Wai-Hong Tham

List of Publications by Year
in descending order

77 papers	4,704 citations	117625 34 h-index	110387 64 g-index
90 all docs	90 docs citations	90 times ranked	5696 citing authors

#	Article	IF	Citations
1	Multimodal imaging reveals membrane skeleton reorganisation during reticulocyte maturation and differences in dimple and rim regions of mature erythrocytes. Journal of Structural Biology: X, 2022, 6, 100056.	1.3	2
2	Structure of the Pf12 and Pf41 heterodimeric complex ofPlasmodium falciparum6-cysteine proteins. FEMS Microbes, 2022, 3, xtac005.	2.1	5
3	Naturally acquired antibody kinetics against Plasmodium vivax antigens in people from a low malaria transmission region in western Thailand. BMC Medicine, 2022, 20, 89.	5.5	7
4	Comparison of total immunoglobulin G antibody responses to different protein fragments of Plasmodium vivax Reticulocyte binding protein 2b. Malaria Journal, 2022, 21, 71.	2.3	2
5	Basis for drug selectivity of plasmepsin IX and X inhibition in Plasmodium falciparum and vivax. Structure, 2022, 30, 947-961.e6.	3.3	9
6	Plasmodium vivax malaria serological exposure markers: Assessing the degree and implications of cross-reactivity with P.Âknowlesi. Cell Reports Medicine, 2022, 3, 100662.	6.5	6
7	Surface areaâ€toâ€volume ratio, not cellular viscoelasticity, is the major determinant of red blood cell traversal through small channels. Cellular Microbiology, 2021, 23, e13270.	2.1	22
8	Nanobody generation and structural characterization of Plasmodium falciparum 6-cysteine protein Pf12p. Biochemical Journal, 2021, 478, 579-595.	3.7	8
9	Naturally acquired blocking human monoclonal antibodies to Plasmodium vivax reticulocyte binding protein 2b. Nature Communications, 2021, 12, 1538.	12.8	6
10	Nanobody cocktails potently neutralize SARS-CoV-2 D614G N501Y variant and protect mice. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	109
11	IgG Antibody Responses Are Preferential Compared With IgM for Use as Serological Markers for Detecting Recent Exposure to Plasmodium vivax Infection. Open Forum Infectious Diseases, 2021, 8, ofab228.	0.9	8
12	Application of 23 Novel Serological Markers for Identifying Recent Exposure to Plasmodium vivax Parasites in an Endemic Population of Western Thailand. Frontiers in Microbiology, 2021, 12, 643501.	3.5	9
13	Plasmodium vivax binds host CD98hc (SLC3A2) to enter immature red blood cells. Nature Microbiology, 2021, 6, 991-999.	13.3	26
14	Simultaneous evaluation of antibodies that inhibit SARS-CoV-2 variants via multiplex assay. JCI Insight, 2021, 6, .	5.0	33
15	Landscape of human antibody recognition of the SARS-CoV-2 receptor binding domain. Cell Reports, 2021, 37, 109822.	6.4	35
16	Plasmodium vivax Reticulocyte Binding Proteins for invasion into reticulocytes. Cellular Microbiology, 2020, 22, e13110.	2.1	34
17	Complement in malaria immunity and vaccines. Immunological Reviews, 2020, 293, 38-56.	6.0	36
18	Humoral and circulating follicular helper T cell responses in recovered patients with COVID-19. Nature Medicine, 2020, 26, 1428-1434.	30.7	400

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19	Development and validation of serological markers for detecting recent Plasmodium vivax infection. Nature Medicine, 2020, 26, 741-749.	30.7	90
20	Dual Plasmepsin-Targeting Antimalarial Agents Disrupt Multiple Stages of the Malaria Parasite Life Cycle. Cell Host and Microbe, 2020, 27, 642-658.e12.	11.0	94
21	A comparison of non-magnetic and magnetic beads for measuring IgG antibodies against Plasmodium vivax antigens in a multiplexed bead-based assay using Luminex technology (Bio-Plex 200 or MAGPIX). PLoS ONE, 2020, 15, e0238010.	2.5	15
22	Title is missing!. , 2020, 15, e0238010.		0
23	Title is missing!. , 2020, 15, e0238010.		0
24	Title is missing!. , 2020, 15, e0238010.		0
25	Title is missing!. , 2020, 15, e0238010.		0
26	Title is missing!. , 2020, 15, e0238010.		0
27	Title is missing!. , 2020, 15, e0238010.		0
28	Antibodies to Plasmodium vivax reticulocyte binding protein 2b are associated with protection against P. vivax malaria in populations living in low malaria transmission regions of Brazil and Thailand. PLoS Neglected Tropical Diseases, 2019, 13, e0007596.	3.0	18
29	Complement Receptor 1 availability on red blood cell surface modulates Plasmodium vivax invasion of human reticulocytes. Scientific Reports, 2019, 9, 8943.	3.3	14
30	Neutralising antibodies block the function of Rh5/Ripr/CyRPA complex during invasion of Plasmodium falciparum into human erythrocytes. Cellular Microbiology, 2019, 21, e13030.	2.1	34
31	Antibody responses to Plasmodium vivax Duffy binding and Erythrocyte binding proteins predict risk of infection and are associated with protection from clinical Malaria. PLoS Neglected Tropical Diseases, 2019, 13, e0006987.	3.0	29
32	Evaluation of 4-Amino 2-Anilinoquinazolines against Plasmodium and Other Apicomplexan Parasites In Vitro and in a P. falciparum Humanized NOD- scid IL2RÎ³ ^{null} Mouse Model of Malaria. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	12
33	Structure of Plasmodium falciparum Rh5â€“CyRPAâ€“Ripr invasion complex. Nature, 2019, 565, 118-121.	27.8	74
34	Transferrin receptor 1 is a reticulocyte-specific receptor for Plasmodium vivax. Science, 2018, 359, 48-55.	12.6	158
35	Cryo-EM structure of an essential Plasmodium vivax invasion complex. Nature, 2018, 559, 135-139.	27.8	43
36	Complement Evasion Mechanisms of the Human Pathogen Plasmodium falciparum. , 2018, , 107-124.		1

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37	Evolutionary history of humanPlasmodium vivaxrevealed by genome-wide analyses of related ape parasites. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8450-E8459.	7.1	50
38	Editorial: Molecular Approaches to Malaria, 2016. International Journal for Parasitology, 2017, 47, 75.	3.1	0
39	Recruitment of Human C1 Esterase Inhibitor Controls Complement Activation on Blood Stage Plasmodium falciparum Merozoites. Journal of Immunology, 2017, 198, 4728-4737.	0.8	26
40	Plasmodium vivax vaccine research â€“ weâ€™ve only just begun. International Journal for Parasitology, 2017, 47, 111-118.	3.1	49
41	The Molecular Basis of Erythrocyte Invasion by Malaria Parasites. Cell Host and Microbe, 2017, 22, 232-245.	11.0	242
42	Asymptomatic Plasmodium vivax infections induce robust IgG responses to multiple blood-stage proteins in a low-transmission region of western Thailand. Malaria Journal, 2017, 16, 178.	2.3	36
43	Plasmodium falciparum ligand binding to erythrocytes induce alterations in deformability essential for invasion. ELife, 2017, 6, .	6.0	57
44	Identification of highly-protective combinations of Plasmodium vivax recombinant proteins for vaccine development. ELife, 2017, 6, .	6.0	64
45	Gene Models, Expression Repertoire, and Immune Response of Plasmodium vivax Reticulocyte Binding Proteins. Infection and Immunity, 2016, 84, 677-685.	2.2	30
46	Essential Role of the PfRh5/PfRipr/CyRPA Complex during Plasmodium falciparum Invasion of Erythrocytes. Cell Host and Microbe, 2016, 20, 60-71.	11.0	170
47	Structurally conserved erythrocyte-binding domain in Plasmodium provides a versatile scaffold for alternate receptor engagement. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E191-200.	7.1	43
48	Recruitment of Factor H as a Novel Complement Evasion Strategy for Blood-Stage Plasmodium falciparum Infection. Journal of Immunology, 2016, 196, 1239-1248.	0.8	90
49	Plasmodium vivax Reticulocyte Binding Proteins Are Key Targets of Naturally Acquired Immunity in Young Papua New Guinean Children. PLoS Neglected Tropical Diseases, 2016, 10, e0005014.	3.0	56
50	A master lock for deadly parasites. Nature, 2015, 522, 158-159.	27.8	10
51	Revealing the Sequence and Resulting Cellular Morphology of Receptor-Ligand Interactions during Plasmodium falciparum Invasion of Erythrocytes. PLoS Pathogens, 2015, 11, e1004670.	4.7	246
52	More than just immune evasion: Hijacking complement by Plasmodium falciparum. Molecular Immunology, 2015, 67, 71-84.	2.2	44
53	Characterization of Inhibitors and Monoclonal Antibodies That Modulate the Interaction between Plasmodium falciparum Adhesin PfRh4 with Its Erythrocyte Receptor Complement Receptor 1. Journal of Biological Chemistry, 2015, 290, 25307-25321.	3.4	12
54	Plasmodium falciparum Adhesins Play an Essential Role in Signalling and Activation of Invasion into Human Erythrocytes. PLoS Pathogens, 2015, 11, e1005343.	4.7	41

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55	Using Mutagenesis and Structural Biology to Map the Binding Site for the Plasmodium falciparum Merozoite Protein PfRh4 on the Human Immune Adherence Receptor. Journal of Biological Chemistry, 2014, 289, 450-463.	3.4	30
56	Lack of Evidence from Studies of Soluble Protein Fragments that Knops Blood Group Polymorphisms in Complement Receptor-Type 1 Are Driven by Malaria. PLoS ONE, 2012, 7, e34820.	2.5	25
57	The Plasmodium falciparum Erythrocyte Invasion Ligand Pfrh4 as a Target of Functional and Protective Human Antibodies against Malaria. PLoS ONE, 2012, 7, e45253.	2.5	51
58	Erythrocyte and reticulocyte binding-like proteins of Plasmodium falciparum. Trends in Parasitology, 2012, 28, 23-30.	3.3	148
59	Plasmodium falciparum uses a key functional site in complement receptor type-1 for invasion of human erythrocytes. Blood, 2011, 118, 1923-1933.	1.4	48
60	Reticulocyte and Erythrocyte Binding-Like Proteins Function Cooperatively in Invasion of Human Erythrocytes by Malaria Parasites. Infection and Immunity, 2011, 79, 1107-1117.	2.2	132
61	An EGF-like Protein Forms a Complex with PfRh5 and Is Required for Invasion of Human Erythrocytes by Plasmodium falciparum. PLoS Pathogens, 2011, 7, e1002199.	4.7	130
62	Complement receptor 1 is the host erythrocyte receptor for Plasmodium falciparum PfRh4 invasion ligand. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 17327-17332.	7.1	182
63	A Novel Family of Apicomplexan Glideosome-associated Proteins with an Inner Membrane-anchoring Role. Journal of Biological Chemistry, 2009, 284, 25353-25363.	3.4	105
64	Antibodies to Reticulocyte Binding Protein-Like Homologue 4 Inhibit Invasion of Plasmodium falciparum into Human Erythrocytes. Infection and Immunity, 2009, 77, 2427-2435.	2.2	65
65	Reticulocyte binding protein homologues are key adhesins during erythrocyte invasion byPlasmodium falciparum. Cellular Microbiology, 2009, 11, 1671-1687.	2.1	56
66	Alveolins, a New Family of Cortical Proteins that Define the Protist Infrakingdom Alveolata. Molecular Biology and Evolution, 2008, 25, 1219-1230.	8.9	184
67	Identification of basic transcriptional elements required for rif gene transcription. International Journal for Parasitology, 2007, 37, 605-615.	3.1	27
68	Transcription and coregulation of multigene families in Plasmodium falciparum. Trends in Parasitology, 2007, 23, 183-186.	3.3	6
69	ANTIBODY RECOGNITION OF HETEROLOGOUS VARIANT SURFACE ANTIGENS AFTER A SINGLE PLASMODIUM FALCIPARUM INFECTION IN PREVIOUSLY NAÃVE ADULTS. American Journal of Tropical Medicine and Hygiene, 2007, 76, 860-864.	1.4	25
70	The FK506 Binding Protein Fpr3 Counteracts Protein Phosphatase 1 to Maintain Meiotic Recombination Checkpoint Activity. Cell, 2005, 122, 861-873.	28.9	137
71	A Genome-Wide Screen Identifies Genes Required for Centromeric Cohesion. Science, 2004, 303, 1367-1370.	12.6	252
72	Transcriptional silencing at Saccharomyces telomeres: implications for other organisms. Oncogene, 2002, 21, 512-521.	5.9	152

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73	Localization of Yeast Telomeres to the Nuclear Periphery Is Separable from Transcriptional Repression and Telomere Stability Functions. Molecular Cell, 2001, 8, 189-199.	9.7	75
74	Telomeric tethers. Nature, 2000, 403, 34-35.	27.8	12
75	Structure-function analysis of the tobacco mosaic virus resistance gene N. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 14789-14794.	7.1	237
76	Transcriptional silencing at Saccharomyces telomeres: implications for other organisms. , 0, .		1
77	Plasmodium 6-Cysteine Proteins: Functional Diversity, Transmission-Blocking Antibodies and Structural Scaffolds. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	7