

Christl A Donnelly

List of Publications by Year in Descending Order

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Version: 2024-04-23

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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.

382
papers

29,736
citations

73
h-index

165
g-index

419
ext. papers

36,672
ext. citations

12.1
avg, IF

6.75
L-index

#	Paper	IF	Citations
382	SARS-CoV-2 infection and vaccine effectiveness in England (REACT-1): a series of cross-sectional random community surveys.. <i>Lancet Respiratory Medicine</i> , 2022 ,	35.1	7
381	Rapid increase in Omicron infections in England during December 2021: REACT-1 study.. <i>Science</i> , 2022 , 375, eabn8347	33.3	11
380	Population antibody responses following COVID-19 vaccination in 212,102 individuals.. <i>Nature Communications</i> , 2022 , 13, 907	17.4	8
379	Global, regional, and national minimum estimates of children affected by COVID-19-associated orphanhood and caregiver death, by age and family circumstance up to Oct 31, 2021: an updated modelling study.. <i>The Lancet Child and Adolescent Health</i> , 2022 ,	14.5	5
378	Clinical characteristics, risk factors and outcomes in patients with severe COVID-19 registered in the International Severe Acute Respiratory and Emerging Infection Consortium WHO clinical characterisation protocol: a prospective, multinational, multicentre, observational study.. <i>ERJ Open Research</i> , 2022 , 8,	3.5	8
377	Fundamental limits on inferring epidemic resurgence in real time using effective reproduction numbers.. <i>PLoS Computational Biology</i> , 2022 , 18, e1010004	5	1
376	Breakthrough SARS-CoV-2 infections in double and triple vaccinated adults and single dose vaccine effectiveness among children in Autumn 2021 in England: REACT-1 study.. <i>EclinicalMedicine</i> , 2022 , 48, 101419	11.3	0
375	Analysis of a double Poisson model for predicting football results in Euro 2020.. <i>PLoS ONE</i> , 2022 , 17, e0268511	3.7	0
374	A Comparative Analysis of Statistical Methods to Estimate the Reproduction Number in Emerging Epidemics, With Implications for the Current Coronavirus Disease 2019 (COVID-19) Pandemic. <i>Clinical Infectious Diseases</i> , 2021 , 73, e215-e223	11.6	11
373	Exponential growth, high prevalence of SARS-CoV-2, and vaccine effectiveness associated with the Delta variant. <i>Science</i> , 2021 , 374, eabl9551	33.3	31
372	Communicating uncertainty in epidemic models. <i>Epidemics</i> , 2021 , 37, 100520	5.1	2
371	Ten months of temporal variation in the clinical journey of hospitalised patients with COVID-19: an observational cohort. <i>ELife</i> , 2021 , 10,	8.9	4
370	Transmission of community- and hospital-acquired SARS-CoV-2 in hospital settings in the UK: A cohort study. <i>PLoS Medicine</i> , 2021 , 18, e1003816	11.6	5
369	Disease transmission and control modelling at the science-policy interface.. <i>Interface Focus</i> , 2021 , 11, 20210013	3.9	1
368	Estimating vaccination threshold and impact in the 2017-2019 hepatitis A virus outbreak among persons experiencing homelessness or who use drugs in Louisville, Kentucky, United States. <i>Vaccine</i> , 2021 , 39, 7182-7190	4.1	1
367	COVID-19-Associated Orphanhood and Caregiver Death in the United States. <i>Pediatrics</i> , 2021 ,	7.4	33
366	A Quantitative Framework for Defining the End of an Infectious Disease Outbreak: Application to Ebola Virus Disease. <i>American Journal of Epidemiology</i> , 2021 , 190, 642-651	3.8	10

365	Successive use of shared space by badgers and cattle: implications for Mycobacterium bovis transmission. <i>Journal of Zoology</i> , 2021 , 314, 132-142	2	0
364	Better educational signage could reduce disturbance of resting dolphins. <i>PLoS ONE</i> , 2021 , 16, e0248732	3.7	0
363	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
362	Genetic evidence for the association between COVID-19 epidemic severity and timing of non-pharmaceutical interventions. <i>Nature Communications</i> , 2021 , 12, 2188	17.4	11
361	Resurgence of SARS-CoV-2: Detection by community viral surveillance. <i>Science</i> , 2021 , 372, 990-995	33.3	36
360	Interventions targeting non-symptomatic cases can be important to prevent local outbreaks: SARS-CoV-2 as a case study. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20201014	4.1	5
359	Prevalence of antibody positivity to SARS-CoV-2 following the first peak of infection in England: Serial cross-sectional studies of 365,000 adults. <i>Lancet Regional Health - Europe, The</i> , 2021 , 4, 100098		46
358	Descriptive analysis of surveillance data for Zika virus disease and Zika virus-associated neurological complications in Colombia, 2015-2017. <i>PLoS ONE</i> , 2021 , 16, e0252236	3.7	2
357	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
356	SARS-CoV-2 antibody dynamics and transmission from community-wide serological testing in the Italian municipality of VoR. <i>Nature Communications</i> , 2021 , 12, 4383	17.4	12
355	Modelling the influence of naturally acquired immunity from subclinical infection on outbreak dynamics and persistence of rabies in domestic dogs. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009581	4.8	1
354	COVID-19 and the difficulty of inferring epidemiological parameters from clinical data - AuthorsR reply. <i>Lancet Infectious Diseases, The</i> , 2021 , 21, 28	25.5	6
353	Serial interval distribution of SARS-CoV-2 infection in Brazil. <i>Journal of Travel Medicine</i> , 2021 , 28,	12.9	15
352	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
351	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
350	SARS-CoV-2 antibody prevalence in England following the first peak of the pandemic. <i>Nature Communications</i> , 2021 , 12, 905	17.4	80
349	Reduction in mobility and COVID-19 transmission. <i>Nature Communications</i> , 2021 , 12, 1090	17.4	142
348	Early Transmission Dynamics, Spread, and Genomic Characterization of SARS-CoV-2 in Panama. <i>Emerging Infectious Diseases</i> , 2021 , 27, 612-615	10.2	13

347	Spatial and temporal invasion dynamics of the 2014-2017 Zika and chikungunya epidemics in Colombia. <i>PLoS Computational Biology</i> , 2021 , 17, e1009174	5	1
346	Global minimum estimates of children affected by COVID-19-associated orphanhood and deaths of caregivers: a modelling study. <i>Lancet, The</i> , 2021 , 398, 391-402	40	64
345	Reservoir dynamics of rabies in south-east Tanzania and the roles of cross-species transmission and domestic dog vaccination.. <i>Journal of Applied Ecology</i> , 2021 , 58, 2673-2685	5.8	1
344	Comparing the responses of the UK, Sweden and Denmark to COVID-19 using counterfactual modelling. <i>Scientific Reports</i> , 2021 , 11, 16342	4.9	5
343	Comparison of machine learning methods for estimating case fatality ratios: An Ebola outbreak simulation study. <i>PLoS ONE</i> , 2021 , 16, e0257005	3.7	0
342	Identifying counties at risk of high overdose mortality burden during the emerging fentanyl epidemic in the USA: a predictive statistical modelling study. <i>Lancet Public Health, The</i> , 2021 , 6, e720-e728	22.4	6
341	Geographical drivers and climate-linked dynamics of Lassa fever in Nigeria. <i>Nature Communications</i> , 2021 , 12, 5759	17.4	4
340	Deciphering early-warning signals of SARS-CoV-2 elimination and resurgence from limited data at multiple scales.. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210569	4.1	3
339	Host or pathogen-related factors in COVID-19 severity? - AuthorsReply. <i>Lancet, The</i> , 2020 , 396, 1397	40	2
338	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
337	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet, The</i> , 2020 , 395, e110-e111	41	53
336	Creating a Framework for Conducting Randomized Clinical Trials during Disease Outbreaks. <i>New England Journal of Medicine</i> , 2020 , 382, 1366-1369	59.2	47
335	Using information theory to optimise epidemic models for real-time prediction and estimation. <i>PLoS Computational Biology</i> , 2020 , 16, e1007990	5	16
334	A systemic approach to assess the potential and risks of wildlife culling for infectious disease control. <i>Communications Biology</i> , 2020 , 3, 353	6.7	13
333	Spatiotemporal variability in case fatality ratios for the 2013-2016 Ebola epidemic in West Africa. <i>International Journal of Infectious Diseases</i> , 2020 , 93, 48-55	10.5	2
332	Rabies virus-neutralising antibodies in healthy, unvaccinated individuals: What do they mean for rabies epidemiology?. <i>PLoS Neglected Tropical Diseases</i> , 2020 , 14, e0007933	4.8	23
331	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
330	Estimating the number of undetected COVID-19 cases among travellers from mainland China. <i>Wellcome Open Research</i> , 2020 , 5, 143	4.8	3

329	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
328	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
327	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. <i>Wellcome Open Research</i> , 2020 , 5, 170	4.8	36
326	REal-time Assessment of Community Transmission (REACT) of SARS-CoV-2 virus: Study protocol. <i>Wellcome Open Research</i> , 2020 , 5, 200	4.8	51
325	An exact method for quantifying the reliability of end-of-epidemic declarations in real time. <i>PLoS Computational Biology</i> , 2020 , 16, e1008478	5	16
324	Endemic and Epidemic Human Alphavirus Infections in Eastern Panama: An Analysis of Population-Based Cross-Sectional Surveys. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 2429-2437	3.2	5
323	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020 , 584, 257-261	50.4	1469
322	Preparedness for emerging epidemic threats: a Lancet Infectious Diseases Commission. <i>Lancet Infectious Diseases</i> , 2020 , 20, 17-19	25.5	29
321	An assessment of risk compensation and spillover behavioural adaptations associated with the use of vaccines in animal disease management. <i>Vaccine</i> , 2020 , 38, 1065-1075	4.1	1
320	Clinical and Serological Findings of Madariaga and Venezuelan Equine Encephalitis Viral Infections: A Follow-up Study 5 Years After an Outbreak in Panama. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa359 ¹		4
319	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
318	Inference of COVID-19 epidemiological distributions from Brazilian hospital data. <i>Journal of the Royal Society Interface</i> , 2020 , 17, 20200596	4.1	10
317	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , 2020 , 11, 6189	17.4	54
316	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of VoR. <i>Nature</i> , 2020 , 584, 425-429	50.4	631
315	Zoonotic host diversity increases in human-dominated ecosystems. <i>Nature</i> , 2020 , 584, 398-402	50.4	241
314	Key questions for modelling COVID-19 exit strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201405	4.4	65
313	Rabies as a Public Health Concern in India-A Historical Perspective. <i>Tropical Medicine and Infectious Disease</i> , 2020 , 5,	3.5	5
312	Response to COVID-19 in South Korea and implications for lifting stringent interventions. <i>BMC Medicine</i> , 2020 , 18, 321	11.4	66

311	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	4
310	Adaptive Estimation for Epidemic Renewal and Phylogenetic Skyline Models. <i>Systematic Biology</i> , 2020 , 69, 1163-1179	8.4	14
309	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , 2020 , 20, 1381-1389	25.5	102
308	REal-time Assessment of Community Transmission (REACT) of SARS-CoV-2 virus: Study protocol. <i>Wellcome Open Research</i> , 2020 , 5, 200	4.8	20
307	Case Fatality Ratio Estimates for the 2013-2016 West African Ebola Epidemic: Application of Boosted Regression Trees for Imputation. <i>Clinical Infectious Diseases</i> , 2020 , 70, 2476-2483	11.6	13
306	Estimating the number of undetected COVID-19 cases among travellers from mainland China. <i>Wellcome Open Research</i> , 2020 , 5, 143	4.8	2
305	Using information theory to optimise epidemic models for real-time prediction and estimation 2020 , 16, e1007990		
304	Using information theory to optimise epidemic models for real-time prediction and estimation 2020 , 16, e1007990		
303	Using information theory to optimise epidemic models for real-time prediction and estimation 2020 , 16, e1007990		
302	Using information theory to optimise epidemic models for real-time prediction and estimation 2020 , 16, e1007990		
301	Using information theory to optimise epidemic models for real-time prediction and estimation 2020 , 16, e1007990		
300	Using information theory to optimise epidemic models for real-time prediction and estimation 2020 , 16, e1007990		
299	Worldwide Reduction in MERS Cases and Deaths since 2016. <i>Emerging Infectious Diseases</i> , 2019 , 25, 1758-1760	17.6	44
298	The social, physical and economic impact of lymphedema and hydrocele: a matched cross-sectional study in rural Nigeria. <i>BMC Infectious Diseases</i> , 2019 , 19, 332	4	5
297	Genetic and spatial characterization of the red fox (<i>Vulpes vulpes</i>) population in the area stretching between the Eastern and Dinaric Alps and its relationship with rabies and canine distemper dynamics. <i>PLoS ONE</i> , 2019 , 14, e0213515	3.7	7
296	Uncooked fish consumption among those at risk of <i>Opisthorchis viverrini</i> infection in central Thailand. <i>PLoS ONE</i> , 2019 , 14, e0211540	3.7	8
295	Design of vaccine efficacy trials during public health emergencies. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	26
294	Assessing effects from four years of industry-led badger culling in England on the incidence of bovine tuberculosis in cattle, 2013-2017. <i>Scientific Reports</i> , 2019 , 9, 14666	4.9	19

293	Mapping the baseline prevalence of lymphatic filariasis across Nigeria. <i>Parasites and Vectors</i> , 2019 , 12, 440	4	3
292	Effect of culling on individual badger behaviour: Potential implications for bovine tuberculosis transmission. <i>Journal of Applied Ecology</i> , 2019 , 56, 2390-2399	5.8	8
291	Risk of yellow fever virus importation into the United States from Brazil, outbreak years 2016-2017 and 2017-2018. <i>Scientific Reports</i> , 2019 , 9, 20420	4.9	1
290	A simple approach to measure transmissibility and forecast incidence. <i>Epidemics</i> , 2018 , 22, 29-35	5.1	41
289	Computational modelling for decision-making: where, why, what, who and how. <i>Royal Society Open Science</i> , 2018 , 5, 172096	3.3	37
288	Four principles to make evidence synthesis more useful for policy. <i>Nature</i> , 2018 , 558, 361-364	50.4	68
287	Cluster-Randomized Test-Negative Design Trials: A Novel and Efficient Method to Assess the Efficacy of Community-Level Dengue Interventions. <i>American Journal of Epidemiology</i> , 2018 , 187, 2021-2028	3.8	12
286	epiflows: an R package for risk assessment of travel-related spread of disease. <i>F1000Research</i> , 2018 , 7, 1374	3.6	4
285	Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980-2017: a systematic analysis for the Global Burden of Disease Study 2017. <i>Lancet, The</i> , 2018 , 392, 1736-1788	40	2850
284	Potential inconsistencies in Zika surveillance data and our understanding of risk during pregnancy. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006991	4.8	13
283	Environmental suitability for lymphatic filariasis in Nigeria. <i>Parasites and Vectors</i> , 2018 , 11, 513	4	16
282	Refined efficacy estimates of the Sanofi Pasteur dengue vaccine CYD-TDV using machine learning. <i>Nature Communications</i> , 2018 , 9, 3644	17.4	12
281	Outbreak of Ebola virus disease in the Democratic Republic of the Congo, April-May, 2018: an epidemiological study. <i>Lancet, The</i> , 2018 , 392, 213-221	40	66
280	Assessing the interruption of the transmission of human helminths with mass drug administration alone: optimizing the design of cluster randomized trials. <i>Parasites and Vectors</i> , 2017 , 10, 93	4	33
279	Heterogeneities in the case fatality ratio in the West African Ebola outbreak 2013-2016. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	66
278	Key data for outbreak evaluation: building on the Ebola experience. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017 , 372,	5.8	52
277	Use of farm buildings by wild badgers: implications for the transmission of bovine tuberculosis. <i>European Journal of Wildlife Research</i> , 2017 , 63, 1	2	6
276	Ranging behaviour of badgers Meles meles vaccinated with Bacillus Calmette Guerin. <i>Journal of Applied Ecology</i> , 2017 , 54, 718-725	5.8	8

275	Interpreting ambiguous Race-Results in Schistosoma mansoni CCA Tests: Estimating sensitivity and specificity of ambiguous results with no gold standard. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0006102	4.8	12
274	Global, regional, and national under-5 mortality, adult mortality, age-specific mortality, and life expectancy, 1970-2016: a systematic analysis for the Global Burden of Disease Study 2016. <i>Lancet, The</i> , 2017 , 390, 1084-1150	40	421
273	Assessing the effects of the first 2½ years of industry-led badger culling in England on the incidence of bovine tuberculosis in cattle in 2013-2015. <i>Ecology and Evolution</i> , 2017 , 7, 7213-7230	2.8	20
272	Early warning of footpad dermatitis and hockburn in broiler chicken flocks using optical flow, bodyweight and water consumption. <i>Veterinary Record</i> , 2017 , 180, 499	0.9	31
271	International risk of yellow fever spread from the ongoing outbreak in Brazil, December 2016 to May 2017. <i>Eurosurveillance</i> , 2017 , 22,	19.8	32
270	EPIDEMIOLOGY. Countering the Zika epidemic in Latin America. <i>Science</i> , 2016 , 353, 353-4	33.3	191
269	Ebola Virus Disease among Male and Female Persons in West Africa. <i>New England Journal of Medicine</i> , 2016 , 374, 96-8	59.2	48
268	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. <i>PLoS Medicine</i> , 2016 , 13, e1002170	11.6	56
267	Faster Detection of Poliomyelitis Outbreaks to Support Polio Eradication. <i>Emerging Infectious Diseases</i> , 2016 , 22, 449-56	10.2	12
266	Localised Badger Culling Increases Risk of Herd Breakdown on Nearby, Not Focal, Land. <i>PLoS ONE</i> , 2016 , 11, e0164618	3.7	5
265	Revealing the Micro-scale Signature of Endemic Zoonotic Disease Transmission in an African Urban Setting. <i>PLoS Pathogens</i> , 2016 , 12, e1005525	7.6	45
264	Contact transmission of influenza virus between ferrets imposes a looser bottleneck than respiratory droplet transmission allowing propagation of antiviral resistance. <i>Scientific Reports</i> , 2016 , 6, 29793	4.9	35
263	A Meta-Analysis of Serological Response Associated with Yellow Fever Vaccination. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016 , 95, 1435-1439	3.2	22
262	How would a decision to leave the European Union affect medical research and health in the United Kingdom?. <i>Journal of the Royal Society of Medicine</i> , 2016 , 109, 216-218	2.3	2
261	Unraveling the drivers of MERS-CoV transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 9081-6	11.5	72
260	Badgers prefer cattle pasture but avoid cattle: implications for bovine tuberculosis control. <i>Ecology Letters</i> , 2016 , 19, 1201-8	10	44
259	After Ebola in West Africa--Unpredictable Risks, Preventable Epidemics. <i>New England Journal of Medicine</i> , 2016 , 375, 587-96	59.2	172
258	Modelling the immunological response to a tetravalent dengue vaccine from multiple phase-2 trials in Latin America and South East Asia. <i>Vaccine</i> , 2015 , 33, 3746-51	4.1	31

257	West African Ebola epidemic after one year--slowing but not yet under control. <i>New England Journal of Medicine</i> , 2015 , 372, 584-7	59.2	153
256	Ebola virus disease among children in West Africa. <i>New England Journal of Medicine</i> , 2015 , 372, 1274-7	59.2	100
255	Bovine tuberculosis: Badger-cull targets unlikely to reduce TB. <i>Nature</i> , 2015 , 526, 640	50.4	11
254	Transmission Potential of Influenza A(H7N9) Virus, China, 2013-2014. <i>Emerging Infectious Diseases</i> , 2015 , 21, 852-5	10.2	19
253	A review of epidemiological parameters from Ebola outbreaks to inform early public health decision-making. <i>Scientific Data</i> , 2015 , 2, 150019	8.2	89
252	Exploration of the power of routine surveillance data to assess the impacts of industry-led badger culling on bovine tuberculosis incidence in cattle herds. <i>Veterinary Record</i> , 2015 , 177, 417	0.9	4
251	Bovine Tuberculosis Risk Factors for British Herds Before and After the 2001 Foot-and-Mouth Epidemic: What have we Learned from the TB99 and CCS2005 Studies?. <i>Transboundary and Emerging Diseases</i> , 2015 , 62, 505-15	4.2	18
250	Suppression of a Field Population of <i>Aedes aegypti</i> in Brazil by Sustained Release of Transgenic Male Mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003864	4.8	318
249	Dispersal of Engineered Male <i>Aedes aegypti</i> Mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004856	4.8	37
248	The role of rapid diagnostics in managing Ebola epidemics. <i>Nature</i> , 2015 , 528, S109-16	50.4	79
247	Potential Biases in Estimating Absolute and Relative Case-Fatality Risks during Outbreaks. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003846	4.8	124
246	Middle East respiratory syndrome coronavirus: quantification of the extent of the epidemic, surveillance biases, and transmissibility. <i>Lancet Infectious Diseases</i> , 2014 , 14, 50-56	25.5	231
245	Ebola virus disease in West Africa--the first 9 months of the epidemic and forward projections. <i>New England Journal of Medicine</i> , 2014 , 371, 1481-95	59.2	1159
244	Genetic control of <i>Aedes aegypti</i> : data-driven modelling to assess the effect of releasing different life stages and the potential for long-term suppression. <i>Parasites and Vectors</i> , 2014 , 7, 68	4	15
243	Badger responses to small-scale culling may compromise targeted control of bovine tuberculosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9193-8	11.5	33
242	A simple incidence-based method to avoid misinterpretation of bovine tuberculosis incidence trends in great Britain. <i>PLOS Currents</i> , 2014 , 6,		1
241	Distinguishing Between Reservoir Exposure and Human-to-Human Transmission for Emerging Pathogens Using Case Onset Data. <i>PLOS Currents</i> , 2014 , 6,		18
240	Policy: Badger-cull statistics carry uncertainty. <i>Nature</i> , 2013 , 499, 154	50.4	4

239	The evolutionary dynamics of influenza A virus adaptation to mammalian hosts. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20120382	5.8	35
238	A latent Markov modelling approach to the evaluation of circulating cathodic antigen strips for schistosomiasis diagnosis pre- and post-praziquantel treatment in Uganda. <i>PLoS Computational Biology</i> , 2013 , 9, e1003402	5	28
237	A restatement of the natural science evidence base relevant to the control of bovine tuberculosis in Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013 , 280, 20131634	4.4	91
236	Using a nonparametric multilevel latent Markov model to evaluate diagnostics for trachoma. <i>American Journal of Epidemiology</i> , 2013 , 177, 913-22	3.8	15
235	The contribution of badgers to confirmed tuberculosis in cattle in high-incidence areas in England. <i>PLOS Currents</i> , 2013 , 5,		37
234	Rabies and canine distemper virus epidemics in the red fox population of northern Italy (2006-2010). <i>PLoS ONE</i> , 2013 , 8, e61588	3.7	34
233	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , 2013 , 18,	19.8	74
232	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , 2013 , 18,	19.8	73
231	The effect of protected areas on pathogen exposure in endangered African wild dog () populations. <i>Biological Conservation</i> , 2012 , 150, 15-22	6.2	19
230	Successful suppression of a field mosquito population by sustained release of engineered male mosquitoes. <i>Nature Biotechnology</i> , 2012 , 30, 828-30	44.5	262
229	Estimation of the relative sensitivity of the comparative tuberculin skin test in tuberculous cattle herds subjected to depopulation. <i>PLoS ONE</i> , 2012 , 7, e43217	3.7	38
228	Estimating risk over time using data from targeted surveillance systems: application to bovine tuberculosis in Great Britain. <i>Epidemics</i> , 2012 , 4, 179-86	5.1	2
227	The effect of badger culling on breakdown prolongation and recurrence of bovine tuberculosis in cattle herds in Great Britain. <i>PLoS ONE</i> , 2012 , 7, e51342	3.7	4
226	Transmission dynamics, border entry screening, and school holidays during the 2009 influenza A (H1N1) pandemic, China. <i>Emerging Infectious Diseases</i> , 2012 , 18, 758-66	10.2	42
225	Considerations in the design of clinical trials to test novel entomological approaches to dengue control. <i>PLoS Neglected Tropical Diseases</i> , 2012 , 6, e1937	4.8	31
224	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
223	Localized reactive badger culling increases risk of bovine tuberculosis in nearby cattle herds. <i>Biology Letters</i> , 2012 , 8, 50-3	3.6	29
222	Epidemiology: Reduce uncertainty in UK badger culling. <i>Nature</i> , 2012 , 485, 582	50.4	9

221	Monitoring trends in HIV prevalence among young people, aged 15 to 24 years, in Manicaland, Zimbabwe. <i>Journal of the International AIDS Society</i> , 2011 , 14, 27	5.4	10
220	Field performance of engineered male mosquitoes. <i>Nature Biotechnology</i> , 2011 , 29, 1034-7	44.5	252
219	Herd-level risk factors of bovine tuberculosis in England and Wales after the 2001 foot-and-mouth disease epidemic. <i>International Journal of Infectious Diseases</i> , 2011 , 15, e833-40	10.5	32
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48	Longitudinal studies with continuous responses. <i>Statistical Methods in Medical Research</i> , 1992 , 1, 225-47	2.3	65
47	REACT-1 round 15 final report: Increased breakthrough SARS-CoV-2 infections among adults who had received two doses of vaccine, but booster doses and first doses in children are providing important protection		3
46	Rapid increase in Omicron infections in England during December 2021: REACT-1 study		2
45	REACT-1 round 15 interim report: High and rising prevalence of SARS-CoV-2 infection in England from end of September 2021 followed by a fall in late October 2021		1
44	COVID-19 epidemic severity is associated with timing of non-pharmaceutical interventions		1
43	Behavioural responses to SARS-CoV-2 antibody testing in England: REACT-2 study. <i>Wellcome Open Research</i> , 6 , 203	4.8	
42	REACT-1 study round 14: High and increasing prevalence of SARS-CoV-2 infection among school-aged children during September 2021 and vaccine effectiveness against infection in England		6

41	Adaptive Estimation for Epidemic Renewal and Phylogenetic Skyline Models	2
40	Optimising Renewal Models for Real-Time Epidemic Prediction and Estimation	4
39	Estimates of the severity of COVID-19 disease	71
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37	Subnational analysis of the COVID-19 epidemic in Brazil	12
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31	Antibody prevalence for SARS-CoV-2 following the peak of the pandemic in England: REACT2 study in 100,000 adults	98
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26	High prevalence of SARS-CoV-2 swab positivity and increasing R number in England during October 2020: REACT-1 round 6 interim report	19
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24	REACT-1 round 6 updated report: high prevalence of SARS-CoV-2 swab positivity with reduced rate of growth in England at the start of November 2020	11

23	Deciphering early-warning signals of SARS-CoV-2 elimination and resurgence from limited data at multiple scales	4
22	REACT-1 round 7 interim report: fall in prevalence of swab-positivity in England during national lockdown	4
21	REACT-1 round 7 updated report: regional heterogeneity in changes in prevalence of SARS-CoV-2 infection during the second national COVID-19 lockdown in England	10
20	REACT-1 round 9 final report: Continued but slowing decline of prevalence of SARS-CoV-2 during national lockdown in England in February 2021	8
19	REACT-2 Round 5: increasing prevalence of SARS-CoV-2 antibodies demonstrate impact of the second wave and of vaccine roll-out in England	24
18	REACT-1 round 10 report: Level prevalence of SARS-CoV-2 swab-positivity in England during third national lockdown in March 2021	4
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16	REACT-1 round 11 report: low prevalence of SARS-CoV-2 infection in the community prior to the third step of the English roadmap out of lockdown	3
15	SARS-CoV-2 lineage dynamics in England from January to March 2021 inferred from representative community samples	7
14	REACT-1 round 12 report: resurgence of SARS-CoV-2 infections in England associated with increased frequency of the Delta variant	15
13	Vaccine uptake and SARS-CoV-2 antibody prevalence among 207,337 adults during May 2021 in England: REACT-2 study	3
12	Global predictions of short- to medium-term COVID-19 transmission trends : a retrospective assessment	1
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10	REACT-1 round 9 interim report: downward trend of SARS-CoV-2 in England in February 2021 but still at high prevalence	5
9	REACT-1 round 13 interim report: acceleration of SARS-CoV-2 Delta epidemic in the community in England during late June and early July 2021	2
8	Increasing SARS-CoV-2 antibody prevalence in England at the start of the second wave: REACT-2 Round 4 cross-sectional study in 160,000 adults	1
7	Behavioural responses to SARS-CoV-2 antibody testing in England: REACT-2 study. <i>Wellcome Open Research</i> ,6, 203	4.8
6	REACT-1 round 13 final report: exponential growth, high prevalence of SARS-CoV-2 and vaccine effectiveness associated with Delta variant in England during May to July 2021	21

5	REACT-1 round 8 interim report: SARS-CoV-2 prevalence during the initial stages of the third national lockdown in England	6
4	REACT-1 round 8 final report: high average prevalence with regional heterogeneity of trends in SARS-CoV-2 infection in the community in England during January 2021	7
3	Characterising the persistence of RT-PCR positivity and incidence in a community survey of SARS-CoV-2. <i>Wellcome Open Research</i> ,7, 102	4.8 0
2	The Omicron SARS-CoV-2 epidemic in England during February 2022	2
1	SARS-CoV-2 lineage dynamics in England from September to November 2021: high diversity of Delta sub-lineages and increased transmissibility of AY.4.2	4