Marc Baguelin

List of Publications by Year
in descending order

78	10,816	109321	71685
papers	citations	35	76
		h-index	g-index

91	91	91	17778
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	The Impact of Cocirculating Pathogens on Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)/Coronavirus Disease 2019 Surveillance: How Concurrent Epidemics May Introduce Bias and Decrease the Observed SARS-CoV-2 Percentage Positivity. Journal of Infectious Diseases, 2022, 225, 199-207.	4.0	2
2	Health and economic impact of seasonal influenza mass vaccination strategies in European settings: A mathematical modelling and cost-effectiveness analysis. Vaccine, 2022, 40, 1306-1315.	3.8	12
3	Regional-based within-year seasonal variations in influenza-related health outcomes across mainland China: a systematic review and spatio-temporal analysis. BMC Medicine, 2022, 20, 58.	5.5	9
4	Estimating the COVID-19 infection fatality ratio accounting for seroreversion using statistical modelling. Communications Medicine, 2022, 2, .	4.2	28
5	Cost-effectiveness of live-attenuated influenza vaccination among school-age children. Vaccine, 2021, 39, 447-456.	3.8	4
6	Database of epidemic trends and control measures during the first wave of COVID-19 in mainland China. International Journal of Infectious Diseases, 2021, 102, 463-471.	3.3	12
7	Reduction in mobility and COVID-19 transmission. Nature Communications, 2021, 12, 1090.	12.8	394
8	Age groups that sustain resurging COVID-19 epidemics in the United States. Science, 2021, 371, .	12.6	239
9	Human Rhinovirus Infection Blocks Severe Acute Respiratory Syndrome Coronavirus 2 Replication Within the Respiratory Epithelium: Implications for COVID-19 Epidemiology. Journal of Infectious Diseases, 2021, 224, 31-38.	4.0	119
10	Leveraging community mortality indicators to infer COVID-19 mortality and transmission dynamics in Damascus, Syria. Nature Communications, 2021, 12, 2394.	12.8	35
11	Modelling intensive care unit capacity under different epidemiological scenarios of the COVID-19 pandemic in three Western European countries. International Journal of Epidemiology, 2021, 50, 753-767.	1.9	24
12	Genetic evidence for the association between COVID-19 epidemic severity and timing of non-pharmaceutical interventions. Nature Communications, 2021, 12, 2188.	12.8	23
13	Within-country age-based prioritisation, global allocation, and public health impact of a vaccine against SARS-CoV-2: A mathematical modelling analysis. Vaccine, 2021, 39, 2995-3006.	3.8	71
14	Key epidemiological drivers and impact of interventions in the 2020 SARS-CoV-2 epidemic in England. Science Translational Medicine, 2021, 13, .	12.4	89
15	Integrating epidemiological and genetic data with different sampling intensities into a dynamic model of respiratory syncytial virus transmission. Scientific Reports, 2021, 11, 1463.	3.3	8
16	Non-pharmaceutical interventions, vaccination, and the SARS-CoV-2 delta variant in England: a mathematical modelling study. Lancet, The, 2021, 398, 1825-1835.	13.7	119
17	Predicted norovirus resurgence in 2021–2022 due to the relaxation of nonpharmaceutical interventions associated with COVID-19 restrictions in England: a mathematical modeling study. BMC Medicine, 2021, 19, 299.	5.5	18
18	Estimates for quality of life loss due to Respiratory Syncytial Virus. Influenza and Other Respiratory Viruses, 2020, 14, 19-27.	3.4	19

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19	Modelling the optimal target age group for seasonal influenza vaccination in Japan. Vaccine, 2020, 38, 752-762.	3.8	11
20	Potential impact of the COVID-19 pandemic on HIV, tuberculosis, and malaria in low-income and middle-income countries: a modelling study. The Lancet Global Health, 2020, 8, e1132-e1141.	6.3	573
21	Evaluating the next generation of RSV intervention strategies: a mathematical modelling study and cost-effectiveness analysis. BMC Medicine, 2020, 18, 348.	5.5	39
22	State-level tracking of COVID-19 in the United States. Nature Communications, 2020, 11, 6189.	12.8	104
23	The potential public health consequences of COVID-19 on malaria in Africa. Nature Medicine, 2020, 26, 1411-1416.	30.7	128
24	Response to COVID-19 in South Korea and implications for lifting stringent interventions. BMC Medicine, 2020, 18, 321.	5.5	137
25	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. Journal of Travel Medicine, 2020, 27, .	3.0	5
26	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1381-1389.	9.1	171
27	Seasonal influenza vaccination in Kenya: an economic evaluation using dynamic transmission modelling. BMC Medicine, 2020, 18, 223.	5.5	11
28	The impact of COVID-19 and strategies for mitigation and suppression in low- and middle-income countries. Science, 2020, 369, 413-422.	12.6	718
29	Childhood vaccination against seasonal influenza â€" is there a risk of undesirable outcomes?. BMC Medicine, 2020, 18, 37.	5.5	0
30	Tooling-up for infectious disease transmission modelling. Epidemics, 2020, 32, 100395.	3.0	9
31	Estimates of the severity of coronavirus disease 2019: a model-based analysis. Lancet Infectious Diseases, The, 2020, 20, 669-677.	9.1	3,036
32	Forecasting the 2017/2018 seasonal influenza epidemic in England using multiple dynamic transmission models: a case study. BMC Public Health, 2020, 20, 486.	2.9	7
33	Cost-effectiveness of introducing national seasonal influenza vaccination for adults aged 60Âyears and above in mainland China: a modelling analysis. BMC Medicine, 2020, 18, 90.	5.5	24
34	Estimating the number of undetected COVID-19 cases among travellers from mainland China. Wellcome Open Research, 2020, 5, 143.	1.8	5
35	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. Nature, 2020, 584, 257-261.	27.8	2,558
36	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	1.8	62

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37	Evidence of initial success for China exiting COVID-19 social distancing policy after achieving containment. Wellcome Open Research, 2020, 5, 81.	1.8	81
38	Anonymised and aggregated crowd level mobility data from mobile phones suggests that initial compliance with COVID-19 social distancing interventions was high and geographically consistent across the UK. Wellcome Open Research, 2020, 5, 170.	1.8	58
39	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. Wellcome Open Research, 2020, 5, 288.	1.8	4
40	Introduction to particle Markov-chain Monte Carlo for disease dynamics modellers. Epidemics, 2019, 29, 100363.	3.0	53
41	Contemporary statistical inference for infectious disease models using Stan. Epidemics, 2019, 29, 100367.	3.0	51
42	Are we prepared for the next influenza pandemic? Lessons from modelling different preparedness policies against four pandemic scenarios. Journal of Theoretical Biology, 2019, 481, 223-232.	1.7	17
43	Assessing optimal use of the standard dose adjuvanted trivalent seasonal influenza vaccine in the elderly. Vaccine, 2019, 37, 2051-2056.	3.8	15
44	Control of Ebola virus disease outbreaks: Comparison of health care worker-targeted and community vaccination strategies. Epidemics, 2019, 27, 106-114.	3.0	13
45	Model-based estimates of transmission of respiratory syncytial virus within households. Epidemics, 2019, 27, 1-11.	3.0	25
46	Understanding differences in cervical cancer incidence in Western Europe: comparing Portugal and England. European Journal of Public Health, 2018, 28, 343-347.	0.3	11
47	Influenza interaction with cocirculating pathogens and its impact on surveillance, pathogenesis, and epidemic profile: A key role for mathematical modelling. PLoS Pathogens, 2018, 14, e1006770.	4.7	93
48	Effect of mass paediatric influenza vaccination on existing influenza vaccination programmes in England and Wales: a modelling and cost-effectiveness analysis. Lancet Public Health, The, 2017, 2, e74-e81.	10.0	42
49	Evaluating the frequency of asymptomatic Ebola virus infection. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160303.	4.0	16
50	The impact of stratified immunity on the transmission dynamics of influenza. Epidemics, 2017, 20, 84-93.	3.0	21
51	Estimating and modelling the transmissibility of Middle East Respiratory Syndrome CoronaVirus during the 2015 outbreak in the Republic of Korea. Influenza and Other Respiratory Viruses, 2017, 11, 434-444.	3.4	25
52	Cost-effectiveness analysis of quadrivalent seasonal influenza vaccines in England. BMC Medicine, 2017, 15, 166.	5.5	30
53	The role of human immunity and social behavior in shaping influenza evolution. PLoS Pathogens, 2017, 13, e1006432.	4.7	11
54	fluEvidenceSynthesis: An R package for evidence synthesis based analysis of epidemiological outbreaks. PLoS Computational Biology, 2017, 13, e1005838.	3.2	17

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55	Ebola exposure, illness experience, and Ebola antibody prevalence in international responders to the West African Ebola epidemic 2014–2016: A cross-sectional study. PLoS Medicine, 2017, 14, e1002300.	8.4	25
56	Seasonal influenza vaccination delivery through community pharmacists in England: evaluation of the London pilot. BMJ Open, 2016, 6, e009739.	1.9	34
57	Extending the elderly- and risk-group programme of vaccination against seasonal influenza in England and Wales: a cost-effectiveness study. BMC Medicine, 2015, 13, 236.	5.5	59
58	Ebola virus disease in the Democratic Republic of the Congo, 1976-2014. ELife, 2015, 4, .	6.0	61
59	Evaluation of the Benefits and Risks of Introducing Ebola Community Care Centers, Sierra Leone. Emerging Infectious Diseases, 2015, 21, 393-399.	4.3	54
60	Temporal Changes in Ebola Transmission in Sierra Leone and Implications for Control Requirements: a Real-time Modelling Study. PLOS Currents, 2015, 7, .	1.4	94
61	OutbreakTools: A new platform for disease outbreak analysis using the R software. Epidemics, 2014, 7, 28-34.	3.0	37
62	Transmission Potential of Rift Valley Fever Virus over the Course of the 2010 Epidemic in South Africa. Emerging Infectious Diseases, 2013, 19, 916-924.	4.3	21
63	Assessing Optimal Target Populations for Influenza Vaccination Programmes: An Evidence Synthesis and Modelling Study. PLoS Medicine, 2013, 10, e1001527.	8.4	249
64	Capturing the time-varying drivers of an epidemic using stochastic dynamical systems. Biostatistics, 2013, 14, 541-555.	1.5	83
65	Transmission of Equine Influenza Virus during an Outbreak Is Characterized by Frequent Mixed Infections and Loose Transmission Bottlenecks. PLoS Pathogens, 2012, 8, e1003081.	4.7	57
66	Health and economic impact of the seasonal influenza vaccination programme in England. Vaccine, 2012, 30, 3459-3462.	3.8	68
67	Seroprevalence of Influenza A(H1N1)pdm09 Virus Antibody, England, 2010 and 2011. Emerging Infectious Diseases, 2012, 18, 1894-7.	4.3	25
68	Different transmission patterns in the early stages of the influenza A(H1N1)v pandemic: A comparative analysis of 12 European countries. Epidemics, 2011, 3, 125-133.	3.0	38
69	Modelling the impact of local reactive school closures on critical care provision during an influenza pandemic. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2753-2760.	2.6	62
70	Age-Specific Incidence of A/H1N1 2009 Influenza Infection in England from Sequential Antibody Prevalence Data Using Likelihood-Based Estimation. PLoS ONE, 2011, 6, e17074.	2.5	58
71	Control of equine influenza: scenario testing using a realistic metapopulation model of spread. Journal of the Royal Society Interface, 2010, 7, 67-79.	3.4	54
72	Vaccination against pandemic influenza A/H1N1v in England: A real-time economic evaluation. Vaccine, 2010, 28, 2370-2384.	3.8	160

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73	The cost-effectiveness of vaccinating pregnant women against seasonal influenza in England and Wales. Vaccine, 2010, 29, 115-122.	3.8	44
74	Can Reactive School Closures help critical care provision during the current influenza pandemic?. PLOS Currents, 2009, 1, RRN1119.	1.4	8
75	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. PLOS Currents, 2009, 1, RRN1130.	1.4	76
76	How to deal with potentially huge dimensional state space: The meta-dynamics approach—application to a model of the co-evolution of bacterio-phage populations. Journal of Computational and Applied Mathematics, 2007, 205, 687-695.	2.0	1
77	Meta-dynamical adaptive systems and their applications to a fractal algorithm and a biological model. Physica D: Nonlinear Phenomena, 2005, 207, 79-90.	2.8	5
78	Reproducible parallel inference and simulation of stochastic state space models using odin, dust, and mcstate. Wellcome Open Research, 0, 5, 288.	1.8	5