Katherine E Atkins

List of Publications by Year
in descending order

65 papers	6,321 citations	172457 29 h-index	102487 66 g-index
82 all docs	82 docs citations	82 times ranked	12978 citing authors

#	Article	IF	Citations
1	Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England. Science, 2021, 372, .	12.6	2,103
2	Global, regional, and national estimates of the population at increased risk of severe COVID-19 due to underlying health conditions in 2020: a modelling study. The Lancet Global Health, 2020, 8, e1003-e1017.	6.3	760
3	Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study. Lancet Infectious Diseases, The, 2020, 20, 1151-1160.	9.1	710
4	Routine childhood immunisation during the COVID-19 pandemic in Africa: a benefitâ€“risk analysis of health benefits versus excess risk of SARS-CoV-2 infection. The Lancet Global Health, 2020, 8, e1264-e1272.	6.3	265
5	Strategies for containing Ebola in West Africa. Science, 2014, 346, 991-995.	12.6	244
6	Cholera epidemic in Yemen, 2016â€“18: an analysis of surveillance data. The Lancet Global Health, 2018, 6, e680-e690.	6.3	203
7	Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. Lancet Public Health, The, 2021, 6, e175-e183.	10.0	156
8	Seasonal influenza vaccination in China: Landscape of diverse regional reimbursement policy, and budget impact analysis. Vaccine, 2016, 34, 5724-5735.	3.8	127
9	The potential health and economic value of SARS-CoV-2 vaccination alongside physical distancing in the UK: a transmission model-based future scenario analysis and economic evaluation. Lancet Infectious Diseases, The, 2021, 21, 962-974.	9.1	117
10	Quantitative analyses and modelling to support achievement of the 2020 goals for nine neglected tropical diseases. Parasites and Vectors, 2015, 8, 630.	2.5	80
11	Social contacts, vaccination decisions and influenza in Japan. Journal of Epidemiology and Community Health, 2016, 70, 162-167.	3.7	77
12	Within-host dynamics shape antibiotic resistance in commensal bacteria. Nature Ecology and Evolution, 2019, 3, 440-449.	7.8	76
13	Use of mathematical modelling to assess the impact of vaccines on antibiotic resistance. Lancet Infectious Diseases, The, 2018, 18, e204-e213.	9.1	63
14	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	1.8	62
15	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	1.8	61
16	Stimulating Influenza Vaccination via Prosocial Motives. PLoS ONE, 2016, 11, e0159780.	2.5	53
17	Quantifying the economic cost of antibiotic resistance and the impact of related interventions: rapid methodological review, conceptual framework and recommendations for future studies. BMC Medicine, 2020, 18, 38.	5.5	52
18	Impact of the national rotavirus vaccination programme on acute gastroenteritis in England and associated costs averted. Vaccine, 2017, 35, 680-686.	3.8	51

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19	Effects of local adaptation and interspecific competition on speciesâ€™ responses to climate change. Annals of the New York Academy of Sciences, 2013, 1297, 83-97.	3.8	49
20	Impact of rotavirus vaccination on epidemiological dynamics in England and Wales. Vaccine, 2012, 30, 552-564.	3.8	48
21	Cost-Effectiveness of Pertussis Vaccination During Pregnancy in the United States. American Journal of Epidemiology, 2016, 183, 1159-1170.	3.4	43
22	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
23	Evaluating long-term effectiveness of sleeping sickness control measures in Guinea. Parasites and Vectors, 2015, 8, 550.	2.5	41
24	Evaluating the next generation of RSV intervention strategies: a mathematical modelling study and cost-effectiveness analysis. BMC Medicine, 2020, 18, 348.	5.5	39
25	Under-reporting and case fatality estimates for emerging epidemics. BMJ, The, 2015, 350, h1115-h1115.	6.0	38
26	Assessing Strategies Against Gambiense Sleeping Sickness Through Mathematical Modeling. Clinical Infectious Diseases, 2018, 66, S286-S292.	5.8	37
27	Mathematical modelling for antibiotic resistance control policy: do we know enough?. BMC Infectious Diseases, 2019, 19, 1011.	2.9	37
28	Respiratory syncytial virus seasonality and prevention strategy planning for passive immunisation of infants in low-income and middle-income countries: a modelling study. Lancet Infectious Diseases, The, 2021, 21, 1303-1312.	9.1	37
29	Cost-effectiveness of a community-based intervention for reducing the transmission of Schistosoma haematobium and HIV in Africa. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7952-7957.	7.1	35
30	Seasonal influenza vaccination delivery through community pharmacists in England: evaluation of the London pilot. BMJ Open, 2016, 6, e009739.	1.9	34
31	Potential Cost-Effectiveness of Schistosomiasis Treatment for Reducing HIV Transmission in Africa â€“ The Case of Zimbabwean Women. PLoS Neglected Tropical Diseases, 2013, 7, e2346.	3.0	33
32	Characterising within-hospital SARS-CoV-2 transmission events using epidemiological and viral genomic data across two pandemic waves. Nature Communications, 2022, 13, 671.	12.8	33
33	The cost-effectiveness of pentavalent rotavirus vaccination in England and Wales. Vaccine, 2012, 30, 6766-6776.	3.8	32
34	Evaluating Paratransgenesis as a Potential Control Strategy for African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2013, 7, e2374.	3.0	31
35	Harnessing Case Isolation and Ring Vaccination to Control Ebola. PLoS Neglected Tropical Diseases, 2015, 9, e0003794.	3.0	31
36	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

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37	Implications of the school-household network structure on SARS-CoV-2 transmission under school reopening strategies in England. Nature Communications, 2021, 12, 1942.	12.8	24
38	Estimating the impact of reopening schools on the reproduction number of SARS-CoV-2 in England, using weekly contact survey data. BMC Medicine, 2021, 19, 233.	5.5	24
39	Quantifying the public's view on social value judgments in vaccine decision-making: A discrete choice experiment. Social Science and Medicine, 2019, 228, 181-193.	3.8	23
40	Drug resistance mutations in HIV: new bioinformatics approaches and challenges. Current Opinion in Virology, 2021, 51, 56-64.	5.4	23
41	Importance of patient bed pathways and length of stay differences in predicting COVID-19 hospital bed occupancy in England. BMC Health Services Research, 2021, 21, 566.	2.2	22
42	The effectiveness of mass vaccination on Marek's disease virus (MDV) outbreaks and detection within a broiler barn: A modeling study. Epidemics, 2013, 5, 208-217.	3.0	20
43	Cellular Superspreaders: An Epidemiological Perspective on HIV Infection inside the Body. PLoS Pathogens, 2014, 10, e1004092.	4.7	20
44	Vaccination to reduce antimicrobial resistance. The Lancet Global Health, 2018, 6, e252.	6.3	20
45	Quantifying the impact of social groups and vaccination on inequalities in infectious diseases using a mathematical model. BMC Medicine, 2018, 16, 162.	5.5	19
46	Estimates for quality of life loss due to Respiratory Syncytial Virus. Influenza and Other Respiratory Viruses, 2020, 14, 19-27.	3.4	19
47	Can antibiotic resistance be reduced by vaccinating against respiratory disease?. Lancet Respiratory Medicine,the, 2018, 6, 820-821.	10.7	14
48	Cross-Cultural Household Influence on Vaccination Decisions. Medical Decision Making, 2016, 36, 844-853.	2.4	13
49	Balancing Benefits and Risks of Antibiotic Use. Journal of Infectious Diseases, 2018, 218, 1351-1353.	4.0	12
50	Acquisition of extended-spectrum beta-lactamase-producing Enterobacteriaceae (ESBL-PE) carriage after exposure to systemic antimicrobials during travel: Systematic review and meta-analysis. Travel Medicine and Infectious Disease, 2020, 37, 101823.	3.0	12
51	Number of HIV-1 founder variants is determined by the recency of the source partner infection. Science, 2020, 369, 103-108.	12.6	11
52	Within and between classroom transmission patterns of seasonal influenza among primary school students in Matsumoto city, Japan. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
53	Retrospective Analysis of the 2014â€“2015 Ebola Epidemic in Liberia. American Journal of Tropical Medicine and Hygiene, 2016, 94, 833-839.	1.4	10
54	Modeling the effect of vaccination on selection for antibiotic resistance in Streptococcus pneumonia e. Science Translational Medicine, 2021, 13, .	12.4	9

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55	Cost-Effectiveness of Rotavirus Vaccination in Franceâ€"Accounting for Indirect Protection. Value in Health, 2016, 19, 811-819.	0.3	8
56	Preface: â€˜The 2013â€"2016 West African Ebola epidemic: data, decision-making and disease controlâ€™. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20170020.	4.0	7
57	The impact of vector migration on the effectiveness of strategies to control gambiense human African trypanosomiasis. PLoS Neglected Tropical Diseases, 2019, 13, e0007903.	3.0	7
58	Effect of Pediatric Influenza Vaccination on Antibiotic Resistance, England and Wales. Emerging Infectious Diseases, 2020, 26, 138-142.	4.3	7
59	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 0, 5, 239.	1.8	5
60	Epidemiological mechanisms of genetic resistance to kuru. Journal of the Royal Society Interface, 2013, 10, 20130331.	3.4	4
61	Cost-effectiveness of live-attenuated influenza vaccination among school-age children. Vaccine, 2021, 39, 447-456.	3.8	4
62	The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model. BMC Public Health, 2022, 22, 1003.	2.9	4
63	Cost-effectiveness of next-generation vaccines: The case of pertussis. Vaccine, 2016, 34, 3405-3411.	3.8	3
64	Changing socio-economic and ethnic disparities in influenza/A/H1N1 infection early in the 2009 UK epidemic: a descriptive analysis. BMC Infectious Diseases, 2021, 21, 1243.	2.9	2
65	The 2013â€"2016 Ebola epidemic: multidisciplinary success conceals a missed opportunity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160292.	4.0	1