

Michelle L Gatton

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

3,917
citations

34
h-index

59
g-index

106
ext. papers

4,572
ext. citations

4.7
avg, IF

5.15
L-index

#	Paper	IF	Citations
105	Modelling the epidemiology of malaria and spread of HRP2-negative Plasmodium falciparum following the replacement of HRP2-detecting rapid diagnostic tests. <i>PLOS Global Public Health</i> , 2022 , 2, e0000106		0
104	Household water and food insecurity negatively impacts self-reported physical and mental health in the Vietnamese Mekong Delta.. <i>PLoS ONE</i> , 2022 , 17, e0267344	3.7	1
103	Epidemiology of mutant Plasmodium falciparum parasites lacking histidine-rich protein 2/3 genes in Eritrea 2 years after switching from HRP2-based RDTs. <i>Scientific Reports</i> , 2021 , 11, 21082	4.9	1
102	Climate variability, socio-ecological factors and dengue transmission in tropical Queensland, Australia: A Bayesian spatial analysis. <i>Environmental Research</i> , 2021 , 195, 110285	7.9	2
101	Dormant Plasmodium falciparum Parasites in Human Infections Following Artesunate Therapy. <i>Journal of Infectious Diseases</i> , 2021 , 223, 1631-1638	7	5
100	Impact of Plasmodium falciparum gene deletions on malaria rapid diagnostic test performance. <i>Malaria Journal</i> , 2020 , 19, 392	3.6	10
99	Different responses of dengue to weather variability across climate zones in Queensland, Australia. <i>Environmental Research</i> , 2020 , 184, 109222	7.9	4
98	Flooding and Arboviral Disease: Predicting Ross River Virus Disease Outbreaks Across Inland Regions of South-Eastern Australia. <i>Journal of Medical Entomology</i> , 2020 , 57, 241-251	2.2	6
97	Mental health problems both precede and follow bullying among adolescents and the effects differ by gender: a cross-lagged panel analysis of school-based longitudinal data in Vietnam. <i>International Journal of Mental Health Systems</i> , 2019 , 13, 35	3.6	9
96	Area socioeconomic status is independently associated with esophageal cancer mortality in Shandong, China. <i>Scientific Reports</i> , 2019 , 9, 6388	4.9	7
95	Cytochrome P450 2D6 profiles and their relationship with outcomes of primaquine anti-relapse therapy in Australian Defence Force personnel deployed to Papua New Guinea and East Timor. <i>Malaria Journal</i> , 2019 , 18, 140	3.6	11
94	Comparative performance of four rapid Ebola antigen-detection lateral flow immunoassays during the 2014-2016 Ebola epidemic in West Africa. <i>PLoS ONE</i> , 2019 , 14, e0212113	3.7	20
93	Spatial and temporal analysis of dengue infections in Queensland, Australia: Recent trend and perspectives. <i>PLoS ONE</i> , 2019 , 14, e0220134	3.7	5
92	Individual- and Area-Level Socioeconomic Inequalities in Esophageal Cancer Survival in Shandong Province, China: A Multilevel Analysis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2019 , 28, 1427-1434	4.4	6
91	A review of the WHO malaria rapid diagnostic test product testing programme (2008-2018): performance, procurement and policy. <i>Malaria Journal</i> , 2019 , 18, 387	3.6	38
90	Comparative effectiveness of malaria prevention measures: a systematic review and network meta-analysis. <i>Parasites and Vectors</i> , 2018 , 11, 210	4	20
89	Major Threat to Malaria Control Programs by Plasmodium falciparum Lacking Histidine-Rich Protein 2, Eritrea. <i>Emerging Infectious Diseases</i> , 2018 , 24, 462-470	10.2	86

88	An assessment of false positive rates for malaria rapid diagnostic tests caused by non-Plasmodium infectious agents and immunological factors. <i>PLoS ONE</i> , 2018 , 13, e0197395	3.7	11
87	Temporal patterns and predictors of bullying roles among adolescents in Vietnam: a school-based cohort study. <i>Psychology, Health and Medicine</i> , 2017 , 22, 107-121	2.1	53
86	Prototype Positive Control Wells for Malaria Rapid Diagnostic Tests: Prospective Evaluation of Implementation Among Health Workers in Lao People's Democratic Republic and Uganda. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 96, 319-329	3.2	4
85	Work it out's evaluation of a chronic condition self-management program for urban Aboriginal and Torres Strait Islander people, with or at risk of cardiovascular disease. <i>BMC Health Services Research</i> , 2017 , 17, 680	2.9	14
84	Implications of Parasites Lacking Plasmodium falciparum Histidine-Rich Protein 2 on Malaria Morbidity and Control When Rapid Diagnostic Tests Are Used for Diagnosis. <i>Journal of Infectious Diseases</i> , 2017 , 215, 1156-1166	7	34
83	Longitudinal associations between bullying and mental health among adolescents in Vietnam. <i>International Journal of Public Health</i> , 2017 , 62, 51-61	4	23
82	Malaria elimination in India and regional implications. <i>Lancet Infectious Diseases</i> , 2016 , 16, e214-e224	4.5	30
81	Malaria burden and costs of intensified control in Bhutan, 2006-14: an observational study and situation analysis. <i>The Lancet Global Health</i> , 2016 , 4, e336-43	13.6	10
80	Development and evaluation of a spatial decision support system for malaria elimination in Bhutan. <i>Malaria Journal</i> , 2016 , 15, 180	3.6	29
79	HRP2 and pLDH-Based Rapid Diagnostic Tests, Expert Microscopy, and PCR for Detection of Malaria Infection during Pregnancy and at Delivery in Areas of Varied Transmission: A Prospective Cohort Study in Burkina Faso and Uganda. <i>PLoS ONE</i> , 2016 , 11, e0156954	3.7	21
78	A simulation model of the within-host dynamics of Plasmodium vivax infection. <i>Malaria Journal</i> , 2015 , 14, 51	3.6	7
77	Systematic review of sub-microscopic P. vivax infections: prevalence and determining factors. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e3413	4.8	91
76	Pan-Plasmodium band sensitivity for Plasmodium falciparum detection in combination malaria rapid diagnostic tests and implications for clinical management. <i>Malaria Journal</i> , 2015 , 14, 115	3.6	24
75	Mitochondrial Membrane Potential in a Small Subset of Artemisinin-Induced Dormant Plasmodium falciparum Parasites In Vitro. <i>Journal of Infectious Diseases</i> , 2015 , 212, 426-34	7	50
74	Cross-border malaria: a major obstacle for malaria elimination. <i>Advances in Parasitology</i> , 2015 , 89, 79-107	3.2	67
73	Ross River Virus Disease Activity Associated With Naturally Occurring Nontidal Flood Events in Australia: A Systematic Review. <i>Journal of Medical Entomology</i> , 2014 , 51, 1097-108	2.2	15
72	Plasmodium falciparum parasites lacking histidine-rich protein 2 and 3: a review and recommendations for accurate reporting. <i>Malaria Journal</i> , 2014 , 13, 283	3.6	131
71	Circulating antibodies against Plasmodium falciparum histidine-rich proteins 2 interfere with antigen detection by rapid diagnostic tests. <i>Malaria Journal</i> , 2014 , 13, 480	3.6	22

70	Recasting the theory of mosquito-borne pathogen transmission dynamics and control. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2014 , 108, 185-97	2	110
69	Fatty acid synthesis and pyruvate metabolism pathways remain active in dihydroartemisinin-induced dormant ring stages of <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4773-81	5.9	45
68	Prevalence of asymptomatic malaria and bed net ownership and use in Bhutan, 2013: a country earmarked for malaria elimination. <i>Malaria Journal</i> , 2014 , 13, 352	3.6	12
67	A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970-2010. <i>Journal of the Royal Society Interface</i> , 2013 , 10, 20120921	4.1	239
66	The importance of mosquito behavioural adaptations to malaria control in Africa. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 1218-30	3.8	188
65	Preferential invasion by <i>Plasmodium</i> merozoites and the self-regulation of parasite burden. <i>PLoS ONE</i> , 2013 , 8, e57434	3.7	22
64	Artemisinin resistance in <i>Plasmodium falciparum</i> : A process linked to dormancy?. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2012 , 2, 249-255	4	54
63	Modelling the dynamics of <i>Plasmodium falciparum</i> histidine-rich protein 2 in human malaria to better understand malaria rapid diagnostic test performance. <i>Malaria Journal</i> , 2012 , 11, 74	3.6	26
62	An analytical method for assessing stage-specific drug activity in <i>Plasmodium vivax</i> malaria: implications for ex vivo drug susceptibility testing. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1772	4.8	22
61	Phenotypic changes in artemisinin-resistant <i>Plasmodium falciparum</i> lines in vitro: evidence for decreased sensitivity to dormancy and growth inhibition. <i>Antimicrobial Agents and Chemotherapy</i> , 2012 , 56, 428-31	5.9	51
60	Identification of optimal epitopes for <i>Plasmodium falciparum</i> rapid diagnostic tests that target histidine-rich proteins 2 and 3. <i>Journal of Clinical Microbiology</i> , 2012 , 50, 1397-405	9.7	50
59	Computational model of the lumbar spine musculature: implications of spinal surgery. <i>Clinical Biomechanics</i> , 2011 , 26, 116-22	2.2	7
58	Abundance and prevalence of <i>Aedes aegypti</i> immatures and relationships with household water storage in rural areas in southern Viet Nam. <i>International Health</i> , 2011 , 3, 115-25	2.4	19
57	Transcription and expression of <i>Plasmodium falciparum</i> histidine-rich proteins in different stages and strains: implications for rapid diagnostic tests. <i>PLoS ONE</i> , 2011 , 6, e22593	3.7	47
56	Blood transfer devices for malaria rapid diagnostic tests: evaluation of accuracy, safety and ease of use. <i>Malaria Journal</i> , 2011 , 10, 30	3.6	14
55	Artemisinin-induced parasite dormancy: a plausible mechanism for treatment failure. <i>Malaria Journal</i> , 2011 , 10, 56	3.6	62
54	An improved method for undertaking limiting dilution assays for in vitro cloning of <i>Plasmodium falciparum</i> parasites. <i>Malaria Journal</i> , 2011 , 10, 95	3.6	11
53	Spatial-temporal epidemiological analyses of two sympatric, co-endemic alphaviral diseases in Queensland, Australia. <i>Vector-Borne and Zoonotic Diseases</i> , 2011 , 11, 375-82	2.4	1

52	Interrupting malaria transmission: quantifying the impact of interventions in regions of low to moderate transmission. <i>PLoS ONE</i> , 2010 , 5, e15149	3.7	11
51	Artemisinin-induced dormancy in plasmodium falciparum: duration, recovery rates, and implications in treatment failure. <i>Journal of Infectious Diseases</i> , 2010 , 202, 1362-8	7	161
50	Deamplification of pfmdr1-containing amplicon on chromosome 5 in Plasmodium falciparum is associated with reduced resistance to artemisinin acid in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 3395-401	5.9	28
49	Suppression of mRNAs encoding tegument tetraspanins from Schistosoma mansoni results in impaired tegument turnover. <i>PLoS Pathogens</i> , 2010 , 6, e1000840	7.6	98
48	A large proportion of asymptomatic Plasmodium infections with low and sub-microscopic parasite densities in the low transmission setting of Temotu Province, Solomon Islands: challenges for malaria diagnostics in an elimination setting. <i>Malaria Journal</i> , 2010 , 9, 254	3.6	212
47	Global sequence variation in the histidine-rich proteins 2 and 3 of Plasmodium falciparum: implications for the performance of malaria rapid diagnostic tests. <i>Malaria Journal</i> , 2010 , 9, 129	3.6	110
46	Outbreak detection algorithms for seasonal disease data: a case study using Ross River virus disease. <i>BMC Medical Informatics and Decision Making</i> , 2010 , 10, 74	3.6	11
45	A three-dimensional mathematical model of the thoracolumbar fascia and an estimate of its biomechanical effect. <i>Journal of Biomechanics</i> , 2010 , 43, 2792-7	2.9	33
44	Sequential monitoring of hospital adverse events when control charts fail: the example of fall injuries in hospitals. <i>Quality and Safety in Health Care</i> , 2009 , 18, 473-7		9
43	Quality assurance of aerial applications of larvicides for mosquito control: effects of granule and catch tray size on field monitoring programs. <i>Journal of Economic Entomology</i> , 2009 , 102, 507-14	2.2	2
42	Can estimates of antimalarial efficacy from field studies be improved?. <i>Trends in Parasitology</i> , 2008 , 24, 68-73	6.4	17
41	No genetic bottleneck in Plasmodium falciparum wild-type Pfcr1 alleles reemerging in Hainan Island, China, following high-level chloroquine resistance. <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 345-7	5.9	14
40	Gender differences in gastrointestinal disturbances and plasma concentrations of tafenoquine in healthy volunteers after tafenoquine administration for post-exposure vivax malaria prophylaxis. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2007 , 101, 226-30	2	10
39	Relapses of Plasmodium vivax infection result from clonal hypnozoites activated at predetermined intervals. <i>Journal of Infectious Diseases</i> , 2007 , 195, 934-41	7	124
38	HIV-malaria interactions: don't forget the drugs. <i>Science</i> , 2007 , 315, 1791; author reply 1791	33.3	6
37	Critical Evaluation of Quantitative Sampling Methods for Aedes aegypti (Diptera: Culicidae) Immatures in Water Storage Containers in Vietnam. <i>Journal of Medical Entomology</i> , 2007 , 44, 192-204	2.2	45
36	Critical evaluation of quantitative sampling methods for Aedes aegypti (Diptera: Culicidae) immatures in water storage containers in Vietnam. <i>Journal of Medical Entomology</i> , 2007 , 44, 192-204	2.2	35
35	Differential changes in Plasmodium falciparum var transcription during adaptation to culture. <i>Journal of Infectious Diseases</i> , 2007 , 195, 748-55	7	42

34	Characterization of the antibody response against Plasmodium falciparum erythrocyte membrane protein 1 in human volunteers. <i>Infection and Immunity</i> , 2007 , 75, 5967-73	3.7	9
33	New control chart methods for monitoring MROs in Hospitals. <i>Healthcare Infection</i> , 2007 , 12, 14-18		5
32	Plasmodium falciparum infection dynamics and transmission potential following treatment with sulfadoxine-pyrimethamine. <i>Journal of Antimicrobial Chemotherapy</i> , 2006 , 58, 47-51	5.1	8
31	Physical linkage to drug resistance genes results in conservation of var genes among West Pacific Plasmodium falciparum isolates. <i>Journal of Infectious Diseases</i> , 2006 , 194, 939-48	7	11
30	Effect of sequence variation in Plasmodium falciparum histidine- rich protein 2 on binding of specific monoclonal antibodies: Implications for rapid diagnostic tests for malaria. <i>Journal of Clinical Microbiology</i> , 2006 , 44, 2773-8	9.7	138
29	Ross River virus disease clusters and spatial relationship with mosquito biting exposure in Redland Shire, southern Queensland, Australia. <i>Journal of Medical Entomology</i> , 2006 , 43, 1042-59	2.2	13
28	Detection sensitivity and quantitation of Plasmodium falciparum var gene transcripts by real-time RT-PCR in comparison with conventional RT-PCR. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 212-8	3.2	10
27	EFFICACY OF SULFADOXINE-PYRIMETHAMINE IN THE TREATMENT OF UNCOMPLICATED PLASMODIUM FALCIPARUM MALARIA IN EAST TIMOR. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 74, 361-366	3.2	2
26	DETECTION SENSITIVITY AND QUANTITATION OF PLASMODIUM FALCIPARUM VAR GENE TRANSCRIPTS BY REAL-TIME RT-PCR IN COMPARISON WITH CONVENTIONAL RT-PCR. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 212-218	3.2	12
25	Efficacy of sulfadoxine-pyrimethamine in the treatment of uncomplicated Plasmodium falciparum malaria in East Timor. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 74, 361-6	3.2	4
24	Enhanced invasion of blood group A1 erythrocytes by Plasmodium falciparum. <i>Molecular and Biochemical Parasitology</i> , 2005 , 144, 128-30	1.9	13
23	Genetic diversity of Plasmodium falciparum histidine-rich protein 2 (PfHRP2) and its effect on the performance of PfHRP2-based rapid diagnostic tests. <i>Journal of Infectious Diseases</i> , 2005 , 192, 870-7	7	203
22	ANTIBODY REACTIVITY TO LINEAR EPITOPES OF PLASMODIUM FALCIPARUM CYTOADHERENCE-LINKED ASEXUAL GENE 9 IN ASYMPTOMATIC CHILDREN AND ADULTS FROM PAPUA NEW GUINEA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2005 , 72, 708-713	3.2	6
21	ENVIRONMENTAL PREDICTORS OF ROSS RIVER VIRUS DISEASE OUTBREAKS IN QUEENSLAND, AUSTRALIA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2005 , 72, 792-799	3.2	41
20	Evolution of resistance to sulfadoxine-pyrimethamine in Plasmodium falciparum. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 2116-23	5.9	53
19	Inhibition of 19-kDa C-terminal region of merozoite surface protein-1-specific antibody responses in neonatal pups by maternally derived 19-kDa C-terminal region of merozoite surface protein-1-specific antibodies but not whole parasite-specific antibodies. <i>Journal of Immunology</i> , 2004 , 172, 5570-81	5.3	13
18	Modeling the development of acquired clinical immunity to Plasmodium falciparum malaria. <i>Infection and Immunity</i> , 2004 , 72, 6538-45	3.7	26
17	Costs to the patient for seeking malaria care in Myanmar. <i>Acta Tropica</i> , 2004 , 92, 173-7	3.2	13

16	Investigating antigenic variation and other parasite-host interactions in Plasmodium falciparum infections in naïve hosts. <i>Parasitology</i> , 2004 , 128, 367-76	2.7	16
15	SPATIAL-TEMPORAL ANALYSIS OF ROSS RIVER VIRUS DISEASE PATTERNS IN QUEENSLAND, AUSTRALIA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 629-635	3.2	34
14	Spatial-temporal analysis of Ross River virus disease patterns in Queensland, Australia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2004 , 71, 629-35	3.2	15
13	Switching rates of Plasmodium falciparum var genes: faster than we thought?. <i>Trends in Parasitology</i> , 2003 , 19, 202-8	6.4	30
12	Genetic diversity of the DBLalpha region in Plasmodium falciparum var genes among Asia-Pacific isolates. <i>Molecular and Biochemical Parasitology</i> , 2002 , 120, 117-26	1.9	45
11	Nature and specificity of the required protective immune response that develops postchallenge in mice vaccinated with the 19-kilodalton fragment of Plasmodium yoelii merozoite surface protein 1. <i>Infection and Immunity</i> , 2002 , 70, 6013-20	3.7	13
10	High diversity and rapid changeover of expressed var genes during the acute phase of Plasmodium falciparum infections in human volunteers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 10689-94	11.5	92
9	The Plasmodium falciparum var gene switching rate, switching mechanism and patterns of parasite recrudescence described by mathematical modelling. <i>Parasitology</i> , 2002 , 124, 225-35	2.7	49
8	Mutations in cytochrome b resulting in atovaquone resistance are associated with loss of fitness in Plasmodium falciparum. <i>Antimicrobial Agents and Chemotherapy</i> , 2002 , 46, 2435-41	5.9	48
7	Performance appraisal of rapid on-site malaria diagnosis (ICT malaria Pf/Pv test) in relation to human resources at village level in Myanmar. <i>Acta Tropica</i> , 2002 , 81, 13-9	3.2	32
6	Evaluation of the pyrogenic threshold for Plasmodium falciparum malaria in naive individuals. <i>American Journal of Tropical Medicine and Hygiene</i> , 2002 , 66, 467-73	3.2	37
5	Modelling the line of action for the oblique abdominal muscles using an elliptical torso model. <i>Journal of Biomechanics</i> , 2001 , 34, 1203-7	2.9	20
4	Time of treatment influences the appearance of drug-resistant parasites in Plasmodium falciparum infections. <i>Parasitology</i> , 2001 , 123, 537-46	2.7	14
3	Kinematics and movement sequencing during flexion of the lumbar spine. <i>Clinical Biomechanics</i> , 1999 , 14, 376-83	2.2	38
2	Difficulties in estimating muscle forces from muscle cross-sectional area. An example using the psoas major muscle. <i>Spine</i> , 1999 , 24, 1487-93	3.3	11
1	Field epidemiological studies on malaria in a low endemic area in the Philippines. <i>Acta Tropica</i> , 1997 , 63, 241-56	3.2	27