Tania F De Koning-Ward

List of Publications by Year
in descending order

81 papers	5,476 citations	101543 36 h-index	88630 70 g-index
88 all docs	88 docs citations	88 times ranked	4795 citing authors

#	Article	IF	Citations
1	A newly discovered protein export machine in malaria parasites. Nature, 2009, 459, 945-949.	27.8	437
2	Systemic activation of dendritic cells by Toll-like receptor ligands or malaria infection impairs cross-presentation and antiviral immunity. Nature Immunology, 2006, 7, 165-172.	14.5	308
3	An aspartyl protease directs malaria effector proteins to the host cell. Nature, 2010, 463, 627-631.	27.8	289
4	Antibodies against Merozoite Surface Protein (Msp)-119 Are a Major Component of the Invasion-Inhibitory Response in Individuals Immune to Malaria. Journal of Experimental Medicine, 2001, 193, 1403-1412.	8.5	244
5	PTEX is an essential nexus for protein export in malaria parasites. Nature, 2014, 511, 587-591.	27.8	230
6	P25 and P28 proteins of the malaria ookinete surface have multiple and partially redundant functions. EMBO Journal, 2001, 20, 3975-3983.	7.8	206
7	Blood-stage Plasmodium infection induces CD8 ⁺ T lymphocytes to parasite-expressed antigens, largely regulated by CD8Î± ⁺ dendritic cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14509-14514.	7.1	179
8	Molecular genetics and comparative genomics reveal RNAi is not functional in malaria parasites. Nucleic Acids Research, 2009, 37, 3788-3798.	14.5	177
9	Immune-Mediated Mechanisms of Parasite Tissue Sequestration during Experimental Cerebral Malaria. Journal of Immunology, 2010, 185, 3632-3642.	0.8	155
10	A Subset of Plasmodium falciparum SERA Genes Are Expressed and Appear to Play an Important Role in the Erythrocytic Cycle. Journal of Biological Chemistry, 2002, 277, 47524-47532.	3.4	149
11	Plasmodium species: master renovators of their host cells. Nature Reviews Microbiology, 2016, 14, 494-507.	28.6	149
12	Evidence That Invasion-Inhibitory Antibodies Specific for the 19-kDa Fragment of Merozoite Surface Protein-1 (MSP-119) Can Play a Protective Role against Blood-Stage Plasmodium falciparum Infection in Individuals in a Malaria Endemic Area of Africa. Journal of Immunology, 2004, 173, 666-672.	0.8	147
13	Biosynthesis, Localization, and Macromolecular Arrangement of the Plasmodium falciparum Translocon of Exported Proteins (PTEX). Journal of Biological Chemistry, 2012, 287, 7871-7884.	3.4	130
14	Tetracycline analogue-regulated transgene expression in Plasmodium falciparum blood stages using Toxoplasma gondii transactivators. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 2980-2985.	7.1	100
15	Advances in molecular genetic systems in malaria. Nature Reviews Microbiology, 2015, 13, 373-387.	28.6	100
16	Plasmodium falciparum parasites deploy RhopH2 into the host erythrocyte to obtain nutrients, grow and replicate. ELife, 2017, 6, .	6.0	96
17	The Importance of Human FcÎ³RI in Mediating Protection to Malaria. PLoS Pathogens, 2007, 3, e72.	4.7	95
18	Contribution of urease to acid tolerance in Yersinia enterocolitica. Infection and Immunity, 1995, 63, 3790-3795.	2.2	94

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19	Plasmodium rhoptry proteins: why order is important. Trends in Parasitology, 2013, 29, 228-236.	3.3	93
20	The selectable marker human dihydrofolate reductase enables sequential genetic manipulation of the Plasmodium berghei genome. Molecular and Biochemical Parasitology, 2000, 106, 199-212.	1.1	92
21	The Development of Genetic Tools for Dissecting the Biology of Malaria Parasites. Annual Review of Microbiology, 2000, 54, 157-185.	7.3	92
22	Evidence for a Common Role for the Serine-Type Plasmodium falciparum Serine Repeat Antigen Proteases: Implications for Vaccine and Drug Design. Infection and Immunity, 2007, 75, 5565-5574.	2.2	82
23	The Clp Chaperones and Proteases of the Human Malaria Parasite Plasmodium falciparum. Journal of Molecular Biology, 2010, 404, 456-477.	4.2	81
24	A New Rodent Model to Assess Blood Stage Immunity to the Plasmodium falciparum Antigen Merozoite Surface Protein 119 Reveals a Protective Role for Invasion Inhibitory Antibodies. Journal of Experimental Medicine, 2003, 198, 869-875.	8.5	80
25	The role of osmiophilic bodies and Pfg377 expression in female gametocyte emergence and mosquito infectivity in the human malaria parasite Plasmodium falciparum. Molecular Microbiology, 2008, 67, 278-290.	2.5	80
26	CD1dâ€restricted NKT cells contribute to malarial splenomegaly and enhance parasiteâ€specific antibody responses. European Journal of Immunology, 2003, 33, 2588-2598.	2.9	79
27	The <scp>P</scp>lasmodium translocon of exported proteins (<scp>PTEX</scp>) component thioredoxinâ€2 is important for maintaining normal bloodâ€stage growth. Molecular Microbiology, 2013, 89, 1167-1186.	2.5	75
28	CD8+ T Cells from a Novel T Cell Receptor Transgenic Mouse Induce Liver-Stage Immunity That Can Be Boosted by Blood-Stage Infection in Rodent Malaria. PLoS Pathogens, 2014, 10, e1004135.	4.7	68
29	Hemolyticâ€Uremic Syndrome Following Urinary Tract Infection with EnterohemorrhagicEscherichia coli: Case Report and Review. Clinical Infectious Diseases, 1998, 27, 310-315.	5.8	67
30	Proteomic analysis reveals novel proteins associated with thePlasmodiumprotein exporter PTEX and a loss of complex stability upon truncation of the core PTEX component, PTEX150. Cellular Microbiology, 2016, 18, 1551-1569.	2.1	66
31	An exported protein-interacting complex involved in the trafficking of virulence determinants in Plasmodium-infected erythrocytes. Nature Communications, 2017, 8, 16044.	12.8	65
32	Targeting malaria parasite invasion of red blood cells as an antimalarial strategy. FEMS Microbiology Reviews, 2019, 43, 223-238.	8.6	56
33	A Research Agenda for Malaria Eradication: Basic Science and Enabling Technologies. PLoS Medicine, 2011, 8, e1000399.	8.4	51
34	A Natural Peptide Antigen within the Plasmodium Ribosomal Protein RPL6 Confers Liver TRM Cell-Mediated Immunity against Malaria in Mice. Cell Host and Microbe, 2020, 27, 950-962.e7.	11.0	45
35	Blood-Stage Plasmodium berghei Infection Generates a Potent, Specific CD8+ T-Cell Response Despite Residence Largely in Cells Lacking MHC I Processing Machinery. Journal of Infectious Diseases, 2011, 204, 1989-1996.	4.0	41
36	New insights into protein export in malaria parasites. Cellular Microbiology, 2010, 12, 580-587.	2.1	40

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37	ThePlasmodiumrhoptry associated protein complex is important for parasitophorous vacuole membrane structure and intraerythrocytic parasite growth. Cellular Microbiology, 2017, 19, e12733.	2.1	39
38	How Malaria Parasites Acquire Nutrients From Their Host. Frontiers in Cell and Developmental Biology, 2021, 9, 649184.	3.7	39
39	Analysis of stage specificity of promoters in Plasmodium berghei using luciferase as a reporter. Molecular and Biochemical Parasitology, 1999, 100, 141-146.	1.1	38
40	Characterisation of the urease-encoding gene complex of Yersinia enterocolitica. Gene, 1994, 145, 25-32.	2.2	37
41	Development of a Novel CD4+ TCR Transgenic Line That Reveals a Dominant Role for CD8+ Dendritic Cells and CD40 Signaling in the Generation of Helper and CTL Responses to Blood-Stage Malaria. Journal of Immunology, 2017, 199, 4165-4179.	0.8	37
42	Screening the Medicines for Malaria Venture Pathogen Box for invasion and egress inhibitors of the blood stage of Plasmodium falciparum reveals several inhibitory compounds. International Journal for Parasitology, 2020, 50, 235-252.	3.1	37
43	Defining the Essential Exportome of the Malaria Parasite. Trends in Parasitology, 2021, 37, 664-675.	3.3	37
44	The Plasmodium translocon of exported proteins component EXP2 is critical for establishing a patent malaria infection in mice. Cellular Microbiology, 2016, 18, 399-412.	2.1	34
45	Puromycin-N-acetyltransferase as a selectable marker for use in Plasmodium falciparum. Molecular and Biochemical Parasitology, 2001, 117, 155-160.	1.1	31
46	Protein export in Plasmodium parasites: From the endoplasmic reticulum to the vacuolar export machine. International Journal for Parasitology, 2010, 40, 509-513.	3.1	31
47	Host cell remodelling in malaria parasites: a new pool of potential drug targets. International Journal for Parasitology, 2017, 47, 119-127.	3.1	31
48	Uncoupling the Threading and Unfoldase Actions of Plasmodium HSP101 Reveals Differences in Export between Soluble and Insoluble Proteins. MBio, 2019, 10, .	4.1	31
49	Contrasting Inducible Knockdown of the Auxiliary PTEX Component PTEX88 in P. falciparum and P. berghei Unmasks a Role in Parasite Virulence. PLoS ONE, 2016, 11, e0149296.	2.5	31
50	The Exported Protein PbCP1 Localises to Cleft-Like Structures in the Rodent Malaria Parasite Plasmodium berghei. PLoS ONE, 2013, 8, e61482.	2.5	30
51	Illuminating how malaria parasites export proteins into host erythrocytes. Cellular Microbiology, 2019, 21, e13009.	2.1	30
52	Stable expression of green fluorescent protein in blood and mosquito stages of Plasmodium berghei. Molecular and Biochemical Parasitology, 1998, 97, 247-252.	1.1	29
53	MSP119miniproteins can serve as targets for invasion inhibitory antibodies in Plasmodium falciparum provided they contain the correct domains for cell surface trafficking. Molecular Microbiology, 2008, 68, 124-138.	2.5	26
54	A novel mechanism of urease regulation in Yersinia enterocolitica. FEMS Microbiology Letters, 1997, 147, 221-226.	1.8	24

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55	A novel mechanism of urease regulation in Yersinia enterocolitica. FEMS Microbiology Letters, 2006, 147, 221-226.	1.8	24
56	The malaria parasite <scp> Plasmodium falciparum </scp> Sortilin is essential for merozoite formation and apical complex biogenesis. Cellular Microbiology, 2018, 20, e12844.	2.1	24
57	Investigation of the Plasmodium falciparum Food Vacuole through Inducible Expression of the Chloroquine Resistance Transporter (PfCRT). PLoS ONE, 2012, 7, e38781.	2.5	24
58	Complementation of Plasmodium berghei TRAP knockout parasites using human dihydrofolate reductase gene as a selectable marker. Molecular and Biochemical Parasitology, 2001, 113, 151-156.	1.1	23
59	A revised mechanism for how Plasmodium falciparum recruits and exports proteins into its erythrocytic host cell. PLoS Pathogens, 2022, 18, e1009977.	4.7	23
60	A 4-cyano-3-methylisoquinoline inhibitor of Plasmodium falciparum growth targets the sodium efflux pump PfATP4. Scientific Reports, 2019, 9, 10292.	3.3	20
61	The malaria <scp>PTEX</scp> component <scp>PTEX</scp>88 interacts most closely with <scp>HSP</scp>101 at the hostâ€“parasite interface. FEBS Journal, 2018, 285, 2037-2055.	4.7	18
62	Plasmodium falciparum Nucleosomes Exhibit Reduced Stability and Lost Sequence Dependent Nucleosome Positioning. PLoS Pathogens, 2016, 12, e1006080.	4.7	18
63	Characterisation of complexes formed by parasite proteins exported into the host cell compartment of <scp> Plasmodium falciparum </scp> infected red blood cells. Cellular Microbiology, 2021, 23, e13332.	2.1	16
64	Changes in the hemagglutinin gene of the neurovirulent influenza virus strain A/NWS/33. Virus Genes, 1995, 10, 179-183.	1.6	15
65	Perivascular macrophages create an intravascular niche for CD8⁺ T cell localisation prior to the onset of fatal experimental cerebral malaria. Clinical and Translational Immunology, 2021, 10, e1273.	3.8	13
66	The Plasmodium falciparum parasitophorous vacuole protein <scp>P113</scp> interacts with the parasite protein export machinery and maintains normal vacuole architecture. Molecular Microbiology, 2022, 117, 1245-1262.	2.5	13
67	The cysteine protease dipeptidyl aminopeptidase 3 does not contribute to egress of Plasmodium falciparum from host red blood cells. PLoS ONE, 2018, 13, e0193538.	2.5	12
68	Plasmodium translocon component EXP2 facilitates hepatocyte invasion. Nature Communications, 2020, 11, 5654.	12.8	12
69	Acquisition of Invasionâ€Inhibitory Antibodies Specific for the 19â€kDa Fragment of Merozoite Surface Protein 1 in a Transmigrant Population Requires Multiple Infections. Journal of Infectious Diseases, 2008, 198, 1212-1218.	4.0	11
70	Toward forward genetic screens in malaria-causing parasites using the piggyBac transposon. BMC Biology, 2011, 9, 21.	3.8	11
71	Structure activity refinement of phenylsulfonyl piperazines as antimalarials that block erythrocytic invasion. European Journal of Medicinal Chemistry, 2021, 214, 113253.	5.5	11
72	Acute Plasmodium berghei Mouse Infection Elicits Perturbed Erythropoiesis With Features That Overlap With Anemia of Chronic Disease. Frontiers in Microbiology, 2020, 11, 702.	3.5	10

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73	Truncation of Plasmodium berghei merozoite surface protein 8 does not affect in vivo blood-stage development. Molecular and Biochemical Parasitology, 2008, 159, 69-72.	1.1	8
74	Keeping it simple: an easy method for manipulating the expression levels of malaria proteins. Trends in Parasitology, 2009, 25, 4-7.	3.3	8
75	Analysis of the urease gene complex of members of the genus Yersinia. Gene, 1996, 182, 225-228.	2.2	7
76	Effect of bacterial invasion of macrophages on the outcome of assays to assess bacteriumâ€“macrophage interactions. Journal of Immunological Methods, 1998, 215, 39-44.	1.4	6
77	Methods Used to Investigate the Plasmodium falciparum Digestive Vacuole. Frontiers in Cellular and Infection Microbiology, 2021, 11, 829823.	3.9	4
78	Host Porphobilinogen Deaminase Deficiency Confers Malaria Resistance in Plasmodium chabaudi but Not in Plasmodium berghei or Plasmodium falciparum During Intraerythrocytic Growth. Frontiers in Cellular and Infection Microbiology, 2020, 10, 464.	3.9	2
79	A common protein export pathway in malaria parasites. Malaria Journal, 2010, 9, .	2.3	1
80	Advances in infection and immunity: from bench to bedside. Immunology and Cell Biology, 2012, 90, 751-754.	2.3	1
81	Spotlight on proteins that aid malaria. Nature, 2018, 561, 41-43.	27.8	1