Alan F Cowman

List of Publications by Year
in descending order

245 papers	27,918 citations	3531 90 h-index	6836 155 g-index
246 all docs	246 docs citations	246 times ranked	11873 citing authors

#	Article	IF	Citations
1	RhopH2 and RhopH3 export enables assembly of the RhopH complex on P. falciparum-infected erythrocyte membranes. Communications Biology, 2022, 5, 333.	4.4	5
2	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
3	Basis for drug selectivity of plasmepsin IX and X inhibition in Plasmodium falciparum and vivax. Structure, 2022, 30, 947-961.e6.	3.3	9
4	Molecular profiling reveals features of clinical immunity and immunosuppression in asymptomatic P. falciparum malaria. Molecular Systems Biology, 2022, 18, e10824.	7.2	9
5	4D analysis of malaria parasite invasion offers insights into erythrocyte membrane remodeling and parasitophorous vacuole formation. Nature Communications, 2021, 12, 3620.	12.8	38
6	High-dimensional mass cytometry identifies T cell and B cell signatures predicting reduced risk of Plasmodium vivax malaria. JCI Insight, 2021, 6, .	5.0	6
7	Safety, infectivity and immunogenicity of a genetically attenuated blood-stage malaria vaccine. BMC Medicine, 2021, 19, 293.	5.5	6
8	Development and application of a high-throughput screening assay for identification of small molecule inhibitors of the P. falciparum reticulocyte binding-like homologue 5 protein. International Journal for Parasitology: Drugs and Drug Resistance, 2020, 14, 188-200.	3.4	2
9	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
10	Pan-active imidazolopiperazine antimalarials target the Plasmodium falciparum intracellular secretory pathway. Nature Communications, 2020, 11, 1780.	12.8	27
11	A 4-cyano-3-methylisoquinoline inhibitor of Plasmodium falciparum growth targets the sodium efflux pump PfATP4. Scientific Reports, 2019, 9, 10292.	3.3	20
12	Guided STED nanoscopy enables super-resolution imaging of blood stage malaria parasites. Scientific Reports, 2019, 9, 4674.	3.3	17
13	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
14	The Metabolite Repair Enzyme Phosphoglycolate Phosphatase Regulates Central Carbon Metabolism and Fosmidomycin Sensitivity in Plasmodium falciparum. MBio, 2019, 10, .	4.1	16
15	Protein Kinase A Is Essential for Invasion of Plasmodium falciparum into Human Erythrocytes. MBio, 2019, 10, .	4.1	40
16	Inhibition of Plasmepsin V Activity Blocks Plasmodium falciparum Gametocytogenesis and Transmission to Mosquitoes. Cell Reports, 2019, 29, 3796-3806.e4.	6.4	25
17	Structure of Plasmodium falciparum Rh5â€“CyRPAâ€“Ripr invasion complex. Nature, 2019, 565, 118-121.	27.8	74
18	Evidence that the Plasmodium falciparum Protein Sortilin Potentially Acts as an Escorter for the Trafficking of the Rhoptry-Associated Membrane Antigen to the Rhoptries. MSphere, 2018, 3, .	2.9	18

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19	A bioreactor system for the manufacture of a genetically modified Plasmodium falciparum blood stage malaria cell bank for use in a clinical trial. Malaria Journal, 2018, 17, 283.	2.3	12
20	Enhanced antimalarial activity of plasmepsin V inhibitors by modification of the P 2 position of PEXEL peptidomimetics. European Journal of Medicinal Chemistry, 2018, 154, 182-198.	5.5	26
21	Cryo-EM structure of an essential Plasmodium vivax invasion complex. Nature, 2018, 559, 135-139.	27.8	43
22	Plasmepsin V cleaves malaria effector proteins in a distinct endoplasmic reticulum translocation interactome for export to the erythrocyte. Nature Microbiology, 2018, 3, 1010-1022.	13.3	59
23	Vaccines to Accelerate Malaria Elimination and Eventual Eradication. Cold Spring Harbor Perspectives in Medicine, 2017, 7, a025627.	6.2	28
24	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
25	Mefloquine targets the Plasmodium falciparum 80S ribosome to inhibit protein synthesis. Nature Microbiology, 2017, 2, 17031.	13.3	128
26	The Molecular Basis of Erythrocyte Invasion by Malaria Parasites. Cell Host and Microbe, 2017, 22, 232-245.	11.0	242
27	Plasmodium falciparum ligand binding to erythrocytes induce alterations in deformability essential for invasion. ELife, 2017, 6, .	6.0	57
28	Structural basis for inhibition of erythrocyte invasion by antibodies to Plasmodium falciparum protein CyRPA. ELife, 2017, 6, .	6.0	47
29	Identification of highly-protective combinations of Plasmodium vivax recombinant proteins for vaccine development. ELife, 2017, 6, .	6.0	64
30	Localization-based imaging of malarial antigens during red cell entry reaffirms role for AMA1 but not MTRAP in invasion. Journal of Cell Science, 2016, 129, 228-42.	2.0	16
31	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
32	Exploration of the P 3 region of PEXEL peptidomimetics leads to a potent inhibitor of the Plasmodium protease, plasmepsin V. Bioorganic and Medicinal Chemistry, 2016, 24, 1993-2010.	3.0	14
33	Different Regions ofPlasmodium falciparumErythrocyte-Binding Antigen 175 Induce Antibody Responses to Infection of Varied Efficacy. Journal of Infectious Diseases, 2016, 214, 96-104.	4.0	11
34	Merozoite Antigens of Plasmodium falciparum Elicit Strain-Transcending Opsonizing Immunity. Infection and Immunity, 2016, 84, 2175-2184.	2.2	39
35	Multiple Plasmodium falciparum Merozoite Surface Protein 1 Complexes Mediate Merozoite Binding to Human Erythrocytes. Journal of Biological Chemistry, 2016, 291, 7703-7715.	3.4	70
36	Vaccine Development. , 2016, , 509-525.		0

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37	Malaria: Biology and Disease. Cell, 2016, 167, 610-624.	28.9	576
38	Contrasting Patterns of Serologic and Functional Antibody Dynamics to Plasmodium falciparum Antigens in a Kenyan Birth Cohort. Vaccine Journal, 2016, 23, 104-116.	3.1	24
39	Export of malaria proteins requires co-translational processing of the PEXEL motif independent of phosphatidylinositol-3-phosphate binding. Nature Communications, 2016, 7, 10470.	12.8	65
40	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
41	Antibodies to thePlasmodium falciparumProteins MSPDBL1 and MSPDBL2 Opsonize Merozoites, Inhibit Parasite Growth, and Predict Protection From Clinical Malaria. Journal of Infectious Diseases, 2015, 212, 406-415.	4.0	29
42	Structural basis for plasmepsin V inhibition that blocks export of malaria proteins to human erythrocytes. Nature Structural and Molecular Biology, 2015, 22, 590-596.	8.2	93
43	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
44	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
45	The effect of N-methylation on transition state mimetic inhibitors of the Plasmodium protease, plasmepsin V. MedChemComm, 2015, 6, 437-443.	3.4	16
46	Plasmodium falciparum Adhesins Play an Essential Role in Signalling and Activation of Invasion into Human Erythrocytes. PLoS Pathogens, 2015, 11, e1005343.	4.7	41
47	Crystal structure of PfRh5, an essential P. falciparum ligand for invasion of human erythrocytes. ELife, 2014, 3, .	6.0	53
48	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
49	The Merozoite Surface Protein 1 Complex Is a Platform for Binding to Human Erythrocytes by Plasmodium falciparum. Journal of Biological Chemistry, 2014, 289, 25655-25669.	3.4	45
50	Insights and controversies into the role of the key apicomplexan invasion ligand, Apical Membrane Antigen 1. International Journal for Parasitology, 2014, 44, 853-857.	3.1	33
51	Inhibition of Plasmepsin V Activity Demonstrates Its Essential Role in Protein Export, PfEMP1 Display, and Survival of Malaria Parasites. PLoS Biology, 2014, 12, e1001897.	5.6	121
52	Association of antibodies to Plasmodium falciparum reticulocyte binding protein homolog 5 with protection from clinical malaria. Frontiers in Microbiology, 2014, 5, 314.	3.5	41
53	Conditional expression of apical membrane antigen 1 in <scp> P </scp> lasmodium falciparum shows it is required for erythrocyte invasion by merozoites. Cellular Microbiology, 2014, 16, 642-656.	2.1	94
54	Transition State Mimetics of the Plasmodium Export Element Are Potent Inhibitors of Plasmepsin V from P. falciparum and P. vivax. Journal of Medicinal Chemistry, 2014, 57, 7644-7662.	6.4	46

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55	<scp>P</scp>lasmodium falciparum is dependent on de novo <scp>myo</scp>â€inositol biosynthesis for assembly of <scp>GPI</scp> glycolipids and infectivity. Molecular Microbiology, 2014, 91, 762-776.	2.5	14
56	Export of virulence proteins by malaria-infected erythrocytes involves remodeling of host actin cytoskeleton. Blood, 2014, 124, 3459-3468.	1.4	68
57	Plasmodium Nesting: Remaking the Erythrocyte from the Inside Out. Annual Review of Microbiology, 2013, 67, 243-269.	7.3	99
58	Electron tomography ofPlasmodium falciparummerozoites reveals core cellular events that underpin erythrocyte invasion. Cellular Microbiology, 2013, 15, 1457-1472.	2.1	82
59	Cell-Cell Communication between Malaria-Infected Red Blood Cells via Exosome-like Vesicles. Cell, 2013, 153, 1120-1133.	28.9	508
60	Kinetic Flux Profiling Elucidates Two Independent Acetyl-CoA Biosynthetic Pathways in Plasmodium falciparum. Journal of Biological Chemistry, 2013, 288, 36338-36350.	3.4	79
61	Spatial association with PTEX complexes defines regions for effector export into Plasmodium falciparum-infected erythrocytes. Nature Communications, 2013, 4, 1415.	12.8	79
62	Role of Plasmepsin V in Export of Diverse Protein Families from the Plasmodium falciparum Exportome. Traffic, 2013, 14, 532-550.	2.7	127
63	Erythrocyte-Binding Antigens of Plasmodium falciparum Are Targets of Human Inhibitory Antibodies and Function To Evade Naturally Acquired Immunity. Journal of Immunology, 2013, 191, 785-794.	0.8	62
64	Identification and Prioritization of Merozoite Antigens as Targets of Protective Human Immunity to Plasmodium falciparum Malaria for Vaccine and Biomarker Development. Journal of Immunology, 2013, 191, 795-809.	0.8	213
65	Vaccination with Conserved Regions of Erythrocyte-Binding Antigens Induces Neutralizing Antibodies against Multiple Strains of Plasmodium falciparum. PLoS ONE, 2013, 8, e72504.	2.5	51
66	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
67	Insights into Duffy Binding-like Domains through the Crystal Structure and Function of the Merozoite Surface Protein MSPDBL2 from Plasmodium falciparum. Journal of Biological Chemistry, 2012, 287, 32922-32939.	3.4	34
68	Antibodies against a Plasmodium falciparum antigen PfMSPDBL1 inhibit merozoite invasion into human erythrocytes. Vaccine, 2012, 30, 1972-1980.	3.8	31
69	PfSET10, a Plasmodium falciparum Methyltransferase, Maintains the Active var Gene in a Poised State during Parasite Division. Cell Host and Microbe, 2012, 11, 7-18.	11.0	124
70	The cellular and molecular basis for malaria parasite invasion of the human red blood cell. Journal of Cell Biology, 2012, 198, 961-971.	5.2	285
71	Spatial Localisation of Actin Filaments across Developmental Stages of the Malaria Parasite. PLoS ONE, 2012, 7, e32188.	2.5	69
72	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

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73	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
74	Biochemical and Functional Analysis of Two Plasmodium falciparum Blood-Stage 6-Cys Proteins: P12 and P41. PLoS ONE, 2012, 7, e41937.	2.5	49
75	Targets of antibodies against Plasmodium falciparumâ€"infected erythrocytes in malaria immunity. Journal of Clinical Investigation, 2012, 122, 3227-3238.	8.2	187
76	Erythrocyte and reticulocyte binding-like proteins of Plasmodium falciparum. Trends in Parasitology, 2012, 28, 23-30.	3.3	148
77	Plasmodium falciparumcentromeres display a unique epigenetic makeup and cluster prior to and during schizogony. Cellular Microbiology, 2012, 14, 1391-1401.	2.1	74
78	Investigation of the Plasmodium falciparum Food Vacuole through Inducible Expression of the Chloroquine Resistance Transporter (PfCRT). PLoS ONE, 2012, 7, e38781.	2.5	24
79	Defining the Antigenic Diversity of Plasmodium falciparum Apical Membrane Antigen 1 and the Requirements for a Multi-Allele Vaccine against Malaria. PLoS ONE, 2012, 7, e51023.	2.5	65
80	Efficient Measurement of Opsonising Antibodies to Plasmodium falciparum Merozoites. PLoS ONE, 2012, 7, e51692.	2.5	30
81	Revealing a Parasite's Invasive Trick. Science, 2011, 333, 410-411.	12.6	11
82	Super-Resolution Dissection of Coordinated Events during Malaria Parasite Invasion of the Human Erythrocyte. Cell Host and Microbe, 2011, 9, 9-20.	11.0	303
83	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
84	Disruption of the Plasmodium falciparum liver-stage antigen-1 locus causes a differentiation defect in late liver-stage parasites. Cellular Microbiology, 2011, 13, 1250-1260.	2.1	51
85	Has the time come for us to complement our malaria parasites?. Trends in Parasitology, 2011, 27, 1-2.	3.3	19
86	Gene deletion from Plasmodium falciparum using FLP and Cre recombinases: Implications for applied site-specific recombination. International Journal for Parasitology, 2011, 41, 117-123.	3.1	35
87	Discovery of GAMA, a Plasmodium falciparum Merozoite Micronemal Protein, as a Novel Blood-Stage Vaccine Candidate Antigen. Infection and Immunity, 2011, 79, 4523-4532.	2.2	69
88	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
89	A Genome-wide Chromatin-associated Nuclear Peroxiredoxin from the Malaria Parasite Plasmodium falciparum. Journal of Biological Chemistry, 2011, 286, 11746-11755.	3.4	46
90	A Tail of Division. Science, 2011, 331, 409-410.	12.6	3

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91	Expression of P. falciparum var Genes Involves Exchange of the Histone Variant H2A.Z at the Promoter. PLoS Pathogens, 2011, 7, e1001292.	4.7	95
92	Plasmodium falciparum Merozoite Invasion Is Inhibited by Antibodies that Target the PfRh2a and b Binding Domains. PLoS Pathogens, 2011, 7, e1002075.	4.7	43
93	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
94	Quantitative in vivo Analyses Reveal Calcium-dependent Phosphorylation Sites and Identifies a Novel Component of the Toxoplasma Invasion Motor Complex. PLoS Pathogens, 2011, 7, e1002222.	4.7	85
95	Potential epigenetic regulatory proteins localise to distinct nuclear sub-compartments in Plasmodium falciparum. International Journal for Parasitology, 2010, 40, 109-121.	3.1	71
96	An aspartyl protease directs malaria effector proteins to the host cell. Nature, 2010, 463, 627-631.	27.8	289
97	Moving in and renovating: exporting proteins from Plasmodium into host erythrocytes. Nature Reviews Microbiology, 2010, 8, 617-621.	28.6	82
98	Evidence That the Erythrocyte Invasion Ligand PfRh2 is a Target of Protective Immunity against Plasmodium falciparum Malaria. Journal of Immunology, 2010, 185, 6157-6167.	0.8	84
99	Plasmodium falciparum PF10_0164 (ETRAMP10.3) Is an Essential Parasitophorous Vacuole and Exported Protein in Blood Stages. Eukaryotic Cell, 2010, 9, 784-794.	3.4	36
100	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
101	Association between Naturally Acquired Antibodies to Erythrocyteâ€Binding Antigens ofPlasmodium falciparumand Protection from Malaria and Highâ€Density Parasitemia. Clinical Infectious Diseases, 2010, 51, e50-e60.	5.8	184
102	Interaction between Plasmodium falciparum Apical Membrane Antigen 1 and the Rhoptry Neck Protein Complex Defines a Key Step in the Erythrocyte Invasion Process of Malaria Parasites. Journal of Biological Chemistry, 2010, 285, 14815-14822.	3.4	216
103	Protein Kinase A Dependent Phosphorylation of Apical Membrane Antigen 1 Plays an Important Role in Erythrocyte Invasion by the Malaria Parasite. PLoS Pathogens, 2010, 6, e1000941.	4.7	124
104	That Was Then But This Is Now: Malaria Research in the Time of an Eradication Agenda. Science, 2010, 328, 862-866.	12.6	209
105	Preerythrocytic, live-attenuated Plasmodium falciparum vaccine candidates by design. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13004-13009.	7.1	164
106	Molecular genetics and comparative genomics reveal RNAi is not functional in malaria parasites. Nucleic Acids Research, 2009, 37, 3788-3798.	14.5	177
107	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
108	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

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109	Plasmodium falciparum Heterochromatin Protein 1 Marks Genomic Loci Linked to Phenotypic Variation of Exported Virulence Factors. PLoS Pathogens, 2009, 5, e1000569.	4.7	243
110	Sir2 Paralogues Cooperate to Regulate Virulence Genes and Antigenic Variation in Plasmodium falciparum. PLoS Biology, 2009, 7, e1000084.	5.6	211
111	Identification of Rhoptry Trafficking Determinants and Evidence for a Novel Sorting Mechanism in the Malaria Parasite Plasmodium falciparum. PLoS Pathogens, 2009, 5, e1000328.	4.7	70
112	Polymorphisms in Erythrocyte Binding Antigens 140 and 181 Affect Function and Binding but Not Receptor Specificity in Plasmodium falciparum. Infection and Immunity, 2009, 77, 1689-1699.	2.2	57
113	Reticulocyte-binding protein homologue 5 â€“ An essential adhesin involved in invasion of human erythrocytes by Plasmodium falciparum. International Journal for Parasitology, 2009, 39, 371-380.	3.1	222
114	Analysis of structure and function of the giant protein Pf332 in Plasmodium falciparum. Molecular Microbiology, 2009, 71, 48-65.	2.5	36
115	Cooperativity between Plasmodium falciparum adhesive proteins for invasion into erythrocytes. Molecular Microbiology, 2009, 72, 578-589.	2.5	26
116	A newly discovered protein export machine in malaria parasites. Nature, 2009, 459, 945-949.	27.8	437
117	Role of the Plasmodium Export Element in Trafficking Parasite Proteins to the Infected Erythrocyte. Traffic, 2009, 10, 285-299.	2.7	164
118	Type II fatty acid synthesis is essential only for malaria parasite late liver stage development. Cellular Microbiology, 2009, 11, 506-520.	2.1	355
119	Reticulocyte binding protein homologues are key adhesins during erythrocyte invasion byPlasmodium falciparum. Cellular Microbiology, 2009, 11, 1671-1687.	2.1	56
120	Malaria parasite proteins that remodel the host erythrocyte. Nature Reviews Microbiology, 2009, 7, 341-354.	28.6	340
121	Spatial dissection of the cisâ€•and transâ€Golgi compartments in the malaria parasite Plasmodium falciparum. Molecular Microbiology, 2008, 67, 1320-1330.	2.5	38
122	The Maurer's cleft protein MAHRP1 is essential for trafficking of PfEMP1 to the surface of Plasmodium falciparumâ€infected erythrocytes. Molecular Microbiology, 2008, 68, 1300-1314.	2.5	94
123	Exported Proteins Required for Virulence and Rigidity of Plasmodium falciparum-Infected Human Erythrocytes. Cell, 2008, 134, 48-61.	28.9	450
124	A Malaria Parasite Formin Regulates Actin Polymerization and Localizes to the Parasite-Erythrocyte Moving Junction during Invasion. Cell Host and Microbe, 2008, 3, 188-198.	11.0	105
125	Alveolins, a New Family of Cortical Proteins that Define the Protist Infrakingdom Alveolata. Molecular Biology and Evolution, 2008, 25, 1219-1230.	8.9	184
126	Characterization of a Conserved Rhoptry-Associated Leucine Zipper-Like Protein in the Malaria Parasite Plasmodium falciparum. Infection and Immunity, 2008, 76, 879-887.	2.2	32

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127	Evolution of malaria parasite plastid targeting sequences. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4781-4785.	7.1	57
128	Plasmodium falciparumpossesses two GRASP proteins that are differentially targeted to the Golgi complex via a higher- and lower-eukaryote-like mechanism. Journal of Cell Science, 2008, 121, 2123-2129.	2.0	35
129	Variation in use of erythrocyte invasion pathways by Plasmodium falciparum mediates evasion of human inhibitory antibodies. Journal of Clinical Investigation, 2008, 118, 342-351.	8.2	166
130	Inhibition of Dendritic Cell Maturation by Malaria Is Dose Dependent and Does Not Require Plasmodium falciparum Erythrocyte Membrane Protein 1. Infection and Immunity, 2007, 75, 3621-3632.	2.2	90
131	Skeleton-binding protein 1 functions at the parasitophorous vacuole membrane to traffic PfEMP1 to the Plasmodium falciparumâ€“infected erythrocyte surface. Blood, 2007, 109, 1289-1297.	1.4	138
132	Plasmodium falciparum Erythrocyte Membrane Protein-1 Specifically Suppresses Early Production of Host Interferon-Î³. Cell Host and Microbe, 2007, 2, 130-138.	11.0	52
133	Alterations in local chromatin environment are involved in silencing and activation of subtelomeric var genes in Plasmodium falciparum. Molecular Microbiology, 2007, 66, 139-150.	2.5	39
134	Re-assessing the locations of components of the classical vesicle-mediated trafficking machinery in transfected Plasmodium falciparum. International Journal for Parasitology, 2007, 37, 1127-1141.	3.1	37
135	Food vacuole targeting and trafficking of falcipain-2, an important cysteine protease of human malaria parasite Plasmodium falciparum. Molecular and Biochemical Parasitology, 2007, 156, 12-23.	1.1	26
136	Lineage-specific expansion of proteins exported to erythrocytes in malaria parasites. Genome Biology, 2006, 7, R12.	9.6	365
137	A Conserved Molecular Motor Drives Cell Invasion and Gliding Motility across Malaria Life Cycle Stages and Other Apicomplexan Parasites. Journal of Biological Chemistry, 2006, 281, 5197-5208.	3.4	317
138	Invasion of Red Blood Cells by Malaria Parasites. Cell, 2006, 124, 755-766.	28.9	772
139	Protein targeting to destinations of the secretory pathway in the malaria parasite Plasmodium falciparum. Current Opinion in Microbiology, 2006, 9, 381-387.	5.1	47
140	The role of KAHRP domains in knob formation and cytoadherence of P falciparum-infected human erythrocytes. Blood, 2006, 108, 370-378.	1.4	135
141	Evidence that Plasmodium falciparum chromosome end clusters are cross-linked by protein and are the sites of both virulence gene silencing and activation. Molecular Microbiology, 2006, 62, 72-83.	2.5	47
142	Regulation of apicomplexan actin-based motility. Nature Reviews Microbiology, 2006, 4, 621-628.	28.6	151
143	A var gene promoter controls allelic exclusion of virulence genes in Plasmodium falciparum malaria. Nature, 2006, 439, 1004-1008.	27.8	245
144	VAR2CSA is the principal ligand for chondroitin sulfate A in two allogeneic isolates of Plasmodium falciparum. Molecular and Biochemical Parasitology, 2006, 148, 117-124.	1.1	105

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145	Negative selection using yeast cytosine deaminase/uracil phosphoribosyl transferase in Plasmodium falciparum for targeted gene deletion by double crossover recombination. Molecular and Biochemical Parasitology, 2006, 150, 118-121.	1.1	97
146	A Conserved Region in the EBL Proteins Is Implicated in Microneme Targeting of the Malaria ParasitePlasmodium falciparum. Journal of Biological Chemistry, 2006, 281, 31995-32003.	3.4	58
147	Delivery of the Malaria Virulence Protein PfEMP1 to the Erythrocyte Surface Requires Cholesterol-Rich Domains. Eukaryotic Cell, 2006, 5, 849-860.	3.4	60
148	Genesis of and Trafficking to the Maurer's Clefts of Plasmodium falciparum -Infected Erythrocytes. Molecular and Cellular Biology, 2006, 26, 4074-4085.	2.3	104
149	A Conserved Region in the EBL Proteins Is Implicated in Microneme Targeting of the Malaria Parasite Plasmodium falciparum. Journal of Biological Chemistry, 2006, 281, 31995-32003.	3.4	13
150	Trafficking of the major virulence factor to the surface of transfected P falciparumâ€“infected erythrocytes. Blood, 2005, 105, 4078-4087.	1.4	124
151	Cellular adhesive phenomena in apicomplexan parasites of red blood cells. Veterinary Parasitology, 2005, 132, 273-295.	1.8	40
152	Development of the endoplasmic reticulum, mitochondrion and apicoplast during the asexual life cycle ofPlasmodium falciparum. Molecular Microbiology, 2005, 57, 405-419.	2.5	243
153	Trafficking determinants for PfEMP3 export and assembly under thePlasmodium falciparum-infected red blood cell membrane. Molecular Microbiology, 2005, 58, 1039-1053.	2.5	47
154	Characterisation of two novel proteins from the asexual stage of Plasmodium falciparum, H101 and H103. Molecular and Biochemical Parasitology, 2005, 139, 141-151.	1.1	31
155	Targeted disruption of maebl in Plasmodium falciparum. Molecular and Biochemical Parasitology, 2005, 141, 113-117.	1.1	9
156	Function of the plasmodium export element can be blocked by green fluorescent protein. Molecular and Biochemical Parasitology, 2005, 142, 258-262.	1.1	41
157	Invasion by P. falciparum Merozoites Suggests a Hierarchy of Molecular Interactions. PLoS Pathogens, 2005, 1, e37.	4.7	119
158	Molecular Mechanism for Switching of P. falciparum Invasion Pathways into Human Erythrocytes. Science, 2005, 309, 1384-1387.	12.6	247
159	Re-defining the Golgi complex in Plasmodium falciparum using the novel Golgi marker PfGRASP. Journal of Cell Science, 2005, 118, 5603-5613.	2.0	88
160	Functional Analysis of Plasmodium falciparum Apical Membrane Antigen 1 Utilizing Interspecies Domains. Infection and Immunity, 2005, 73, 2444-2451.	2.2	33
161	Signal-mediated export of proteins from the malaria parasite to the host erythrocyte. Journal of Cell Biology, 2005, 171, 587-592.	5.2	120
162	Heterochromatin Silencing and Locus Repositioning Linked to Regulation of Virulence Genes in Plasmodium falciparum. Cell, 2005, 121, 13-24.	28.9	412

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