Stuart A Ralph

List of Publications by Year
in descending order

99 papers	13,651 citations	38742 50 h-index	39675 94 g-index
106 all docs	106 docs citations	106 times ranked	10489 citing authors

#	Article	IF	Citations
1	Genome sequence of the human malaria parasite Plasmodium falciparum. Nature, 2002, 419, 498-511.	27.8	3,881
2	Comparative genomics of the neglected human malaria parasite Plasmodium vivax. Nature, 2008, 455, 757-763.	27.8	756
3	Metabolic maps and functions of the Plasmodium falciparum apicoplast. Nature Reviews Microbiology, 2004, 2, 203-216.	28.6	560
4	Telomeric Heterochromatin Propagation and Histone Acetylation Control Mutually Exclusive Expression of Antigenic Variation Genes in Malaria Parasites. Cell, 2005, 121, 25-36.	28.9	432
5	Dissecting Apicoplast Targeting in the Malaria Parasite Plasmodium falciparum. Science, 2003, 299, 705-708.	12.6	425
6	Trafficking and assembly of the cytoadherence complex in Plasmodium falciparum-infected human erythrocytes. EMBO Journal, 2001, 20, 5636-5649.	7.8	345
7	Genome Sequence of Theileria parva, a Bovine Pathogen That Transforms Lymphocytes. Science, 2005, 309, 134-137.	12.6	309
8	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
9	Genomic-scale prioritization of drug targets: the TDR Targets database. Nature Reviews Drug Discovery, 2008, 7, 900-907.	46.4	282
10	Artemisinin Action and Resistance in Plasmodium falciparum. Trends in Parasitology, 2016, 32, 682-696.	3.3	271
11	Isolation of viable <i>Plasmodium falciparum</i> merozoites to define erythrocyte invasion events and advance vaccine and drug development. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14378-14383.	7.1	262
12	Plasmodium falciparum Heterochromatin Protein 1 Marks Genomic Loci Linked to Phenotypic Variation of Exported Virulence Factors. PLoS Pathogens, 2009, 5, e1000569.	4.7	243
13	Phenotypic variation of Plasmodium falciparum merozoite proteins directs receptor targeting for invasion of human erythrocytes. EMBO Journal, 2003, 22, 1047-1057.	7.8	235
14	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
15	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
16	Sir2 Paralogues Cooperate to Regulate Virulence Genes and Antigenic Variation in Plasmodium falciparum. PLoS Biology, 2009, 7, e1000084.	5.6	211
17	Deciphering apicoplast targeting signals â€“ feature extraction from nuclear-encoded precursors of Plasmodium falciparum apicoplast proteins. Gene, 2001, 280, 19-26.	2.2	199
18	Artemisinin kills malaria parasites by damaging proteins and inhibiting the proteasome. Nature Communications, 2018, 9, 3801.	12.8	193

#	Article	IF	Citations
19	Antigenic variation in Plasmodium falciparum is associated with movement of var loci between subnuclear locations. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5414-5419.	7.1	179
20	A Type II Pathway for Fatty Acid Biosynthesis Presents Drug Targets in Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2003, 47, 297-301.	3.2	171
21	The apicoplast as an antimalarial drug target. Drug Resistance Updates, 2001, 4, 145-151.	14.4	164
22	Independent Translocation of Two Micronemal Proteins in Developing Plasmodium falciparum Merozoites. Infection and Immunity, 2002, 70, 5751-5758.	2.2	156
23	Identification of Attractive Drug Targets in Neglected-Disease Pathogens Using an In Silico Approach. PLoS Neglected Tropical Diseases, 2010, 4, e804.	3.0	141
24	Organellar proteomics reveals hundreds of novel nuclear proteins in the malaria parasite Plasmodium falciparum. Genome Biology, 2012, 13, R108.	9.6	139
25	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
26	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
27	Mefloquine targets the Plasmodium falciparum 80S ribosome to inhibit protein synthesis. Nature Microbiology, 2017, 2, 17031.	13.3	128
28	Membrane transporters in the relict plastid of malaria parasites. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 9572-9577.	7.1	126
29	Properties and prediction of mitochondrial transit peptides from Plasmodium falciparum. Molecular and Biochemical Parasitology, 2003, 132, 59-66.	1.1	120
30	Aminoacyl-tRNA synthetases as drug targets in eukaryotic parasites. International Journal for Parasitology: Drugs and Drug Resistance, 2014, 4, 1-13.	3.4	116
31	Decreased K13 Abundance Reduces Hemoglobin Catabolism and Proteotoxic Stress, Underpinning Artemisinin Resistance. Cell Reports, 2019, 29, 2917-2928.e5.	6.4	113
32	TDR Targets: a chemogenomics resource for neglected diseases. Nucleic Acids Research, 2012, 40, D1118-D1127.	14.5	109
33	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
34	Electron tomography of<i>Plasmodium falciparum</i>merozoites reveals core cellular events that underpin erythrocyte invasion. Cellular Microbiology, 2013, 15, 1457-1472.	2.1	82
35	Metabolomics-Based Screening of the Malaria Box Reveals both Novel and Established Mechanisms of Action. Antimicrobial Agents and Chemotherapy, 2016, 60, 6650-6663.	3.2	82
36	Integrative proteomics and bioinformatic prediction enable a high-confidence apicoplast proteome in malaria parasites. PLoS Biology, 2018, 16, e2005895.	5.6	80

#	Article	IF	Citations
37	Protein translation in Plasmodium parasites. Trends in Parasitology, 2011, 27, 467-476.	3.3	79
38	Drug target prediction and prioritization: using orthology to predict essentiality in parasite genomes. BMC Genomics, 2010, 11, 222.	2.8	76
39	Evolutionary Pressures on Apicoplast Transit Peptides. Molecular Biology and Evolution, 2004, 21, 2183-2194.	8.9	75
40	Delayed death in the malaria parasite Plasmodium falciparum is caused by disruption of prenylation-dependent intracellular trafficking. PLoS Biology, 2019, 17, e3000376.	5.6	73
41	Potential epigenetic regulatory proteins localise to distinct nuclear sub-compartments in Plasmodium falciparum. International Journal for Parasitology, 2010, 40, 109-121.	3.1	71
42	Metabolic Dysregulation Induced in<i>Plasmodium falciparum</i>by Dihydroartemisinin and Other Front-Line Antimalarial Drugs. Journal of Infectious Diseases, 2016, 213, 276-286.	4.0	71
43	Spatial Localisation of Actin Filaments across Developmental Stages of the Malaria Parasite. PLoS ONE, 2012, 7, e32188.	2.5	69
44	Open Source Drug Discovery: Highly Potent Antimalarial Compounds Derived from the Tres Cantos Arylpyrroles. ACS Central Science, 2016, 2, 687-701.	11.3	68
45	Comparative transcriptomics of female and male gametocytes in Plasmodium berghei and the evolution of sex in alveolates. BMC Genomics, 2017, 18, 734.	2.8	68
46	Massively Parallel Sequencing and Analysis of the Necator americanus Transcriptome. PLoS Neglected Tropical Diseases, 2010, 4, e684.	3.0	66
47	Dual targeting of aminoacyl-tRNA synthetases to the apicoplast and cytosol in Plasmodium falciparum. International Journal for Parasitology, 2012, 42, 177-186.	3.1	65
48	The epigenetic control of antigenic variation in Plasmodium falciparum. Current Opinion in Microbiology, 2005, 8, 434-440.	5.1	59
49	Transcriptome analysis of antigenic variation in Plasmodium falciparum--var silencing is not dependent on antisense RNA. Genome Biology, 2005, 6, R93.	9.6	59
50	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
51	AMPK Î² subunits display isoform specific affinities for carbohydrates. FEBS Letters, 2010, 584, 3499-3503.	2.8	55
52	K13, the Cytostome, and Artemisinin Resistance. Trends in Parasitology, 2020, 36, 533-544.	3.3	54
53	A Genome-wide Chromatin-associated Nuclear Peroxiredoxin from the Malaria Parasite Plasmodium falciparum. Journal of Biological Chemistry, 2011, 286, 11746-11755.	3.4	46
54	A serineâ€“arginine-rich (SR) splicing factor modulates alternative splicing of over a thousand genes in Toxoplasma gondii. Nucleic Acids Research, 2015, 43, 4661-4675.	14.5	45

#	Article	IF	Citations
55	Cryo-electron tomography reveals four-membrane architecture of the Plasmodium apicoplast. Malaria Journal, 2013, 12, 25.	2.3	44
56	Plasmodium falciparum Merozoite Invasion Is Inhibited by Antibodies that Target the PfRh2a and b Binding Domains. PLoS Pathogens, 2011, 7, e1002075.	4.7	43
57	<i>Theileria</i> Apicoplast as a Target for Chemotherapy. Antimicrobial Agents and Chemotherapy, 2009, 53, 1213-1217.	3.2	41
58	Subcompartmentalisation of Proteins in the Rhoptries Correlates with Ordered Events of Erythrocyte Invasion by the Blood Stage Malaria Parasite. PLoS ONE, 2012, 7, e46160.	2.5	41
59	The<i>Plasmodium</i>rhoptry associated protein complex is important for parasitophorous vacuole membrane structure and intraerythrocytic parasite growth. Cellular Microbiology, 2017, 19, e12733.	2.1	39
60	Delayed Death by Plastid Inhibition in Apicomplexan Parasites. Trends in Parasitology, 2019, 35, 747-759.	3.3	35
61	Selective inhibition of apicoplast tryptophanyl-tRNA synthetase causes delayed death in Plasmodium falciparum. Scientific Reports, 2016, 6, 27531.	3.3	34
62	Reduced ribosomes of the apicoplast and mitochondrion of <i>Plasmodium</i> spp. and predicted interactions with antibiotics. Open Biology, 2014, 4, 140045.	3.6	33
63	A dual-targeted aminoacyl-tRNA synthetase in <i>Plasmodium falciparum</i> charges cytosolic and apicoplast tRNACys. Biochemical Journal, 2014, 458, 513-523.	3.7	31
64	Targeting Protein Translation in Organelles of the Apicomplexa. Trends in Parasitology, 2016, 32, 953-965.	3.3	31
65	Direct Nanopore Sequencing of mRNA Reveals Landscape of Transcript Isoforms in Apicomplexan Parasites. MSystems, 2021, 6, .	3.8	31
66	In silico prediction of antimalarial drug target candidates. International Journal for Parasitology: Drugs and Drug Resistance, 2012, 2, 191-199.	3.4	30
67	Differential sub-nuclear localisation of repressive and activating histone methyl modifications in P. falciparum. Microbes and Infection, 2009, 11, 403-407.	1.9	29
68	Alternative splicing is required for stage differentiation in malaria parasites. Genome Biology, 2019, 20, 151.	8.8	29
69	Strange organelles -Plasmodium mitochondria lack a pyruvate dehydrogenase complex. Molecular Microbiology, 2004, 55, 1-4.	2.5	27
70	Malaria Parasite Signal Peptide Peptidase is an <scp>ER</scp>â€Resident Protease Required for Growth but not for Invasion. Traffic, 2012, 13, 1457-1465.	2.7	27
71	Targeting and function of proteins mediating translation initiation in organelles of <scp><i>P</i></scp><i>lasmodium falciparum</i>. Molecular Microbiology, 2015, 96, 796-814.	2.5	24
72	Investigation of the Plasmodium falciparum Food Vacuole through Inducible Expression of the Chloroquine Resistance Transporter (PfCRT). PLoS ONE, 2012, 7, e38781.	2.5	24

#	Article	IF	Citations
73	Dynamin: The endosymbiosis ring of power?. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3557-3559.	7.1	23
74	PfCERLI1 is a conserved rhoptry associated protein essential for Plasmodium falciparum merozoite invasion of erythrocytes. Nature Communications, 2020, 11, 1411.	12.8	23
75	<i>PlasmodiumÂfalciparum</i> glucoseâ€6â€phosphate dehydrogenase 6â€phosphogluconolactonase is a potentialÂdrug target. FEBS Journal, 2015, 282, 3808-3823.	4.7	21
76	Alternative Splicing in Apicomplexan Parasites. MBio, 2019, 10, .	4.1	19
77	Large scale production of a mammalian cell derived quadrivalent hepatitis C virus like particle vaccine. Journal of Virological Methods, 2016, 236, 87-92.	2.1	18
78	3,3â€²-Disubstituted 5,5â€²-Bi(1,2,4-triazine) Derivatives with Potent in Vitro and in Vivo Antimalarial Activity. Journal of Medicinal Chemistry, 2019, 62, 2485-2498.	6.4	16
79	An FtsH Protease Is Recruited to the Mitochondrion of Plasmodium falciparum. PLoS ONE, 2013, 8, e74408.	2.5	16
80	Subcellular multitasking - multiple destinations and roles for thePlasmodiumfalcilysin protease. Molecular Microbiology, 2007, 63, 309-313.	2.5	15
81	Interaction of apicoplast-encoded elongation factor (EF) EF-Tu with nuclear-encoded EF-Ts mediates translation in the Plasmodium falciparum plastid. International Journal for Parasitology, 2011, 41, 417-427.	3.1	15
82	Determination of protein subcellular localization in apicomplexan parasites. Trends in Parasitology, 2012, 28, 546-554.	3.3	15
83	Recycling factors for ribosome disassembly in the apicoplast and mitochondrion of <scp><i>P</i></scp><i>lasmodium falciparum</i>. Molecular Microbiology, 2013, 88, 891-905.	2.5	14
84	Chromosome-level genome of Schistosoma haematobium underpins genome-wide explorations of molecular variation. PLoS Pathogens, 2022, 18, e1010288.	4.7	13
85	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
86	Nonâ€canonical metabolic pathways in the malaria parasite detected by isotopeâ€tracing metabolomics. Molecular Systems Biology, 2021, 17, e10023.	7.2	12
87	Functional Characterization of the m ⁶ A-Dependent Translational Modulator PfYTH.2 in the Human Malaria Parasite. MBio, 2021, 12, .	4.1	11
88	Plasmodium sexual differentiation: how to make a female. Molecular Microbiology, 2019, 112, 1627-1631.	2.5	9
89	Chronic arsenic exposure and microbial drug resistance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19666-19667.	7.1	7
90	The Novel bis-1,2,4-Triazine MIPS-0004373 Demonstrates Rapid and Potent Activity against All Blood Stages of the Malaria Parasite. Antimicrobial Agents and Chemotherapy, 2021, 65, e0031121.	3.2	4

#	Article	IF	Citations
91	The AAA+ ATPase p97 as a novel parasite and tuberculosis drug target. Trends in Parasitology, 2022, 38, 572-590.	3.3	4
92	Novel vacuoles in Toxoplasma. Molecular Microbiology, 2010, 76, 1335-1339.	2.5	2
93	Glycosylated compounds of parasitic protozoa. , 2010, , 203-231.		2
94	Designing and implementing chemoinformatic approaches in TDR Targets Database: linking genes to chemical compounds in tropical disease causing pathogens. BMC Bioinformatics, 2010, 11, .	2.6	1
95	The Apicoplast. , 0, , 272-289.		1
96	Is the AT-rich DNA of malaria parasites a drug target?. Trends in Pharmacological Sciences, 2022, , .	8.7	1
97	REX1 and Pf62: are they one and the same?. Parasitology Research, 2009, 104, 967-968.	1.6	0
98	Stepwise dissection of Plasmodium falciparum merozoite invasion of the human erythrocyte. Malaria Journal, 2010, 9, .	2.3	0
99	3, 2, 1, go! Cryptosporidium counts down to sex. PLoS Biology, 2022, 20, e3001638.	5.6	0