Kathleen M O'reilly

List of Publications by Year
in descending order

38 papers	1,464 citations	361388 20 h-index	361001 35 g-index
40 all docs	40 docs citations	40 times ranked	2560 citing authors

#	Article	IF	Citations
1	New Routes to Phylogeography: A Bayesian Structured Coalescent Approximation. PLoS Genetics, 2015, 11, e1005421.	3.5	216
2	Global yellow fever vaccination coverage from 1970 to 2016: an adjusted retrospective analysis. Lancet Infectious Diseases, The, 2017, 17, 1209-1217.	9.1	128
3	Evolving epidemiology of poliovirus serotype 2 following withdrawal of the serotype 2 oral poliovirus vaccine. Science, 2020, 368, 401-405.	12.6	105
4	Effective transmission across the globe: the role of climate in COVID-19 mitigation strategies. Lancet Planetary Health, The, 2020, 4, e172.	11.4	84
5	Combined effects of hydrometeorological hazards and urbanisation on dengue risk in Brazil: a spatiotemporal modelling study. Lancet Planetary Health, The, 2021, 5, e209-e219.	11.4	67
6	Response strategies for COVID-19 epidemics in African settings: a mathematical modelling study. BMC Medicine, 2020, 18, 324.	5.5	66
7	A cross-sectional analysis of meteorological factors and SARS-CoV-2 transmission in 409 cities across 26 countries. Nature Communications, 2021, 12, 5968.	12.8	66
8	Estimating the minimum number of SARS-CoV-2 infected cases needed to detect viral RNA in wastewater: To what extent of the outbreak can surveillance of wastewater tell us?. Environmental Research, 2021, 195, 110748.	7.5	64
9	The effect of mass immunisation campaigns and new oral poliovirus vaccines on the incidence of poliomyelitis in Pakistan and Afghanistan, 2001â€"11: a retrospective analysis. Lancet, The, 2012, 380, 491-498.	13.7	53
10	Projecting the end of the Zika virus epidemic in Latin America: a modelling analysis. BMC Medicine, 2018, 16, 180.	5.5	53
11	Transport networks and inequities in vaccination: remoteness shapes measles vaccine coverage and prospects for elimination across Africa. Epidemiology and Infection, 2015, 143, 1457-1466.	2.1	51
12	Impact of inactivated poliovirus vaccine on mucosal immunity: implications for the polio eradication endgame. Expert Review of Vaccines, 2015, 14, 1113-1123.	4.4	51
13	The challenges of informative wastewater sampling for SARS-CoV-2 must be met: lessons from polio eradication. Lancet Microbe, The, 2020, 1, e189-e190.	7.3	47
14	Projected early spread of COVID-19 in Africa through 1 June 2020. Eurosurveillance, 2020, 25, .	7.0	41
15	Estimating the burden of dengue and the impact of release of wMel Wolbachia-infected mosquitoes in Indonesia: a modelling study. BMC Medicine, 2019, 17, 172.	5.5	38
16	Routine immunization in Pakistan: comparison of multiple data sources and identification of factors associated with vaccination. International Health, 2018, 10, 84-91.	2.0	31
17	Investigation of risk factors for clinical mastitis in British dairy herds with bulk milk somatic cell counts less than 150,000 cells/ml. Veterinary Record, 2006, 158, 649-653.	0.3	29
18	A Statistical Model of the International Spread of Wild Poliovirus in Africa Used to Predict and Prevent Outbreaks. PLoS Medicine, 2011, 8, e1001109.	8.4	29

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19	Vaccine schedules and the effect on humoral and intestinal immunity against poliovirus: a systematic review and network meta-analysis. Lancet Infectious Diseases, The, 2019, 19, 1121-1128.	9.1	26
20	The cost-effectiveness of controlling dengue in Indonesia using wMel Wolbachia released at scale: a modelling study. BMC Medicine, 2020, 18, 186.	5.5	24
21	Factors associated with preweaning mortality on commercial pig farms in England and Wales. Veterinary Record, 2006, 159, 193-196.	0.3	21
22	Parameter estimation and simulations of a mathematical model of Corynebacterium pseudotuberculosis transmission in sheep. Preventive Veterinary Medicine, 2008, 83, 242-259.	1.9	19
23	Risk factors and short-term projections for serotype-1 poliomyelitis incidence in Pakistan: A spatiotemporal analysis. PLoS Medicine, 2017, 14, e1002323.	8.4	19
24	Predicted norovirus resurgence in 2021â€"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
25	An assessment of the geographical risks of wild and vaccine-derived poliomyelitis outbreaks in Africa and Asia. BMC Infectious Diseases, 2017, 17, 367.	2.9	17
26	Population sensitivity of acute flaccid paralysis and environmental surveillance for serotype 1 poliovirus in Pakistan: an observational study. BMC Infectious Diseases, 2018, 18, 176.	2.9	17
27	Population Immunity against Serotype-2 Poliomyelitis Leading up to the Global Withdrawal of the Oral Poliovirus Vaccine: Spatio-temporal Modelling of Surveillance Data. PLoS Medicine, 2016, 13, e1002140.	8.4	15
28	Associations between the Presence of Virulence Determinants and the Epidemiology and Ecology of Zoonotic *Escherichia coli*. Applied and Environmental Microbiology, 2010, 76, 8110-8116.	3.1	13
29	ZikaPLAN: addressing the knowledge gaps and working towards a research preparedness network in the Americas. Global Health Action, 2019, 12, 1666566.	1.9	13
30	A New Method for Estimating the Coverage of Mass Vaccination Campaigns Against Poliomyelitis From Surveillance Data. American Journal of Epidemiology, 2015, 182, 961-970.	3.4	9
31	Tooling-up for infectious disease transmission modelling. Epidemics, 2020, 32, 100395.	3.0	9
32	The control of Corynebacterium pseudotuberculosis infection in sheep flocks: A mathematical model of the impact of vaccination, serological testing, clinical examination and lancing of abscesses. Preventive Veterinary Medicine, 2010, 95, 115-126.	1.9	5
33	Surveillance optimisation to detect poliovirus in the pre-eradication era: a modelling study of England and Wales. Epidemiology and Infection, 2020, 148, e157.	2.1	5
34	Desirable BUGS in models of infectious diseases. Epidemics, 2019, 29, 100361.	3.0	3
35	The impact of surveillance and other factors on detection of emergent and circulating vaccine derived polioviruses. Gates Open Research, 2021, 5, 94.	1.1	2
36	Real-time prediction model of cVDPV2 outbreaks to aid outbreak response vaccination strategies. Vaccine, 2023, 41, A105-A112.	3.8	2

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37	Understanding commitment to polio vaccination. Lancet Infectious Diseases, The, 2017, 17, 1103-1104.	9.1	0
38	The impact of surveillance and other factors on detection of emergent and circulating vaccine derived polioviruses. Gates Open Research, 0, 5, 94.	1.1	0