Lisa J White

List of Publications by Year in descending order

126 papers	5,432 citations	87888 38 h-index	95266 68 g-index
139 all docs	139 docs citations	139 times ranked	6744 citing authors

#	Article	IF	Citations
1	Artemisinin resistance: current status and scenarios for containment. Nature Reviews Microbiology, 2010, 8, 272-280.	28.6	519
2	The last man standing is the most resistant: eliminating artemisinin-resistant malaria in Cambodia. Malaria Journal, 2009, 8, 31.	2.3	160
3	Intrahost modeling of artemisinin resistance in Plasmodium falciparum. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 397-402.	7.1	154
4	Guidelines for Field Surveys of the Quality of Medicines: A Proposal. PLoS Medicine, 2009, 6, e1000052.	8.4	152
5	Hyperparasitaemia and low dosing are an important source of anti-malarial drug resistance. Malaria Journal, 2009, 8, 253.	2.3	151
6	Infection, reinfection, and vaccination under suboptimal immune protection: epidemiological perspectives. Journal of Theoretical Biology, 2004, 228, 539-549.	1.7	141
7	Respiratory Syncytial Virus Infection and Disease in Infants and Young Children Observed from Birth in Kilifi District, Kenya. Clinical Infectious Diseases, 2008, 46, 50-57.	5.8	140
8	Defining the True Sensitivity of Culture for the Diagnosis of Melioidosis Using Bayesian Latent Class Models. PLoS ONE, 2010, 5, e12485.	2.5	136
9	Effect of generalised access to early diagnosis and treatment and targeted mass drug administration on Plasmodium falciparum malaria in Eastern Myanmar: an observational study of a regional elimination programme. Lancet, The, 2018, 391, 1916-1926.	13.7	131
10	Diagnosing Severe Falciparum Malaria in Parasitaemic African Children: A Prospective Evaluation of Plasma PfHRP2 Measurement. PLoS Medicine, 2012, 9, e1001297.	8.4	123
11	Assessing the impact of next-generation rapid diagnostic tests on Plasmodium falciparum malaria elimination strategies. Nature, 2015, 528, S94-S101.	27.8	115
12	The transmission dynamics of groups A and B human respiratory syncytial virus (hRSV) in England & Wales and Finland: seasonality and cross-protection. Epidemiology and Infection, 2005, 133, 279-289.	2.1	109
13	Impact of malaria during pregnancy on pregnancy outcomes in a Ugandan prospectivecohort with intensive malaria screening and prompt treatment. Malaria Journal, 2013, 12, 139.	2.3	106
14	The impact of targeted malaria elimination with mass drug administrations on falciparum malaria in Southeast Asia: A cluster randomised trial. PLoS Medicine, 2019, 16, e1002745.	8.4	105
15	Artemisinin resistance â€“ modelling the potential human and economic costs. Malaria Journal, 2014, 13, 452.	2.3	102
16	Role of mass drug administration in elimination of Plasmodium falciparum malaria: a consensus modelling study. The Lancet Global Health, 2017, 5, e680-e687.	6.3	102
17	Melioidosis Vaccines: A Systematic Review and Appraisal of the Potential to Exploit Biodefense Vaccines for Public Health Purposes. PLoS Neglected Tropical Diseases, 2012, 6, e1488.	3.0	94
18	Modeling the Dynamics of Plasmodium vivax Infection and Hypnozoite Reactivation In Vivo. PLoS Neglected Tropical Diseases, 2015, 9, e0003595.	3.0	87

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19	Respiratory Syncytial Virus Epidemiology in a Birth Cohort from Kilifi District, Kenya: Infection during the First Year of Life. Journal of Infectious Diseases, 2004, 190, 1828-1832.	4.0	79
20	Optimising Strategies for Plasmodium falciparum Malaria Elimination in Cambodia: Primaquine, Mass Drug Administration and Artemisinin Resistance. PLoS ONE, 2012, 7, e37166.	2.5	79
21	Defining Falciparum-Malaria-Attributable Severe Febrile Illness in Moderate-to-High Transmission Settings on the Basis of Plasma PfHRP2 Concentration. Journal of Infectious Diseases, 2013, 207, 351-361.	4.0	76
22	Spatial and temporal epidemiology of clinical malaria in Cambodia 2004â€“2013. Malaria Journal, 2014, 13, 385.	2.3	74
23	Understanding the transmission dynamics of respiratory syncytial virus using multiple time series and nested models. Mathematical Biosciences, 2007, 209, 222-239.	1.9	73
24	The role of simple mathematical models in malaria elimination strategy design. Malaria Journal, 2009, 8, 212.	2.3	72
25	Prospects for Malaria Eradication in Sub-Saharan Africa. PLoS ONE, 2008, 3, e1767.	2.5	72
26	A dynamic model of pneumococcal infection in the United States: Implications for prevention through vaccination. Vaccine, 2010, 28, 3650-3660.	3.8	68
27	The reinfection threshold. Journal of Theoretical Biology, 2005, 236, 111-113.	1.7	65
28	Predicting the severity of dengue fever in children on admission based on clinical features and laboratory indicators: application of classification tree analysis. BMC Pediatrics, 2018, 18, 109.	1.7	65
29	Artemisinin antimalarials: preserving the â€œmagic bulletâ€• Drug Development Research, 2010, 71, 12-19.	2.9	60
30	Estimation of gestational age from fundal height: a solution for resource-poor settings. Journal of the Royal Society Interface, 2012, 9, 503-510.	3.4	59
31	Understanding and Managing Zoonotic Risk in the New Livestock Industries. Environmental Health Perspectives, 2013, 121, 873-877.	6.0	58
32	Estimating the clinical impact of introducing paediatric influenza vaccination in England and Wales. Vaccine, 2012, 30, 1208-1224.	3.8	52
33	Modelling the COVID-19 pandemic in context: an international participatory approach. BMJ Global Health, 2020, 5, e003126.	4.7	47
34	Duration of shedding of respiratory syncytial virus in a community study of Kenyan children. BMC Infectious Diseases, 2010, 10, 15.	2.9	46
35	Evaluating Clinical Trial Designs for Investigational Treatments of Ebola Virus Disease. PLoS Medicine, 2015, 12, e1001815.	8.4	45
36	Modelling the Impact and Cost-Effectiveness of Biomarker Tests as Compared with Pathogen-Specific Diagnostics in the Management of Undifferentiated Fever in Remote Tropical Settings. PLoS ONE, 2016, 11, e0152420.	2.5	45

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37	Using a Web-Based Application to Define the Accuracy of Diagnostic Tests When the Gold Standard Is Imperfect. PLoS ONE, 2013, 8, e79489.	2.5	45
38	The structural identifiability of the susceptible infected recovered model with seasonal forcing. Mathematical Biosciences, 2005, 194, 175-197.	1.9	44
39	ORIGINAL ARTICLE: Probability of emergence of antimalarial resistance in different stages of the parasite life cycle. Evolutionary Applications, 2009, 2, 52-61.	3.1	40
40	Potential health and economic impacts of dexamethasone treatment for patients with COVID-19. Nature Communications, 2021, 12, 915.	12.8	40
41	Treatment of Hepatitis C as Prevention: A Modeling Case Study in Vietnam. PLoS ONE, 2012, 7, e34548.	2.5	39
42	Estimating the True Accuracy of Diagnostic Tests for Dengue Infection Using Bayesian Latent Class Models. PLoS ONE, 2013, 8, e50765.	2.5	39
43	Preterm or Not â€“ An Evaluation of Estimates of Gestational Age in a Cohort of Women from Rural Papua New Guinea. PLoS ONE, 2015, 10, e0124286.	2.5	37
44	Defining the In Vivo Phenotype of Artemisinin-Resistant Falciparum Malaria: A Modelling Approach. PLoS Medicine, 2015, 12, e1001823.	8.4	36
45	Estimating Gestational Age in Late Presenters to Antenatal Care in a Resource-Limited Setting on the Thai-Myanmar Border. PLoS ONE, 2015, 10, e0131025.	2.5	36
46	A mathematical model demonstrating indirect and overall effects of lactation therapy targeting subclinical mastitis in dairy herds. Preventive Veterinary Medicine, 2009, 90, 31-42.	1.9	35
47	Evaluation of the Diagnostic Accuracy of a Typhoid IgM Flow Assay for the Diagnosis of Typhoid Fever in Cambodian Children Using a Bayesian Latent Class Model Assuming an Imperfect Gold Standard. American Journal of Tropical Medicine and Hygiene, 2014, 90, 114-120.	1.4	34
48	Spatio-temporal patterns of leptospirosis in Thailand: is flooding a risk factor?. Epidemiology and Infection, 2015, 143, 2106-2115.	2.1	34
49	The diminishing returns of atovaquone-proguanil for elimination of Plasmodium falciparum malaria: modelling mass drug administration and treatment. Malaria Journal, 2014, 13, 380.	2.3	33
50	Hitting a Moving Target: A Model for Malaria Elimination in the Presence of Population Movement. PLoS ONE, 2015, 10, e0144990.	2.5	33
51	Limitations of malaria reactive case detection in an area of low and unstable transmission on the Myanmarâ€“Thailand border. Malaria Journal, 2016, 15, 571.	2.3	33
52	Influencing public health policy with data-informed mathematical models of infectious diseases: Recent developments and new challenges. Epidemics, 2020, 32, 100393.	3.0	31
53	Predicting the relative impacts of maternal and neonatal respiratory syncytial virus (RSV) vaccine target product profiles: A consensus modelling approach. Vaccine, 2017, 35, 403-409.	3.8	28
54	Human population movement and behavioural patterns in malaria hotspots on the Thaiâ€“Myanmar border: implications for malaria elimination. Malaria Journal, 2019, 18, 64.	2.3	27

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55	Determinants of MDA impact and designing MDAs towards malaria elimination. ELife, 2020, 9, .	6.0	26
56	Towards malaria elimination in Mpumalanga, South Africa: a population-level mathematical modelling approach. Malaria Journal, 2014, 13, 297.	2.3	24
57	Dynamic Transmission Economic Evaluation of Infectious Disease Interventions in Lowâ€•and Middleâ€Income Countries: A Systematic Literature Review. Health Economics (United Kingdom), 2016, 25, 124-139.	1.7	24
58	Modelling the dynamics of intramammaryE. coliinfections in dairy cows: understanding mechanisms that distinguish transient from persistent infections. Veterinary Research, 2010, 41, 13.	3.0	23
59	The structural identifiability and parameter estimation of a multispecies model for the transmission of mastitis in dairy cows. Mathematical Biosciences, 2001, 174, 77-90.	1.9	21
60	Levels of SARS-CoV-2 population exposure are considerably higher than suggested by seroprevalence surveys. PLoS Computational Biology, 2021, 17, e1009436.	3.2	21
61	A multispecies model for the transmission and control of mastitis in dairy cows. Epidemiology and Infection, 2001, 127, 567-576.	2.1	20
62	Rotavirus within day care centres in Oxfordshire, UK: characterization of partial immunity. Journal of the Royal Society Interface, 2008, 5, 1481-1490.	3.4	19
63	Temporal trends in severe malaria in Chittagong, Bangladesh. Malaria Journal, 2012, 11, 323.	2.3	19
64	Modeling drug-resistant tuberculosis amplification rates and intervention strategies in Bangladesh. PLoS ONE, 2020, 15, e0236112.	2.5	19
65	Mathematical analysis of a two-strain disease model with amplification. Chaos, Solitons and Fractals, 2021, 143, 110594.	5.1	19
66	Microparasite population dynamics and continuous immunity. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1977-1983.	2.6	18
67	The transmission and control of mastitis in dairy cows: A theoretical approach. Preventive Veterinary Medicine, 2006, 74, 67-83.	1.9	18
68	Predicting the impact of border control on malaria transmission: a simulated focal screen and treat campaign. Malaria Journal, 2015, 14, 268.	2.3	18
69	Towards malaria elimination in Savannakhet, Lao PDR: mathematical modelling driven strategy design. Malaria Journal, 2017, 16, 483.	2.3	18
70	Structural identifiability analysis of some highly structured families of statespace models using differential algebra. Journal of Mathematical Biology, 2004, 49, 433-454.	1.9	17
71	Accounting for aetiology: can regional surveillance data alongside host biomarker-guided antibiotic therapy improve treatment of febrile illness in remote settings?. Wellcome Open Research, 2019, 4, 1.	1.8	17
72	Defining Disease Heterogeneity to Guide the Empirical Treatment of Febrile Illness in Resource Poor Settings. PLoS ONE, 2012, 7, e44545.	2.5	16

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73	Cost effectiveness and resource allocation of Plasmodium falciparum malaria control in Myanmar: a modelling analysis of bed nets and community health workers. Malaria Journal, 2015, 14, 376.	2.3	15
74	Spatial Heterogeneity and Temporal Trends in Malaria on the Thaiâ€“Myanmar Border (2012â€“2017): A Retrospective Observational Study. Tropical Medicine and Infectious Disease, 2019, 4, 62.	2.3	15
75	A participatory modelling approach for investigating the spread of COVID-19 in countries of the Eastern Mediterranean Region to support public health decision-making. BMJ Global Health, 2021, 6, e005207.	4.7	15
76	The Impact of IPTi and IPTc Interventions on Malaria Clinical Burden â€“ In Silico Perspectives. PLoS ONE, 2009, 4, e6627.	2.5	14
77	The role of mathematical modelling in guiding the science and economics of malaria elimination. International Health, 2010, 2, 239-246.	2.0	14
78	Malaria community health workers in Myanmar: a cost analysis. Malaria Journal, 2016, 15, 41.	2.3	14
79	Reactive and pre-emptive vaccination strategies to control hepatitis E infection in emergency and refugee settings: A modelling study. PLoS Neglected Tropical Diseases, 2018, 12, e0006807.	3.0	14
80	Malaria elimination transmission and costing in the Asia-Pacific: Developing an investment case. Wellcome Open Research, 0, 4, 60.	1.8	14
81	Potential herd protection against Plasmodium falciparum infections conferred by mass antimalarial drug administrations. ELife, 2019, 8, .	6.0	14
82	Vaccinating the world against COVID-19: getting the delivery right is the greatest challenge. BMJ Global Health, 2021, 6, e005273.	4.7	13
83	Non-pharmaceutical interventions and COVID-19 vaccination strategies in Senegal: a modelling study. BMJ Global Health, 2022, 7, e007236.	4.7	13
84	Malaria elimination transmission and costing in the Asia-Pacific: a multi-species dynamic transmission model. Wellcome Open Research, 0, 4, 62.	1.8	12
85	Ethics, Economics, and the Use of Primaquine to Reduce Falciparum Malaria Transmission in Asymptomatic Populations. PLoS Medicine, 2014, 11, e1001704.	8.4	11
86	Algorithm in the Diagnosis of Febrile Illness Using Pathogen-specific Rapid Diagnostic Tests. Clinical Infectious Diseases, 2020, 70, 2262-2269.	5.8	11
87	Malaria elimination transmission and costing in the Asia-Pacific: Developing an investment case. Wellcome Open Research, 2019, 4, 60.	1.8	11
88	Accounting for aetiology: can regional surveillance data alongside host biomarker-guided antibiotic therapy improve treatment of febrile illness in remote settings?. Wellcome Open Research, 2019, 4, 1.	1.8	11
89	Seasonality of Respiratory Syncytial Virus Infection. Clinical Infectious Diseases, 2006, 43, 541-541.	5.8	10
90	Estimating the Impact of Expanding Treatment Coverage and Allocation Strategies for Chronic Hepatitis C in a Direct Antiviral Agent Era. PLoS ONE, 2016, 11, e0163095.	2.5	10

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91	The economic evaluation of human papillomavirus vaccination strategies against cervical cancer in women in Lao PDR: a mathematical modelling approach. BMC Health Services Research, 2016, 16, 418.	2.2	10
92	Geographic Resource Allocation Based on Cost Effectiveness: An Application to Malaria Policy. Applied Health Economics and Health Policy, 2017, 15, 299-306.	2.1	9
93	A Dynamic Stress Model Explains the Delayed Drug Effect in Artemisinin Treatment of Plasmodium falciparum. Antimicrobial Agents and Chemotherapy, 2017, 61, .	3.2	9
94	Infectivity of Chronic Malaria Infections and Its Consequences for Control and Elimination. Clinical Infectious Diseases, 2018, 67, 295-302.	5.8	9
95	Investment case for malaria elimination in South Africa: a financing model for resource mobilization to accelerate regional malaria elimination. Malaria Journal, 2021, 20, 344.	2.3	9
96	Mathematical analysis of a two-strain tuberculosis model in Bangladesh. Scientific Reports, 2022, 12, 3634.	3.3	9
97	Modelling malaria elimination on the internet. Malaria Journal, 2011, 10, 191.	2.3	8
98	A Population Dynamic Model to Assess the Diabetes Screening and Reporting Programs and Project the Burden of Undiagnosed Diabetes in Thailand. International Journal of Environmental Research and Public Health, 2019, 16, 2207.	2.6	8
99	Smartphones for community health in rural Cambodia: A feasibility study. Wellcome Open Research, 2018, 3, 69.	1.8	8
100	The role of mathematical modelling in malaria elimination and eradication (Comment on: Can malaria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	7
101	Modeling household dynamics on Respiratory Syncytial Virus (RSV). PLoS ONE, 2019, 14, e0219323.	2.5	7
102	An interactive application for malaria elimination transmission and costing in the Asia-Pacific. Wellcome Open Research, 2019, 4, 61.	1.8	7
103	Accuracy of Combined Visual Inspection with Acetic Acid and Cervical Cytology Testing as a Primary Screening Tool for Cervical Cancer: a Systematic Review and Meta-Analysis. Asian Pacific Journal of Cancer Prevention, 2015, 16, 5889-5897.	1.2	7
104	Malaria elimination transmission and costing in the Asia-Pacific: a multi-species dynamic transmission model. Wellcome Open Research, 0, 4, 62.	1.8	7
105	The structural identifiability and parameter estimation of a multispecies model for the transmission of mastitis in dairy cows with postmilking teat disinfection. Mathematical Biosciences, 2002, 180, 275-291.	1.9	6
106	Addressing challenges faced by insecticide spraying for the control of dengue fever in Bangkok, Thailand: a qualitative approach. International Health, 2018, 10, 349-355.	2.0	6
107	Modelling population dynamics and seasonal movement to assess and predict the burden of melioidosis. PLoS Neglected Tropical Diseases, 2019, 13, e0007380.	3.0	6
108	Equity for excellence in academic institutions: a manifesto for change. Wellcome Open Research, 2021, 6, 142.	1.8	6

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109	Impact of Non-pharmaceutical Interventions on the Control of COVID-19 in Iran: A Mathematical Modeling Study. International Journal of Health Policy and Management, 2021, , .	0.9	5
110	An interactive application for malaria elimination transmission and costing in the Asia-Pacific. Wellcome Open Research, 0, 4, 61.	1.8	5
111	Feasibility of malaria elimination. Lancet, The, 2011, 377, 638.	13.7	4
112	Economic considerations support C-reactive protein testing alongside malaria rapid diagnostic tests to guide antimicrobial therapy for patients with febrile illness in settings with low malaria endemicity. Malaria Journal, 2019, 18, 442.	2.3	4
113	Model evaluation of target product profiles of an infant vaccine against respiratory syncytial virus (RSV) in a developed country setting. Vaccine: X, 2020, 4, 100055.	2.1	4
114	Assessing the impacts of short-course multidrug-resistant tuberculosis treatment in the Southeast Asia Region using a mathematical modeling approach. PLoS ONE, 2021, 16, e0248846.	2.5	4
115	Identifying artemisinin resistance from parasite clearance half-life data with a simple Shiny web application. PLoS ONE, 2017, 12, e0177840.	2.5	4
116	Two-test algorithms for infectious disease diagnosis: Implications for COVID-19. PLOS Global Public Health, 2022, 2, e0000293.	1.6	4
117	Percolation across households in mechanistic models of non-pharmaceutical interventions in SARS-CoV-2 disease dynamics. Epidemics, 2022, 39, 100551.	3.0	4
118	Cost-effectiveness and budget impact analyses for the prioritisation of the four available rotavirus vaccines in the national immunisation programme in Thailand. Vaccine, 2021, 39, 1402-1414.	3.8	3
119	Estimating the programmatic cost of targeted mass drug administration for malaria in Myanmar. BMC Public Health, 2021, 21, 826.	2.9	3
120	Economic Evaluation of Screening Strategies Combined with HPV Vaccination of Preadolescent Girls for the Prevention of Cervical Cancer in Vientiane, Lao PDR. PLoS ONE, 2016, 11, e0162915.	2.5	3
121	Potential global impacts of alternative dosing regimen and rollout options for the ChAdOx1 nCoV-19 vaccine. Nature Communications, 2021, 12, 6370.	12.8	3
122	A frequentist approach to estimating the force of infection for a respiratory disease using repeated measurement data from a birth cohort. Statistical Methods in Medical Research, 2011, 20, 551-570.	1.5	2
123	The assembly effect: the connectedness between populations is a doubleâ€edged sword for public health interventions. Malaria Journal, 2021, 20, 189.	2.3	2
124	Model citizen â€“ Authors' reply. The Lancet Global Health, 2017, 5, e974.	6.3	1
125	Human movement patterns of farmers and forest workers from the Thailand-Myanmar border. Wellcome Open Research, 0, 6, 148.	1.8	0
126	Predicting the cost of malaria elimination in the Asia-Pacific. Wellcome Open Research, 2019, 4, 73.	1.8	0