

Lisa C Ranford-Cartwright

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8134881/publications.pdf>

Version: 2024-02-01

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	Mating patterns in malaria parasite populations of Papua New Guinea. <i>Science</i> , 1995, 269, 1709-1711.	6.0	309
2	Random mating in a natural population of the malaria parasite <i>Plasmodium falciparum</i> . <i>Parasitology</i> , 1994, 109, 413-421.	0.7	202
3	Indels, structural variation, and recombination drive genomic diversity in <i>Plasmodium falciparum</i> . <i>Genome Research</i> , 2016, 26, 1288-1299.	2.4	180
4	Chloroquine increases <i>Plasmodium falciparum</i> gametocytogenesis in vitro. <i>Parasitology</i> , 1999, 118, 339-346.	0.7	152
5	Measurement of <i>Plasmodium falciparum</i> Growth Rates in Vivo: A Test of Malaria Vaccines. <i>American Journal of Tropical Medicine and Hygiene</i> , 1997, 57, 495-500.	0.6	148
6	A NIMA-related Protein Kinase Is Essential for Completion of the Sexual Cycle of Malaria Parasites. <i>Journal of Biological Chemistry</i> , 2005, 280, 31957-31964.	1.6	138
7	Spreading the seeds of million-murdering death**This title and some subheadings are taken from lines in Ronald Ross' poem In Exile, Reply "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. "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 little. <i>Trends in Parasitology</i> , 2005, 21, 573-580.	1.5	128
8	Detection of human disease conditions by single-cell morpho-rheological phenotyping of blood. <i>ELife</i> , 2018, 7, .	2.8	125
9	<i>Plasmodium falciparum</i> Accompanied the Human Expansion out of Africa. <i>Current Biology</i> , 2010, 20, 1283-1289.	1.8	121
10	The <i>Plasmodium</i> eukaryotic initiation factor-2Î± kinase IK2 controls the latency of sporozoites in the mosquito salivary glands. <i>Journal of Experimental Medicine</i> , 2010, 207, 1465-1474.	4.2	121
11	Real-time quantitative PCR in parasitology. <i>Trends in Parasitology</i> , 2002, 18, 338-342.	1.5	115
12	Characteristics of <i>Plasmodium falciparum</i> parasites that survive the lengthy dry season in eastern Sudan where malaria transmission is markedly seasonal.. <i>American Journal of Tropical Medicine and Hygiene</i> , 1998, 59, 582-590.	0.6	114
13	Genotyping of <i>Plasmodium falciparum</i> infections by PCR: a comparative multicentre study. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2001, 95, 225-232.	0.7	108
14	Frequency of cross-fertilization in the human malaria parasite <i>Plasmodium falciparum</i> . <i>Parasitology</i> , 1993, 107, 11-18.	0.7	104
15	Functional characterization of both MAP kinases of the human malaria parasite <i>Plasmodium falciparum</i> by reverse genetics. <i>Molecular Microbiology</i> , 2007, 65, 1170-1180.	1.2	104
16	Estimation of inbreeding coefficients from genotypic data on multiple alleles, and application to estimation of clonality in malaria parasites. <i>Genetical Research</i> , 1995, 65, 53-61.	0.3	97
17	Commitment to sexual differentiation in the human malaria parasite, <i>Plasmodium falciparum</i> . <i>Parasitology</i> , 2000, 121, 127-133.	0.7	96
18	An Essential Role for the <i>Plasmodium</i> Nek-2 Nima-related Protein Kinase in the Sexual Development of Malaria Parasites. <i>Journal of Biological Chemistry</i> , 2009, 284, 20858-20868.	1.6	94

#	ARTICLE	IF	CITATIONS
19	Molecular analysis of recrudescence 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
20	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
21	The Culture and Preparation of Gametocytes of Plasmodium falciparum for Immunochemical, Molecular, and Mosquito Infectivity Studies. , 1993, 21, 67-88.		83
22	Rapid and simple method for isolating malaria DNA from fingerprick samples of blood. Molecular and Biochemical Parasitology, 1992, 53, 241-244.	0.5	81
23	PfclK1, a eukaryotic initiation factor 2 kinase of the human malaria parasite Plasmodium falciparum, regulates stress-response to amino-acid starvation. Malaria Journal, 2009, 8, 99.	0.8	81
24	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
25	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
26	Frequent and Persistent, Asymptomatic Plasmodium falciparum Infections in African Infants, Characterized by Multilocus Genotyping. Journal of Infectious Diseases, 2001, 183, 796-804.	1.9	74
27	Detection of low level Plasmodium falciparum gametocytes using reverse transcriptase polymerase chain reaction. Molecular and Biochemical Parasitology, 1999, 99, 143-148.	0.5	72
28	Gene exchange in African trypanosomes: frequency and allelic segregation. Molecular and Biochemical Parasitology, 1989, 34, 269-279.	0.5	70
29	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
30	Sexual differentiation and sex determination in the Apicomplexa. Trends in Parasitology, 2002, 18, 315-323.	1.5	61
31	Quantification of female and male Plasmodium falciparum gametocytes by reverse transcriptase quantitative PCR. Molecular and Biochemical Parasitology, 2015, 199, 29-33.	0.5	59
32	How do malaria ookinetes cross the mosquito midgut wall?. Trends in Parasitology, 2005, 21, 22-28.	1.5	56
33	Uniparental inheritance of the mitochondrial gene cytochrome b in Plasmodium falciparum. Current Genetics, 1993, 23, 360-364.	0.8	55
34	Proof of intragenic recombination in Plasmodium falciparum. Molecular and Biochemical Parasitology, 1994, 66, 241-248.	0.5	53
35	Plasmodium falciparum ookinete invasion of the midgut epithelium of Anopheles stephensi consistent with the Time Bomb model. Parasitology, 2004, 129, 663-676.	0.7	52
36	Rare Cell Enrichment by a Rapid, Label-Free, Ultrasonic Isopycnic Technique for Medical Diagnostics. Angewandte Chemie - International Edition, 2014, 53, 5587-5590.	7.2	51

#	ARTICLE	IF	CITATIONS
37	Validation of the protein kinase <i>Pf</i> CLK3 as a multistage cross-species malarial drug target. <i>Science</i> , 2019, 365, .	6.0	51
38	A real-time PCR assay for quantifying <i>Plasmodium falciparum</i> infections in the mosquito vector. <i>International Journal for Parasitology</i> , 2004, 34, 795-802.	1.3	49
39	Alternative splicing of the <i>Anopheles gambiae</i> Dscam gene in diverse <i>Plasmodium falciparum</i> infections. <i>Malaria Journal</i> , 2011, 10, 156.	0.8	49
40	Genetic evidence that RI chloroquine resistance of <i>Plasmodium falciparum</i> is caused by recrudescence of resistant parasites. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 1994, 88, 328-331.	0.7	48
41	<i>Trypanosoma brucei</i> : A survey of pyrimidine transport activities. <i>Experimental Parasitology</i> , 2006, 114, 118-125.	0.5	48
42	Cell-Penetrating Peptide TP10 Shows Broad-Spectrum Activity against both <i>Plasmodium falciparum</i> and <i>Trypanosoma brucei brucei</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 3414-3417.	1.4	48
43	Genetic Diversity and Antigenic Polymorphism in <i>Plasmodium falciparum</i> : Extensive Serological Cross-Reactivity between Allelic Variants of Merozoite Surface Protein 2. <i>Infection and Immunity</i> , 2003, 71, 3485-3495.	1.0	47
44	Impact of repeated four-monthly anthelmintic treatment on <i>Plasmodium</i> infection in preschool children: a double-blind placebo-controlled randomized trial. <i>BMC Infectious Diseases</i> , 2010, 10, 277.	1.3	46
45	<i>Malaria</i> ookinetes exhibit multiple markers for apoptosis-like programmed cell death in vitro. <i>Parasites and Vectors</i> , 2009, 2, 32.	1.0	43
46	A comprehensive model of purine uptake by the malaria parasite <i>Plasmodium falciparum</i> : identification of four purine transport activities in intraerythrocytic parasites. <i>Biochemical Journal</i> , 2008, 411, 287-295.	1.7	42
47	Dielectric characterization of <i>Plasmodium falciparum</i> -infected red blood cells using microfluidic impedance cytometry. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20180416.	1.5	42
48	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. <i>Wellcome Open Research</i> , 2019, 4, 76.	0.9	40
49	An improved and highly sensitive microfluorimetric method for assessing susceptibility of <i>Plasmodium falciparum</i> to antimalarial drugs in vitro. <i>Malaria Journal</i> , 2006, 5, 95.	0.8	38
50	Detection of <i>Plasmodium falciparum</i> infected <i>Anopheles gambiae</i> using near-infrared spectroscopy. <i>Malaria Journal</i> , 2019, 18, 85.	0.8	37
51	Gametocyte Sex Ratio: The Key to Understanding <i>Plasmodium falciparum</i> Transmission?. <i>Trends in Parasitology</i> , 2019, 35, 226-238.	1.5	37
52	A comprehensive transcriptomic view of renal function in the malaria vector, <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 67, 47-58.	1.2	36
53	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. <i>Wellcome Open Research</i> , 2019, 4, 76.	0.9	36
54	<i>Plasmodium falciparum</i> : Gene Mutations and Amplification of Dihydrofolate Reductase Genes in Parasites Grown in Vitro in Presence of Pyrimethamine. <i>Experimental Parasitology</i> , 2001, 98, 59-70.	0.5	34

#	ARTICLE	IF	CITATIONS
55	Do malaria ookinete surface proteins P25 and P28 mediate parasite entry into mosquito midgut epithelial cells?. <i>Malaria Journal</i> , 2005, 4, 15.	0.8	34
56	Morphological evidence for proliferative regeneration of the <i>Anopheles stephensi</i> midgut epithelium following <i>Plasmodium falciparum</i> ookinete invasion. <i>Journal of Invertebrate Pathology</i> , 2007, 96, 244-254.	1.5	34
57	Differential antibody recognition of FC27-like <i>Plasmodium falciparum</i> merozoite surface protein MSP2 antigens which lack 12 amino acid repeats. <i>Parasite Immunology</i> , 1996, 18, 411-420.	0.7	33
58	Sulfadoxine-Pyrimethamine Resistance in the Rodent Malaria Parasite <i>Plasmodium chabaudi</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 2482-2489.	1.4	33
59	In vitro recombination during PCR of <i>Plasmodium falciparum</i> DNA: a potential pitfall in molecular population genetic analysis. <i>Molecular and Biochemical Parasitology</i> , 2002, 122, 211-216.	0.5	33
60	Evidence basis for antimalarial policy change in Sierra Leone: five in vivo efficacy studies of chloroquine, sulphadoxine-pyrimethamine and amodiaquine. <i>Tropical Medicine and International Health</i> , 2005, 10, 146-153.	1.0	33
61	The impact of uniform and mixed species blood meals on the fitness of the mosquito vector <i>Anopheles gambiae</i> s.s: does a specialist pay for diversifying its host species diet?. <i>Journal of Evolutionary Biology</i> , 2012, 25, 452-460.	0.8	32
62	The role of asymptomatic <i>P. falciparum</i> parasitaemia in the evolution of antimalarial drug resistance in areas of seasonal transmission. <i>Drug Resistance Updates</i> , 2013, 16, 1-9.	6.5	32
63	Signalling in malaria parasites – The MALSIG consortium. <i>Parasite</i> , 2009, 16, 169-182.	0.8	31
64	Analysis of malaria parasite phenotypes using experimental genetic crosses of <i>Plasmodium falciparum</i> . <i>International Journal for Parasitology</i> , 2012, 42, 529-534.	1.3	31
65	Genetic Distance in Housekeeping Genes Between <i>Plasmodium falciparum</i> and <i>Plasmodium reichenowi</i> and Within <i>P. falciparum</i> . <i>Journal of Molecular Evolution</i> , 2004, 59, 687-694.	0.8	29
66	Uptake of purines in <i>Plasmodium falciparum</i> -infected human erythrocytes is mostly mediated by the human Equilibrative Nucleoside Transporter and the human Facilitative Nucleobase Transporter. <i>Malaria Journal</i> , 2010, 9, 36.	0.8	28
67	Associations between Season and Gametocyte Dynamics in Chronic <i>Plasmodium falciparum</i> Infections. <i>PLoS ONE</i> , 2016, 11, e0166699.	1.1	28
68	Structure and non-essential function of glycerol kinase in <i>Plasmodium falciparum</i> blood stages. <i>Molecular Microbiology</i> , 2009, 71, 533-545.	1.2	27
69	Allelic dimorphism-associated restriction of recombination in <i>Plasmodium falciparum</i> msp1. <i>Gene</i> , 2007, 397, 153-160.	1.0	26
70	Susceptibility of <i>Anopheles gambiae</i> and <i>Anopheles stephensi</i> to tropical isolates of <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2007, 6, 139.	0.8	25
71	Critical comparison of molecular genotyping methods for detection of drug-resistant <i>Plasmodium falciparum</i> . <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2002, 96, 568-572.	0.7	24
72	Detection of mutations in the <i>Plasmodium falciparum</i> dihydrofolate reductase (dhfr) gene by dot-blot hybridization.. <i>American Journal of Tropical Medicine and Hygiene</i> , 2002, 67, 24-27.	0.6	24

#	ARTICLE	IF	CITATIONS
73	Ookinete destruction within the mosquito midgut lumen explains <i>Anopheles albimanus</i> refractoriness to <i>Plasmodium falciparum</i> (3D7A) oocyst infection. <i>International Journal for Parasitology</i> , 2012, 42, 249-258.	1.3	21
74	Comparison of microsatellite and antigen-coding loci for differentiating recrudescing <i>Plasmodium falciparum</i> infections from reinfections in Kenya. <i>International Journal for Parasitology</i> , 2006, 36, 329-336.	1.3	20
75	The transmission potential of malaria-infected mosquitoes (<i>An.gambiae</i> -Keele, <i>An.arabiensis</i> -Ifakara) is altered by the vertebrate blood type they consume during parasite development. <i>Scientific Reports</i> , 2017, 7, 40520.	1.6	20
76	The impact of storage conditions on human stool 16S rRNA microbiome composition and diversity. <i>PeerJ</i> , 2019, 7, e8133.	0.9	20
77	Characterisation of Species and Diversity of <i>Anopheles gambiae</i> Keele Colony. <i>PLoS ONE</i> , 2016, 11, e0168999.	1.1	18
78	Direct sequencing of enzymatically amplified DNA of alleles of the merozoite surface antigen MSA-1 gene from the malaria parasite <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 1991, 46, 185-187.	0.5	15
79	New synchronization method for <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2010, 9, 170.	0.8	15
80	Rational deployment of antimalarial drugs in Africa: should first-line combination drugs be reserved for paediatric malaria cases?. <i>Parasitology</i> , 2011, 138, 1459-1468.	0.7	13
81	Intragenic recombinants of <i>Plasmodium falciparum</i> identified by in situ polymerase chain reaction. <i>Molecular and Biochemical Parasitology</i> , 1999, 102, 13-20.	0.5	12
82	The regulatory genome of the malaria vector <i>Anopheles gambiae</i> : integrating chromatin accessibility and gene expression. <i>NAR Genomics and Bioinformatics</i> , 2021, 3, lqaa113.	1.5	12
83	Host candidate gene polymorphisms and associated clearance of <i>P. falciparum</i> amodiaquine and fansidar resistance mutants in children less than 5 years in Cameroon. <i>Pathogens and Global Health</i> , 2014, 108, 323-333.	1.0	11
84	Rare Cell Enrichment by a Rapid, Label-Free, Ultrasonic Isopycnic Technique for Medical Diagnostics. <i>Angewandte Chemie</i> , 2014, 126, 5693-5696.	1.6	11
85	V β 9V γ 2 T cells proliferate in response to phosphoantigens released from erythrocytes infected with asexual and gametocyte stage <i>Plasmodium falciparum</i> . <i>Cellular Immunology</i> , 2018, 334, 11-19.	1.4	11
86	Host candidate gene polymorphisms and clearance of drug-resistant <i>Plasmodium falciparum</i> parasites. <i>Malaria Journal</i> , 2011, 10, 250.	0.8	10
87	Professor David Walliker. <i>Parassitologia</i> , 2007, 49, 1-6.	0.5	10
88	Has the ignition key been found?. <i>Nature</i> , 1998, 392, 227-228.	13.7	9
89	Genetic and genomic approaches for the discovery of parasite genes involved in antimalarial drug resistance. <i>Parasitology</i> , 2013, 140, 1455-1467.	0.7	8
90	Real-time quantitative PCR in parasitology. <i>Trends in Parasitology</i> , 2002, 18, 338.	1.5	8

#	ARTICLE	IF	CITATIONS
91	Fit for fertilization: Mating in malaria parasites. <i>Parasitology Today</i> , 1995, 11, 154-157.	3.1	7
92	The impact of low erythrocyte density in human blood on the fitness and energetic reserves of the African malaria vector <i>Anopheles gambiae</i> . <i>Malaria Journal</i> , 2013, 12, 45.	0.8	7
93	Estimation of parasite age and synchrony status in <i>Plasmodium falciparum</i> infections. <i>Scientific Reports</i> , 2020, 10, 10925.	1.6	6
94	The Transcription Factor PfAP2-O Influences Virulence Gene Transcription and Sexual Development in <i>Plasmodium falciparum</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 669088.	1.8	6
95	Influx of diverse, drug resistant and transmissible <i>Plasmodium falciparum</i> into a malaria-free setting in Qatar. <i>BMC Infectious Diseases</i> , 2020, 20, 413.	1.3	5
96	Real-time PCR assays for detection and quantification of early <i>P. falciparum</i> gametocyte stages. <i>Scientific Reports</i> , 2021, 11, 19118.	1.6	5
97	Magneto-resistance Sensor with Analog Frontend for Lab-on-Chip Malaria Parasite Detection. , 2021, , .		3
98	Prediction of mosquito species and population age structure using mid-infrared spectroscopy and supervised machine learning. <i>Wellcome Open Research</i> , 0, 4, 76.	0.9	2
99	Evolutionary race: Malaria evolves to evade sickle cell protection. <i>Cell Host and Microbe</i> , 2022, 30, 139-141.	5.1	2
100	Uptake of purines in <i>Plasmodium falciparum</i> -infected human erythrocytes is mostly mediated by the human Equilibrative Nucleoside Transporter and the human Facilitative Nucleobase Transporter. <i>Malaria Journal</i> , 2010, 9, .	0.8	1
101	<i>Plasmodium</i> comparative genomics. <i>Briefings in Functional Genomics</i> , 2019, 18, 267-269.	1.3	0