

Azra C Ghani

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

238
papers

19,537
citations

66
h-index

136
g-index

251
ext. papers

24,452
ext. citations

11.5
avg, IF

6.49
L-index

#	Paper	IF	Citations
238	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,		2
237	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, The</i> , 2022 ,	4.0	86
236	A novel statistical framework for exploring the population dynamics and seasonality of mosquito populations.. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022 , 289, 20220089	4.4	1
235	Optimizing social and economic activity while containing SARS-CoV-2 transmission using DAEDALUS. <i>Nature Computational Science</i> , 2022 , 2, 223-233		0
234	Global impact of the first year of COVID-19 vaccination: a mathematical modelling study. <i>Lancet Infectious Diseases, The</i> , 2022 ,	25.5	48
233	Communicating uncertainty in epidemic models. <i>Epidemics</i> , 2021 , 37, 100520	5.1	2
232	Analysis of the potential for a malaria vaccine to reduce gaps in malaria intervention coverage. <i>Malaria Journal</i> , 2021 , 20, 438	3.6	1
231	Under-reporting of deaths limits our understanding of true burden of covid-19. <i>BMJ, The</i> , 2021 , 375, n2239	5.9	13
230	Non-pharmaceutical interventions, vaccination, and the SARS-CoV-2 delta variant in England: a mathematical modelling study. <i>Lancet, The</i> , 2021 , 398, 1825-1835	4.0	30
229	Leveraging community mortality indicators to infer COVID-19 mortality and transmission dynamics in Damascus, Syria. <i>Nature Communications</i> , 2021 , 12, 2394	17.4	17
228	Modelling intensive care unit capacity under different epidemiological scenarios of the COVID-19 pandemic in three Western European countries. <i>International Journal of Epidemiology</i> , 2021 , 50, 753-767 ^{7.8}		5
227	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	4.1	22
226	Fine-scale estimation of key life-history parameters of malaria vectors: implications for next-generation vector control technologies. <i>Parasites and Vectors</i> , 2021 , 14, 311	4	
225	Using syndromic measures of mortality to capture the dynamics of COVID-19 in Java, Indonesia, in the context of vaccination rollout. <i>BMC Medicine</i> , 2021 , 19, 146	11.4	6
224	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	30
223	Potential impact of intervention strategies on COVID-19 transmission in Malawi: a mathematical modelling study. <i>BMJ Open</i> , 2021 , 11, e045196	3	1
222	COVID-19 and the difficulty of inferring epidemiological parameters from clinical data - AuthorsP reply. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, 28	25.5	6

221	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. <i>International Journal of Infectious Diseases</i> , 2021 , 102, 463-471	10.5	3
220	Evaluating the Performance of Malaria Genetics for Inferring Changes in Transmission Intensity Using Transmission Modeling. <i>Molecular Biology and Evolution</i> , 2021 , 38, 274-289	8.3	3
219	The J-IDEA Pandemic Planner: A Framework for Implementing Hospital Provision Interventions During the COVID-19 Pandemic. <i>Medical Care</i> , 2021 , 59, 371-378	3.1	4
218	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	11.6	60
217	Estimating the potential impact of Attractive Targeted Sugar Baits (ATSBs) as a new vector control tool for Plasmodium falciparum malaria. <i>Malaria Journal</i> , 2021 , 20, 151	3.6	2
216	The impact of a COVID-19 lockdown on work productivity under good and poor compliance. <i>European Journal of Public Health</i> , 2021 , 31, 1009-1015	2.1	0
215	Global patterns of submicroscopic malaria infection: insights from a systematic review and meta-analysis of population surveys. <i>Lancet Microbe, The</i> , 2021 , 2, e366-e374	22.2	3
214	Understanding the Potential Impact of Different Drug Properties On SARS-CoV-2 Transmission and Disease Burden: A Modelling Analysis. <i>Clinical Infectious Diseases</i> , 2021 ,	11.6	6
213	Host or pathogen-related factors in COVID-19 severity? - AuthorsPreply. <i>Lancet, The</i> , 2020 , 396, 1397	4.0	2
212	The impact of antimalarial resistance on the genetic structure of Plasmodium falciparum in the DRC. <i>Nature Communications</i> , 2020 , 11, 2107	17.4	25
211	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. <i>Science</i> , 2020 , 369, 413-422	33.3	440
210	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet, The</i> , 2020 , 395, e110-e111	11.1	53
209	Power calculations for cluster randomized trials (CRTs) with right-truncated Poisson-distributed outcomes: a motivating example from a malaria vector control trial. <i>International Journal of Epidemiology</i> , 2020 , 49, 954-962	7.8	5
208	Tracking progress towards malaria elimination in China: Individual-level estimates of transmission and its spatiotemporal variation using a diffusion network approach. <i>PLoS Computational Biology</i> , 2020 , 16, e1007707	5	6
207	The duration of chemoprophylaxis against malaria after treatment with artesunate-amodiaquine and artemether-lumefantrine and the effects of pfmdr1 86Y and pfcr1 76T: a meta-analysis of individual patient data. <i>BMC Medicine</i> , 2020 , 18, 47	11.4	7
206	Estimates of the severity of coronavirus disease 2019: a model-based analysis. <i>Lancet Infectious Diseases, The</i> , 2020 , 20, 669-677	25.5	2101
205	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. <i>Wellcome Open Research</i> , 2020 , 5, 81	4.8	45
204	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. <i>Wellcome Open Research</i> , 2020 , 5, 81	4.8	57

203	Estimated impact of RTS,S/AS01 malaria vaccine allocation strategies in sub-Saharan Africa: A modelling study. <i>PLoS Medicine</i> , 2020 , 17, e1003377	11.6	5
202	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020 , 584, 257-261	50.4	1469
201	Ivermectin as a novel complementary malaria control tool to reduce incidence and prevalence: a modelling study. <i>Lancet Infectious Diseases</i> , 2020 , 20, 498-508	25.5	20
200	Modelling the roles of antibody titre and avidity in protection from Plasmodium falciparum malaria infection following RTS,S/AS01 vaccination. <i>Vaccine</i> , 2020 , 38, 7498-7507	4.1	7
199	The impact of delayed treatment of uncomplicated P. falciparum malaria on progression to severe malaria: A systematic review and a pooled multicentre individual-patient meta-analysis. <i>PLoS Medicine</i> , 2020 , 17, e1003359	11.6	16
198	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	13.6	307
197	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , 2020 , 11, 6189	17.4	54
196	The potential public health consequences of COVID-19 on malaria in Africa. <i>Nature Medicine</i> , 2020 , 26, 1411-1416	50.5	62
195	Adapting hospital capacity to meet changing demands during the COVID-19 pandemic. <i>BMC Medicine</i> , 2020 , 18, 329	11.4	53
194	Response to COVID-19 in South Korea and implications for lifting stringent interventions. <i>BMC Medicine</i> , 2020 , 18, 321	11.4	66
193	Estimating the number of undetected COVID-19 cases among travellers from mainland China. <i>Wellcome Open Research</i> , 2020 , 5, 143	4.8	2
192	Estimated impact of RTS,S/AS01 malaria vaccine allocation strategies in sub-Saharan Africa: A modelling study 2020 , 17, e1003377		
191	Estimated impact of RTS,S/AS01 malaria vaccine allocation strategies in sub-Saharan Africa: A modelling study 2020 , 17, e1003377		
190	Estimated impact of RTS,S/AS01 malaria vaccine allocation strategies in sub-Saharan Africa: A modelling study 2020 , 17, e1003377		
189	Estimated impact of RTS,S/AS01 malaria vaccine allocation strategies in sub-Saharan Africa: A modelling study 2020 , 17, e1003377		
188	Estimated impact of RTS,S/AS01 malaria vaccine allocation strategies in sub-Saharan Africa: A modelling study 2020 , 17, e1003377		
187	Modelling pathogen load dynamics to elucidate mechanistic determinants of host-Plasmodium falciparum interactions. <i>Nature Microbiology</i> , 2019 , 4, 1592-1602	26.6	12
186	Prioritizing the scale-up of interventions for malaria control and elimination. <i>Malaria Journal</i> , 2019 , 18, 122	3.6	15

185	Fine-scale modelling finds that breeding site fragmentation can reduce mosquito population persistence. <i>Communications Biology</i> , 2019 , 2, 273	6.7	6
184	Impact of seasonal variations in malaria transmission on the surveillance of gene deletions. <i>ELife</i> , 2019 , 8,	8.9	14
183	How delayed and non-adherent treatment contribute to onward transmission of malaria: a modelling study. <i>BMJ Global Health</i> , 2019 , 4, e001856	6.6	4
182	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	6.6	24
181	Plasmodium vivax and Plasmodium falciparum infection dynamics: re-infections, recrudescences and relapses. <i>Malaria Journal</i> , 2018 , 17, 170	3.6	20
180	Can improving access to care help to eliminate malaria?. <i>Lancet, The</i> , 2018 , 391, 1870-1871	4.0	2
179	Drug-Resistance and Population Structure of Plasmodium falciparum Across the Democratic Republic of Congo Using High-Throughput Molecular Inversion Probes. <i>Journal of Infectious Diseases</i> , 2018 , 218, 946-955	7	44
178	Modelling population-level impact to inform target product profiles for childhood malaria vaccines. <i>BMC Medicine</i> , 2018 , 16, 109	11.4	6
177	Plasmodium falciparum genetic variation of var2csa in the Democratic Republic of the Congo. <i>Malaria Journal</i> , 2018 , 17, 46	3.6	10
176	Mathematical modelling of the impact of expanding levels of malaria control interventions on Plasmodium vivax. <i>Nature Communications</i> , 2018 , 9, 3300	17.4	30
175	A trade-off between dry season survival longevity and wet season high net reproduction can explain the persistence of Anopheles mosquitoes. <i>Parasites and Vectors</i> , 2018 , 11, 576	4	11
174	Using ante-natal clinic prevalence data to monitor temporal changes in malaria incidence in a humanitarian setting in the Democratic Republic of Congo. <i>Malaria Journal</i> , 2018 , 17, 312	3.6	5
173	Mathematical models of human mobility of relevance to malaria transmission in Africa. <i>Scientific Reports</i> , 2018 , 8, 7713	4.9	24
172	Estimating spatiotemporally varying malaria reproduction numbers in a near elimination setting. <i>Nature Communications</i> , 2018 , 9, 2476	17.4	12
171	Synergy in anti-malarial pre-erythrocytic and transmission-blocking antibodies is achieved by reducing parasite density. <i>ELife</i> , 2018 , 7,	8.9	19
170	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	13.6	74
169	The US President's Malaria Initiative, Plasmodium falciparum transmission and mortality: A modelling study. <i>PLoS Medicine</i> , 2017 , 14, e1002448	11.6	19
168	Modelling the benefits of long-acting or transmission-blocking drugs for reducing Plasmodium falciparum transmission by case management or by mass treatment. <i>Malaria Journal</i> , 2017 , 16, 341	3.6	9

167	Pfhrp2-Deleted Plasmodium falciparum Parasites in the Democratic Republic of the Congo: A National Cross-sectional Survey. <i>Journal of Infectious Diseases</i> , 2017 , 216, 36-44	7	75
166	Assessing the impact of imperfect adherence to artemether-lumefantrine on malaria treatment outcomes using within-host modelling. <i>Nature Communications</i> , 2017 , 8, 1373	17.4	13
165	Model citizen - AuthorsPreply. <i>The Lancet Global Health</i> , 2017 , 5, e974	13.6	1
164	Mathematical Modelling to Guide Drug Development for Malaria Elimination. <i>Trends in Parasitology</i> , 2017 , 33, 175-184	6.4	22
163	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	6.6	32
162	Global investment targets for malaria control and elimination between 2016 and 2030. <i>BMJ Global Health</i> , 2017 , 2, e000176	6.6	29
161	Modelling the drivers of the spread of gene deletions in sub-Saharan Africa. <i>ELife</i> , 2017 , 6,	8.9	47
160	Estimating the most efficient allocation of interventions to achieve reductions in Plasmodium falciparum malaria burden and transmission in Africa: a modelling study. <i>The Lancet Global Health</i> , 2016 , 4, e474-84	13.6	83
159	Assessing the potential impact of artemisinin and partner drug resistance in sub-Saharan Africa. <i>Malaria Journal</i> , 2016 , 15, 10	3.6	37
158	Estimating malaria transmission intensity from Plasmodium falciparum serological data using antibody density models. <i>Malaria Journal</i> , 2016 , 15, 79	3.6	27
157	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	3.6	33
156	Public health impact and cost-effectiveness of the RTS,S/AS01 malaria vaccine: a systematic comparison of predictions from four mathematical models. <i>Lancet, The</i> , 2016 , 387, 367-375	40	107
155	Potential for reduction of burden and local elimination of malaria by reducing Plasmodium falciparum malaria transmission: a mathematical modelling study. <i>Lancet Infectious Diseases, The</i> , 2016 , 16, 465-72	25.5	74
154	Provision of malaria treatment for Ebola case contacts. <i>Lancet Infectious Diseases, The</i> , 2016 , 16, 391-2	25.5	
153	Variation in relapse frequency and the transmission potential of Plasmodium vivax malaria. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2016 , 283, 20160048	4.4	38
152	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, The</i> , 2015 , 15, 825-32	25.5	111
151	Vaccine approaches to malaria control and elimination: Insights from mathematical models. <i>Vaccine</i> , 2015 , 33, 7544-50	4.1	11
150	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, The</i> , 2015 , 15, 1450-8	25.5	174

149	Expanding the role of diagnostic and prognostic tools for infectious diseases in resource-poor settings. <i>Nature</i> , 2015 , 528, S50-2	50.4	21
148	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	3.6	31
147	Comparison of diagnostics for the detection of asymptomatic <i>Plasmodium falciparum</i> infections to inform control and elimination strategies. <i>Nature</i> , 2015 , 528, S86-93	50.4	125
146	Assessing the impact of next-generation rapid diagnostic tests on <i>Plasmodium falciparum</i> malaria elimination strategies. <i>Nature</i> , 2015 , 528, S94-101	50.4	94
145	Evaluating the impact of pulse oximetry on childhood pneumonia mortality in resource-poor settings. <i>Nature</i> , 2015 , 528, S53-9	50.4	53
144	Gradual acquisition of immunity to severe malaria with increasing exposure. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015 , 282, 20142657	4.4	56
143	Dynamics of the antibody response to <i>Plasmodium falciparum</i> infection in African children. <i>Journal of Infectious Diseases</i> , 2014 , 210, 1115-22	7	96
142	Estimated risk of placental infection and low birthweight attributable to <i>Plasmodium falciparum</i> malaria in Africa in 2010: a modelling study. <i>The Lancet Global Health</i> , 2014 , 2, e460-7	13.6	88
141	Risk factors for UK <i>Plasmodium falciparum</i> cases. <i>Malaria Journal</i> , 2014 , 13, 298	3.6	9
140	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	11.4	56
139	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, 1972-80	7	66
138	Modelling the contribution of the hypnozoite reservoir to <i>Plasmodium vivax</i> transmission. <i>ELife</i> , 2014 , 3,	8.9	65
137	Contrasting benefits of different artemisinin combination therapies as first-line malaria treatments using model-based cost-effectiveness analysis. <i>Nature Communications</i> , 2014 , 5, 5606	17.4	62
136	Transmission and control of <i>Plasmodium knowlesi</i> : a mathematical modelling study. <i>PLoS Neglected Tropical Diseases</i> , 2014 , 8, e2978	4.8	36
135	Estimates of the changing age-burden of <i>Plasmodium falciparum</i> malaria disease in sub-Saharan Africa. <i>Nature Communications</i> , 2014 , 5, 3136	17.4	133
134	Efficacy of RTS,S malaria vaccines: individual-participant pooled analysis of phase 2 data. <i>Lancet Infectious Diseases</i> , 2013 , 13, 319-27	25.5	69
133	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	3.6	27
132	The design and statistical power of treatment re-infection studies of the association between pre-erythrocytic immunity and infection with <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2013 , 12, 278	3.6	3

131	Overcoming health systems barriers to successful malaria treatment. <i>Trends in Parasitology</i> , 2013 , 29, 164-80	6.4	51
130	A model of parity-dependent immunity to placental malaria. <i>Nature Communications</i> , 2013 , 4, 1609	17.4	35
129	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, 9177-82	11.5	95
128	The importance of mosquito behavioural adaptations to malaria control in Africa. <i>Evolution; International Journal of Organic Evolution</i> , 2013 , 67, 1218-30	3.8	188
127	The relationship between RTS,S vaccine-induced antibodies, CD4+ T cell responses and protection against Plasmodium falciparum infection. <i>PLoS ONE</i> , 2013 , 8, e61395	3.7	132
126	Estimating air temperature and its influence on malaria transmission across Africa. <i>PLoS ONE</i> , 2013 , 8, e56487	3.7	37
125	The potential impact of improving appropriate treatment for fever on malaria and non-malarial febrile illness management in under-5s: a decision-tree modelling approach. <i>PLoS ONE</i> , 2013 , 8, e69654	3.7	14
124	Factors determining the occurrence of submicroscopic malaria infections and their relevance for control. <i>Nature Communications</i> , 2012 , 3, 1237	17.4	395
123	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, 1836-45	4.1	23
122	Hitting hotspots: spatial targeting of malaria for control and elimination. <i>PLoS Medicine</i> , 2012 , 9, e1001166	16.6	391
121	Essential epidemiological mechanisms underpinning the transmission dynamics of seasonal influenza. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 304-12	4.1	54
120	Estimating the potential public health impact of seasonal malaria chemoprevention in African children. <i>Nature Communications</i> , 2012 , 3, 881	17.4	106
119	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. <i>PLoS ONE</i> , 2012 , 7, e37986	3.7	56
118	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, The</i> , 2011 , 378, 256-68	4.0	251
117	Role of acute infection in HIV transmission [AuthorsPreply]. <i>Lancet, The</i> , 2011 , 378, 1914-1915	4.0	2
116	Modelling the protective efficacy of alternative delivery schedules for intermittent preventive treatment of malaria in infants and children. <i>PLoS ONE</i> , 2011 , 6, e18947	3.7	11
115	The potential contribution of mass treatment to the control of Plasmodium falciparum malaria. <i>PLoS ONE</i> , 2011 , 6, e20179	3.7	104
114	Sexual partnership patterns in malawi: implications for HIV/STI transmission. <i>Sexually Transmitted Diseases</i> , 2011 , 38, 657-66	2.4	18

113	Costs and cost-effectiveness of malaria control interventions--a systematic review. <i>Malaria Journal</i> , 2011 , 10, 337	3.6	180
112	Modelling the impact of vector control interventions on <i>Anopheles gambiae</i> population dynamics. <i>Parasites and Vectors</i> , 2011 , 4, 153	4	132
111	Joint estimation of the basic reproduction number and generation time parameters for infectious disease outbreaks. <i>Biostatistics</i> , 2011 , 12, 303-12	3.7	21
110	Impact of the implementation of rest days in live bird markets on the dynamics of H5N1 highly pathogenic avian influenza. <i>Journal of the Royal Society Interface</i> , 2011 , 8, 1079-89	4.1	48
109	Efficacy model for antibody-mediated pre-erythrocytic malaria vaccines. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011 , 278, 1298-305	4.4	14
108	An application of hidden Markov models to the French variant Creutzfeldt-Jakob disease epidemic. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2010 , 59, 839-853	1.5	6
107	Protective efficacy of intermittent preventive treatment of malaria in infants (IPTi) using sulfadoxine-pyrimethamine and parasite resistance. <i>PLoS ONE</i> , 2010 , 5, e12618	3.7	27
106	Uncertainty in the tail of the variant Creutzfeldt-Jakob disease epidemic in the UK. <i>PLoS ONE</i> , 2010 , 5, e15626	3.7	48
105	Republished paper: Populations and partnerships: insights from metapopulation and pair models into the epidemiology of gonorrhoea and other sexually transmitted infections. <i>Sexually Transmitted Infections</i> , 2010 , 86 Suppl 3, iii63-69	2.8	0
104	Reducing <i>Plasmodium falciparum</i> malaria transmission in Africa: a model-based evaluation of intervention strategies. <i>PLoS Medicine</i> , 2010 , 7, e1000324	11.6	362
103	Interpreting tuberculin skin tests in a population with a high prevalence of HIV, tuberculosis, and nonspecific tuberculin sensitivity. <i>American Journal of Epidemiology</i> , 2010 , 171, 1037-45	3.8	7
102	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	5	22
101	Populations and partnerships: insights from metapopulation and pair models into the epidemiology of gonorrhoea and other sexually transmitted infections. <i>Sexually Transmitted Infections</i> , 2010 , 86, 433-9	2.8	11
100	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	3.6	190
99	Heterogeneity in malaria exposure and vaccine response: implications for the interpretation of vaccine efficacy trials. <i>Malaria Journal</i> , 2010 , 9, 82	3.6	41
98	Loss of population levels of immunity to malaria as a result of exposure-reducing interventions: consequences for interpretation of disease trends. <i>PLoS ONE</i> , 2009 , 4, e4383	3.7	77
97	Rapid assessment of malaria transmission using age-specific sero-conversion rates. <i>PLoS ONE</i> , 2009 , 4, e6083	3.7	128
96	Pandemic potential of a strain of influenza A (H1N1): early findings. <i>Science</i> , 2009 , 324, 1557-61	33.3	1403

95	Managing and reducing uncertainty in an emerging influenza pandemic. <i>New England Journal of Medicine</i> , 2009 , 361, 112-5	59.2	137
94	Response--Influenza. <i>Science</i> , 2009 , 325, 1072-1073	33.3	1
93	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	11.6	111
92	A metapopulation modelling framework for gonorrhoea and other sexually transmitted infections in heterosexual populations. <i>Journal of the Royal Society Interface</i> , 2009 , 6, 775-91	4.1	17
91	Poultry movement networks in Cambodia: implications for surveillance and control of highly pathogenic avian influenza (HPAI/H5N1). <i>Vaccine</i> , 2009 , 27, 6345-52	4.1	77
90	Submicroscopic infection in Plasmodium falciparum-endemic populations: a systematic review and meta-analysis. <i>Journal of Infectious Diseases</i> , 2009 , 200, 1509-17	7	378
89	Household transmission of 2009 pandemic influenza A (H1N1) virus in the United States. <i>New England Journal of Medicine</i> , 2009 , 361, 2619-27	59.2	370
88	Estimating the public health impact of the effect of herpes simplex virus suppressive therapy on plasma HIV-1 viral load. <i>Aids</i> , 2009 , 23, 1005-13	3.5	15
87	Assessing the severity of the novel influenza A/H1N1 pandemic. <i>BMJ, The</i> , 2009 , 339, b2840	5.9	175
86	Quantifying the transmissibility of human influenza and its seasonal variation in temperate regions. <i>PLOS Currents</i> , 2009 , 1, RRN1125		20
85	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. <i>PLOS Currents</i> , 2009 , 1, RRN1130		63
84	Changes in poultry handling behavior and poultry mortality reporting among rural Cambodians in areas affected by HPAI/H5N1. <i>PLoS ONE</i> , 2009 , 4, e6466	3.7	8
83	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, 155-63	5.6	27
82	Modelling heterogeneity and the impact of chemotherapy and vaccination against human hookworm. <i>Journal of the Royal Society Interface</i> , 2008 , 5, 1329-41	4.1	12
81	Dried blood spots as a source of anti-malarial antibodies for epidemiological studies. <i>Malaria Journal</i> , 2008 , 7, 195	3.6	165
80	Reduction of transmission from malaria patients by artemisinin combination therapies: a pooled analysis of six randomized trials. <i>Malaria Journal</i> , 2008 , 7, 125	3.6	125
79	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	3.6	21
78	Mind the gap: the role of time between sex with two consecutive partners on the transmission dynamics of gonorrhoea. <i>Sexually Transmitted Diseases</i> , 2008 , 35, 435-44	2.4	42

77	Transmission Dynamics and Control of the Viral Aetiological Agent of SARS 2008 , 111-130		
76	Modelling the impact of artemisinin combination therapy and long-acting treatments on malaria transmission intensity. <i>PLoS Medicine</i> , 2008 , 5, e226; discussion e226	11.6	106
75	Is there the potential for an epidemic of variant Creutzfeldt-Jakob disease via blood transfusion in the UK?. <i>Journal of the Royal Society Interface</i> , 2007 , 4, 675-84	4.1	22
74	The transmissibility of highly pathogenic avian influenza in commercial poultry in industrialised countries. <i>PLoS ONE</i> , 2007 , 2, e349	3.7	46
73	A note on parameter estimation for variant Creutzfeldt-Jakob disease epidemic models. <i>Statistics in Medicine</i> , 2007 , 26, 546-52	2.3	
72	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, 1982-98	2.3	33
71	Determination of the processes driving the acquisition of immunity to malaria using a mathematical transmission model. <i>PLoS Computational Biology</i> , 2007 , 3, e255	5	120
70	Geographical and demographic clustering of gonorrhoea in London. <i>Sexually Transmitted Infections</i> , 2007 , 83, 481-7	2.8	36
69	Control of a highly pathogenic H5N1 avian influenza outbreak in the GB poultry flock. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007 , 274, 2287-95	4.4	56
68	Quantifying HIV-1 transmission due to contaminated injections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 9794-9	11.5	20
67	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 (1999)</i> , 2007 , 45, 183-92	3.1	133
66	Influence of Selected Formation Rules for Finite Population Networks with Fixed Macrostructures: Implications for Individual-Based Model of Infectious Diseases. <i>Mathematical Population Studies</i> , 2007 , 14, 237-267	0.8	12
65	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, 359-63	2.8	30
64	The effect on treatment comparisons of different measurement frequencies in human immunodeficiency virus observational databases. <i>American Journal of Epidemiology</i> , 2006 , 163, 676-83	3.8	11
63	Identification of individuals with gonorrhoea within sexual networks: a population-based study. <i>Lancet, The</i> , 2006 , 368, 139-46	4.0	67
62	Factors determining the potential for onward transmission of variant Creutzfeldt-Jakob disease via surgical instruments. <i>Journal of the Royal Society Interface</i> , 2006 , 3, 757-66	4.1	12
61	Seroprevalence of IgG antibodies to SARS-coronavirus in asymptomatic or subclinical population groups. <i>Epidemiology and Infection</i> , 2006 , 134, 211-21	4.3	67
60	Comparison of the risks of atherosclerotic events versus death from other causes associated with antiretroviral use. <i>Aids</i> , 2006 , 20, 1941-50	3.5	34

59	Developing a realistic sexual network model of chlamydia transmission in Britain. <i>Theoretical Biology and Medical Modelling</i> , 2006 , 3, 3	2.3	56
58	Patterns of sex worker-client contacts and their implications for the persistence of sexually transmitted infections. <i>Journal of Infectious Diseases</i> , 2005 , 191 Suppl 1, S34-41	7	24
57	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	4.1	56
56	Adherence to antiretroviral therapy and its impact on clinical outcome in HIV-infected patients. <i>Journal of the Royal Society Interface</i> , 2005 , 2, 349-63	4.1	20
55	Mortality in patients with successful initial response to highly active antiretroviral therapy is still higher than in non-HIV-infected individuals. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2005 , 40, 212-8	3.1	50
54	Gender difference in HIV-1 RNA viral loads. <i>HIV Medicine</i> , 2005 , 6, 170-8	2.7	48
53	Methods for estimating the case fatality ratio for a novel, emerging infectious disease. <i>American Journal of Epidemiology</i> , 2005 , 162, 479-86	3.8	169
52	SARS-CoV antibody prevalence in all Hong Kong patient contacts. <i>Emerging Infectious Diseases</i> , 2004 , 10, 1653-6	10.2	61
51	Investigating ethnic inequalities in the incidence of sexually transmitted infections: mathematical modelling study. <i>Sexually Transmitted Infections</i> , 2004 , 80, 379-85	2.8	31
50	Epidemiology, transmission dynamics and control of SARS: the 2002-2003 epidemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 1091-105	5.8	312
49	Real-time epidemiology: Understanding the spread of SARS. <i>Significance</i> , 2004 , 1, 176-179	0.5	4
48	Prevalence of lymphoreticular prion protein accumulation in UK tissue samples. <i>Journal of Pathology</i> , 2004 , 203, 733-9	9.4	335
47	Public health. Public health risk from the avian H5N1 influenza epidemic. <i>Science</i> , 2004 , 304, 968-9	33.3	128
46	Epidemiological and genetic analysis of severe acute respiratory syndrome. <i>Lancet Infectious Diseases</i> , 2004 , 4, 672-83	25.5	79
45	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, 662-73	8	235
44	Transmission dynamics of the etiological agent of SARS in Hong Kong: impact of public health interventions. <i>Science</i> , 2003 , 300, 1961-6	33.3	823
43	Mortality and progression to AIDS after starting highly active antiretroviral therapy. <i>Aids</i> , 2003 , 17, 2227-36	3.6	128
42	The epidemiology of HIV/AIDS: contributions to infectious disease epidemiology 2003 , 59-87		1

41	vCJD risk in the Republic of Ireland. <i>BMC Infectious Diseases</i> , 2003 , 3, 28	4	8
40	Updated projections of future vCJD deaths in the UK. <i>BMC Infectious Diseases</i> , 2003 , 3, 4	4	60
39	Patterns of antiretroviral use in the United States of America: analysis of three observational databases. <i>HIV Medicine</i> , 2003 , 4, 24-32	2.7	31
38	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. <i>Lancet, The</i> , 2003 , 361, 1761-6	40	691
37	Use of observational data in evaluating treatments: antiretroviral therapy and HIV. <i>Expert Review of Anti-Infective Therapy</i> , 2003 , 1, 551-62	5.5	1
36	Commentary: Predicting the unpredictable: the future incidence of variant Creutzfeldt-Jakob disease. <i>International Journal of Epidemiology</i> , 2003 , 32, 792-3	7.8	7
35	Persistence of two genotypes of Neisseria gonorrhoeae during transmission. <i>Journal of Clinical Microbiology</i> , 2003 , 41, 5609-14	9.7	12
34	Factors determining the pattern of the variant Creutzfeldt-Jakob disease (vCJD) epidemic in the UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 689-98	4.4	50
33	Extending backcalculation to analyse BSE data. <i>Statistical Methods in Medical Research</i> , 2003 , 12, 177-90	2.3	19
32	Short-term projections for variant Creutzfeldt-Jakob disease onsets. <i>Statistical Methods in Medical Research</i> , 2003 , 12, 191-201	2.3	11
31	Antigen-driven T-cell turnover. <i>Journal of Theoretical Biology</i> , 2002 , 219, 177-92	2.3	6
30	The epidemiology of variant Creutzfeldt-Jakob disease in Europe. <i>Microbes and Infection</i> , 2002 , 4, 385-93	3.3	9
29	Estimating the human health risk from possible BSE infection of the British sheep flock. <i>Nature</i> , 2002 , 415, 420-4	50.4	74
28	Implications of BSE infection screening data for the scale of the British BSE epidemic and current European infection levels. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2179-90	4.4	74
27	Viral replication under combination antiretroviral therapy: a comparison of four different regimens. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2002 , 30, 167-76	3.1	12
26	Accumulation of prion protein in tonsil and appendix: review of tissue samples. <i>BMJ, The</i> , 2002 , 325, 633-4	5.9	100
25	Incidence of Creutzfeldt-Jakob disease in Switzerland. <i>Lancet, The</i> , 2002 , 360, 139-41	40	64
24	The transmission dynamics of BSE and vCJD. <i>Comptes Rendus - Biologies</i> , 2002 , 325, 37-47	1.4	23

23	Response to comments on the comparison of the effectiveness of non-nucleoside reverse transcriptase inhibitor and protease inhibitor-containing regimens using observational databases. <i>Aids</i> , 2002 , 16, 302-303	3.5	
22	Comparison of the effectiveness of non-nucleoside reverse transcriptase inhibitor-containing and protease inhibitor-containing regimens using observational databases. <i>Aids</i> , 2001 , 15, 1133-42	3.5	39
21	Predicted vCJD mortality in Great Britain. <i>Nature</i> , 2000 , 406, 583-4	50.4	137
20	Reduction of the HIV-1-infected T-cell reservoir by immune activation treatment is dose-dependent and restricted by the potency of antiretroviral drugs. <i>Aids</i> , 2000 , 14, 659-69	3.5	42
19	Risks of acquiring and transmitting sexually transmitted diseases in sexual partner networks. <i>Sexually Transmitted Diseases</i> , 2000 , 27, 579-87	2.4	76
18	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, 23-9	4.4	26
17	Retrospective study of prion-protein accumulation in tonsil and appendix tissues. <i>Lancet, The</i> , 2000 , 355, 1693-4	40	76
16	A prospective social and molecular investigation of gonococcal transmission. <i>Lancet, The</i> , 2000 , 356, 1812-7	40	41
15	Antigen-driven CD4+ T cell and HIV-1 dynamics: residual viral replication under highly active antiretroviral therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 15167-72	11.5	55
14	Sampling biases and missing data in explorations of sexual partner networks for the spread of sexually transmitted diseases. <i>Statistics in Medicine</i> , 1998 , 17, 2079-97	2.3	69
13	Epidemiological determinants of the pattern and magnitude of the vCJD epidemic in Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 2443-52	4.4	63
12	The role of sexual partnership networks in the epidemiology of gonorrhoea. <i>Sexually Transmitted Diseases</i> , 1997 , 24, 45-56	2.4	179
11	Sexual partner networks in the transmission of sexually transmitted diseases. An analysis of gonorrhoea cases in Sheffield, UK. <i>Sexually Transmitted Diseases</i> , 1996 , 23, 498-503	2.4	29
10	The value of vaccine booster doses to mitigate the global impact of the Omicron SARS-CoV-2 variant		1
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1	Interpreting estimates of coronavirus disease 2019 (COVID-19) vaccine efficacy and effectiveness to inform simulation studies of vaccine impact: a systematic review. <i>Wellcome Open Research</i> ,6, 185	4.8 7