

# David L Smith

## List of Publications by Year in descending order

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259  
papers

58,666  
citations

3531

90  
h-index

1190

228  
g-index

287  
all docs

287  
docs citations

287  
times ranked

70788  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global, regional, and national incidence, prevalence, and years lived with disability for 354 diseases and injuries for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 1789-1858.	13.7	8,569
2	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. <i>Lancet, The</i> , 2017, 390, 1211-1259.	13.7	5,578
3	Global, regional, and national age-sex specific mortality for 264 causes of death, 1980–2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet, The</i> , 2017, 390, 1151-1210.	13.7	3,565
4	Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 1923-1994.	13.7	3,269
5	The effect of malaria control on <i>Plasmodium falciparum</i> in Africa between 2000 and 2015. <i>Nature</i> , 2015, 526, 207-211.	27.8	2,140
6	Global, regional, and national disability-adjusted life-years (DALYs) for 359 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018, 392, 1859-1922.	13.7	2,123
7	Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet, The</i> , 2017, 390, 1345-1422.	13.7	1,879
8	Global, regional, and national disability-adjusted life-years (DALYs) for 333 diseases and injuries and healthy life expectancy (HALE) for 195 countries and territories, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet, The</i> , 2017, 390, 1260-1344.	13.7	1,589
9	The global distribution of the arbovirus vectors <i>Aedes aegypti</i> and <i>Ae. albopictus</i> . <i>ELife</i> , 2015, 4, e08347.	6.0	1,428
10	Suberoylanilide hydroxamic acid, a histone deacetylase inhibitor, ameliorates motor deficits in a mouse model of Huntington's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2041-2046.	7.1	805
11	Quantifying the Impact of Human Mobility on Malaria. <i>Science</i> , 2012, 338, 267-270.	12.6	788
12	Hospitalizations and Deaths Caused by Methicillin-Resistant <i>Staphylococcus aureus</i> , United States, 1999–2005. <i>Emerging Infectious Diseases</i> , 2007, 13, 1840-1846.	4.3	741
13	Synchrony, Waves, and Spatial Hierarchies in the Spread of Influenza. <i>Science</i> , 2006, 312, 447-451.	12.6	726
14	Past and future spread of the arbovirus vectors <i>Aedes aegypti</i> and <i>Aedes albopictus</i> . <i>Nature Microbiology</i> , 2019, 4, 854-863.	13.3	699
15	A new world malaria map: <i>Plasmodium falciparum</i> endemicity in 2010. <i>Malaria Journal</i> , 2011, 10, 378.	2.3	662
16	Biased efficacy estimates in phase-III dengue vaccine trials due to heterogeneous exposure and differential detectability of primary infections across trial arms. <i>PLoS ONE</i> , 2019, 14, e0210041.	2.5	606
17	Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970–2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet, The</i> , 2017, 390, 1084-1150.	13.7	573
18	The global burden of typhoid and paratyphoid fevers: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases, The</i> , 2019, 19, 369-381.	9.1	461

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19	A World Malaria Map: Plasmodium falciparum Endemicity in 2007. PLoS Medicine, 2009, 6, e1000048.	8.4	460
20	Hitting Hotspots: Spatial Targeting of Malaria for Control and Elimination. PLoS Medicine, 2012, 9, e1001165.	8.4	460
21	A Long Neglected World Malaria Map: Plasmodium vivax Endemicity in 2010. PLoS Neglected Tropical Diseases, 2012, 6, e1814.	3.0	448
22	Ross, Macdonald, and a Theory for the Dynamics and Control of Mosquito-Transmitted Pathogens. PLoS Pathogens, 2012, 8, e1002588.	4.7	432
23	Malaria resurgence: a systematic review and assessment of its causes. Malaria Journal, 2012, 11, 122.	2.3	381
24	Animal antibiotic use has an early but important impact on the emergence of antibiotic resistance in human commensal bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6434-6439.	7.1	377
25	Statics and dynamics of malaria infection in Anopheles mosquitoes. Malaria Journal, 2004, 3, 13.	2.3	363
26	Revisiting the Basic Reproductive Number for Malaria and Its Implications for Malaria Control. PLoS Biology, 2007, 5, e42.	5.6	362
27	Modelling adult Aedes aegypti and Aedes albopictus survival at different temperatures in laboratory and field settings. Parasites and Vectors, 2013, 6, 351.	2.5	357
28	The Limits and Intensity of Plasmodium falciparum Transmission: Implications for Malaria Control and Elimination Worldwide. PLoS Medicine, 2008, 5, e38.	8.4	344
29	Mapping the zoonotic niche of Ebola virus disease in Africa. ELife, 2014, 3, e04395.	6.0	328
30	Mortality, morbidity, and hospitalisations due to influenza lower respiratory tract infections, 2017: an analysis for the Global Burden of Disease Study 2017. Lancet Respiratory Medicine, the, 2019, 7, 69-89.	10.7	326
31	Estimating the reproductive numbers for the 2008–2009 cholera outbreaks in Zimbabwe. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 8767-8772.	7.1	320
32	Predicting the spatial dynamics of rabies epidemics on heterogeneous landscapes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3668-3672.	7.1	319
33	The entomological inoculation rate and Plasmodium falciparum infection in African children. Nature, 2005, 438, 492-495.	27.8	316
34	Mapping HIV prevalence in sub-Saharan Africa between 2000 and 2017. Nature, 2019, 570, 189-193.	27.8	314
35	Operational strategies to achieve and maintain malaria elimination. Lancet, The, 2010, 376, 1592-1603.	13.7	311
36	A systematic review of mathematical models of mosquito-borne pathogen transmission: 1970–2010. Journal of the Royal Society Interface, 2013, 10, 20120921.	3.4	306

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37	Climate change and the global malaria recession. <i>Nature</i> , 2010, 465, 342-345.	27.8	304
38	Mapping the global prevalence, incidence, and mortality of <i>Plasmodium falciparum</i> , 2000–17: a spatial and temporal modelling study. <i>Lancet, The</i> , 2019, 394, 322-331.	13.7	290
39	Hyperinfectivity: A Critical Element in the Ability of <i>V. cholerae</i> to Cause Epidemics?. <i>PLoS Medicine</i> , 2005, 3, e7.	8.4	289
40	Global Epidemiology of <i>Plasmodium vivax</i> . <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 15-34.	1.4	287
41	The Potential for Respiratory Droplet-Transmissible A/H5N1 Influenza Virus to Evolve in a Mammalian Host. <i>Science</i> , 2012, 336, 1541-1547.	12.6	286
42	Measuring progress and projecting attainment on the basis of past trends of the health-related Sustainable Development Goals in 188 countries: an analysis from the Global Burden of Disease Study 2016. <i>Lancet, The</i> , 2017, 390, 1423-1459.	13.7	284
43	Global temperature constraints on <i>Aedes aegypti</i> and <i>Ae. albopictus</i> persistence and competence for dengue virus transmission. <i>Parasites and Vectors</i> , 2014, 7, 338.	2.5	280
44	Mapping the global endemicity and clinical burden of <i>Plasmodium vivax</i> , 2000–17: a spatial and temporal modelling study. <i>Lancet, The</i> , 2019, 394, 332-343.	13.7	276
45	Targeting Asymptomatic Malaria Infections: Active Surveillance in Control and Elimination. <i>PLoS Medicine</i> , 2013, 10, e1001467.	8.4	274
46	Measuring malaria endemicity from intense to interrupted transmission. <i>Lancet Infectious Diseases, The</i> , 2008, 8, 369-378.	9.1	270
47	The Risk of a Mosquito-Borne Infection in a Heterogeneous Environment. <i>PLoS Biology</i> , 2004, 2, e368.	5.6	269
48	Geographical variation in <i>Plasmodium vivax</i> relapse. <i>Malaria Journal</i> , 2014, 13, 144.	2.3	223
49	Mapping under-5 and neonatal mortality in Africa, 2000–15: a baseline analysis for the Sustainable Development Goals. <i>Lancet, The</i> , 2017, 390, 2171-2182.	13.7	214
50	Mapping <i>Plasmodium falciparum</i> Mortality in Africa between 1990 and 2015. <i>New England Journal of Medicine</i> , 2016, 375, 2435-2445.	27.0	205
51	Novel serologic biomarkers provide accurate estimates of recent <i>Plasmodium falciparum</i> exposure for individuals and communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4438-47.	7.1	188
52	Spread of yellow fever virus outbreak in Angola and the Democratic Republic of the Congo 2015–16: a modelling study. <i>Lancet Infectious Diseases, The</i> , 2017, 17, 330-338.	9.1	185
53	Global mapping of infectious disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120250.	4.0	179
54	Mapping child growth failure in Africa between 2000 and 2015. <i>Nature</i> , 2018, 555, 41-47.	27.8	177

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55	Risk Factors for Imipenem-Resistant <i>Pseudomonas aeruginosa</i> among Hospitalized Patients. <i>Clinical Infectious Diseases</i> , 2002, 34, 340-345.	5.8	169
56	Persistent colonization and the spread of antibiotic resistance in nosocomial pathogens: Resistance is a regional problem. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3709-3714.	7.1	169
57	Standardizing estimates of the <i>Plasmodium falciparum</i> parasite rate. <i>Malaria Journal</i> , 2007, 6, 131.	2.3	167
58	Host and viral ecology determine bat rabies seasonality and maintenance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10208-10213.	7.1	163
59	Modelling the global constraints of temperature on transmission of <i>Plasmodium falciparum</i> and <i>P. vivax</i> . <i>Parasites and Vectors</i> , 2011, 4, 92.	2.5	162
60	Mapping 123 million neonatal, infant and child deaths between 2000 and 2017. <i>Nature</i> , 2019, 574, 353-358.	27.8	161
61	Malaria Transmission, Infection, and Disease at Three Sites with Varied Transmission Intensity in Uganda: Implications for Malaria Control. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015, 92, 903-912.	1.4	157
62	Indirect effects of the COVID-19 pandemic on malaria intervention coverage, morbidity, and mortality in Africa: a geospatial modelling analysis. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 59-69.	9.1	152
63	Measuring Changes in <i>Plasmodium falciparum</i> Transmission. <i>Advances in Parasitology</i> , 2014, 84, 151-208.	3.2	151
64	Vectorial capacity and vector control: reconsidering sensitivity to parameters for malaria elimination. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2016, 110, 107-117.	1.8	149
65	The geography of imported malaria to non-endemic countries: a meta-analysis of nationally reported statistics. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 98-107.	9.1	149
66	Estimating the annual entomological inoculation rate for <i>Plasmodium falciparum</i> transmitted by <i>Anopheles gambiae</i> s.l. using three sampling methods in three sites in Uganda. <i>Malaria Journal</i> , 2014, 13, 111.	2.3	147
67	International population movements and regional <i>Plasmodium falciparum</i> malaria elimination strategies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12222-12227.	7.1	145
68	The many projected futures of dengue. <i>Nature Reviews Microbiology</i> , 2015, 13, 230-239.	28.6	145
69	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
70	The use of mobile phone data for the estimation of the travel patterns and imported <i>Plasmodium falciparum</i> rates among Zanzibar residents. <i>Malaria Journal</i> , 2009, 8, 287.	2.3	137
71	Travel risk, malaria importation and malaria transmission in Zanzibar. <i>Scientific Reports</i> , 2011, 1, 93.	3.3	135
72	Integrating rapid risk mapping and mobile phone call record data for strategic malaria elimination planning. <i>Malaria Journal</i> , 2014, 13, 52.	2.3	133

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73	Coverage and system efficiencies of insecticide-treated nets in Africa from 2000 to 2017. <i>ELife</i> , 2015, 4, .	6.0	131
74	The Changing Epidemiology of Methicillin-Resistant <i>Staphylococcus aureus</i> in the United States: A National Observational Study. <i>American Journal of Epidemiology</i> , 2013, 177, 666-674.	3.4	128
75	Human movement data for malaria control and elimination strategic planning. <i>Malaria Journal</i> , 2012, 11, 205.	2.3	124
76	Heterogeneity, Mixing, and the Spatial Scales of Mosquito-Borne Pathogen Transmission. <i>PLoS Computational Biology</i> , 2013, 9, e1003327.	3.2	124
77	Benefits of using multiple first-line therapies against malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14216-14221.	7.1	122
78	Ranking of elimination feasibility between malaria-endemic countries. <i>Lancet, The</i> , 2010, 376, 1579-1591.	13.7	119
79	Identifying Malaria Transmission Foci for Elimination Using Human Mobility Data. <i>PLoS Computational Biology</i> , 2016, 12, e1004846.	3.2	118
80	From The Cover: Strategic interactions in multi-institutional epidemics of antibiotic resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3153-3158.	7.1	117
81	A global assembly of adult female mosquito mark-release-recapture data to inform the control of mosquito-borne pathogens. <i>Parasites and Vectors</i> , 2014, 7, 276.	2.5	116
82	A micro-epidemiological analysis of febrile malaria in Coastal Kenya showing hotspots within hotspots. <i>ELife</i> , 2014, 3, e02130.	6.0	115
83	Geographical distributions of African malaria vector sibling species and evidence for insecticide resistance. <i>Malaria Journal</i> , 2017, 16, 85.	2.3	112
84	Measures of Malaria Burden after Long-Lasting Insecticidal Net Distribution and Indoor Residual Spraying at Three Sites in Uganda: A Prospective Observational Study. <i>PLoS Medicine</i> , 2016, 13, e1002167.	8.4	111
85	How absolute is zero? An evaluation of historical and current definitions of malaria elimination. <i>Malaria Journal</i> , 2010, 9, 213.	2.3	107
86	Epidemiological patterns at multiple spatial scales: an 11-year study of a <i>Triphragmium ulmariae</i> - <i>Filipendula ulmaria</i> metapopulation. <i>Journal of Ecology</i> , 2003, 91, 890-903.	4.0	106
87	The unexpected importance of mosquito oviposition behaviour for malaria: non-productive larval habitats can be sources for malaria transmission. <i>Malaria Journal</i> , 2005, 4, 23.	2.3	106
88	Variation in Childhood Diarrheal Morbidity and Mortality in Africa, 2000â€“2015. <i>New England Journal of Medicine</i> , 2018, 379, 1128-1138.	27.0	106
89	Quantifying risks and interventions that have affected the burden of diarrhoea among children younger than 5 years: an analysis of the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases, The</i> , 2020, 20, 37-59.	9.1	104
90	<i>Plasmodium vivax</i> Transmission in Africa. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0004222.	3.0	102

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91	Role of mass drug administration in elimination of Plasmodium falciparum malaria: a consensus modelling study. <i>The Lancet Global Health</i> , 2017, 5, e680-e687.	6.3	102
92	An elaborated feeding cycle model for reductions in vectorial capacity of night-biting mosquitoes by insecticide-treated nets. <i>Malaria Journal</i> , 2007, 6, 10.	2.3	101
93	Quantification of anti-parasite and anti-disease immunity to malaria as a function of age and exposure. <i>ELife</i> , 2018, 7, .	6.0	100
94	Integrating vector control across diseases. <i>BMC Medicine</i> , 2015, 13, 249.	5.5	98
95	Quantifying risks and interventions that have affected the burden of lower respiratory infections among children younger than 5 years: an analysis for the Global Burden of Disease Study 2017. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 60-79.	9.1	95
96	Projected Benefits of Active Surveillance for Vancomycin-Resistant Enterococci in Intensive Care Units. <i>Clinical Infectious Diseases</i> , 2004, 38, 1108-1115.	5.8	94
97	Dynamics of Polymorphism in a Malaria Vaccine Antigen at a Vaccine-Testing Site in Mali. <i>PLoS Medicine</i> , 2007, 4, e93.	8.4	94
98	Urbanization and the global malaria recession. <i>Malaria Journal</i> , 2013, 12, 133.	2.3	94
99	A quantitative analysis of transmission efficiency versus intensity for malaria. <i>Nature Communications</i> , 2010, 1, 108.	12.8	91
100	Community-associated Methicillin-Resistant <i>Staphylococcus aureus</i> in Outpatients, United States, 1999-2006. <i>Emerging Infectious Diseases</i> , 2009, 15, 1925-30.	4.3	90
101	A Research Agenda for Malaria Eradication: Modeling. <i>PLoS Medicine</i> , 2011, 8, e1000403.	8.4	89
102	Utilizing general human movement models to predict the spread of emerging infectious diseases in resource poor settings. <i>Scientific Reports</i> , 2019, 9, 5151.	3.3	89
103	Improved prediction accuracy for disease risk mapping using Gaussian process stacked generalization. <i>Journal of the Royal Society Interface</i> , 2017, 14, 20170520.	3.4	86
104	Progress and Challenges in Infectious Disease Cartography. <i>Trends in Parasitology</i> , 2016, 32, 19-29.	3.3	85
105	Microbial Diversity of Biofilms in Dental Unit Water Systems. <i>Applied and Environmental Microbiology</i> , 2003, 69, 3412-3420.	3.1	84
106	Using parasite genetic and human mobility data to infer local and cross-border malaria connectivity in Southern Africa. <i>ELife</i> , 2019, 8, .	6.0	83
107	Predicting changing malaria risk after expanded insecticide-treated net coverage in Africa. <i>Trends in Parasitology</i> , 2009, 25, 511-516.	3.3	82
108	Mapping global variation in human mobility. <i>Nature Human Behaviour</i> , 2020, 4, 800-810.	12.0	82

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109	Predictive Spatial Dynamics and Strategic Planning for Raccoon Rabies Emergence in Ohio. <i>PLoS Biology</i> , 2005, 3, e88.	5.6	81
110	Identifying Groups at High Risk for Carriage of Antibiotic-Resistant Bacteria. <i>Archives of Internal Medicine</i> , 2006, 166, 580.	3.8	80
111	A sticky situation: the unexpected stability of malaria elimination. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013, 368, 20120145.	4.0	80
112	The path of least resistance: aggressive or moderate treatment?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140566.	2.6	79
113	Agricultural Antibiotics and Human Health. <i>PLoS Medicine</i> , 2005, 2, e232.	8.4	77
114	Economic and physical determinants of the global distributions of crop pests and pathogens. <i>New Phytologist</i> , 2014, 202, 901-910.	7.3	76
115	Molecular Epidemiology of O139 <i>Vibrio cholerae</i> : Mutation, Lateral Gene Transfer, and Founder Flush. <i>Emerging Infectious Diseases</i> , 2003, 9, 810-814.	4.3	74
116	GEOGRAPHICAL DISTRIBUTION AND RISK FACTORS ASSOCIATED WITH ENTERIC DISEASES IN VIETNAM. <i>American Journal of Tropical Medicine and Hygiene</i> , 2007, 76, 706-712.	1.4	74
117	Wind direction and proximity to larval sites determines malaria risk in Kilifi District in Kenya. <i>Nature Communications</i> , 2012, 3, 674.	12.8	73
118	Co-Carriage Rates of Vancomycin-Resistant <i>Enterococcus</i> and Extended-Spectrum Beta-Lactamase-Producing Bacteria Among a Cohort of Intensive Care Unit Patients: Implications for an Active Surveillance Program. <i>Infection Control and Hospital Epidemiology</i> , 2004, 25, 105-108.	1.8	71
119	Economic incentives and mathematical models of disease. <i>Environment and Development Economics</i> , 2007, 12, 707-732.	1.5	71
120	Quantifying the Epidemiological Impact of Vector Control on Dengue. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004588.	3.0	70
121	The Use of Census Migration Data to Approximate Human Movement Patterns across Temporal Scales. <i>PLoS ONE</i> , 2013, 8, e52971.	2.5	69
122	Dengue disease outbreak definitions are implicitly variable. <i>Epidemics</i> , 2015, 11, 92-102.	3.0	68
123	Defining the relationship between infection prevalence and clinical incidence of <i>Plasmodium falciparum</i> malaria. <i>Nature Communications</i> , 2015, 6, 8170.	12.8	67
124	Assessing risks for a pre-emergent pathogen: virginiamycin use and the emergence of streptogramin resistance in <i>Enterococcus faecium</i> . <i>Lancet Infectious Diseases</i> , The, 2003, 3, 241-249.	9.1	66
125	Potential Impact of Intermittent Preventive Treatment (IPT) on Spread of Drug-Resistant Malaria. <i>PLoS Medicine</i> , 2006, 3, e141.	8.4	66
126	A priori prediction of disease invasion dynamics in a novel environment. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 21-25.	2.6	65



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127	Assessing the role of long-distance translocation and spatial heterogeneity in the raccoon rabies epidemic in Connecticut. <i>Preventive Veterinary Medicine</i> , 2005, 71, 225-240.	1.9	65
128	Air temperature suitability for <i>Plasmodium falciparum</i> malaria transmission in Africa 2000-2012: a high-resolution spatiotemporal prediction. <i>Malaria Journal</i> , 2014, 13, 171.	2.3	65
129	Malaria burden and control in Bangladesh and prospects for elimination: an epidemiological and economic assessment. <i>The Lancet Global Health</i> , 2014, 2, e98-e105.	6.3	64
130	Clinically immune hosts as a refuge for drug-sensitive malaria parasites. <i>Malaria Journal</i> , 2008, 7, 67.	2.3	63
131	Big city, small world: density, contact rates, and transmission of dengue across Pakistan. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150468.	3.4	63
132	Ecological theory to enhance infectious disease control and public health policy. <i>Frontiers in Ecology and the Environment</i> , 2005, 3, 29-37.	4.0	62
133	Preventing the Reintroduction of Malaria in Mauritius: A Programmatic and Financial Assessment. <i>PLoS ONE</i> , 2011, 6, e23832.	2.5	62
134	Monte Carlo assessments of goodness-of-fit for ecological simulation models. <i>Ecological Modelling</i> , 2003, 164, 49-63.	2.5	60
135	Cholera in Haiti: Reproductive numbers and vaccination coverage estimates. <i>Scientific Reports</i> , 2013, 3, 997.	3.3	60
136	“One-Size-Fits-All”? Optimizing Treatment Duration for Bacterial Infections. <i>PLoS ONE</i> , 2012, 7, e29838.	2.5	59
137	Malaria's Missing Number: Calculating the Human Component of $R_0$ by a Within-Host Mechanistic Model of <i>Plasmodium falciparum</i> Infection and Transmission. <i>PLoS Computational Biology</i> , 2013, 9, e1003025.	3.2	59
138	Seasonality of <i>Plasmodium falciparum</i> transmission: a systematic review. <i>Malaria Journal</i> , 2015, 14, 343.	2.3	59
139	Mapping exclusive breastfeeding in Africa between 2000 and 2017. <i>Nature Medicine</i> , 2019, 25, 1205-1212.	30.7	59
140	Key strategies for reducing spread of avian influenza among commercial poultry holdings: lessons for transmission to humans. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2467-2475.	2.6	58
141	Endemicity response timelines for <i>Plasmodium falciparum</i> elimination. <i>Malaria Journal</i> , 2009, 8, 87.	2.3	57
142	The demographics of human and malaria movement and migration patterns in East Africa. <i>Malaria Journal</i> , 2013, 12, 397.	2.3	57
143	Mapping residual transmission for malaria elimination. <i>eLife</i> , 2015, 4, .	6.0	55
144	Conservation Implications of Host Use for Rare Parasitic Plants. <i>Implicaciones del Uso de Hospederos en la Conservacion de Plantas Parasiticas Raras</i> . <i>Conservation Biology</i> , 1997, 11, 839-848.	4.7	54

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145	Spatial Control of Rabies on Heterogeneous Landscapes. <i>PLoS ONE</i> , 2006, 1, e27.	2.5	53
146	Improving pandemic influenza risk assessment. <i>ELife</i> , 2014, 3, e03883.	6.0	53
147	Theory and data for simulating fine-scale human movement in an urban environment. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140642.	3.4	53
148	Impact of vector control interventions on malaria transmission intensity, outdoor vector biting rates and <i>Anopheles</i> mosquito species composition in Tororo, Uganda. <i>Malaria Journal</i> , 2019, 18, 445.	2.3	53
149	Membrane topology of a P-type ATPase. The MgtB magnesium transport protein of <i>Salmonella typhimurium</i> . <i>Journal of Biological Chemistry</i> , 1993, 268, 22469-79.	3.4	50
150	The changing burden of malaria and association with vector control interventions in Zambia using district-level surveillance data, 2006–2011. <i>Malaria Journal</i> , 2013, 12, 437.	2.3	47
151	Spatial Heterogeneity, Host Movement and Mosquito-Borne Disease Transmission. <i>PLoS ONE</i> , 2015, 10, e0127552.	2.5	47
152	Pareto rules for malaria super-spreaders and super-spreading. <i>Nature Communications</i> , 2019, 10, 3939.	12.8	47
153	Optimally timing primaquine treatment to reduce <i>Plasmodium falciparum</i> transmission in low endemicity Thai-Myanmar border populations. <i>Malaria Journal</i> , 2009, 8, 159.	2.3	45
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