Mats Wahlgren

List of Publications by Year
in descending order

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61	2,222	279778	233409
papers	citations	23 h-index	45 g-index

62	62	62	2465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced virulence of Plasmodium falciparum in blood of diabetic patients. PLoS ONE, 2021, 16, e0249666.	2.5	7
2	Direct contact between Plasmodium falciparum and human B-cells in a novel co-culture increases parasite growth and affects B-cell growth. Malaria Journal, 2021, 20, 303.	2.3	4
3	Red blood cell blood group A antigen level affects the ability of heparin and PfEMP1 antibodies to disrupt Plasmodium falciparum rosettes. Malaria Journal, 2021, 20, 441.	2.3	6
4	Blood group and size dependent stability of P. falciparum infected red blood cell aggregates in capillaries. Biomicrofluidics, 2020, 14, 024104.	2.4	10
5	Depleted circulatory complement-lysis inhibitor (CLI) in childhood cerebral malaria returns to normal with convalescence. Malaria Journal, 2020, 19, 167.	2.3	0
6	Effect of the ABO blood group on susceptibility to severe malaria: A systematic review and meta-analysis. Blood Reviews, 2019, 33, 53-62.	5.7	46
7	Effect of ABO blood group on asymptomatic, uncomplicated and placental Plasmodium falciparum infection: systematic review and meta-analysis. BMC Infectious Diseases, 2019, 19, 86.	2.9	16
8	Heparinoid sevuparin inhibitsStreptococcusâ€induced vascular leak through neutralizing neutrophilâ€derived proteins. FASEB Journal, 2019, 33, 10443-10452.	0.5	21
9	Antibodies in children with malaria to PfEMP1, RIFIN and SURFIN expressed at the Plasmodium falciparum parasitized red blood cell surface. Scientific Reports, 2018, 8, 3262.	3.3	18
10	Characterization of the Catalytic Subunits of the <scp>RNA</scp> Exosomeâ€like Complex in Plasmodium falciparum. Journal of Eukaryotic Microbiology, 2018, 65, 843-853.	1.7	5
11	Levels of human proteins in plasma associated with acute paediatric malaria. Malaria Journal, 2018, 17, 426.	2.3	13
12	Low plasma haptoglobin is a risk factor for life-threatening childhood severe malarial anemia and not an exclusive consequence of hemolysis. Scientific Reports, 2018, 8, 17527.	3.3	9
13	A Thioredoxin Homologous Protein of Plasmodium falciparum Participates in Erythrocyte Invasion. Infection and Immunity, 2018, 86, .	2.2	16
14	Exploring parasite heterogeneity using single-cell RNA-seq reveals a gene signature among sexual stage Plasmodium falciparum parasites. Experimental Cell Research, 2018, 371, 130-138.	2.6	31
15	ABO Blood Group Antigen Decorated Giant Unilamellar Vesicles Exhibit Distinct Interactions with Plasmodium falciparum Infected Red Blood Cells. ACS Chemical Biology, 2018, 13, 2421-2426.	3.4	7
16	SURGE complex of Plasmodium falciparum in the rhoptry-neck (SURFIN4.2-RON4-GLURP) contributes to merozoite invasion. PLoS ONE, 2018, 13, e0201669.	2.5	14
17	Factors influencing the induction of high affinity antibodies to Plasmodium falciparum merozoite antigens and how affinity changes over time. Scientific Reports, 2018, 8, 9026.	3.3	15
18	Frequent GU wobble pairings reduce translation efficiency in Plasmodium falciparum. Scientific Reports, 2017, 7, 723.	3.3	14

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19	Regulation of PfEMP1â€“VAR2CSA translation by a Plasmodium translation-enhancing factor. Nature Microbiology, 2017, 2, 17068.	13.3	25
20	Variant surface antigens of Plasmodium falciparum and their roles in severe malaria. Nature Reviews Microbiology, 2017, 15, 479-491.	28.6	186
21	Epitopes of anti-RIFIN antibodies and characterization of rif-expressing Plasmodium falciparum parasites by RNA sequencing. Scientific Reports, 2017, 7, 43190.	3.3	5
22	Development of Plasmodium falciparum specific naÃ¯ve, atypical, memory and plasma B cells during infancy and in adults in an endemic area. Malaria Journal, 2017, 16, 37.	2.3	14
23	Inhibition of merozoite invasion and transient de-sequestration by sevuparin in humans with Plasmodium falciparum malaria. PLoS ONE, 2017, 12, e0188754.	2.5	41
24	Effects of sevuparin on rosette formation and cytoadherence of Plasmodium falciparum infected erythrocytes. PLoS ONE, 2017, 12, e0172718.	2.5	33
25	Acquisition, maintenance and adaptation of invasion inhibitory antibodies against Plasmodium falciparum invasion ligands involved in immune evasion. PLoS ONE, 2017, 12, e0182187.	2.5	10
26	Phagocytosis-inducing antibodies to Plasmodium falciparum upon immunization with a recombinant PfEMP1 NTS-DBL1Î± domain. Malaria Journal, 2016, 15, 416.	2.3	6
27	Rosette-Disrupting Effect of an Anti-Plasmodial Compound for the Potential Treatment of Plasmodium falciparum Malaria Complications. Scientific Reports, 2016, 6, 29317.	3.3	17
28	Development of drug-loaded immunoliposomes for the selective targeting and elimination of rosetting Plasmodium falciparum- infected red blood cells. Journal of Controlled Release, 2016, 241, 57-67.	9.9	27
29	The TatD-like DNase of Plasmodium is a virulence factor and a potential malaria vaccine candidate. Nature Communications, 2016, 7, 11537.	12.8	50
30	ARAM: an automated image analysis software to determine rosetting parameters and parasitaemia in Plasmodium samples. Malaria Journal, 2016, 15, 223.	2.3	2
31	Architecture of Human IgM in Complex with P.Âfalciparum Erythrocyte Membrane Protein 1. Cell Reports, 2016, 14, 723-736.	6.4	46
32	Novel flow cytometry technique for detection of Plasmodium falciparum specific B-cells in humans: increased levels of specific B-cells in ongoing infection. Malaria Journal, 2015, 14, 370.	2.3	9
33	Binding of Subdomains 1/2 of PfEMP1-DBL1Î± to Heparan Sulfate or Heparin Mediates Plasmodium falciparum Rosetting. PLoS ONE, 2015, 10, e0118898.	2.5	23
34	Parasite Specific Antibody Increase Induced by an Episode of Acute P. falciparum Uncomplicated Malaria. PLoS ONE, 2015, 10, e0124297.	2.5	4
35	RIFINs are adhesins implicated in severe Plasmodium falciparum malaria. Nature Medicine, 2015, 21, 314-317.	30.7	166
36	Differences in affinity of monoclonal and naturally acquired polyclonal antibodies against Plasmodium falciparum merozoite antigens. BMC Microbiology, 2015, 15, 133.	3.3	13

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37	Evasion of Immunity to Plasmodium falciparum: Rosettes of Blood Group A Impair Recognition of PfEMP1. PLoS ONE, 2015, 10, e0145120.	2.5	42
38	B-Cell Epitopes in NTS-DBL1Î± of PfEMP1 Recognized by Human Antibodies in Rosetting Plasmodium falciparum. PLoS ONE, 2014, 9, e113248.	2.5	6
39	Affinity Proteomics Reveals Elevated Muscle Proteins in Plasma of Children with Cerebral Malaria. PLoS Pathogens, 2014, 10, e1004038.	4.7	40
40	A comparative study on the heparinâ€binding proteomes of Toxoplasma gondii and Plasmodium falciparum. Proteomics, 2014, 14, 1737-1745.	2.2	10
41	Thevar3genes ofPlasmodium falciparum3D7 strain are differentially expressed in infected erythrocytes. Parasite, 2014, 21, 19.	2.0	10
42	A Sequence in Subdomain 2 of DBL1Î± of Plasmodium falciparum Erythrocyte Membrane Protein 1 Induces Strain Transcending Antibodies. PLoS ONE, 2013, 8, e52679.	2.5	10
43	Erratum to â€œMalaria Burden in Pregnancy at Mulago National Referral Hospital in Kampala, Ugandaâ€. Malaria Research and Treatment, 2011, 2011, 1-2.	2.0	0
44	Effect of Acute Plasmodium falciparum Malaria on Reactivation and Shedding of the Eight Human Herpes Viruses. PLoS ONE, 2011, 6, e26266.	2.5	33
45	Carolus Linnaeus, the ash, worm-wood and other anti-malarial plants. Scandinavian Journal of Infectious Diseases, 2010, 42, 941-942.	1.5	5
46	Endemic Burkitt's lymphoma as a polymicrobial disease. Seminars in Cancer Biology, 2009, 19, 411-420.	9.6	71
47	Default Pathway of var2csa Switching and Translational Repression in Plasmodium falciparum. PLoS ONE, 2008, 3, e1982.	2.5	57
48	Genome wide gene amplifications and deletions in Plasmodium falciparum. Molecular and Biochemical Parasitology, 2007, 155, 33-44.	1.1	68
49	Enlistment of omics technologies in the fight against malaria: Panacea or Pandora's Box?. Journal of Pesticide Sciences, 2006, 31, 263-272.	1.4	3
50	Release of Sequestered Malaria Parasites upon Injection of a Glycosaminoglycan. PLoS Pathogens, 2006, 2, e100.	4.7	90
51	Sticky sugars attract malaria to the fetus. Nature Medicine, 2000, 6, 25-26.	30.7	4
52	The Semiconserved Head Structure of Plasmodium falciparum Erythrocyte Membrane Protein 1 Mediates Binding to Multiple Independent Host Receptors. Journal of Experimental Medicine, 2000, 192, 1-10.	8.5	223
53	Malaria A blueprint of â€˜bad airâ€™. Nature, 1999, 400, 506-507.	27.8	27
54	Creating deaths from malaria. Nature Genetics, 1999, 22, 120-121.	21.4	9

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55	Rouleaux-Forming Serum Proteins Are Involved in the Rosetting of Plasmodium falciparum-Infected Erythrocytes. Experimental Parasitology, 1999, 93, 215-224.	1.2	39
56	CELL-TO-CELL INTERACTIONS OF IMPORTANCE FOR THE DEVELOPMENT OF SEVERE Plasmodium falciparum MALARIA. Biochemical Society Transactions, 1999, 27, A85-A85.	3.4	0
57	PECAM-1/CDS31, an endothelial receptor for binding Plasmodium falciparum-infected erythrocytes. Nature Medicine, 1997, 3, 1405-1408.	30.7	201
58	Novel fibrillar structure confers adhesive property to malariaâ€“infected erythrocytes. Nature Medicine, 1996, 2, 204-208.	30.7	101
59	Rheological properties of rosettes formed by red blood cells parasitized by Plasmodium falciparum. British Journal of Haematology, 1992, 82, 757-763.	2.5	49
60	Rosette Formation in Plasmodium falciparum Isolates and Anti-Rosette Activity of Sera from Gambians with Cerebral or Uncomplicated Malaria. American Journal of Tropical Medicine and Hygiene, 1992, 46, 503-510.	1.4	149
61	Effect of Different Fractions of Heparin on Plasmodium falciparum Merozoite Invasion of Red Blood Cells in Vitro. American Journal of Tropical Medicine and Hygiene, 1992, 46, 589-594.	1.4	45