Lisa C Ranford-Cartwright

List of Publications by Year
in descending order

101 papers	5,314 citations	61945 43 h-index	98753 67 g-index
111 all docs	111 docs citations	111 times ranked	5199 citing authors

#	Article	IF	Citations
1	Evolutionary race: Malaria evolves to evade sickle cell protection. Cell Host and Microbe, 2022, 30, 139-141.	5.1	2
2	The regulatory genome of the malaria vector Anopheles gambiae: integrating chromatin accessibility and gene expression. NAR Genomics and Bioinformatics, 2021, 3, lqaa113.	1.5	12
3	Magnetoresistance Sensor with Analog Frontend for Lab-on-Chip Malaria Parasite Detection. , 2021, , .		3
4	The Transcription Factor PfAP2-O Influences Virulence Gene Transcription and Sexual Development in Plasmodium falciparum. Frontiers in Cellular and Infection Microbiology, 2021, 11, 669088.	1.8	6
5	Real-time PCR assays for detection and quantification of early P. falciparum gametocyte stages. Scientific Reports, 2021, 11, 19118.	1.6	5
6	Estimation of parasite age and synchrony status in Plasmodium falciparum infections. Scientific Reports, 2020, 10, 10925.	1.6	6
7	Influx of diverse, drug resistant and transmissible Plasmodium falciparum into a malaria-free setting in Qatar. BMC Infectious Diseases, 2020, 20, 413.	1.3	5
8	Plasmodium comparative genomics. Briefings in Functional Genomics, 2019, 18, 267-269.	1.3	0
9	Validation of the protein kinase Pf CLK3 as a multistage cross-species malarial drug target. Science, 2019, 365, .	6.0	51
10	Detection of Plasmodium falciparum infected Anopheles gambiae using near-infrared spectroscopy. Malaria Journal, 2019, 18, 85.	0.8	37
11	Gametocyte Sex Ratio: The Key to Understanding Plasmodium falciparum Transmission?. Trends in Parasitology, 2019, 35, 226-238.	1.5	37
12	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. Wellcome Open Research, 2019, 4, 76.	0.9	40
13	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. Wellcome Open Research, 2019, 4, 76.	0.9	36
14	The impact of storage conditions on human stool 16S rRNA microbiome composition and diversity. PeerJ, 2019, 7, e8133.	0.9	20
15	Dielectric characterization of Plasmodium falciparum -infected red blood cells using microfluidic impedance cytometry. Journal of the Royal Society Interface, 2018, 15, 20180416.	1.5	42
16	Vî³9Vî´2 T cells proliferate in response to phosphoantigens released from erythrocytes infected with asexual and gametocyte stage Plasmodium falciparum. Cellular Immunology, 2018, 334, 11-19.	1.4	11
17	Detection of human disease conditions by single-cell morpho-rheological phenotyping of blood. ELife, 2018, 7, .	2.8	125
18	The transmission potential of malaria-infected mosquitoes (An.gambiae-Keele, An.arabiensis-Ifakara) is altered by the vertebrate blood type they consume during parasite development. Scientific Reports, 2017, 7, 40520.	1.6	20

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19	Indels, structural variation, and recombination drive genomic diversity in Plasmodium falciparum. Genome Research, 2016, 26, 1288-1299.	2.4	180
20	Associations between Season and Gametocyte Dynamics in Chronic Plasmodium falciparum Infections. PLoS ONE, 2016, 11, e0166699.	1.1	28
21	Characterisation of Species and Diversity of Anopheles gambiae Keele Colony. PLoS ONE, 2016, 11, e0168999.	1.1	18
22	A comprehensive transcriptomic view of renal function in the malaria vector, Anopheles gambiae. Insect Biochemistry and Molecular Biology, 2015, 67, 47-58.	1.2	36
23	Quantification of female and male Plasmodium falciparum gametocytes by reverse transcriptase quantitative PCR. Molecular and Biochemical Parasitology, 2015, 199, 29-33.	0.5	59
24	Rareâ€Cell Enrichment by a Rapid, Labelâ€Free, Ultrasonic Isopycnic Technique for Medical Diagnostics. Angewandte Chemie - International Edition, 2014, 53, 5587-5590.	7.2	51
25	Host candidate gene polymorphisms and associated clearance ofP. falciparumamodiaquine and fansidar resistance mutants in children less than 5 years in Cameroon. Pathogens and Global Health, 2014, 108, 323-333.	1.0	11
26	Rareâ€Cell Enrichment by a Rapid, Labelâ€Free, Ultrasonic Isopycnic Technique for Medical Diagnostics. Angewandte Chemie, 2014, 126, 5693-5696.	1.6	11
27	The impact of low erythrocyte density in human blood on the fitness and energetic reserves of the African malaria vector Anopheles gambiae. Malaria Journal, 2013, 12, 45.	0.8	7
28	The role of asymptomatic P. falciparum parasitaemia in the evolution of antimalarial drug resistance in areas of seasonal transmission. Drug Resistance Updates, 2013, 16, 1-9.	6.5	32
29	Genetic and genomic approaches for the discovery of parasite genes involved in antimalarial drug resistance. Parasitology, 2013, 140, 1455-1467.	0.7	8
30	The impact of uniform and mixed species blood meals on the fitness of the mosquito vector Anopheles gambiae s.s: does a specialist pay for diversifying its host species diet?. Journal of Evolutionary Biology, 2012, 25, 452-460.	0.8	32
31	Ookinete destruction within the mosquito midgut lumen explains Anopheles albimanus refractoriness to Plasmodium falciparum (3D7A) oocyst infection. International Journal for Parasitology, 2012, 42, 249-258.	1.3	21
32	Analysis of malaria parasite phenotypes using experimental genetic crosses of Plasmodium falciparum. International Journal for Parasitology, 2012, 42, 529-534.	1.3	31
33	Rational deployment of antimalarial drugs in Africa: should first-line combination drugs be reserved for paediatric malaria cases?. Parasitology, 2011, 138, 1459-1468.	0.7	13
34	Alternative splicing of the Anopheles gambiae Dscam gene in diverse Plasmodium falciparum infections. Malaria Journal, 2011, 10, 156.	0.8	49
35	Host candidate gene polymorphisms and clearance of drug-resistant Plasmodium falciparum parasites. Malaria Journal, 2011, 10, 250.	0.8	10
36	Plasmodium falciparum Accompanied the Human Expansion out of Africa. Current Biology, 2010, 20, 1283-1289.	1.8	121

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37	Impact of repeated four-monthly anthelmintic treatment on Plasmodiuminfection in preschool children: a double-blind placebo-controlled randomized trial. BMC Infectious Diseases, 2010, 10, 277.	1.3	46
38	The Plasmodium eukaryotic initiation factor-2Î± kinase IK2 controls the latency of sporozoites in the mosquito salivary glands. Journal of Experimental Medicine, 2010, 207, 1465-1474.	4.2	121
39	Uptake of purines in Plasmodium falciparum-infected human erythrocytes is mostly mediated by the human Equilibrative Nucleoside Transporter and the human Facilitative Nucleobase Transporter. Malaria Journal, 2010, 9, .	0.8	1
40	New synchronization method for Plasmodium falciparum. Malaria Journal, 2010, 9, 170.	0.8	15
41	Uptake of purines in Plasmodium falciparum-infected human erythrocytes is mostly mediated by the human Equilibrative Nucleoside Transporter and the human Facilitative Nucleobase Transporter. Malaria Journal, 2010, 9, 36.	0.8	28
42	Signalling in malaria parasites â€“ The MALSIG consortium. Parasite, 2009, 16, 169-182.	0.8	31
43	An Essential Role for the Plasmodium Nek-2 Nima-related Protein Kinase in the Sexual Development of Malaria Parasites. Journal of Biological Chemistry, 2009, 284, 20858-20868.	1.6	94
44	Structure and nonâ€essential function of glycerol kinase in Plasmodium falciparum blood stages. Molecular Microbiology, 2009, 71, 533-545.	1.2	27
45	Malaria ookinetes exhibit multiple markers for apoptosis-like programmed cell death in vitro. Parasites and Vectors, 2009, 2, 32.	1.0	43
46	PfeIK1, a eukaryotic initiation factor 2Î± kinase of the human malaria parasite Plasmodium falciparum, regulates stress-response to amino-acid starvation. Malaria Journal, 2009, 8, 99.	0.8	81
47	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.	1.2	80
48	Disruption of the Pf PK7 Gene Impairs Schizogony and Sporogony in the Human Malaria Parasite Plasmodium falciparum. Eukaryotic Cell, 2008, 7, 279-285.	3.4	85
49	Cell-Penetrating Peptide TP10 Shows Broad-Spectrum Activity against both Plasmodium falciparum and Trypanosoma brucei brucei. Antimicrobial Agents and Chemotherapy, 2008, 52, 3414-3417.	1.4	48
50	A comprehensive model of purine uptake by the malaria parasite Plasmodium falciparum: identification of four purine transport activities in intraerythrocytic parasites. Biochemical Journal, 2008, 411, 287-295.	1.7	42
51	Allelic dimorphism-associated restriction of recombination in Plasmodium falciparum msp1. Gene, 2007, 397, 153-160.	1.0	26
52	Morphological evidence for proliferative regeneration of the Anopheles stephensi midgut epithelium following Plasmodium falciparum ookinete invasion. Journal of Invertebrate Pathology, 2007, 96, 244-254.	1.5	34
53	Susceptibility of Anopheles gambiae and Anopheles stephensi to tropical isolates of Plasmodium falciparum. Malaria Journal, 2007, 6, 139.	0.8	25
54	Functional characterization of both MAP kinases of the human malaria parasite Plasmodium falciparum by reverse genetics. Molecular Microbiology, 2007, 65, 1170-1180.	1.2	104

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55	Professor David Walliker. Parassitologia, 2007, 49, 1-6.	0.5	10
56	An improved and highly sensitive microfluorimetric method for assessing susceptibility of Plasmodium falciparum to antimalarial drugs in vitro. Malaria Journal, 2006, 5, 95.	0.8	38
57	Trypanosoma brucei: A survey of pyrimidine transport activities. Experimental Parasitology, 2006, 114, 118-125.	0.5	48
58	Comparison of microsatellite and antigen-coding loci for differentiating recrudescing Plasmodium falciparum infections from reinfections in Kenya. International Journal for Parasitology, 2006, 36, 329-336.	1.3	20
59	Evidence basis for antimalarial policy change in Sierra Leone: five in vivo efficacy studies of chloroquine, sulphadoxine-pyrimethamine and amodiaquine. Tropical Medicine and International Health, 2005, 10, 146-153.	1.0	33
60	How do malaria ookinetes cross the mosquito midgut wall?. Trends in Parasitology, 2005, 21, 22-28.	1.5	56
61	Spreading the seeds of million-murdering death**This title and some subheadings are taken from lines in Ronald Ross' poem In Exile, Reply â€“ What Ails the Solitude, written on 21 August 1897, the day after he made his Nobel-Prize-winning discovery of parasite stages in the mosquito. â€ This day relenting God hath placed within my hand a wondrous thing; and God be praised. At His command, seeking His secret deeds with tears and toiling breath I find thy cunning seeds, O million-murdering Death. I know this litt. Trends in Parasitology, 2005, 21, 573-580.	1.5	128
62	A NIMA-related Protein Kinase Is Essential for Completion of the Sexual Cycle of Malaria Parasites. Journal of Biological Chemistry, 2005, 280, 31957-31964.	1.6	138
63	Do malaria ookinete surface proteins P25 and P28 mediate parasite entry into mosquito midgut epithelial cells?. Malaria Journal, 2005, 4, 15.	0.8	34
64	Plasmodium falciparumookinete invasion of the midgut epithelium ofAnopheles stephensiis consistent with the Time Bomb model. Parasitology, 2004, 129, 663-676.	0.7	52
65	A real-time PCR assay for quantifying Plasmodium falciparum infections in the mosquito vector. International Journal for Parasitology, 2004, 34, 795-802.	1.3	49
66	Genetic Distance in Housekeeping Genes Between Plasmodium falciparum and Plasmodium reichenowi and Within P. falciparum. Journal of Molecular Evolution, 2004, 59, 687-694.	0.8	29
67	Genetic Diversity and Antigenic Polymorphism in Plasmodium falciparum : Extensive Serological Cross-Reactivity between Allelic Variants of Merozoite Surface Protein 2. Infection and Immunity, 2003, 71, 3485-3495.	1.0	47
68	Sulfadoxine-Pyrimethamine Resistance in the Rodent Malaria Parasite Plasmodium chabaudi. Antimicrobial Agents and Chemotherapy, 2002, 46, 2482-2489.	1.4	33
69	Real-time quantitative PCR in parasitology. Trends in Parasitology, 2002, 18, 338-342.	1.5	115
70	In vitro recombination during PCR of Plasmodium falciparum DNA: a potential pitfall in molecular population genetic analysis. Molecular and Biochemical Parasitology, 2002, 122, 211-216.	0.5	33
71	Sexual differentiation and sex determination in the Apicomplexa. Trends in Parasitology, 2002, 18, 315-323.	1.5	61
72	Critical comparison of molecular genotyping methods for detection of drug-resistant Plasmodium falciparum. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2002, 96, 568-572.	0.7	24

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73	Detection of mutations in the Plasmodium falciparum dihydrofolate reductase (dhfr) gene by dot-blot hybridization.. American Journal of Tropical Medicine and Hygiene, 2002, 67, 24-27.	0.6	24
74	Real-time quantitative PCR in parasitology. Trends in Parasitology, 2002, 18, 338.	1.5	8
75	Genotyping of Plasmodium falciparum infections by PCR: a comparative multicentre study. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2001, 95, 225-232.	0.7	108
76	Plasmodium falciparum: Gene Mutations and Amplification of Dihydrofolate Reductase Genes in Parasites Grown in Vitro in Presence of Pyrimethamine. Experimental Parasitology, 2001, 98, 59-70.	0.5	34
77	Frequent and Persistent, AsymptomaticPlasmodium falciparumInfections in African Infants, Characterized by Multilocus Genotyping. Journal of Infectious Diseases, 2001, 183, 796-804.	1.9	74
78	Commitment to sexual differentiation in the human malaria parasite, Plasmodium falciparum. Parasitology, 2000, 121, 127-133.	0.7	96
79	3. Genetic structure and dynamics of Plasmodium falciparum infections in the Kilombero region of Tanzania. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1999, 93, 11-14.	0.7	76
80	Detection of low level Plasmodium falciparum gametocytes using reverse transcriptase polymerase chain reaction. Molecular and Biochemical Parasitology, 1999, 99, 143-148.	0.5	72
81	Intragenic recombinants of Plasmodium falciparum identified by in situ polymerase chain reaction. Molecular and Biochemical Parasitology, 1999, 102, 13-20.	0.5	12
82	Chloroquine increases Plasmodium falciparum gametocytogenesis in vitro. Parasitology, 1999, 118, 339-346.	0.7	152
83	Has the ignition key been found?. Nature, 1998, 392, 227-228.	13.7	9
84	Characteristics of Plasmodium falciparum parasites that survive the lengthy dry season in eastern Sudan where malaria transmission is markedly seasonal.. American Journal of Tropical Medicine and Hygiene, 1998, 59, 582-590.	0.6	114
85	Molecular analysis of recrudescent parasites in a Plasmodium falciparum drug efficacy trial in Gabon. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1997, 91, 719-724.	0.7	93
86	Measurement of Plasmodium falciparum Growth Rates in Vivo: A Test of Malaria Vaccines. American Journal of Tropical Medicine and Hygiene, 1997, 57, 495-500.	0.6	148
87	Differential antibody recognition of FC27-like Plasmodium falciparum merozoite surface protein MSP2 antigens which lack 12 amino acid repeats. Parasite Immunology, 1996, 18, 411-420.	0.7	33
88	Estimation of inbreeding coefficients from genotypic data on multiple alleles, and application to estimation of clonality in malaria parasites. Genetical Research, 1995, 65, 53-61.	0.3	97
89	Mating patterns in malaria parasite populations of Papua New Guinea. Science, 1995, 269, 1709-1711.	6.0	309
90	Fit for fertilization: Mating in malaria parasites. Parasitology Today, 1995, 11, 154-157.	3.1	7

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91	Genetic evidence that RI chloroquine resistance of Plasmodium falciparum is caused by recrudescence of resistant parasites. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1994, 88, 328-331.	0.7	48
92	Proof of intragenic recombination in Plasmodium falciparum. Molecular and Biochemical Parasitology, 1994, 66, 241-248.	0.5	53
93	Random mating in a natural population of the malaria parasitePlasmodium falciparum. Parasitology, 1994, 109, 413-421.	0.7	202
94	Uniparental inheritance of the mitochondrial gene cytochrome b in Plasmodium falciparum. Current Genetics, 1993, 23, 360-364.	0.8	55
95	The Culture and Preparation of Gametocytes of Plasmodium falciparum for Immunochemical, Molecular, and Mosquito Infectivity Studies. , 1993, 21, 67-88.		83
96	Frequency of cross-fertilization in the human malaria parasitePlasmodium falciparum. Parasitology, 1993, 107, 11-18.	0.7	104
97	Rapid and simple method for isolating malaria DNA from fingerprick samples of blood. Molecular and Biochemical Parasitology, 1992, 53, 241-244.	0.5	81
98	Genetic hybrids of Plasmodium falciparum identified by amplification of genomic DNA from single oocysts. Molecular and Biochemical Parasitology, 1991, 49, 239-243.	0.5	64
99	Direct sequencing of enzymatically amplified DNA of alleles of the merozoite surface antigen MSA-1 gene from the malaria parasite Plasmodium falciparum. Molecular and Biochemical Parasitology, 1991, 46, 185-187.	0.5	15
100	Gene exchange in African trypanosomes: frequency and allelic segregation. Molecular and Biochemical Parasitology, 1989, 34, 269-279.	0.5	70
101	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. Wellcome Open Research, 0, 4, 76.	0.9	2