

Richard Culleton

List of Publications by Year in descending order

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96
papers

3,372
citations

172457

29
h-index

168389

53
g-index

113
all docs

113
docs citations

113
times ranked

3824
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence of Indigenous Artemisinin-Resistant <i>Plasmodium falciparum</i> in Africa. <i>New England Journal of Medicine</i> , 2017, 376, 991-993.	27.0	219
2	Outbreak of human malaria caused by <i>Plasmodium simium</i> in the Atlantic Forest in Rio de Janeiro: a molecular epidemiological investigation. <i>The Lancet Global Health</i> , 2017, 5, e1038-e1046.	6.3	179
3	African origin of the malaria parasite <i>Plasmodium vivax</i> . <i>Nature Communications</i> , 2014, 5, 3346.	12.8	167
4	Gene encoding a deubiquitinating enzyme is mutated in artesunate- and chloroquine-resistant rodent malaria parasites. <i>Molecular Microbiology</i> , 2007, 65, 27-40.	2.5	159
5	The contribution of <i>Plasmodium chabaudi</i> to our understanding of malaria. <i>Trends in Parasitology</i> , 2012, 28, 73-82.	3.3	148
6	<i>Plasmodium ovale curtisi</i> and <i>Plasmodium ovale wallikeri</i> circulate simultaneously in African communities. <i>International Journal for Parasitology</i> , 2011, 41, 677-683.	3.1	125
7	Co-infections of <i>Plasmodium knowlesi</i> , <i>P. falciparum</i> , and <i>P. vivax</i> among Humans and <i>Anopheles dirus</i> Mosquitoes, Southern Vietnam. <i>Emerging Infectious Diseases</i> , 2011, 17, 1232-1239.	4.3	125
8	Host heterogeneity is a determinant of competitive exclusion or coexistence in genetically diverse malaria infections. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1073-1080.	2.6	107
9	Big Bang in the Evolution of Extant Malaria Parasites. <i>Molecular Biology and Evolution</i> , 2008, 25, 2233-2239.	8.9	94
10	Adaptation of a visualized loop-mediated isothermal amplification technique for field detection of <i>Plasmodium vivax</i> infection. <i>Parasites and Vectors</i> , 2011, 4, 115.	2.5	94
11	A genetic approach to the de novo identification of targets of strain-specific immunity in malaria parasites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 814-819.	7.1	90
12	Competitive release of drug resistance following drug treatment of mixed <i>Plasmodium chabaudi</i> infections. <i>Malaria Journal</i> , 2004, 3, 33.	2.3	83
13	Evidence for the Transmission of <i>Plasmodium vivax</i> in the Republic of the Congo, West Central Africa. <i>Journal of Infectious Diseases</i> , 2009, 200, 1465-1469.	4.0	81
14	Failure to detect <i>Plasmodium vivax</i> in West and Central Africa by PCR species typing. <i>Malaria Journal</i> , 2008, 7, 174.	2.3	75
15	Limited Geographical Origin and Global Spread of Sulfadoxine-Resistant dhps Alleles in <i>Plasmodium falciparum</i> Populations. <i>Journal of Infectious Diseases</i> , 2011, 204, 1980-1988.	4.0	74
16	Linkage group selection: Rapid gene discovery in malaria parasites. <i>Genome Research</i> , 2005, 15, 92-97.	5.5	73
17	Genome-scale comparison of expanded gene families in <i>Plasmodium ovale wallikeri</i> and <i>Plasmodium ovale curtisi</i> with <i>Plasmodium malariae</i> and with other <i>Plasmodium</i> species. <i>International Journal for Parasitology</i> , 2016, 46, 685-696.	3.1	59
18	Malaria elimination in Malaysia and the rising threat of <i>Plasmodium knowlesi</i> . <i>Journal of Physiological Anthropology</i> , 2020, 39, 36.	2.6	56

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19	Anopheles dirus co-infection with human and monkey malaria parasites in Vietnam. International Journal for Parasitology, 2009, 39, 1533-1537.	3.1	55
20	Lipocalin 2 Bolsters Innate and Adaptive Immune Responses to Blood-Stage Malaria Infection by Reinforcing Host Iron Metabolism. Cell Host and Microbe, 2012, 12, 705-716.	11.0	50
21	Gene encoding erythrocyte binding ligand linked to blood stage multiplication rate phenotype in <i>Plasmodium yoelii yoelii</i> . Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7161-7166.	7.1	46
22	Recent independent evolution of msp1 polymorphism in <i>Plasmodium vivax</i> and related simian malaria parasites. Molecular and Biochemical Parasitology, 2007, 156, 74-79.	1.1	45
23	DNA from pre-erythrocytic stage malaria parasites is detectable by PCR in the faeces and blood of hosts. International Journal for Parasitology, 2014, 44, 467-473.	3.1	44
24	The Origins of African <i>Plasmodium vivax</i> ; Insights from Mitochondrial Genome Sequencing. PLoS ONE, 2011, 6, e29137.	2.5	42
25	Malaria parasites regulate intra-erythrocytic development duration via serpentine receptor 10 to coordinate with host rhythms. Nature Communications, 2020, 11, 2763.	12.8	41
26	African <i>Plasmodium vivax</i> : Distribution and origins. International Journal for Parasitology, 2012, 42, 1091-1097.	3.1	38
27	Artemisinin resistance in <i>Plasmodium falciparum</i> : what is it really?. Trends in Parasitology, 2013, 29, 318-320.	3.3	38
28	Humans frequently exposed to a range of non-human primate malaria parasite species through the bites of <i>Anopheles dirus</i> mosquitoes in South-central Vietnam. Parasites and Vectors, 2015, 8, 376.	2.5	36
29	A cascade of transcriptional repression determines sexual commitment and development in <i>Plasmodium falciparum</i> . Nucleic Acids Research, 2021, 49, 9264-9279.	14.5	36
30	Antimalarial Drugs Clear Resistant Parasites from Partially Immune Hosts. Antimicrobial Agents and Chemotherapy, 2001, 45, 2897-2901.	3.2	35
31	Time-Lapse Imaging of Red Blood Cell Invasion by the Rodent Malaria Parasite <i>Plasmodium yoelii</i> . PLoS ONE, 2012, 7, e50780.	2.5	33
32	Indigenous evolution of <i>Plasmodium falciparum</i> pyrimethamine resistance multiple times in Africa. Journal of Antimicrobial Chemotherapy, 2008, 63, 252-255.	3.0	31
33	The prevalence of molecular markers of drug resistance in <i>Plasmodium vivax</i> from the border regions of Thailand in 2008 and 2014. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 229-237.	3.4	30
34	An assay for the identification of <i>Plasmodium simium</i> infection for diagnosis of zoonotic malaria in the Brazilian Atlantic Forest. Scientific Reports, 2018, 8, 86.	3.3	29
35	Within-host Competition Does Not Select for Virulence in Malaria Parasites; Studies with <i>Plasmodium yoelii</i> . PLoS Pathogens, 2015, 11, e1004628.	4.7	28
36	The species specificity of immunity generated by live whole organism immunisation with erythrocytic and pre-erythrocytic stages of rodent malaria parasites and implications for vaccine development. International Journal for Parasitology, 2012, 42, 859-870.	3.1	26

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37	PCR-based detection of <i>Plasmodium falciparum</i> in saliva using mitochondrial <i>cox3</i> and <i>varATS</i> primers. <i>Tropical Medicine and Health</i> , 2018, 46, 22.	2.8	26
38	High prevalence of <i>Plasmodium malariae</i> and <i>Plasmodium ovale</i> in co-infections with <i>Plasmodium falciparum</i> in asymptomatic malaria parasite carriers in southwestern Nigeria. <i>International Journal for Parasitology</i> , 2022, 52, 23-33.	3.1	24
39	Rapid identification of genes controlling virulence and immunity in malaria parasites. <i>PLoS Pathogens</i> , 2017, 13, e1006447.	4.7	23
40	Genome-wide landscape of ApiAP2 transcription factors reveals a heterochromatin-associated regulatory network during <i>Plasmodium falciparum</i> blood-stage development. <i>Nucleic Acids Research</i> , 2022, 50, 3413-3431.	14.5	23
41	The use of facemasks may not lead to an increase in hand-to-face contact. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 3038-3040.	3.0	22
42	How genomics is contributing to the fight against artemisinin-resistant malaria parasites. <i>Acta Tropica</i> , 2015, 148, 1-7.	2.0	21
43	The genome of the zoonotic malaria parasite <i>Plasmodium simium</i> reveals adaptations to host switching. <i>BMC Biology</i> , 2021, 19, 219.	3.8	21
44	A brief history of artemisinin: Modes of action and mechanisms of resistance. <i>Chinese Journal of Natural Medicines</i> , 2019, 17, 331-336.	1.3	20
45	The Consequences of Mixed-Species Malaria Parasite Co-Infections in Mice and Mosquitoes for Disease Severity, Parasite Fitness, and Transmission Success. <i>Frontiers in Immunology</i> , 2019, 10, 3072.	4.8	20
46	Erythrocyte binding ligands in malaria parasites: Intracellular trafficking and parasite virulence. <i>Acta Tropica</i> , 2010, 114, 131-137.	2.0	19
47	Malaria parasite species composition of <i>Plasmodium</i> infections among asymptomatic and symptomatic school-age children in rural and urban areas of Kinshasa, Democratic Republic of Congo. <i>Malaria Journal</i> , 2021, 20, 389.	2.3	19
48	<i>Plasmodium falciparum</i> : Differential Selection of Drug Resistance Alleles in Contiguous Urban and Peri-Urban Areas of Brazzaville, Republic of Congo. <i>PLoS ONE</i> , 2011, 6, e23430.	2.5	18
49	The intradermal route for inoculation of sporozoites of rodent malaria parasites for immunological studies. <i>Parasite Immunology</i> , 2011, 33, 137-142.	1.5	18
50	In vivo and in vitro gametocyte production of <i>Plasmodium falciparum</i> isolates from Northern Thailand. <i>International Journal for Parasitology</i> , 2011, 41, 317-323.	3.1	18
51	Little Polymorphism at the K13 Propeller Locus in Worldwide <i>Plasmodium falciparum</i> Populations Prior to the Introduction of Artemisinin Combination Therapies. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 3340-3347.	3.2	18
52	Mechanisms of Drug Resistance in Malaria: Current and New Challenges. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2006, 5, 63-73.	0.6	17
53	Human infection with <i>Plasmodium knowlesi</i> on the Laos-Vietnam border. <i>Tropical Medicine and Health</i> , 2018, 46, 33.	2.8	17
54	A Systematic In Silico Search for Target Similarity Identifies Several Approved Drugs with Potential Activity against the <i>Plasmodium falciparum</i> Apicoplast. <i>PLoS ONE</i> , 2013, 8, e59288.	2.5	17

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55	<i>Plasmodium knowlesi</i> and human malaria parasites in Khan Phu, Vietnam: Gametocyte production in humans and frequent co-infection of mosquitoes. <i>Parasitology</i> , 2017, 144, 527-535.	1.5	16
56	Non-human primate malaria parasites: out of the forest and into the laboratory. <i>Parasitology</i> , 2018, 145, 41-54.	1.5	16
57	Genetic Diversity and Population Structure of <i>Plasmodium falciparum</i> in Lake Victoria Islands, A Region of Intense Transmission. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 1077-1085.	1.4	15
58	<i>Schistosoma mansoni</i> infection suppresses the growth of <i>Plasmodium yoelii</i> parasites in the liver and reduces gametocyte infectivity to mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006197.	3.0	15
59	The Role of Human Behavior in <i>Plasmodium knowlesi</i> Malaria Infection: A Systematic Review. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 3675.	2.6	15
60	<i>Plasmodium knowlesi</i> : Clinical Presentation and Laboratory Diagnosis of the First Human Case in a Scottish Traveler. <i>Journal of Travel Medicine</i> , 2014, 21, 357-360.	3.0	14
61	Strain-specific immunity induced by immunization with pre-erythrocytic stages of <i>Plasmodium chabaudi</i> . <i>Parasite Immunology</i> , 2011, 33, 73-78.	1.5	13
62	<i>Plasmodium falciparum</i> multidrug resistance gene-1 polymorphisms in Northern Nigeria: implications for the continued use of artemether-lumefantrine in the region. <i>Malaria Journal</i> , 2020, 19, 439.	2.3	13
63	Detection of <i>Plasmodium knowlesi</i> DNA in the urine and faeces of a Japanese macaque (<i>Macaca fuscata</i>) over the course of an experimentally induced infection. <i>Malaria Journal</i> , 2014, 13, 373.	2.3	12
64	Congenital Malaria in China. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2622.	3.0	12
65	<i>Plasmodium knowlesi</i> : from severe zoonosis to animal model. <i>Trends in Parasitology</i> , 2015, 31, 232-238.	3.3	11
66	The Architectural Factor HMGB1 Is Involved in Genome Organization in the Human Malaria Parasite <i>Plasmodium falciparum</i> . <i>MBio</i> , 2021, 12, .	4.1	11
67	Reimagining zoonotic malaria control in communities exposed to <i>Plasmodium knowlesi</i> infection. <i>Journal of Physiological Anthropology</i> , 2022, 41, 14.	2.6	11
68	<i>Plasmodium vinckei</i> genomes provide insights into the pan-genome and evolution of rodent malaria parasites. <i>BMC Biology</i> , 2021, 19, 69.	3.8	10
69	<i>Plasmodium vivax</i> transmission-blocking vaccines: Progress, challenges and innovation. <i>Parasitology International</i> , 2022, 87, 102525.	1.3	10
70	Duffy Phenotype and <i>Plasmodium vivax</i> infections in Humans and Apes, Africa. <i>Emerging Infectious Diseases</i> , 2012, 18, 1704-1705.	4.3	9
71	Species-Specific Immunity Induced by Infection with <i>Entamoeba histolytica</i> and <i>Entamoeba moshkovskii</i> in Mice. <i>PLoS ONE</i> , 2013, 8, e82025.	2.5	9
72	5-methylcytosine modification by <i>Plasmodium</i> NSUN2 stabilizes mRNA and mediates the development of gametocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	9

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73	The Toll-Like Receptor 2 agonist PEG-Pam2Cys as an immunochemoprophylactic and immunochemotherapeutic against the liver and transmission stages of malaria parasites. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 451-458.	3.4	8
74	A fast and cost-effective microsampling protocol incorporating reduced animal usage for time-series transcriptomics in rodent malaria parasites. <i>Malaria Journal</i> , 2019, 18, 26.	2.3	8
75	Malaria parasite genetics: doing something useful. <i>Parasitology International</i> , 2015, 64, 244-253.	1.3	7
76	Travellers as sentinels: Assaying the worldwide distribution of polymorphisms associated with artemisinin combination therapy resistance in <i>Plasmodium falciparum</i> using malaria cases imported into Scotland. <i>International Journal for Parasitology</i> , 2013, 43, 885-889.	3.1	6
77	Global distribution of polymorphisms associated with delayed <i>Plasmodium falciparum</i> parasite clearance following artemisinin treatment: Genotyping of archive blood samples. <i>Parasitology International</i> , 2015, 64, 267-273.	1.3	6
78	Detection of the <i>Plasmodium falciparum</i> Kelch-13 gene P553L mutation in sporozoites isolated from mosquito salivary glands in South-Central Vietnam. <i>Parasites and Vectors</i> , 2017, 10, 308.	2.5	6
79	Dynamics of <i>Plasmodium falciparum</i> Selection After Artemether-Lumefantrine Treatment in Africa. <i>Journal of Infectious Diseases</i> , 2012, 205, 1473-1475.	4.0	5
80	Vector sequence contamination of the <i>Plasmodium vivax</i> sequence database in PlasmoDB and In silico correction of 26 parasite sequences. <i>Parasites and Vectors</i> , 2015, 8, 318.	2.5	4
81	High incidence of asymptomatic cases during an outbreak of <i>Plasmodium malariae</i> in a remote village of Malaysian Borneo. <i>PLoS Neglected Tropical Diseases</i> , 2021, 15, e0009450.	3.0	4
82	Identification of polymorphisms in genes associated with drug resistance in <i>Plasmodium falciparum</i> isolates from school-age children in Kinshasa, Democratic Republic of Congo. <i>Parasitology International</i> , 2022, 88, 102541.	1.3	4
83	Low prevalence of <i>Plasmodium falciparum</i> parasites lacking <i>pfhrp2/3</i> genes among asymptomatic and symptomatic school-age children in Kinshasa, Democratic Republic of Congo. <i>Malaria Journal</i> , 2022, 21, 126.	2.3	4
84	Exploring the key anthropological drivers of and barriers to zoonotic malaria preventative behaviour in a community exposed to <i>Plasmodium knowlesi</i> infection in Malaysia: protocol for a qualitative study with a participatory research design. <i>BMJ Open</i> , 2022, 12, e060866.	1.9	4
85	Positive diversifying selection on <i>Plasmodium vivax</i> RON2 protein. <i>Parasitology</i> , 2012, 139, 709-715.	1.5	3
86	Prevalence of <i>Plasmodium falciparum</i> isolates lacking the histidine rich protein 2 gene among symptomatic malaria patients in Kwilu Province of the Democratic Republic of Congo. <i>Infectious Diseases of Poverty</i> , 2021, 10, 77.	3.7	3
87	Protein trafficking in <i>Plasmodium falciparum</i> -infected red cells and impact of the expansion of exported protein families. <i>Parasitology</i> , 2014, 141, 1533-1543.	1.5	2
88	The African origin of <i>Plasmodium vivax</i> . <i>FEMS Microbiology Reviews</i> , 2022, 46, .	8.6	2
89	Intra-host dynamics of mixed species malaria parasite infections in mice and mosquitoes. <i>Malaria Journal</i> , 2010, 9, .	2.3	1
90	On Malaria Transmission and Transmission Blocking Immunity. <i>American Journal of Tropical Medicine and Hygiene</i> , 2022, 107, 3-16.	1.4	1

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91	Transmission-Blocking Vaccines: From Conceptualization to Realization. American Journal of Tropical Medicine and Hygiene, 2022, , .	1.4	1
92	Complete abrogation of sporozoite-induced sterile immunity by blood stage parasites of homologous and heterologous malaria species. Malaria Journal, 2010, 9, .	2.3	0
93	Kazuyuki Tanabe: Malariology and music. Parasitology International, 2015, 64, xxi.	1.3	0
94	Does Nature and Nurture interaction influence child mental health? A preliminary study. The Proceedings of the Annual Convention of the Japanese Psychological Association, 2014, 78, 1AM-2-022-1AM-2-022.	0.0	0
95	Professor Richard Carter (1945â€“2021). Trends in Parasitology, 2021, , .	3.3	0
96	Reduction in Plasmodium falciparum Pfk13 and pfg377 allele diversity through time in southern Vietnam. Tropical Medicine and Health, 2022, 50, 19.	2.8	0