

Tim W Gilberger

List of Publications by Year in descending order

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48
papers

2,997
citations

236925

25
h-index

223800

46
g-index

59
all docs

59
docs citations

59
times ranked

4700
citing authors

#	ARTICLE	IF	CITATIONS
1	A Conserved Molecular Motor Drives Cell Invasion and Gliding Motility across Malaria Life Cycle Stages and Other Apicomplexan Parasites. <i>Journal of Biological Chemistry</i> , 2006, 281, 5197-5208.	3.4	317
2	H2A.Z Demarcates Intergenic Regions of the <i>Plasmodium falciparum</i> Epigenome That Are Dynamically Marked by H3K9ac and H3K4me3. <i>PLoS Pathogens</i> , 2010, 6, e1001223.	4.7	201
3	Development and host cell modifications of <i>Plasmodium falciparum</i> blood stages in four dimensions. <i>Nature Communications</i> , 2011, 2, 165.	12.8	181
4	Host-cell invasion by malaria parasites: insights from <i>Plasmodium</i> and <i>Toxoplasma</i> . <i>Trends in Parasitology</i> , 2008, 24, 557-563.	3.3	160
5	Transfection of the Human Malaria Parasite <i>Plasmodium falciparum</i> . , 2004, 270, 263-276.		158
6	Identification of New PNEPs Indicates a Substantial Non-PEXEL Exportome and Underpins Common Features in <i>Plasmodium falciparum</i> Protein Export. <i>PLoS Pathogens</i> , 2013, 9, e1003546.	4.7	142
7	Evolution and Architecture of the Inner Membrane Complex in Asexual and Sexual Stages of the Malaria Parasite. <i>Molecular Biology and Evolution</i> , 2012, 29, 2113-2132.	8.9	135
8	Protein Kinase A Dependent Phosphorylation of Apical Membrane Antigen 1 Plays an Important Role in Erythrocyte Invasion by the Malaria Parasite. <i>PLoS Pathogens</i> , 2010, 6, e1000941.	4.7	124
9	Functional Analysis of the Leading Malaria Vaccine Candidate AMA-1 Reveals an Essential Role for the Cytoplasmic Domain in the Invasion Process. <i>PLoS Pathogens</i> , 2009, 5, e1000322.	4.7	117
10	Uncovering Common Principles in Protein Export of Malaria Parasites. <i>Cell Host and Microbe</i> , 2012, 12, 717-729.	11.0	115
11	Protein export in malaria parasites: do multiple export motifs add up to multiple export pathways?. <i>Trends in Parasitology</i> , 2010, 26, 6-10.	3.3	106
12	Re-defining the Golgi complex in <i>Plasmodium falciparum</i> using the novel Golgi marker PfGRASP. <i>Journal of Cell Science</i> , 2005, 118, 5603-5613.	2.0	88
13	<i>Plasmodium falciparum</i> ATG8 implicated in both autophagy and apicoplast formation. <i>Autophagy</i> , 2013, 9, 1540-1552.	9.1	77
14	Parasite Calcineurin Regulates Host Cell Recognition and Attachment by Apicomplexans. <i>Cell Host and Microbe</i> , 2015, 18, 49-60.	11.0	77
15	Sequence requirements for the export of the <i>Plasmodium falciparum</i> Maurer's clefts protein REX2. <i>Molecular Microbiology</i> , 2009, 71, 1003-1017.	2.5	76
16	The Role of Palmitoylation for Protein Recruitment to the Inner Membrane Complex of the Malaria Parasite. <i>Journal of Biological Chemistry</i> , 2015, 290, 1712-1728.	3.4	66
17	Dissection of Minimal Sequence Requirements for Rhoptry Membrane Targeting in the Malaria Parasite. <i>Traffic</i> , 2012, 13, 1335-1350.	2.7	65
18	Cyclic AMP signalling controls key components of malaria parasite host cell invasion machinery. <i>PLoS Biology</i> , 2019, 17, e3000264.	5.6	64

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19	A Conserved Region in the EBL Proteins Is Implicated in Microneme Targeting of the Malaria Parasite <i>Plasmodium falciparum</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 31995-32003.	3.4	58
20	Thioredoxin Reductase from <i>Plasmodium falciparum</i> : Evidence for Interaction between the C-Terminal Cysteine Residues and the Active Site Disulfide Dithiol. <i>Biochemistry</i> , 1999, 38, 3187-3196.	2.5	53
21	The Dynamic Roles of the Inner Membrane Complex in the Multiple Stages of the Malaria Parasite. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 611801.	3.9	47
22	Dissecting the Gene Expression, Localization, Membrane Topology, and Function of the <i>Plasmodium falciparum</i> STEVOR Protein Family. <i>MBio</i> , 2019, 10, .	4.1	46
23	Regulation of <i>Plasmodium falciparum</i> Development by Calcium-dependent Protein Kinase 7 (PfCDPK7). <i>Journal of Biological Chemistry</i> , 2014, 289, 20386-20395.	3.4	45
24	The role of the C-terminus for catalysis of the large thioredoxin reductase from <i>Plasmodium falciparum</i> . <i>FEBS Letters</i> , 1998, 425, 407-410.	2.8	41
25	Spatial dissection of the cis- and trans-Golgi compartments in the malaria parasite <i>Plasmodium falciparum</i> . <i>Molecular Microbiology</i> , 2008, 67, 1320-1330.	2.5	38
26	Critical Steps in Protein Export of <i>Plasmodium falciparum</i> Blood Stages. <i>Trends in Parasitology</i> , 2015, 31, 514-525.	3.3	34
27	CRISPR/Cas9-engineered inducible gametocyte producer lines as a valuable tool for <i>Plasmodium falciparum</i> malaria transmission research. <i>Nature Communications</i> , 2021, 12, 4806.	12.8	32
28	Hierarchical phosphorylation of apical membrane antigen 1 is required for efficient red blood cell invasion by malaria parasites. <i>Scientific Reports</i> , 2016, 6, 34479.	3.3	31
29	The ZIP Code of Vesicle Trafficking in Apicomplexa: SEC1/Munc18 and SNARE Proteins. <i>MBio</i> , 2020, 11, .	4.1	31
30	Pellicle formation in the malaria parasite. <i>Journal of Cell Science</i> , 2016, 129, 673-80.	2.0	29
31	Structure-Based Identification and Functional Characterization of a Lipocalin in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>Cell Reports</i> , 2020, 31, 107817.	6.4	23
32	PfCERLI1 is a conserved rhoptry associated protein essential for <i>Plasmodium falciparum</i> merozoite invasion of erythrocytes. <i>Nature Communications</i> , 2020, 11, 1411.	12.8	23
33	The ornithine decarboxylase domain of the bifunctional ornithine decarboxylase/S-adenosylmethionine decarboxylase of <i>Plasmodium falciparum</i> : recombinant expression and catalytic properties of two different constructs. <i>Biochemical Journal</i> , 2000, 352, 287-292.	3.7	22
34	Structural Insights Into PfARO and Characterization of its Interaction With PfAIP. <i>Journal of Molecular Biology</i> , 2020, 432, 878-896.	4.2	21
35	The parasitophorous vacuole nutrient channel is critical for drug access in malaria parasites and modulates the artemisinin resistance fitness cost. <i>Cell Host and Microbe</i> , 2021, 29, 1774-1787.e9.	11.0	21
36	Structure-activity relationships in a series of antiplasmodial thieno[2,3-b]pyridines. <i>Malaria Journal</i> , 2019, 18, 89.	2.3	20

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37	Common virulence gene expression in adult first-time infected malaria patients and severe cases. <i>ELife</i> , 2021, 10, .	6.0	20
38	Identification of novel inner membrane complex and apical annuli proteins of the malaria parasite <i>Plasmodium falciparum</i> . <i>Cellular Microbiology</i> , 2021, 23, e13341.	2.1	19
39	4-Arylthieno[2,3-b]pyridine-2-carboxamides Are a New Class of Antiplasmodial Agents. <i>Molecules</i> , 2020, 25, 3187.	3.8	12
40	Characterization of Apicomplexan Amino Acid Transporters (ApiATs) in the Malaria Parasite <i>Plasmodium falciparum</i> . <i>MSphere</i> , 2021, 6, e0074321.	2.9	9
41	The Ins and Outs of <i>Plasmodium</i> Rhoptries, Focusing on the Cytosolic Side. <i>Trends in Parasitology</i> , 2021, 37, 638-650.	3.3	8
42	Cell biological analysis reveals an essential role for Pfcerli2 in erythrocyte invasion by malaria parasites. <i>Communications Biology</i> , 2022, 5, 121.	4.4	7
43	PMRT1, a <i>Plasmodium</i> -Specific Parasite Plasma Membrane Transporter, Is Essential for Asexual and Sexual Blood Stage Development. <i>MBio</i> , 2022, 13, e0062322.	4.1	7
44	High Content Analysis of Macrophage-Targeting EhP1b-Compounds against Cutaneous and Visceral Leishmania Species. <i>Microorganisms</i> , 2021, 9, 422.	3.6	5
45	Synthesis and Antiplasmodial Activity of Bisindolylcyclobutenediones. <i>Molecules</i> , 2021, 26, 4739.	3.8	4
46	A non-reactive natural product precursor of the duocarmycin family has potent and selective antimalarial activity. <i>Cell Chemical Biology</i> , 2022, 29, 840-853.e6.	5.2	2
47	N-terminal phosphorylation regulates the activity of glycogen synthase kinase 3 from <i>Plasmodium falciparum</i> . <i>Biochemical Journal</i> , 2022, 479, 337-356.	3.7	2
48	Novel Antimalarial Inhibitors That Specifically Target the Invasion Motor Protein Myosin A in Malaria Parasites. <i>Proceedings (mdpi)</i> , 2019, 22, .	0.2	0