

Azra C Ghani

List of Publications by Year in descending order

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231
papers

28,309
citations

9264

74
h-index

7160

153
g-index

251
all docs

251
docs citations

251
times ranked

30248
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimates of the severity of coronavirus disease 2019: a model-based analysis. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 669-677.	9.1	3,036
2	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020, 584, 257-261.	27.8	2,558
3	Pandemic Potential of a Strain of Influenza A (H1N1): Early Findings. <i>Science</i> , 2009, 324, 1557-1561.	12.6	1,665
4	Transmission Dynamics of the Etiological Agent of SARS in Hong Kong: Impact of Public Health Interventions. <i>Science</i> , 2003, 300, 1961-1966.	12.6	1,004
5	Comparative analysis of the risks of hospitalisation and death associated with SARS-CoV-2 omicron (B.1.1.529) and delta (B.1.617.2) variants in England: a cohort study. <i>Lancet</i> , The, 2022, 399, 1303-1312.	13.7	889
6	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. <i>Lancet</i> , The, 2003, 361, 1761-1766.	13.7	840
7	Global impact of the first year of COVID-19 vaccination: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2022, 22, 1293-1302.	9.1	789
8	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. <i>Science</i> , 2020, 369, 413-422.	12.6	718
9	Potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-income and middle-income countries: a modelling study. <i>The Lancet Global Health</i> , 2020, 8, e1132-e1141.	6.3	573
10	Factors determining the occurrence of submicroscopic malaria infections and their relevance for control. <i>Nature Communications</i> , 2012, 3, 1237.	12.8	490
11	Hitting Hotspots: Spatial Targeting of Malaria for Control and Elimination. <i>PLoS Medicine</i> , 2012, 9, e1001165.	8.4	460
12	Reducing <i>Plasmodium falciparum</i> Malaria Transmission in Africa: A Model-Based Evaluation of Intervention Strategies. <i>PLoS Medicine</i> , 2010, 7, e1000324.	8.4	451
13	Submicroscopic Infection in <i>Plasmodium falciparum</i> "Endemic Populations: A Systematic Review and Meta-Analysis. <i>Journal of Infectious Diseases</i> , 2009, 200, 1509-1517.	4.0	444
14	Household Transmission of 2009 Pandemic Influenza A (H1N1) Virus in the United States. <i>New England Journal of Medicine</i> , 2009, 361, 2619-2627.	27.0	420
15	Epidemiology, transmission dynamics and control of SARS: the 2002-2003 epidemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004, 359, 1091-1105.	4.0	412
16	Prevalence of lymphoreticular prion protein accumulation in UK tissue samples. <i>Journal of Pathology</i> , 2004, 203, 733-739.	4.5	393
17	The role of acute and early HIV infection in the spread of HIV and implications for transmission prevention strategies in Lilongwe, Malawi: a modelling study. <i>Lancet</i> , The, 2011, 378, 256-268.	13.7	305
18	The Epidemiology of Severe Acute Respiratory Syndrome in the 2003 Hong Kong Epidemic: An Analysis of All 1755 Patients. <i>Annals of Internal Medicine</i> , 2004, 141, 662.	3.9	293

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19	Immunogenicity of the RTS,S/AS01 malaria vaccine and implications for duration of vaccine efficacy: secondary analysis of data from a phase 3 randomised controlled trial. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 1450-1458.	9.1	262
20	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
21	Methods for Estimating the Case Fatality Ratio for a Novel, Emerging Infectious Disease. <i>American Journal of Epidemiology</i> , 2005, 162, 479-486.	3.4	224
22	Revisiting the circulation time of <i>Plasmodium falciparum</i> gametocytes: molecular detection methods to estimate the duration of gametocyte carriage and the effect of gametocytocidal drugs. <i>Malaria Journal</i> , 2010, 9, 136.	2.3	223
23	The Role of Sexual Partnership Networks in the Epidemiology of Gonorrhea. <i>Sexually Transmitted Diseases</i> , 1997, 24, 45-56.	1.7	212
24	Assessing the severity of the novel influenza A/H1N1 pandemic. <i>BMJ: British Medical Journal</i> , 2009, 339, b2840-b2840.	2.3	212
25	Costs and cost-effectiveness of malaria control interventions - a systematic review. <i>Malaria Journal</i> , 2011, 10, 337.	2.3	207
26	Dried blood spots as a source of anti-malarial antibodies for epidemiological studies. <i>Malaria Journal</i> , 2008, 7, 195.	2.3	192
27	Predicted vCJD mortality in Great Britain. <i>Nature</i> , 2000, 406, 583-584.	27.8	187
28	Modelling the impact of vector control interventions on <i>Anopheles gambiae</i> population dynamics. <i>Parasites and Vectors</i> , 2011, 4, 153.	2.5	177
29	Comparison of diagnostics for the detection of asymptomatic <i>Plasmodium falciparum</i> infections to inform control and elimination strategies. <i>Nature</i> , 2015, 528, S86-S93.	27.8	176
30	Managing and Reducing Uncertainty in an Emerging Influenza Pandemic. <i>New England Journal of Medicine</i> , 2009, 361, 112-115.	27.0	172
31	Estimates of the changing age-burden of <i>Plasmodium falciparum</i> malaria disease in sub-Saharan Africa. <i>Nature Communications</i> , 2014, 5, 3136.	12.8	169
32	The Relationship between RTS,S Vaccine-Induced Antibodies, CD4+ T Cell Responses and Protection against <i>Plasmodium falciparum</i> Infection. <i>PLoS ONE</i> , 2013, 8, e61395.	2.5	163
33	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Setting-specific Transmission Rates: A Systematic Review and Meta-analysis. <i>Clinical Infectious Diseases</i> , 2021, 73, e754-e764.	5.8	160
34	Determination of the Processes Driving the Acquisition of Immunity to Malaria Using a Mathematical Transmission Model. <i>PLoS Computational Biology</i> , 2007, 3, e255.	3.2	155
35	PUBLIC HEALTH: Enhanced: Public Health Risk from the Avian H5N1 Influenza Epidemic. <i>Science</i> , 2004, 304, 968-969.	12.6	154
36	Public health impact and cost-effectiveness of the RTS,S/AS01 malaria vaccine: a systematic comparison of predictions from four mathematical models. <i>Lancet</i> , The, 2016, 387, 367-375.	13.7	154

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37	CD4 Cell Counts of 800 Cells/mm ³ or Greater After 7 Years of Highly Active Antiretroviral Therapy Are Feasible in Most Patients Starting With 350 Cells/mm ³ or Greater. <i>Journal of Acquired Immune Deficiency Syndromes</i> (1999), 2007, 45, 183-192.	2.1	153
38	Rapid Assessment of Malaria Transmission Using Age-Specific Sero-Conversion Rates. <i>PLoS ONE</i> , 2009, 4, e6083.	2.5	151
39	Mortality and progression to AIDS after starting highly active antiretroviral therapy. <i>Aids</i> , 2003, 17, 2227-2236.	2.2	147
40	Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. <i>BMC Medicine</i> , 2020, 18, 329.	5.5	144
41	Malaria morbidity and mortality in Ebola-affected countries caused by decreased health-care capacity, and the potential effect of mitigation strategies: a modelling analysis. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 825-832.	9.1	141
42	Reduction of transmission from malaria patients by artemisinin combination therapies: a pooled analysis of six randomized trials. <i>Malaria Journal</i> , 2008, 7, 125.	2.3	139
43	Response to COVID-19 in South Korea and implications for lifting stringent interventions. <i>BMC Medicine</i> , 2020, 18, 321.	5.5	137
44	Estimating the potential public health impact of seasonal malaria chemoprevention in African children. <i>Nature Communications</i> , 2012, 3, 881.	12.8	135
45	The potential public health consequences of COVID-19 on malaria in Africa. <i>Nature Medicine</i> , 2020, 26, 1411-1416.	30.7	128
46	Accumulation of prion protein in tonsil and appendix: review of tissue samples. <i>BMJ: British Medical Journal</i> , 2002, 325, 633-634.	2.3	125
47	Dynamics of the Antibody Response to <i>Plasmodium falciparum</i> Infection in African Children. <i>Journal of Infectious Diseases</i> , 2014, 210, 1115-1122.	4.0	124
48	The Potential Contribution of Mass Treatment to the Control of <i>Plasmodium falciparum</i> Malaria. <i>PLoS ONE</i> , 2011, 6, e20179.	2.5	121
49	Non-pharmaceutical interventions, vaccination, and the SARS-CoV-2 delta variant in England: a mathematical modelling study. <i>Lancet</i> , The, 2021, 398, 1825-1835.	13.7	119
50	Male Circumcision for HIV Prevention in High HIV Prevalence Settings: What Can Mathematical Modelling Contribute to Informed Decision Making?. <i>PLoS Medicine</i> , 2009, 6, e1000109.	8.4	118
51	Modelling the Impact of Artemisinin Combination Therapy and Long-Acting Treatments on Malaria Transmission Intensity. <i>PLoS Medicine</i> , 2008, 5, e226.	8.4	118
52	Interventions for avian influenza A (H5N1) risk management in live bird market networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9177-9182.	7.1	115
53	Assessing the impact of next-generation rapid diagnostic tests on <i>Plasmodium falciparum</i> malaria elimination strategies. <i>Nature</i> , 2015, 528, S94-S101.	27.8	115
54	Retrospective study of prion-protein accumulation in tonsil and appendix tissues. <i>Lancet</i> , The, 2000, 355, 1693-1694.	13.7	111

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55	Estimating the most efficient allocation of interventions to achieve reductions in Plasmodium falciparum malaria burden and transmission in Africa: a modelling study. The Lancet Global Health, 2016, 4, e474-e484.	6.3	107
56	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	12.8	104
57	Potential for reduction of burden and local elimination of malaria by reducing Plasmodium falciparum malaria transmission: a mathematical modelling study. Lancet Infectious Diseases, The, 2016, 16, 465-472.	9.1	102
58	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
59	Estimated risk of placental infection and low birthweight attributable to Plasmodium falciparum malaria in Africa in 2010: a modelling study. The Lancet Global Health, 2014, 2, e460-e467.	6.3	101
60	<i>Pfhrp2</i> -deleted <i>Plasmodium falciparum</i> parasites in the Democratic Republic of Congo: A national cross-sectional survey. Journal of Infectious Diseases, 2017, 216, jiw538.	4.0	100
61	Epidemiological and genetic analysis of severe acute respiratory syndrome. Lancet Infectious Diseases, The, 2004, 4, 672-683.	9.1	93
62	Risks of Acquiring and Transmitting Sexually Transmitted Diseases in Sexual Partner Networks. Sexually Transmitted Diseases, 2000, 27, 579-587.	1.7	91
63	Estimating the human health risk from possible BSE infection of the British sheep flock. Nature, 2002, 415, 420-424.	27.8	91
64	Gradual acquisition of immunity to severe malaria with increasing exposure. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142657.	2.6	91
65	Implications of BSE infection screening data for the scale of the British BSE epidemic and current European infection levels. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2179-2190.	2.6	90
66	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. Science Translational Medicine, 2021, 13, .	12.4	89
67	Modelling the contribution of the hypnozoite reservoir to Plasmodium vivax transmission. ELife, 2014, 3, .	6.0	88
68	Efficacy of RTS,S malaria vaccines: individual-participant pooled analysis of phase 2 data. Lancet Infectious Diseases, The, 2013, 13, 319-327.	9.1	87
69	Loss of Population Levels of Immunity to Malaria as a Result of Exposure-Reducing Interventions: Consequences for Interpretation of Disease Trends. PLoS ONE, 2009, 4, e4383.	2.5	86
70	Poultry movement networks in Cambodia: Implications for surveillance and control of highly pathogenic avian influenza (HPAI/H5N1). Vaccine, 2009, 27, 6345-6352.	3.8	86
71	Contrasting benefits of different artemisinin combination therapies as first-line malaria treatments using model-based cost-effectiveness analysis. Nature Communications, 2014, 5, 5606.	12.8	85
72	Epidemiological determinants of the pattern and magnitude of the vCJD epidemic in Great Britain. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 2443-2452.	2.6	84

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73	Incidence of Creutzfeldt-Jakob disease in Switzerland. <i>Lancet, The</i> , 2002, 360, 139-141.	13.7	84
74	Sampling biases and missing data in explorations of sexual partner networks for the spread of sexually transmitted diseases. , 1998, 17, 2079-2097.		83
75	Seroprevalence of IgG antibodies to SARS-coronavirus in asymptomatic or subclinical population groups. <i>Epidemiology and Infection</i> , 2006, 134, 211-221.	2.1	83
76	The Potential Impact of Adding Ivermectin to a Mass Treatment Intervention to Reduce Malaria Transmission: A Modelling Study. <i>Journal of Infectious Diseases</i> , 2014, 210, 1972-1980.	4.0	83
77	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. <i>Wellcome Open Research</i> , 2020, 5, 81.	1.8	81
78	Modelling the drivers of the spread of <i>Plasmodium falciparum</i> hrp2 gene deletions in sub-Saharan Africa. <i>ELife</i> , 2017, 6, .	6.0	79
79	Drug-Resistance and Population Structure of <i>Plasmodium falciparum</i> Across the Democratic Republic of Congo Using High-Throughput Molecular Inversion Probes. <i>Journal of Infectious Diseases</i> , 2018, 218, 946-955.	4.0	78
80	Identification of individuals with gonorrhoea within sexual networks: a population-based study. <i>Lancet, The</i> , 2006, 368, 139-146.	13.7	77
81	Updated projections of future vCJD deaths in the UK. <i>BMC Infectious Diseases</i> , 2003, 3, 4.	2.9	76
82	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. <i>PLOS Currents</i> , 2009, 1, RRN1130.	1.4	76
83	Under-reporting of deaths limits our understanding of true burden of covid-19. <i>BMJ, The</i> , 2021, 375, n2239.	6.0	75
84	Evaluating the impact of pulse oximetry on childhood pneumonia mortality in resource-poor settings. <i>Nature</i> , 2015, 528, S53-S59.	27.8	74
85	A combined analysis of immunogenicity, antibody kinetics and vaccine efficacy from phase 2 trials of the RTS,S malaria vaccine. <i>BMC Medicine</i> , 2014, 12, 117.	5.5	73
86	SARS-CoV Antibody Prevalence in All Hong Kong Patient Contacts. <i>Emerging Infectious Diseases</i> , 2004, 10, 1653-1656.	4.3	72
87	Developing a realistic sexual network model of chlamydia transmission in Britain. <i>Theoretical Biology and Medical Modelling</i> , 2006, 3, 3.	2.1	72
88	Within-country age-based prioritisation, global allocation, and public health impact of a vaccine against SARS-CoV-2: A mathematical modelling analysis. <i>Vaccine</i> , 2021, 39, 2995-3006.	3.8	71
89	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet, The</i> , 2020, 395, e110-e111.	13.7	70
90	Projections of the future course of the primary vCJD epidemic in the UK: inclusion of subclinical infection and the possibility of wider genetic susceptibility. <i>Journal of the Royal Society Interface</i> , 2005, 2, 19-31.	3.4	69

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91	Identifying Live Bird Markets with the Potential to Act as Reservoirs of Avian Influenza A (H5N1) Virus: A Survey in Northern Viet Nam and Cambodia. PLoS ONE, 2012, 7, e37986.	2.5	66
92	Essential epidemiological mechanisms underpinning the transmission dynamics of seasonal influenza. Journal of the Royal Society Interface, 2012, 9, 304-312.	3.4	65
93	Control of a highly pathogenic H5N1 avian influenza outbreak in the GB poultry flock. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2287-2295.	2.6	64
94	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	1.8	62
95	Antigen-driven CD4+ T cell and HIV-1 dynamics: Residual viral replication under highly active antiretroviral therapy. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 15167-15172.	7.1	61
96	Factors determining the pattern of the variant Creutzfeldt-Jakob disease (vCJD) epidemic in the UK. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 689-698.	2.6	60
97	Impact of the implementation of rest days in live bird markets on the dynamics of H5N1 highly pathogenic avian influenza. Journal of the Royal Society Interface, 2011, 8, 1079-1089.	3.4	60
98	Mathematical modelling of the impact of expanding levels of malaria control interventions on Plasmodium vivax. Nature Communications, 2018, 9, 3300.	12.8	59
99	Uncertainty in the Tail of the Variant Creutzfeldt-Jakob Disease Epidemic in the UK. PLoS ONE, 2010, 5, e15626.	2.5	58
100	Overcoming health systems barriers to successful malaria treatment. Trends in Parasitology, 2013, 29, 164-180.	3.3	58
101	Variation in relapse frequency and the transmission potential of <i>Plasmodium vivax</i> malaria. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160048.	2.6	58
102	Gender difference in HIV-1 RNA viral loads. HIV Medicine, 2005, 6, 170-178.	2.2	57
103	The impact of antimalarial resistance on the genetic structure of Plasmodium falciparum in the DRC. Nature Communications, 2020, 11, 2107.	12.8	57
104	The Transmissibility of Highly Pathogenic Avian Influenza in Commercial Poultry in Industrialised Countries. PLoS ONE, 2007, 2, e349.	2.5	56
105	Mortality in Patients With Successful Initial Response to Highly Active Antiretroviral Therapy Is Still Higher Than in Non-HIV-Infected Individuals. Journal of Acquired Immune Deficiency Syndromes (1999), 2005, 40, 212-218.	2.1	55
106	Reduction of the HIV-1-infected T-cell reservoir by immune activation treatment is dose-dependent and restricted by the potency of antiretroviral drugs. Aids, 2000, 14, 659-669.	2.2	54
107	Ivermectin as a novel complementary malaria control tool to reduce incidence and prevalence: a modelling study. Lancet Infectious Diseases, The, 2020, 20, 498-508.	9.1	53
108	Mind the Gap: The Role of Time Between Sex With Two Consecutive Partners on the Transmission Dynamics of Gonorrhea. Sexually Transmitted Diseases, 2008, 35, 435-444.	1.7	52

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109	Heterogeneity in malaria exposure and vaccine response: implications for the interpretation of vaccine efficacy trials. <i>Malaria Journal</i> , 2010, 9, 82.	2.3	52
110	Global investment targets for malaria control and elimination between 2016 and 2030. <i>BMJ Global Health</i> , 2017, 2, e000176.	4.7	52
111	A prospective social and molecular investigation of gonococcal transmission. <i>Lancet, The</i> , 2000, 356, 1812-1817.	13.7	51
112	The impact of delayed treatment of uncomplicated <i>P. falciparum</i> malaria on progression to severe malaria: A systematic review and a pooled multicentre individual-patient meta-analysis. <i>PLoS Medicine</i> , 2020, 17, e1003359.	8.4	50
113	Estimating Air Temperature and Its Influence on Malaria Transmission across Africa. <i>PLoS ONE</i> , 2013, 8, e56487.	2.5	50
114	Comparison of the effectiveness of non-nucleoside reverse transcriptase inhibitor-containing and protease inhibitor-containing regimens using observational databases. <i>Aids</i> , 2001, 15, 1133-1142.	2.2	48
115	Assessing the potential impact of artemisinin and partner drug resistance in sub-Saharan Africa. <i>Malaria Journal</i> , 2016, 15, 10.	2.3	48
116	Geographical and demographic clustering of gonorrhoea in London. <i>Sexually Transmitted Infections</i> , 2007, 83, 481-487.	1.9	46
117	A model of parity-dependent immunity to placental malaria. <i>Nature Communications</i> , 2013, 4, 1609.	12.8	46
118	Transmission and Control of <i>Plasmodium knowlesi</i> : A Mathematical Modelling Study. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2978.	3.0	44
119	False-negative malaria rapid diagnostic test results and their impact on community-based malaria surveys in sub-Saharan Africa. <i>BMJ Global Health</i> , 2019, 4, e001582.	4.7	44
120	HIV, sexually transmitted infections, and risk behaviours in male sex workers in London over a 10 year period. <i>Sexually Transmitted Infections</i> , 2006, 82, 359-363.	1.9	43
121	Key traveller groups of relevance to spatial malaria transmission: a survey of movement patterns in four sub-Saharan African countries. <i>Malaria Journal</i> , 2016, 15, 200.	2.3	43
122	Mathematical models of human mobility of relevance to malaria transmission in Africa. <i>Scientific Reports</i> , 2018, 8, 7713.	3.3	43
123	Sexual Partner Networks in the Transmission of Sexually Transmitted Diseases. <i>Sexually Transmitted Diseases</i> , 1996, 23, 498-503.	1.7	40
124	Investigating ethnic inequalities in the incidence of sexually transmitted infections: mathematical modelling study. <i>Sexually Transmitted Infections</i> , 2004, 80, 379-385.	1.9	39
125	Non-parametric estimation of the case fatality ratio with competing risks data: an application to Severe Acute Respiratory Syndrome (SARS). <i>Statistics in Medicine</i> , 2007, 26, 1982-1998.	1.6	39
126	Modelling the cost-effectiveness of introducing the RTS,S malaria vaccine relative to scaling up other malaria interventions in sub-Saharan Africa. <i>BMJ Global Health</i> , 2017, 2, e000090.	4.7	39

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127	Assessment of the prevalence of vCJD through testing tonsils and appendices for abnormal prion protein. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2000, 267, 23-29.	2.6	37
128	Protective Efficacy of Intermittent Preventive Treatment of Malaria in Infants (IPTi) Using Sulfadoxine-Pyrimethamine and Parasite Resistance. <i>PLoS ONE</i> , 2010, 5, e12618.	2.5	37
129	Quantifying the mosquito's sweet tooth: modelling the effectiveness of attractive toxic sugar baits (ATSB) for malaria vector control. <i>Malaria Journal</i> , 2013, 12, 291.	2.3	37
130	Estimating malaria transmission intensity from <i>Plasmodium falciparum</i> serological data using antibody density models. <i>Malaria Journal</i> , 2016, 15, 79.	2.3	36
131	Modelling the impact of vaccine hesitancy in prolonging the need for Non-Pharmaceutical Interventions to control the COVID-19 pandemic. <i>Communications Medicine</i> , 2022, 2, .	4.2	36
132	Comparison of the risks of atherosclerotic events versus death from other causes associated with antiretroviral use. <i>Aids</i> , 2006, 20, 1941-1950.	2.2	35
133	<i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> infection dynamics: re-infections, recrudescences and relapses. <i>Malaria Journal</i> , 2018, 17, 170.	2.3	35
134	Leveraging community mortality indicators to infer COVID-19 mortality and transmission dynamics in Damascus, Syria. <i>Nature Communications</i> , 2021, 12, 2394.	12.8	35
135	Seasonality in malaria transmission: implications for case-management with long-acting artemisinin combination therapy in sub-Saharan Africa. <i>Malaria Journal</i> , 2015, 14, 321.	2.3	34
136	Patterns of antiretroviral use in the United States of America: analysis of three observational databases. <i>HIV Medicine</i> , 2003, 4, 24-32.	2.2	33
137	Patterns of Sex Worker's Client Contacts and Their Implications for the Persistence of Sexually Transmitted Infections. <i>Journal of Infectious Diseases</i> , 2005, 191, S34-S41.	4.0	33
138	Synergy in anti-malarial pre-erythrocytic and transmission-blocking antibodies is achieved by reducing parasite density. <i>ELife</i> , 2018, 7, .	6.0	32
139	Frequency and patterns of contact with domestic poultry and potential risk of H5N1 transmission to humans living in rural Cambodia. <i>Influenza and Other Respiratory Viruses</i> , 2008, 2, 155-163.	3.4	30
140	Outbreaks of H5N1 in poultry in Thailand: the relative role of poultry production types in sustaining transmission and the impact of active surveillance in control. <i>Journal of the Royal Society Interface</i> , 2012, 9, 1836-1845.	3.4	29
141	Global patterns of submicroscopic <i>Plasmodium falciparum</i> malaria infection: insights from a systematic review and meta-analysis of population surveys. <i>Lancet Microbe</i> , The, 2021, 2, e366-e374.	7.3	29
142	Can changes in malaria transmission intensity explain prolonged protection and contribute to high protective efficacy of intermittent preventive treatment for malaria in infants?. <i>Malaria Journal</i> , 2008, 7, 54.	2.3	28
143	Expanding the role of diagnostic and prognostic tools for infectious diseases in resource-poor settings. <i>Nature</i> , 2015, 528, S50-S52.	27.8	28
144	Estimating spatiotemporally varying malaria reproduction numbers in a near elimination setting. <i>Nature Communications</i> , 2018, 9, 2476.	12.8	28

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145	Impact of seasonal variations in <i>Plasmodium falciparum</i> malaria transmission on the surveillance of pfhrp2 gene deletions. <i>ELife</i> , 2019, 8, .	6.0	28
146	Estimating the COVID-19 infection fatality ratio accounting for seroreversion using statistical modelling. <i>Communications Medicine</i> , 2022, 2, .	4.2	28
147	A Bayesian Approach to Quantifying the Effects of Mass Poultry Vaccination upon the Spatial and Temporal Dynamics of H5N1 in Northern Vietnam. <i>PLoS Computational Biology</i> , 2010, 6, e1000683.	3.2	27
148	Mathematical Modelling to Guide Drug Development for Malaria Elimination. <i>Trends in Parasitology</i> , 2017, 33, 175-184.	3.3	27
149	Prioritizing the scale-up of interventions for malaria control and elimination. <i>Malaria Journal</i> , 2019, 18, 122.	2.3	27
150	Quantifying the transmissibility of human influenza and its seasonal variation in temperate regions. <i>PLOS Currents</i> , 2009, 1, RRN1125.	1.4	27
151	The transmission dynamics of BSE and vCJD. <i>Comptes Rendus - Biologies</i> , 2002, 325, 37-47.	0.2	26
152	Is there the potential for an epidemic of variant Creutzfeldtâ€“Jakob disease via blood transfusion in the UK?. <i>Journal of the Royal Society Interface</i> , 2007, 4, 675-684.	3.4	26
153	Joint estimation of the basic reproduction number and generation time parameters for infectious disease outbreaks. <i>Biostatistics</i> , 2011, 12, 303-312.	1.5	26
154	A metapopulation modelling framework for gonorrhoea and other sexually transmitted infections in heterosexual populations. <i>Journal of the Royal Society Interface</i> , 2009, 6, 775-791.	3.4	25
155	Estimating the potential impact of Attractive Targeted Sugar Baits (ATSBs) as a new vector control tool for <i>Plasmodium falciparum</i> malaria. <i>Malaria Journal</i> , 2021, 20, 151.	2.3	25
156	Adherence to antiretroviral therapy and its impact on clinical outcome in HIV-infected patients. <i>Journal of the Royal Society Interface</i> , 2005, 2, 349-363.	3.4	24
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