

Katherine E Atkins

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Characterising within-hospital SARS-CoV-2 transmission events using epidemiological and viral genomic data across two pandemic waves. <i>Nature Communications</i> , 2022, 13, 671. | 12.8 | 33 |
| 2 | The impact of COVID-19 vaccination in prisons in England and Wales: a metapopulation model. <i>BMC Public Health</i> , 2022, 22, 1003. | 2.9 | 4 |
| 3 | Cost-effectiveness of live-attenuated influenza vaccination among school-age children. <i>Vaccine</i> , 2021, 39, 447-456. | 3.8 | 4 |
| 4 | Implications of the school-household network structure on SARS-CoV-2 transmission under school reopening strategies in England. <i>Nature Communications</i> , 2021, 12, 1942. | 12.8 | 24 |
| 5 | Quarantine and testing strategies in contact tracing for SARS-CoV-2: a modelling study. <i>Lancet Public Health</i> , The, 2021, 6, e175-e183. | 10.0 | 156 |
| 6 | Estimated transmissibility and impact of SARS-CoV-2 lineage B.1.1.7 in England. <i>Science</i> , 2021, 372, . | 12.6 | 2,103 |
| 7 | Importance of patient bed pathways and length of stay differences in predicting COVID-19 hospital bed occupancy in England. <i>BMC Health Services Research</i> , 2021, 21, 566. | 2.2 | 22 |
| 8 | 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. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 962-974. | 9.1 | 117 |
| 9 | Modeling the effect of vaccination on selection for antibiotic resistance in <i>Streptococcus pneumoniae</i> . <i>Science Translational Medicine</i> , 2021, 13, . | 12.4 | 9 |
| 10 | Estimating the impact of reopening schools on the reproduction number of SARS-CoV-2 in England, using weekly contact survey data. <i>BMC Medicine</i> , 2021, 19, 233. | 5.5 | 24 |
| 11 | Respiratory syncytial virus seasonality and prevention strategy planning for passive immunisation of infants in low-income and middle-income countries: a modelling study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 1303-1312. | 9.1 | 37 |
| 12 | Drug resistance mutations in HIV: new bioinformatics approaches and challenges. <i>Current Opinion in Virology</i> , 2021, 51, 56-64. | 5.4 | 23 |
| 13 | Within and between classroom transmission patterns of seasonal influenza among primary school students in Matsumoto city, Japan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 11 |
| 14 | Changing socio-economic and ethnic disparities in influenza A/H1N1 infection early in the 2009 UK epidemic: a descriptive analysis. <i>BMC Infectious Diseases</i> , 2021, 21, 1243. | 2.9 | 2 |
| 15 | Estimates for quality of life loss due to Respiratory Syncytial Virus. <i>Influenza and Other Respiratory Viruses</i> , 2020, 14, 19-27. | 3.4 | 19 |
| 16 | Effect of Pediatric Influenza Vaccination on Antibiotic Resistance, England and Wales. <i>Emerging Infectious Diseases</i> , 2020, 26, 138-142. | 4.3 | 7 |
| 17 | Evaluating the next generation of RSV intervention strategies: a mathematical modelling study and cost-effectiveness analysis. <i>BMC Medicine</i> , 2020, 18, 348. | 5.5 | 39 |
| 18 | Routine childhood immunisation during the COVID-19 pandemic in Africa: a benefit-risk analysis of health benefits versus excess risk of SARS-CoV-2 infection. <i>The Lancet Global Health</i> , 2020, 8, e1264-e1272. | 6.3 | 265 |

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|----|---|------|-----------|
| 19 | Acquisition of extended-spectrum beta-lactamase-producing Enterobacteriaceae (ESBL-PE) carriage after exposure to systemic antimicrobials during travel: Systematic review and meta-analysis. <i>Travel Medicine and Infectious Disease</i> , 2020, 37, 101823. | 3.0 | 12 |
| 20 | Effectiveness of isolation, testing, contact tracing, and physical distancing on reducing transmission of SARS-CoV-2 in different settings: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1151-1160. | 9.1 | 710 |
| 21 | 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. <i>The Lancet Global Health</i> , 2020, 8, e1003-e1017. | 6.3 | 760 |
| 22 | Quantifying the economic cost of antibiotic resistance and the impact of related interventions: rapid methodological review, conceptual framework and recommendations for future studies. <i>BMC Medicine</i> , 2020, 18, 38. | 5.5 | 52 |
| 23 | Number of HIV-1 founder variants is determined by the recency of the source partner infection. <i>Science</i> , 2020, 369, 103-108. | 12.6 | 11 |
| 24 | Cost-effectiveness of introducing national seasonal influenza vaccination for adults aged 60 years and above in mainland China: a modelling analysis. <i>BMC Medicine</i> , 2020, 18, 90. | 5.5 | 24 |
| 25 | Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. <i>Wellcome Open Research</i> , 2020, 5, 239. | 1.8 | 61 |
| 26 | Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. <i>Wellcome Open Research</i> , 2020, 5, 239. | 1.8 | 62 |
| 27 | Quantifying the public's view on social value judgments in vaccine decision-making: A discrete choice experiment. <i>Social Science and Medicine</i> , 2019, 228, 181-193. | 3.8 | 23 |
| 28 | Within-host dynamics shape antibiotic resistance in commensal bacteria. <i>Nature Ecology and Evolution</i> , 2019, 3, 440-449. | 7.8 | 76 |
| 29 | Mathematical modelling for antibiotic resistance control policy: do we know enough?. <i>BMC Infectious Diseases</i> , 2019, 19, 1011. | 2.9 | 37 |
| 30 | The impact of vector migration on the effectiveness of strategies to control gambiense human African trypanosomiasis. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007903. | 3.0 | 7 |
| 31 | Vaccination to reduce antimicrobial resistance. <i>The Lancet Global Health</i> , 2018, 6, e252. | 6.3 | 20 |
| 32 | Use of mathematical modelling to assess the impact of vaccines on antibiotic resistance. <i>Lancet Infectious Diseases</i> , The, 2018, 18, e204-e213. | 9.1 | 63 |
| 33 | Quantifying the impact of social groups and vaccination on inequalities in infectious diseases using a mathematical model. <i>BMC Medicine</i> , 2018, 16, 162. | 5.5 | 19 |
| 34 | Assessing Strategies Against Gambiense Sleeping Sickness Through Mathematical Modeling. <i>Clinical Infectious Diseases</i> , 2018, 66, S286-S292. | 5.8 | 37 |
| 35 | Cholera epidemic in Yemen, 2016-18: an analysis of surveillance data. <i>The Lancet Global Health</i> , 2018, 6, e680-e690. | 6.3 | 203 |
| 36 | Can antibiotic resistance be reduced by vaccinating against respiratory disease?. <i>Lancet Respiratory Medicine</i> , the, 2018, 6, 820-821. | 10.7 | 14 |

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|----|--|------|-----------|
| 37 | Balancing Benefits and Risks of Antibiotic Use. <i>Journal of Infectious Diseases</i> , 2018, 218, 1351-1353. | 4.0 | 12 |
| 38 | Effect of mass paediatric influenza vaccination on existing influenza vaccination programmes in England and Wales: a modelling and cost-effectiveness analysis. <i>Lancet Public Health</i> , The, 2017, 2, e74-e81. | 10.0 | 42 |
| 39 | Preface: "The 2013-2016 West African Ebola epidemic: data, decision-making and disease control". <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20170020. | 4.0 | 7 |
| 40 | The 2013-2016 Ebola epidemic: multidisciplinary success conceals a missed opportunity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160292. | 4.0 | 1 |
| 41 | Impact of the national rotavirus vaccination programme on acute gastroenteritis in England and associated costs averted. <i>Vaccine</i> , 2017, 35, 680-686. | 3.8 | 51 |
| 42 | Stimulating Influenza Vaccination via Prosocial Motives. <i>PLoS ONE</i> , 2016, 11, e0159780. | 2.5 | 53 |
| 43 | Seasonal influenza vaccination delivery through community pharmacists in England: evaluation of the London pilot. <i>BMJ Open</i> , 2016, 6, e009739. | 1.9 | 34 |
| 44 | Seasonal influenza vaccination in China: Landscape of diverse regional reimbursement policy, and budget impact analysis. <i>Vaccine</i> , 2016, 34, 5724-5735. | 3.8 | 127 |
| 45 | Cost-effectiveness of next-generation vaccines: The case of pertussis. <i>Vaccine</i> , 2016, 34, 3405-3411. | 3.8 | 3 |
| 46 | Retrospective Analysis of the 2014-2015 Ebola Epidemic in Liberia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 94, 833-839. | 1.4 | 10 |
| 47 | Cost-Effectiveness of Rotavirus Vaccination in France "Accounting for Indirect Protection. <i>Value in Health</i> , 2016, 19, 811-819. | 0.3 | 8 |
| 48 | Social contacts, vaccination decisions and influenza in Japan. <i>Journal of Epidemiology and Community Health</i> , 2016, 70, 162-167. | 3.7 | 77 |
| 49 | Cost-Effectiveness of Pertussis Vaccination During Pregnancy in the United States. <i>American Journal of Epidemiology</i> , 2016, 183, 1159-1170. | 3.4 | 43 |
| 50 | Cross-Cultural Household Influence on Vaccination Decisions. <i>Medical Decision Making</i> , 2016, 36, 844-853. | 2.4 | 13 |
| 51 | Quantitative analyses and modelling to support achievement of the 2020 goals for nine neglected tropical diseases. <i>Parasites and Vectors</i> , 2015, 8, 630. | 2.5 | 80 |
| 52 | Evaluating long-term effectiveness of sleeping sickness control measures in Guinea. <i>Parasites and Vectors</i> , 2015, 8, 550. | 2.5 | 41 |
| 53 | Under-reporting and case fatality estimates for emerging epidemics. <i>BMJ</i> , The, 2015, 350, h1115-h1115. | 6.0 | 38 |
| 54 | Harnessing Case Isolation and Ring Vaccination to Control Ebola. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003794. | 3.0 | 31 |

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|----|--|------|-----------|
| 55 | Cellular Superspreaders: An Epidemiological Perspective on HIV Infection inside the Body. PLoS Pathogens, 2014, 10, e1004092. | 4.7 | 20 |
| 56 | Strategies for containing Ebola in West Africa. Science, 2014, 346, 991-995. | 12.6 | 244 |
| 57 | Epidemiological mechanisms of genetic resistance to kuru. Journal of the Royal Society Interface, 2013, 10, 20130331. | 3.4 | 4 |
| 58 | Cost-effectiveness of a community-based intervention for reducing the transmission of <i>Schistosoma haematobium</i> and HIV in Africa. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7952-7957. | 7.1 | 35 |
| 59 | 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 |
| 60 | Effects of local adaptation and interspecific competition on species' responses to climate change. Annals of the New York Academy of Sciences, 2013, 1297, 83-97. | 3.8 | 49 |
| 61 | Potential Cost-Effectiveness of Schistosomiasis Treatment for Reducing HIV Transmission in Africa – The Case of Zimbabwean Women. PLoS Neglected Tropical Diseases, 2013, 7, e2346. | 3.0 | 33 |
| 62 | Evaluating Paratransgenesis as a Potential Control Strategy for African Trypanosomiasis. PLoS Neglected Tropical Diseases, 2013, 7, e2374. | 3.0 | 31 |
| 63 | The cost-effectiveness of pentavalent rotavirus vaccination in England and Wales. Vaccine, 2012, 30, 6766-6776. | 3.8 | 32 |
| 64 | Impact of rotavirus vaccination on epidemiological dynamics in England and Wales. Vaccine, 2012, 30, 552-564. | 3.8 | 48 |
| 65 | Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 0, 5, 239. | 1.8 | 5 |