

Christl A Donnelly

List of Publications by Citations

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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	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
381	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
380	Estimating the effects of non-pharmaceutical interventions on COVID-19 in Europe. <i>Nature</i> , 2020 , 584, 257-261	50.4	1469
379	Pandemic potential of a strain of influenza A (H1N1): early findings. <i>Science</i> , 2009 , 324, 1557-61	33.3	1403
378	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
377	Transmission dynamics of the etiological agent of SARS in Hong Kong: impact of public health interventions. <i>Science</i> , 2003 , 300, 1961-6	33.3	823
376	Epidemiological determinants of spread of causal agent of severe acute respiratory syndrome in Hong Kong. <i>Lancet, The</i> , 2003 , 361, 1761-6	40	691
375	Suppression of a SARS-CoV-2 outbreak in the Italian municipality of VoR. <i>Nature</i> , 2020 , 584, 425-429	50.4	631
374	The foot-and-mouth epidemic in Great Britain: pattern of spread and impact of interventions. <i>Science</i> , 2001 , 292, 1155-60	33.3	501
373	Risk factors for severe outcomes following 2009 influenza A (H1N1) infection: a global pooled analysis. <i>PLoS Medicine</i> , 2011 , 8, e1001053	11.6	468
372	Transmission dynamics and epidemiology of BSE in British cattle. <i>Nature</i> , 1996 , 382, 779-88	50.4	458
371	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
370	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
369	Insect population control using a dominant, repressible, lethal genetic system. <i>Science</i> , 2000 , 287, 2474-6	33.3	417
368	Household transmission of 2009 pandemic influenza A (H1N1) virus in the United States. <i>New England Journal of Medicine</i> , 2009 , 361, 2619-27	59.2	370
367	Chicken welfare is influenced more by housing conditions than by stocking density. <i>Nature</i> , 2004 , 427, 342-4	50.4	362
366	Immunity to non-cerebral severe malaria is acquired after one or two infections. <i>Nature Medicine</i> , 1999 , 5, 340-3	50.5	332

365	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
364	Epidemiology, transmission dynamics and control of SARS: the 2002-2003 epidemic. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2004 , 359, 1091-105	5.8	312
363	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
362	Transmission intensity and impact of control policies on the foot and mouth epidemic in Great Britain. <i>Nature</i> , 2001 , 413, 542-8	50.4	305
361	Positive and negative effects of widespread badger culling on tuberculosis in cattle. <i>Nature</i> , 2006 , 439, 843-6	50.4	282
360	Late-acting dominant lethal genetic systems and mosquito control. <i>BMC Biology</i> , 2007 , 5, 11	7.3	281
359	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
358	Field performance of engineered male mosquitoes. <i>Nature Biotechnology</i> , 2011 , 29, 1034-7	44.5	252
357	Zoonotic host diversity increases in human-dominated ecosystems. <i>Nature</i> , 2020 , 584, 398-402	50.4	241
356	The epidemiology of severe acute respiratory syndrome in the 2003 Hong Kong epidemic: an analysis of all 1755 patients. <i>Annals of Internal Medicine</i> , 2004 , 141, 662-73	8	235
355	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
354	Impact of localized badger culling on tuberculosis incidence in British cattle. <i>Nature</i> , 2003 , 426, 834-7	50.4	218
353	EPIDEMIOLOGY. Countering the Zika epidemic in Latin America. <i>Science</i> , 2016 , 353, 353-4	33.3	191
352	Assessing the severity of the novel influenza A/H1N1 pandemic. <i>BMJ</i> , 2009 , 339, b2840	5.9	175
351	After Ebola in West Africa--Unpredictable Risks, Preventable Epidemics. <i>New England Journal of Medicine</i> , 2016 , 375, 587-96	59.2	172
350	Methods for estimating the case fatality ratio for a novel, emerging infectious disease. <i>American Journal of Epidemiology</i> , 2005 , 162, 479-86	3.8	169
349	Parasites as causative agents of human affective disorders? The impact of anti-psychotic, mood-stabilizer and anti-parasite medication on <i>Toxoplasma gondii</i> 's ability to alter host behaviour. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006 , 273, 1023-30	4.4	168
348	Cross-species interactions between malaria parasites in humans. <i>Science</i> , 2000 , 287, 845-8	33.3	165

347	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
346	Transmission dynamics and epidemiology of dengue: insights from age-stratified sero-prevalence surveys. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1999 , 354, 757-68	5.8	151
345	Reduction in mobility and COVID-19 transmission. <i>Nature Communications</i> , 2021 , 12, 1090	17.4	142
344	Predicted vCJD mortality in Great Britain. <i>Nature</i> , 2000 , 406, 583-4	50.4	137
343	Public health. Public health risk from the avian H5N1 influenza epidemic. <i>Science</i> , 2004 , 304, 968-9	33.3	128
342	Effects of culling on badger <i>Meles meles</i> spatial organization: implications for the control of bovine tuberculosis. <i>Journal of Applied Ecology</i> , 2005 , 43, 1-10	5.8	127
341	Potential Biases in Estimating Absolute and Relative Case-Fatality Risks during Outbreaks. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0003846	4.8	124
340	Schistosoma haematobium infection and morbidity before and after large-scale administration of praziquantel in Burkina Faso. <i>Journal of Infectious Diseases</i> , 2007 , 196, 659-69	7	120
339	Spatial heterogeneity and the persistence of infectious diseases. <i>Journal of Theoretical Biology</i> , 2004 , 229, 349-59	2.3	118
338	Real-time estimates in early detection of SARS. <i>Emerging Infectious Diseases</i> , 2006 , 12, 110-3	10.2	118
337	Culling and cattle controls influence tuberculosis risk for badgers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 14713-7	11.5	114
336	Spatial perturbation caused by a badger (<i>Meles meles</i>) culling operation: implications for the function of territoriality and the control of bovine tuberculosis (<i>Mycobacterium bovis</i>). <i>Journal of Animal Ecology</i> , 2000 , 69, 815-828	4.7	109
335	Implications of a circulating vaccine-derived poliovirus in Nigeria. <i>New England Journal of Medicine</i> , 2010 , 362, 2360-9	59.2	107
334	Genetic diversity and dynamics of plasmodium falciparum and <i>P. vivax</i> populations in multiply infected children with asymptomatic malaria infections in Papua New Guinea. <i>Parasitology</i> , 2000 , 121 (Pt 3), 257-72	2.7	105
333	Evidence for a mass community effect of insecticide-treated bednets on the incidence of malaria on the Kenyan coast. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2000 , 94, 357-60	2	104
332	Risk of severe malaria among African infants: direct evidence of clinical protection during early infancy. <i>Journal of Infectious Diseases</i> , 1998 , 177, 819-22	7	102
331	Comparison of molecular testing strategies for COVID-19 control: a mathematical modelling study. <i>Lancet Infectious Diseases</i> , <i>The</i> , 2020 , 20, 1381-1389	25.5	102
330	Ebola virus disease among children in West Africa. <i>New England Journal of Medicine</i> , 2015 , 372, 1274-7	59.2	100

329	Antibody prevalence for SARS-CoV-2 following the peak of the pandemic in England: REACT2 study in 100,000 adults		98
328	The epidemiology of BSE in cattle herds in Great Britain. II. Model construction and analysis of transmission dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997 , 352, 803-38	5.8	97
327	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
326	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
325	Environmental and management factors affecting the welfare of chickens on commercial farms in the United Kingdom and Denmark stocked at five densities. <i>Poultry Science</i> , 2005 , 84, 1155-65	3.9	89
324	Estimation of transmission parameters of H5N1 avian influenza virus in chickens. <i>PLoS Pathogens</i> , 2009 , 5, e1000281	7.6	88
323	Impacts of widespread badger culling on cattle tuberculosis: concluding analyses from a large-scale field trial. <i>International Journal of Infectious Diseases</i> , 2007 , 11, 300-8	10.5	86
322	SARS-CoV-2 antibody prevalence in England following the first peak of the pandemic. <i>Nature Communications</i> , 2021 , 12, 905	17.4	80
321	The role of rapid diagnostics in managing Ebola epidemics. <i>Nature</i> , 2015 , 528, S109-16	50.4	79
320	HIV-1 transmitting couples have similar viral load set-points in Rakai, Uganda. <i>PLoS Pathogens</i> , 2010 , 6, e1000876	7.6	79
319	Epidemiological and genetic analysis of severe acute respiratory syndrome. <i>Lancet Infectious Diseases</i> , 2004 , 4, 672-83	25.5	79
318	The seasonal pattern of dengue in endemic areas: mathematical models of mechanisms. <i>Transactions of the Royal Society of Tropical Medicine and Hygiene</i> , 2002 , 96, 387-97	2	78
317	Reproductive factors are crucial in the aetiology of breast cancer - a reply. <i>British Journal of Cancer</i> , 2000 , 83, 134-134	8.7	78
316	The duration of the effects of repeated widespread badger culling on cattle tuberculosis following the cessation of culling. <i>PLoS ONE</i> , 2010 , 5, e9090	3.7	76
315	Specificity of the <i>Toxoplasma gondii</i> -altered behaviour to definitive versus non-definitive host predation risk. <i>Parasitology</i> , 2008 , 135, 1143-50	2.7	75
314	Estimating the human health risk from possible BSE infection of the British sheep flock. <i>Nature</i> , 2002 , 415, 420-4	50.4	74
313	Implications of BSE infection screening data for the scale of the British BSE epidemic and current European infection levels. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002 , 269, 2179-90	4.4	74
312	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , 2013 , 18,	19.8	74

311	Differences in trappability of European badgers <i>Meles meles</i> in three populations in England. <i>Journal of Applied Ecology</i> , 1999 , 36, 1051-1062	5.8	73
310	Transmission scenarios for Middle East Respiratory Syndrome Coronavirus (MERS-CoV) and how to tell them apart. <i>Eurosurveillance</i> , 2013 , 18,	19.8	73
309	Creating and validating an algorithm to measure AIDS mortality in the adult population using verbal autopsy. <i>PLoS Medicine</i> , 2006 , 3, e312	11.6	72
308	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
307	Estimates of the severity of COVID-19 disease		71
306	Sampling biases and missing data in explorations of sexual partner networks for the spread of sexually transmitted diseases. <i>Statistics in Medicine</i> , 1998 , 17, 2079-97	2.3	69
305	Four principles to make evidence synthesis more useful for policy. <i>Nature</i> , 2018 , 558, 361-364	50.4	68
304	Seroprevalence of IgG antibodies to SARS-coronavirus in asymptomatic or subclinical population groups. <i>Epidemiology and Infection</i> , 2006 , 134, 211-21	4.3	67
303	Declining prevalence of antibody positivity to SARS-CoV-2: a community study of 365,000 adults		67
302	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
301	Recurrence of bovine tuberculosis breakdowns in Great Britain: risk factors and prediction. <i>Preventive Veterinary Medicine</i> , 2011 , 102, 22-9	3.1	66
300	Response to COVID-19 in South Korea and implications for lifting stringent interventions. <i>BMC Medicine</i> , 2020 , 18, 321	11.4	66
299	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
298	A comparative epidemiologic analysis of SARS in Hong Kong, Beijing and Taiwan. <i>BMC Infectious Diseases</i> , 2010 , 10, 50	4	65
297	Longitudinal studies with continuous responses. <i>Statistical Methods in Medical Research</i> , 1992 , 1, 225-47	2.3	65
296	The development of an age-structured model for trachoma transmission dynamics, pathogenesis and control. <i>PLoS Neglected Tropical Diseases</i> , 2009 , 3, e462	4.8	65
295	Key questions for modelling COVID-19 exit strategies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020 , 287, 20201405	4.4	65
294	Spatial association of <i>Mycobacterium bovis</i> infection in cattle and badgers <i>Meles meles</i> . <i>Journal of Applied Ecology</i> , 2005 , 42, 852-862	5.8	64

293	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	4.0	64
292	Epidemiological determinants of the pattern and magnitude of the vCJD epidemic in Great Britain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1998 , 265, 2443-52	4.4	63
291	The Early Transmission Dynamics of H1N1pdm Influenza in the United Kingdom. <i>PLOS Currents</i> , 2009 , 1, RRN1130		63
290	Low diversity <i>Cryptococcus neoformans</i> variety <i>grubii</i> multilocus sequence types from Thailand are consistent with an ancestral African origin. <i>PLoS Pathogens</i> , 2011 , 7, e1001343	7.6	62
289	SARS-CoV antibody prevalence in all Hong Kong patient contacts. <i>Emerging Infectious Diseases</i> , 2004 , 10, 1653-6	10.2	61
288	Updated projections of future vCJD deaths in the UK. <i>BMC Infectious Diseases</i> , 2003 , 3, 4	4	60
287	Forced to crowd or choosing to cluster? Spatial distribution indicates social attraction in broiler chickens. <i>Animal Behaviour</i> , 2006 , 72, 1291-1300	2.8	59
286	Age- and species-specific duration of infection in asymptomatic malaria infections in Papua New Guinea. <i>Parasitology</i> , 2000 , 121 (Pt 3), 247-56	2.7	58
285	Herd-level risk factors associated with tuberculosis breakdowns among cattle herds in England before the 2001 foot-and-mouth disease epidemic. <i>Biology Letters</i> , 2005 , 1, 53-6	3.6	57
284	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
283	Exposure Patterns Driving Ebola Transmission in West Africa: A Retrospective Observational Study. <i>PLoS Medicine</i> , 2016 , 13, e1002170	11.6	56
282	Antigen-driven CD4+ T cell and HIV-1 dynamics: residual viral replication under highly active antiretroviral therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 15167-72	11.5	55
281	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
280	State-level tracking of COVID-19 in the United States. <i>Nature Communications</i> , 2020 , 11, 6189	17.4	54
279	Have deaths from COVID-19 in Europe plateaued due to herd immunity?. <i>Lancet, The</i> , 2020 , 395, e110-e111	11.1	53
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	Beer halls as a focus for HIV prevention activities in rural Zimbabwe. <i>Sexually Transmitted Diseases</i> , 2005 , 32, 364-9	2.4	52
276	The epidemiology of BSE in cattle herds in Great Britain. I. Epidemiological processes, demography of cattle and approaches to control by culling. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997 , 352, 781-801	5.8	51

275	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
274	Influence of rearing and lay risk factors on propensity for feather damage in laying hens. <i>British Poultry Science</i> , 2010 , 51, 725-33	1.9	50
273	Effectiveness of immunization against paralytic poliomyelitis in Nigeria. <i>New England Journal of Medicine</i> , 2008 , 359, 1666-74	59.2	50
272	Factors determining the pattern of the variant Creutzfeldt-Jakob disease (vCJD) epidemic in the UK. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 689-98	4.4	50
271	MORBIDITY INDICATORS OF SCHISTOSOMA MANSONI: RELATIONSHIP BETWEEN INFECTION AND ANEMIA IN UGANDAN SCHOOLCHILDREN BEFORE AND AFTER PRAZIQUANTEL AND ALBENDAZOLE CHEMOTHERAPY. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 278-286	3.2	49
270	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
269	Gender difference in HIV-1 RNA viral loads. <i>HIV Medicine</i> , 2005 , 6, 170-8	2.7	48
268	Principles of Applied Statistics 2011 ,		48
267	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
266	Bovine tuberculosis in cattle and badgers in localized culling areas. <i>Journal of Wildlife Diseases</i> , 2009 , 45, 128-43	1.3	47
265	Serial intervals and the temporal distribution of secondary infections within households of 2009 pandemic influenza A (H1N1): implications for influenza control recommendations. <i>Clinical Infectious Diseases</i> , 2011 , 52 Suppl 1, S123-30	11.6	47
264	Contrasting reservoirs for <i>Schistosoma japonicum</i> between marshland and hilly regions in Anhui, China--a two-year longitudinal parasitological survey. <i>Parasitology</i> , 2010 , 137, 99-110	2.7	46
263	Simple model for tuberculosis in cattle and badgers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 17588-93	11.5	46
262	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
261	Risk of contact between endangered African wild dogs <i>Lycaon pictus</i> and domestic dogs: opportunities for pathogen transmission. <i>Journal of Applied Ecology</i> , 2011 , 48, 1345-1354	5.8	45
260	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
259	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
258	Worldwide Reduction in MERS Cases and Deaths since 2016. <i>Emerging Infectious Diseases</i> , 2019 , 25, 1758-1760	4.26	44

257	Evolution in a multi-host parasite: chronobiological circadian rhythm and population genetics of <i>Schistosoma japonicum</i> cercariae indicates contrasting definitive host reservoirs by habitat. <i>International Journal for Parasitology</i> , 2009 , 39, 1581-8	4.3	44
256	Badgers prefer cattle pasture but avoid cattle: implications for bovine tuberculosis control. <i>Ecology Letters</i> , 2016 , 19, 1201-8	10	44
255	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
254	Estimation of the number of people incubating variant CJD. <i>Lancet, The</i> , 1998 , 352, 1353-4	40	42
253	A simple approach to measure transmissibility and forecast incidence. <i>Epidemics</i> , 2018 , 22, 29-35	5.1	41
252	Field performance of a genetically engineered strain of pink bollworm. <i>PLoS ONE</i> , 2011 , 6, e24110	3.7	41
251	The importance of immediate destruction in epidemics of foot and mouth disease. <i>Research in Veterinary Science</i> , 2000 , 69, 189-96	2.5	41
250	Demographic approaches to the estimation of incidence of HIV-1 infection among adults from age-specific prevalence data in stable endemic conditions. <i>Aids</i> , 1996 , 10, 1689-97	3.5	41
249	The impact of single versus mixed schistosome species infections on liver, spleen and bladder morbidity within Malian children pre- and post-praziquantel treatment. <i>BMC Infectious Diseases</i> , 2010 , 10, 227	4	40
248	Analysis of dam-calf pairs of BSE cases: confirmation of a maternal risk enhancement. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1997 , 264, 1647-56	4.4	39
247	The prevalence, distribution and severity of detectable pathological lesions in badgers naturally infected with <i>Mycobacterium bovis</i> . <i>Epidemiology and Infection</i> , 2008 , 136, 1350-61	4.3	39
246	Assessment of the risk posed by bovine spongiform encephalopathy in cattle in Great Britain and the impact of potential changes to current control measures. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 1579-84	4.4	39
245	Comparison of the effectiveness of non-nucleoside reverse transcriptase inhibitor-containing and protease inhibitor-containing regimens using observational databases. <i>Aids</i> , 2001 , 15, 1133-42	3.5	39
244	Pathogenesis and diagnosis of infections with <i>Mycobacterium bovis</i> in cattle. Independent Scientific Group on Cattle TB. <i>Veterinary Record</i> , 2000 , 146, 236-42	0.9	39
243	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
242	Effects of culling on badger abundance: implications for tuberculosis control. <i>Journal of Zoology</i> , 2007 , 274, 070704044657009-???	2	38
241	Badgers and bovine TB: conflicts between conservation and health. <i>Science</i> , 1998 , 279, 817-8	33.3	38
240	Computational modelling for decision-making: where, why, what, who and how. <i>Royal Society Open Science</i> , 2018 , 5, 172096	3.3	37

239	Dispersal of Engineered Male <i>Aedes aegypti</i> Mosquitoes. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e0004856	4.8	37
238	The contribution of badgers to confirmed tuberculosis in cattle in high-incidence areas in England. <i>PLOS Currents</i> , 2013 , 5,		37
237	ASSESSMENT OF ULTRASOUND MORBIDITY INDICATORS OF SCHISTOSOMIASIS IN THE CONTEXT OF LARGE-SCALE PROGRAMS ILLUSTRATED WITH EXPERIENCES FROM MALIAN CHILDREN. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006 , 75, 1042-1052	3.2	37
236	Social group size affects <i>Mycobacterium bovis</i> infection in European badgers (<i>Meles meles</i>). <i>Journal of Animal Ecology</i> , 2009 , 78, 818-27	4.7	36
235	The effects of annual widespread badger culls on cattle tuberculosis following the cessation of culling. <i>International Journal of Infectious Diseases</i> , 2008 , 12, 457-65	10.5	36
234	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
233	Resurgence of SARS-CoV-2: Detection by community viral surveillance. <i>Science</i> , 2021 , 372, 990-995	33.3	36
232	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
231	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
230	Transmission of <i>Schistosoma japonicum</i> in marshland and hilly regions of China: parasite population genetic and sibship structure. <i>PLoS Neglected Tropical Diseases</i> , 2010 , 4, e781	4.8	34
229	Detecting emerging transmissibility of avian influenza virus in human households. <i>PLoS Computational Biology</i> , 2007 , 3, e145	5	34
228	Comparison of the risks of atherosclerotic events versus death from other causes associated with antiretroviral use. <i>Aids</i> , 2006 , 20, 1941-50	3.5	34
227	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
226	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
225	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
224	Non-parametric estimation of the case fatality ratio with competing risks data: an application to Severe Acute Respiratory Syndrome (SARS). <i>Statistics in Medicine</i> , 2007 , 26, 1982-98	2.3	33
223	Estimation of the basic reproduction number of BSE: the intensity of transmission in British cattle. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999 , 266, 23-32	4.4	33
222	Can prevalence of infection in school-aged children be used as an index for assessing community prevalence?. <i>Parasitology</i> , 1999 , 118 (Pt 3), 257-68	2.7	33

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67	REACT-1 round 7 interim report: fall in prevalence of swab-positivity in England during national lockdown		4
66	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
65	SARS-CoV-2 infection prevalence on repatriation flights from Wuhan City, China. <i>Journal of Travel Medicine</i> , 2020 , 27,	12.9	4
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