenase of <i>Trypanosoma brucei</i> 1Note: Nucleotide sequences reported in this paper are available in the GenBank database under the accession number AF079110.1. <i>Molecular and Biochemical Parasitology</i> , 1998, 96, 185-189.	1.1	15
72	NADH dehydrogenase of <i>Trypanosoma brucei</i> is important for efficient acetate production in bloodstream forms. <i>Molecular and Biochemical Parasitology</i> , 2017, 211, 57-61.	1.1	15

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73	Cystic fibrosis α 2-macroglobulin protease interaction in vitro. <i>Clinica Chimica Acta</i> , 1980, 100, 215-224.	1.1	14
74	Two families of RNA binding proteins from <i>Trypanosoma brucei</i> associate in a direct protein-protein interaction. <i>Molecular and Biochemical Parasitology</i> , 2002, 122, 81-89.	1.1	14
75	Illuminating Parasite Protein Production by Ribosome Profiling. <i>Trends in Parasitology</i> , 2016, 32, 446-457.	3.3	14
76	A dominant negative mutation in the GIM1 gene of <i>Leishmania donovani</i> is responsible for defects in glycosomal protein localization. <i>Molecular and Biochemical Parasitology</i> , 1999, 99, 117-128.	1.1	13
77	Pharmacokinetics and In Vivo Efficacy of Pyrazolopyrimidine, Pyrrolopyrimidine, and 5-Aminopyrazole-4-Carboxamide Bumped Kinase Inhibitors against Toxoplasmosis. <i>Journal of Infectious Diseases</i> , 2019, 219, 1464-1473.	4.0	13
78	A monoclonal mouse antiallotype antibody reacts with certain human and other vertebrate immunoglobulins: Genetic and phylogenetic findings. <i>Immunogenetics</i> , 1981, 12, 207-219.	2.4	12
79	Evolving Insights into Protein Trafficking to the Multiple Compartments of the Apicomplexan Plastid. <i>Journal of Eukaryotic Microbiology</i> , 2009, 56, 214-220.	1.7	12
80	Toxoplasma Calcium-Dependent Protein Kinase 1 Inhibitors: Probing Activity and Resistance Using Cellular Thermal Shift Assays. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	12
81	Chromatin-Associated Protein Complexes Link DNA Base J and Transcription Termination in <i>Leishmania</i> . <i>MSphere</i> , 2021, 6, .	2.9	12
82	An allele of <i>Trypanosoma brucei</i> cytoplasmic phosphoglycerate kinase is a mosaic of other alleles and genes. <i>Molecular and Biochemical Parasitology</i> , 1990, 42, 293-296.	1.1	11
83	<i>Trypanosoma brucei</i> : Two mitogen activated protein kinase kinases are dispensable for growth and virulence of the bloodstream form. <i>Experimental Parasitology</i> , 2011, 128, 250-255.	1.2	11
84	The trypanosome spliced leader small RNA gene family: stage-specific modification of one of several similar dispersed genes. <i>Nucleic Acids Research</i> , 1986, 14, 1703-1717.	14.5	10
85	Isolation and characterization of <i>Leishmania</i> mutants defective in glycosomal protein import. <i>Molecular and Biochemical Parasitology</i> , 2000, 106, 225-237.	1.1	10
86	Igh-4d, a new allotype at the mouse IgG1 heavy chain locus. <i>Immunogenetics</i> , 1981, 14, 341-344.	2.4	9
87	Binding of 125I-Labeled Proteinases to Plasma Proteins in Cystic Fibrosis. <i>Pediatric Research</i> , 1979, 13, 1030-1036.	2.3	7
88	Microbody phosphoglycerate kinase of <i>Trypanosoma brucei</i> : expression and complementation in <i>Escherichia coli</i> . <i>Gene</i> , 1990, 90, 215-220.	2.2	7
89	Characterization of glycosomal RING finger proteins of trypanosomatids. <i>Experimental Parasitology</i> , 2007, 116, 14-24.	1.2	7
90	Purine uptake by azaguanine-resistant chinese hamster cells. <i>Journal of Cellular Physiology</i> , 1976, 89, 209-217.	4.1	5

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91	The Apicoplast and Mitochondrion of <i>Toxoplasma gondii</i> . , 2014, , 297-350.		5
92	A novel protein kinase is essential in bloodstream <i>Trypanosoma brucei</i> . <i>International Journal for Parasitology</i> , 2016, 46, 479-483.	3.1	5
93	The apicoplast and mitochondrion of <i>Toxoplasma gondii</i> . , 2020, , 499-545.		4
94	Expression of a <i>Trypanosoma brucei brucei</i> variant antigen in <i>Escherichia coli</i> . <i>Molecular and Biochemical Parasitology</i> , 1984, 10, 207-216.	1.1	3
95	Genomic organization of variant surface glycoprotein genes in <i>Trypanosoma brucei</i> procyclic culture forms. <i>Journal of Cellular Biochemistry</i> , 1983, 23, 27-33.	2.6	2
96	Identity crisis? The need for systematic gene IDs. <i>Trends in Parasitology</i> , 2011, 27, 183-184.	3.3	2
97	Protozoan Cell Organelles. , 1995, , 233-255.		1
98	Unusual features and localization of the membrane kinome of <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , 2021, 16, e0258814.	2.5	1
99	35 Years of <i>Molecular and Biochemical Parasitology</i> . <i>Molecular and Biochemical Parasitology</i> , 2014, 195, 75-76.	1.1	0