

Michelle L Gatton

List of Publications by Year in descending order

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106
papers

5,029
citations

94433

37
h-index

106344

65
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106
all docs

106
docs citations

106
times ranked

5132
citing authors

#	ARTICLE	IF	CITATIONS
1	Household Food Insecurity in Regions of the Vietnamese Mekong Delta: Prevalence and Risk Factors. <i>Journal of Hunger and Environmental Nutrition</i> , 2023, 18, 503-523.	1.9	1
2	Modelling the epidemiology of malaria and spread of HRP2-negative <i>Plasmodium falciparum</i> following the replacement of HRP2-detecting rapid diagnostic tests. <i>PLOS Global Public Health</i> , 2022, 2, e0000106.	1.6	3
3	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.	2.5	5
4	Climate variability, socio-ecological factors and dengue transmission in tropical Queensland, Australia: A Bayesian spatial analysis. <i>Environmental Research</i> , 2021, 195, 110285.	7.5	11
5	Dormant <i>Plasmodium falciparum</i> Parasites in Human Infections Following Artesunate Therapy. <i>Journal of Infectious Diseases</i> , 2021, 223, 1631-1638.	4.0	18
6	Epidemiology of mutant <i>Plasmodium falciparum</i> 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.	3.3	15
7	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.	1.8	9
8	Impact of <i>Plasmodium falciparum</i> gene deletions on malaria rapid diagnostic test performance. <i>Malaria Journal</i> , 2020, 19, 392.	2.3	25
9	Different responses of dengue to weather variability across climate zones in Queensland, Australia. <i>Environmental Research</i> , 2020, 184, 109222.	7.5	15
10	Spatial and temporal analysis of dengue infections in Queensland, Australia: Recent trend and perspectives. <i>PLoS ONE</i> , 2019, 14, e0220134.	2.5	10
11	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.	2.5	16
12	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.	2.7	23
13	Area socioeconomic status is independently associated with esophageal cancer mortality in Shandong, China. <i>Scientific Reports</i> , 2019, 9, 6388.	3.3	13
14	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.	2.3	15
15	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.	2.5	35
16	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.	2.3	86
17	Comparative effectiveness of malaria prevention measures: a systematic review and network meta-analysis. <i>Parasites and Vectors</i> , 2018, 11, 210.	2.5	44
18	An assessment of false positive rates for malaria rapid diagnostic tests caused by non- <i>Plasmodium</i> infectious agents and immunological factors. <i>PLoS ONE</i> , 2018, 13, e0197395.	2.5	23

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19	Major Threat to Malaria Control Programs by <i>Plasmodium falciparum</i> Lacking Histidine-Rich Protein 2, Eritrea. <i>Emerging Infectious Diseases</i> , 2018, 24, 462-470.	4.3	135
20	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.	2.4	68
21	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.	1.4	4
22	Implications of Parasites Lacking <i>Plasmodium falciparum</i> 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.	4.0	46
23	Longitudinal associations between bullying and mental health among adolescents in Vietnam. <i>International Journal of Public Health</i> , 2017, 62, 51-61.	2.3	31
24	“Work it out™”: 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.	2.2	15
25	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.	2.5	27
26	Malaria elimination in India and regional implications. <i>Lancet Infectious Diseases</i> , The, 2016, 16, e214-e224.	9.1	43
27	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-e343.	6.3	12
28	Development and evaluation of a spatial decision support system for malaria elimination in Bhutan. <i>Malaria Journal</i> , 2016, 15, 180.	2.3	35
29	Cross-Border Malaria: A Major Obstacle for Malaria Elimination. <i>Advances in Parasitology</i> , 2015, 89, 79-107.	3.2	100
30	A simulation model of the within-host dynamics of <i>Plasmodium vivax</i> infection. <i>Malaria Journal</i> , 2015, 14, 51.	2.3	8
31	Systematic Review of Sub-microscopic <i>P. vivax</i> Infections: Prevalence and Determining Factors. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e3413.	3.0	114
32	Pan- <i>Plasmodium</i> band sensitivity for <i>Plasmodium falciparum</i> detection in combination malaria rapid diagnostic tests and implications for clinical management. <i>Malaria Journal</i> , 2015, 14, 115.	2.3	30
33	Mitochondrial Membrane Potential in a Small Subset of Artemisinin-Induced Dormant <i>Plasmodium falciparum</i> Parasites In Vitro. <i>Journal of Infectious Diseases</i> , 2015, 212, 426-434.	4.0	62
34	Circulating antibodies against <i>Plasmodium falciparum</i> histidine-rich proteins 2 interfere with antigen detection by rapid diagnostic tests. <i>Malaria Journal</i> , 2014, 13, 480.	2.3	31
35	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, 185-197.	1.8	142
36	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, 4773-4781.	3.2	62

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37	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.	2.3	16
38	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, 1097-1108.	1.8	23
39	<i>Plasmodium falciparum</i> parasites lacking histidine-rich protein 2 and 3: a review and recommendations for accurate reporting. <i>Malaria Journal</i> , 2014, 13, 283.	2.3	176
40	A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970â€“2010. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120921.	3.4	306
41	THE IMPORTANCE OF MOSQUITO BEHAVIOURAL ADAPTATIONS TO MALARIA CONTROL IN AFRICA. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 1218-1230.	2.3	253
42	Preferential Invasion by <i>Plasmodium</i> Merozoites and the Self-Regulation of Parasite Burden. <i>PLoS ONE</i> , 2013, 8, e57434.	2.5	40
43	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.	3.0	23
44	Phenotypic Changes in Artemisinin-Resistant <i>Plasmodium falciparum</i> Lines <i>In Vitro</i> : Evidence for Decreased Sensitivity to Dormancy and Growth Inhibition. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 428-431.	3.2	63
45	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, 1397-1405.	3.9	57
46	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.	3.4	69
47	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.	2.3	33
48	Spatial-Temporal Epidemiological Analyses of Two Sympatric, Co-Endemic Alphaviral Diseases in Queensland, Australia. <i>Vector-Borne and Zoonotic Diseases</i> , 2011, 11, 375-382.	1.5	2
49	Computational model of the lumbar spine musculature: Implications of spinal surgery. <i>Clinical Biomechanics</i> , 2011, 26, 116-122.	1.2	9
50	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, 115-125.	2.0	25
51	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.	2.5	61
52	Blood transfer devices for malaria rapid diagnostic tests: evaluation of accuracy, safety and ease of use. <i>Malaria Journal</i> , 2011, 10, 30.	2.3	15
53	Artemisinin-induced parasite dormancy: a plausible mechanism for treatment failure. <i>Malaria Journal</i> , 2011, 10, 56.	2.3	78
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.	2.3	13

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55	Outbreak detection algorithms for seasonal disease data: a case study using ross river virus disease. BMC Medical Informatics and Decision Making, 2010, 10, 74.	3.0	16
56	A three-dimensional mathematical model of the thoracolumbar fascia and an estimate of its biomechanical effect. Journal of Biomechanics, 2010, 43, 2792-2797.	2.1	38
57	Interrupting Malaria Transmission: Quantifying the Impact of Interventions in Regions of Low to Moderate Transmission. PLoS ONE, 2010, 5, e15149.	2.5	12
58	Artemisinin-Induced Dormancy in <i>Plasmodium falciparum</i> : Duration, Recovery Rates, and Implications in Treatment Failure. Journal of Infectious Diseases, 2010, 202, 1362-1368.	4.0	195
59	Deamplification of pfm _{dr1} -Containing Amplicon on Chromosome 5 in <i>Plasmodium falciparum</i> Is Associated with Reduced Resistance to Artesinic Acid In Vitro. Antimicrobial Agents and Chemotherapy, 2010, 54, 3395-3401.	3.2	30
60	Suppression of mRNAs Encoding Tegument Tetraspanins from <i>Schistosoma mansoni</i> Results in Impaired Tegument Turnover. PLoS Pathogens, 2010, 6, e1000840.	4.7	117
61	A large proportion of asymptomatic <i>Plasmodium</i> 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. Malaria Journal, 2010, 9, 254.	2.3	243
62	Global sequence variation in the histidine-rich proteins 2 and 3 of <i>Plasmodium falciparum</i> : implications for the performance of malaria rapid diagnostic tests. Malaria Journal, 2010, 9, 129.	2.3	136
63	Sequential monitoring of hospital adverse events when control charts fail: the example of fall injuries in hospitals. Quality and Safety in Health Care, 2009, 18, 473-477.	2.5	10
64	Quality Assurance of Aerial Applications of Larvicides for Mosquito Control: Effects of Granule and Catch Tray Size on Field Monitoring Programs. Journal of Economic Entomology, 2009, 102, 507-514.	1.8	3
65	Can estimates of antimalarial efficacy from field studies be improved?. Trends in Parasitology, 2008, 24, 68-73.	3.3	17
66	No Genetic Bottleneck in <i>Plasmodium falciparum</i> Wild-Type Pf <i>crt</i> Alleles Reemerging in Hainan Island, China, following High-Level Chloroquine Resistance. Antimicrobial Agents and Chemotherapy, 2008, 52, 345-347.	3.2	14
67	Relapses of <i>Plasmodium vivax</i> Infection Result from Clonal Hypnozoites Activated at Predetermined Intervals. Journal of Infectious Diseases, 2007, 195, 934-941.	4.0	144
68	HIV-Malaria Interactions: Don't Forget the Drugs. Science, 2007, 315, 1791-1791.	12.6	6
69	Critical Evaluation of Quantitative Sampling Methods for <i>Aedes aegypti</i> (Diptera: Culicidae) Immatures in Water Storage Containers in Vietnam. Journal of Medical Entomology, 2007, 44, 192-204.	1.8	51
70	Critical Evaluation of Quantitative Sampling Methods for <i>Aedes aegypti</i> (Diptera: Culicidae) Immatures in Water Storage Containers in Vietnam. Journal of Medical Entomology, 2007, 44, 192-204.	1.8	41
71	Differential Changes in <i>Plasmodium falciparum</i> var Transcription during Adaptation to Culture. Journal of Infectious Diseases, 2007, 195, 748-755.	4.0	53
72	Characterization of the Antibody Response against <i>Plasmodium falciparum</i> Erythrocyte Membrane Protein 1 in Human Volunteers. Infection and Immunity, 2007, 75, 5967-5973.	2.2	10

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73	New control chart methods for monitoring MROs in Hospitals. <i>Healthcare Infection</i> , 2007, 12, 14-18.	0.1	8
74	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, 226-230.	1.8	14
75	<i>Plasmodium falciparum</i> infection dynamics and transmission potential following treatment with sulfadoxine-pyrimethamine. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 58, 47-51.	3.0	8
76	Physical Linkage to Drug Resistance Genes Results in Conservation of var Genes among West Pacific <i>Plasmodium falciparum</i> Isolates. <i>Journal of Infectious Diseases</i> , 2006, 194, 939-948.	4.0	11
77	Effect of Sequence Variation in <i>Plasmodium falciparum</i> 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, 2773-2778.	3.9	155
78	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, 1042-1059.	1.8	16
79	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.	1.4	4
80	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.	1.4	13
81	Detection sensitivity and quantitation of <i>Plasmodium falciparum</i> 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.	1.4	11
82	Efficacy of sulfadoxine-pyrimethamine in the treatment of uncomplicated <i>Plasmodium falciparum</i> malaria in East Timor. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 74, 361-6.	1.4	4
83	Enhanced invasion of blood group A1 erythrocytes by <i>Plasmodium falciparum</i> . <i>Molecular and Biochemical Parasitology</i> , 2005, 144, 128-130.	1.1	17
84	Genetic Diversity of <i>Plasmodium falciparum</i> 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, 870-877.	4.0	240
85	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.	1.4	7
86	ENVIRONMENTAL PREDICTORS OF ROSS RIVER VIRUS DISEASE OUTBREAKS IN QUEENSLAND, AUSTRALIA. <i>American Journal of Tropical Medicine and Hygiene</i> , 2005, 72, 792-799.	1.4	50
87	Evolution of Resistance to Sulfadoxine-Pyrimethamine in <i>Plasmodium falciparum</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2116-2123.	3.2	73
88	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, 5570-5581.	0.8	14
89	Modeling the Development of Acquired Clinical Immunity to <i>Plasmodium falciparum</i> Malaria. <i>Infection and Immunity</i> , 2004, 72, 6538-6545.	2.2	35
90	Costs to the patient for seeking malaria care in Myanmar. <i>Acta Tropica</i> , 2004, 92, 173-177.	2.0	15

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91	Investigating antigenic variation and other parasitehost interactions in Plasmodium falciparum infections in nave hosts. Parasitology, 2004, 128, 367-376.	1.5	20
92	SPATIAL-TEMPORAL ANALYSIS OF ROSS RIVER VIRUS DISEASE PATTERNS IN QUEENSLAND, AUSTRALIA. American Journal of Tropical Medicine and Hygiene, 2004, 71, 629-635.	1.4	43
93	Spatial-temporal analysis of Ross River virus disease patterns in Queensland, Australia. American Journal of Tropical Medicine and Hygiene, 2004, 71, 629-35.	1.4	17
94	Switching rates of Plasmodium falciparum var genes: faster than we thought?. Trends in Parasitology, 2003, 19, 202-208.	3.3	38
95	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. Infection and Immunity, 2002, 70, 6013-6020.	2.2	13
96	High diversity and rapid changeover of expressed var genes during the acute phase of Plasmodium falciparum infections in human volunteers. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 10689-10694.	7.1	103
97	The Plasmodium falciparum var gene switching rate, switching mechanism and patterns of parasite recrudescence described by mathematical modelling. Parasitology, 2002, 124, 225-235.	1.5	57
98	Mutations in Cytochrome b Resulting in Atovaquone Resistance Are Associated with Loss of Fitness in Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2002, 46, 2435-2441.	3.2	53
99	Performance appraisal of rapid on-site malaria diagnosis (ICT malaria Pf/Pv test) in relation to human resources at village level in Myanmar. Acta Tropica, 2002, 81, 13-19.	2.0	36
100	Genetic diversity of the DBL \pm region in Plasmodium falciparum var genes among Asia-Pacific isolates \hat{t} . Molecular and Biochemical Parasitology, 2002, 120, 117-126.	1.1	52
101	Evaluation of the pyrogenic threshold for Plasmodium falciparum malaria in naive individuals.. American Journal of Tropical Medicine and Hygiene, 2002, 66, 467-473.	1.4	45
102	Time of treatment influences the appearance of drug-resistant parasites in Plasmodium falciparum infections. Parasitology, 2001, 123, 537-46.	1.5	16
103	Modelling the line of action for the oblique abdominal muscles using an elliptical torso model. Journal of Biomechanics, 2001, 34, 1203-1207.	2.1	22
104	Kinematics and movement sequencing during flexion of the lumbar spine. Clinical Biomechanics, 1999, 14, 376-383.	1.2	42
105	Difficulties in Estimating Muscle Forces From Muscle Cross-Sectional Area. Spine, 1999, 24, 1487.	2.0	16
106	Field epidemiological studies on malaria in a low endemic area in the Philippines. Acta Tropica, 1997, 63, 241-256.	2.0	31