Katherine E Battle

List of Publications by Citations

50 papers	6,915 citations	27 h-index	56 g-index
56 ext. papers	8,866 ext. citations	10.4 avg, IF	5.03 L-index

#	Paper	IF	Citations
50	Global, regional, and national incidence, prevalence, and years lived with disability for 328 diseases and injuries for 195 countries, 1990-2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet, The*, **2017**, 390, 1211-1259	40	3432
49	A long neglected world malaria map: Plasmodium vivax endemicity in 2010. *PLoS Neglected Tropical Diseases*, **2012**, 6, e1814	4.8	392
48	Global spread of dengue virus types: mapping the 70 year history. *Trends in Microbiology*, **2014**, 22, 138-46	12.4	368
47	Ross, macdonald, and a theory for the dynamics and control of mosquito-transmitted pathogens. *PLoS Pathogens*, **2012**, 8, e1002588	7.6	308
46	G6PD deficiency prevalence and estimates of affected populations in malaria endemic countries: a geostatistical model-based map. *PLoS Medicine*, **2012**, 9, e1001339	11.6	298
45	Global Epidemiology of Plasmodium vivax. *American Journal of Tropical Medicine and Hygiene*, **2016**, 95, 15-34	3.2	215
44	Geographical variation in Plasmodium vivax relapse. *Malaria Journal*, **2014**, 13, 144	3.6	167
43	Mapping Plasmodium falciparum Mortality in Africa between 1990 and 2015. *New England Journal of Medicine*, **2016**, 375, 2435-2445	59.2	166
42	Mapping the global prevalence, incidence, and mortality of Plasmodium falciparum, 2000-17: a spatial and temporal modelling study. *Lancet, The*, **2019**, 394, 322-331	40	155
41	Global distribution maps of the leishmaniases. *ELife*, **2014**, 3,	8.9	151
40	Mapping the global endemicity and clinical burden of Plasmodium vivax, 2000-17: a spatial and temporal modelling study. *Lancet, The*, **2019**, 394, 332-343	40	149
39	G6PD deficiency: global distribution, genetic variants and primaquine therapy. *Advances in Parasitology*, **2013**, 81, 133-201	3.2	143
38	Spatial distribution of G6PD deficiency variants across malaria-endemic regions. *Malaria Journal*, **2013**, 12, 418	3.6	102
37	The global public health significance of Plasmodium vivax. *Advances in Parasitology*, **2012**, 80, 1-111	3.2	91
36	Plasmodium vivax Transmission in Africa. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0004222	4.8	71
35	Indirect effects of the COVID-19 pandemic on malaria intervention coverage, morbidity, and mortality in Africa: a geospatial modelling analysis. *Lancet Infectious Diseases, The*, **2021**, 21, 59-69	25.5	71
34	Growing evidence of Plasmodium vivax across malaria-endemic Africa. *PLoS Neglected Tropical Diseases*, **2019**, 13, e0007140	4.8	70

33	Modelling the contribution of the hypnozoite reservoir to Plasmodium vivax transmission. *ELife*, **2014**, 3,	8.9	65
32	Plasmodium vivax in the Era of the Shrinking P. falciparum Map. *Trends in Parasitology*, **2020**, 36, 560-570	6.4	54
31	Defining the relationship between infection prevalence and clinical incidence of Plasmodium falciparum malaria. *Nature Communications*, **2015**, 6, 8170	17.4	52
30	Primaquine ineligibility in anti-relapse therapy of Plasmodium vivax malaria: the problem of G6PD deficiency and cytochrome P-450 2D6 polymorphisms. *Malaria Journal*, **2018**, 17, 42	3.6	41
29	malariaAtlas: an R interface to global malariometric data hosted by the Malaria Atlas Project. *Malaria Journal*, **2018**, 17, 352	3.6	38
28	Treatment-seeking rates in malaria endemic countries. *Malaria Journal*, **2016**, 15, 20	3.6	37
27	Challenges for achieving safe and effective radical cure of Plasmodium vivax: a round table discussion of the APMEN Vivax Working Group. *Malaria Journal*, **2017**, 16, 141	3.6	36
26	Global database of leishmaniasis occurrence locations, 1960-2012. *Scientific Data*, **2014**, 1, 140036	8.2	34
25	Spatio-temporal mapping of Madagascar's Malaria Indicator Survey results to assess Plasmodium falciparum endemicity trends between 2011 and 2016. *BMC Medicine*, **2018**, 16, 71	11.4	34
24	Human mobility patterns and malaria importation on Bioko Island. *Nature Communications*, **2019**, 10, 2332	17.4	28
23	Prioritising Infectious Disease Mapping. *PLoS Neglected Tropical Diseases*, **2015**, 9, e0003756	4.8	20
22	Global database of matched Plasmodium falciparum and P. vivax incidence and prevalence records from 1985-2013. *Scientific Data*, **2015**, 2, 150012	8.2	19
21	Heterogeneous exposure and hotspots for malaria vectors at three study sites in Uganda. *Gates Open Research*, **2018**, 2, 32	2.4	14
20	Mapping malaria seasonality in Madagascar using health facility data. *BMC Medicine*, **2020**, 18, 26	11.4	10
19	Global estimation of anti-malarial drug effectiveness for the treatment of uncomplicated Plasmodium falciparum malaria 1991-2019. *Malaria Journal*, **2020**, 19, 374	3.6	9
18	Defining the relationship between Plasmodium vivax parasite rate and clinical disease. *Malaria Journal*, **2015**, 14, 191	3.6	8
17	Maps and metrics of insecticide-treated net access, use, and nets-per-capita in Africa from 2000-2020. *Nature Communications*, **2021**, 12, 3589	17.4	8
16	Tracking progress towards malaria elimination in China: Individual-level estimates of transmission and its spatiotemporal variation using a diffusion network approach. *PLoS Computational Biology*, **2020**, 16, e1007707	5	6

15	Association between the proportion of Plasmodium falciparum and Plasmodium vivax infections detected by passive surveillance and the magnitude of the asymptomatic reservoir in the community: a pooled analysis of paired health facility and community data. *Lancet Infectious Diseases, The*, **2020**, 20, 953-963	25.5	6
14	Consultative meeting that examined alignment and discrepancies between health facility and household survey data in Malawi. *Malaria Journal*, **2019**, 18, 411	3.6	4
13	The global burden of Plasmodium vivax malaria is obscure and insidious. *PLoS Medicine*, **2021**, 18, e1003796	11.6	3
12	Improving disaggregation models of malaria incidence by ensembling non-linear models of prevalence. *Spatial and Spatio-temporal Epidemiology*, **2020**, 100357	3.5	3
11	Mapping malaria by sharing spatial information between incidence and prevalence datasets		2
10	Global economic costs due to vivax malaria and the potential impact of its radical cure: A modelling study. *PLoS Medicine*, **2021**, 18, e1003614	11.6	2
9	Geographical origin of post-landmine injury malaria infections. *Disaster Medicine and Public Health Preparedness*, **2014**, 8, 417-21	2.8	1
8	Heterogeneous exposure and hotspots for malaria vectors at three study sites in Uganda. *Gates Open Research*,2, 32	2.4	1
7	Mapping malaria by sharing spatial information between incidence and prevalence data sets. *Journal of the Royal Statistical Society Series C: Applied Statistics*, **2021**, 70, 733-749	1.5	1
6	Mapping the endemicity and seasonality of clinical malaria for intervention targeting in Haiti using routine case data. *ELife*, **2021**, 10,	8.9	1
5	Quantifying malaria acquired during travel and its role in malaria elimination on Bioko Island. *Malaria Journal*, **2021**, 20, 359	3.6	1
4	Tracking progress towards malaria elimination in China: Individual-level estimates of transmission and its spatiotemporal variation using a diffusion network approach **2020**, 16, e1007707		
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