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## A family of cation ATPase-like molecules from *Plasmodium falciparum*

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#	Paper	IF	Citations
49	Nutrient transport pathways in Plasmodium-infected erythrocytes: what and where are they?. <i>Parasitology Today</i> , <b>1994</b> , 10, 395-9		37
48	Fungal plasma membrane proton pumps as promising new antifungal targets. <i>Critical Reviews in Microbiology</i> , <b>1994</b> , 20, 209-23	7.8	74
47	Parasite-regulated membrane transport processes and metabolic control in malaria-infected erythrocytes. <i>Biochemical Journal</i> , <b>1995</b> , 308 ( Pt 2), 361-74	3.8	100
46	Molecular cloning and sequence of two novel P-type adenosinetriphosphatases from Plasmodium falciparum. <i>FEBS Journal</i> , <b>1995</b> , 227, 214-25		29
45	Cloning and characterization of an ATPase gene from Pneumocystis carinii which closely resembles fungal H <sup>+</sup> ATPases. <i>Journal of Eukaryotic Microbiology</i> , <b>1995</b> , 42, 298-307	3.6	19
44	The Plasmodium falciparum genome project: A resource for researchers. <i>Parasitology Today</i> , <b>1995</b> , 11, 1-4		49
43	Cloning of a new cation ATPase from Plasmodium falciparum: conservation of critical amino acids involved in calcium binding in mammalian organellar Ca <sup>2+</sup> -ATPases. <i>Gene</i> , <b>1995</b> , 158, 133-7	3.8	25
42	Structural organization, ion transport, and energy transduction of P-type ATPases. <i>BBA - Biomembranes</i> , <b>1996</b> , 1286, 1-51		595
41	Identification and phylogenetic classification of eleven putative P-type calcium transport ATPase genes in the yeasts Saccharomyces cerevisiae and Schizosaccharomyces pombe. <i>Bioscience Reports</i> , <b>1996</b> , 16, 75-85	4.1	23
40	Analysis of a cation-transporting ATPase of Plasmodium falciparum. <i>Molecular and Biochemical Parasitology</i> , <b>1996</b> , 78, 1-12	1.9	51
39	Chapter 1 Primary ion pumps. <i>Principles of Medical Biology</i> , <b>1996</b> , 1-66		2
38	Mutagenesis of segment 487Phe-Ser-Arg-Asp-Arg-Lys492 of sarcoplasmic reticulum Ca <sup>2+</sup> -ATPase produces pumps defective in ATP binding. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 25778-89	5.4	61
37	The ATP Binding Sites of P-Type ION Transport ATPases: Properties, Structure, Conformations, and Mechanism of Energy Coupling. <i>Advances in Molecular and Cell Biology</i> , <b>1997</b> , 23, 33-99		9
36	The complete inventory of the yeast Saccharomyces cerevisiae P-type transport ATPases. <i>FEBS Letters</i> , <b>1997</b> , 409, 325-32	3.8	106
35	Continuous culture of Plasmodium falciparum: its impact on malaria research. <i>International Journal for Parasitology</i> , <b>1997</b> , 27, 989-1006	4.3	75
34	Molecular characterization of a sarcoplasmic-endoplasmic reticulum Ca <sup>2+</sup> ATPase gene from Trichomonas vaginalis. <i>Journal of Eukaryotic Microbiology</i> , <b>1997</b> , 44, 480-6	3.6	6
33	Molecular analysis of a P-type ATPase from Cryptosporidium parvum. <i>Molecular and Biochemical Parasitology</i> , <b>1997</b> , 90, 307-16	1.9	37

32	Sequence and analysis of a 36.2 kb fragment from the right arm of yeast chromosome XV reveals 19 open reading frames including SNF2 (5Send), CPA1, SLY41, a putative transport ATPase, a putative ribosomal protein and an SNF2 homologue. <i>Yeast</i> , <b>1997</b> , 13, 479-82	3.4	3
31	Expression of substrate-specific transporters encoded by <i>Plasmodium falciparum</i> in <i>Xenopus laevis</i> oocytes. <i>Molecular and Biochemical Parasitology</i> , <b>1998</b> , 93, 81-9	1.9	28
30	The biology of <i>Plasmodium falciparum</i> transmission stages. <i>Parasitology</i> , <b>1998</b> , 116 Suppl, S95-109	2.7	34
29	P-type ATPase <i>spf1</i> mutants show a novel resistance mechanism for the killer toxin SMKT. <i>Molecular Microbiology</i> , <b>1999</b> , 32, 813-23	4.1	80
28	The putative gamma-glutamylcysteine synthetase from <i>Plasmodium falciparum</i> contains large insertions and a variable tandem repeat. <i>Molecular and Biochemical Parasitology</i> , <b>1999</b> , 98, 131-42	1.9	45
27	YAC contigs and restriction maps of chromosomes 4 and 5 from the cloned line 3D7 of <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1999</b> , 102, 197-204	1.9	2
26	Gametocyte-dominant expression of a novel P-type ATPase in <i>Plasmodium yoelii</i> . <i>Molecular and Biochemical Parasitology</i> , <b>1999</b> , 104, 331-6	1.9	9
25	Vacuolar H(+)-ATPase localized in plasma membranes of malaria parasite cells, <i>Plasmodium falciparum</i> , is involved in regional acidification of parasitized erythrocytes. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 34353-8	5.4	87
24	Membrane transport in the malaria-infected erythrocyte. <i>Physiological Reviews</i> , <b>2001</b> , 81, 495-537	47.9	319
23	Identification and characterization of a <i>Plasmodium falciparum</i> RNA polymerase gene with similarity to mitochondrial RNA polymerases. <i>Molecular and Biochemical Parasitology</i> , <b>2001</b> , 113, 261-9	1.9	34
22	Characterization of P-type ATPase 3 in <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2001</b> , 116, 117-26	1.9	13
21	Transport proteins of <i>Plasmodium falciparum</i> : defining the limits of metabolism. <i>International Journal for Parasitology</i> , <b>2001</b> , 31, 1331-42	4.3	19
20	Expression and functional characterization of a <i>Plasmodium falciparum</i> Ca <sup>2+</sup> -ATPase (PfATP4) belonging to a subclass unique to apicomplexan organisms. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 10782-7	5.4	78
19	Transport processes in <i>Plasmodium falciparum</i> -infected erythrocytes: potential as new drug targets. <i>International Journal for Parasitology</i> , <b>2002</b> , 32, 1567-73	4.3	24
18	ATPase activity of purified plasma membranes and digestive vacuoles from <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , <b>2005</b> , 141, 49-56	1.9	2
17	The SpermomeSof the malaria parasite: an overview of the membrane transport proteins of <i>Plasmodium falciparum</i> . <i>Genome Biology</i> , <b>2005</b> , 6, R26	18.3	133
16	Re-evaluation of how artemisinins work in light of emerging evidence of in vitro resistance. <i>Trends in Molecular Medicine</i> , <b>2006</b> , 12, 200-5	11.5	78
15	Malaria and iron: history and review. <i>Drug Metabolism Reviews</i> , <b>2009</b> , 41, 644-62	7	26

14	Artemisinins and the biological basis for the PfATP6/SERCA hypothesis. <i>Trends in Parasitology</i> , <b>2010</b> , 26, 517-23	6.4	53
13	The flagellum in malarial parasites. <i>Current Opinion in Microbiology</i> , <b>2010</b> , 13, 491-500	7.9	69
12	Artemether resistance in vitro is linked to mutations in PfATP6 that also interact with mutations in PfMDR1 in travellers returning with Plasmodium falciparum infections. <i>Malaria Journal</i> , <b>2012</b> , 11, 131	3.6	29
11	Expression in yeast links field polymorphisms in PfATP6 to in vitro artemisinin resistance and identifies new inhibitor classes. <i>Journal of Infectious Diseases</i> , <b>2013</b> , 208, 468-78	7	24
10	Pumped up: reflections on PfATP6 as the target for artemisinins. <i>Trends in Pharmacological Sciences</i> , <b>2014</b> , 35, 4-11	13.2	30
9	Transmembrane solute transport in the apicomplexan parasite Plasmodium. <i>Emerging Topics in Life Sciences</i> , <b>2017</b> , 1, 553-561	3.5	2
8	The transportome of the malaria parasite. <i>Biological Reviews</i> , <b>2020</b> , 95, 305-332	13.5	23
7	The genetic Ca sensor GCaMP3 reveals multiple Ca stores differentially coupled to Ca entry in the human malaria parasite. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 14998-15012	5.4	6
6	Na/K-ATPase a Primary Membrane Transporter: An Overview and Recent Advances with Special Reference to Algae. <i>Journal of Membrane Biology</i> , <b>2020</b> , 253, 191-204	2.3	9
5	The permeability properties of the parasite cell membrane. <i>Novartis Foundation Symposium</i> , <b>1999</b> , 226, 99-108; discussion 108-13		2
4	Plasma-Membrane and Related ATPases. <b>1996</b> , 29-56		7
3	Plasmodium falciparum AARP1, a giant protein containing repeated motifs rich in asparagine and aspartate residues, is associated with the infected erythrocyte membrane. <i>Infection and Immunity</i> , <b>1997</b> , 65, 3003-10	3.7	15
2	Selective inhibition of PfATP6 by artemisinins and identification of new classes of inhibitors after expression in yeast.		
1	Selective Inhibition of Plasmodium falciparum ATPase 6 by Artemisinins and Identification of New Classes of Inhibitors after Expression in Yeast.. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2022</b> , e0207921	5.9	0