Graham F Medley

List of Publications by Year
in descending order

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243 papers	12,647 citations	28274 55 h-index	36028 97 g-index
261 all docs	261 docs citations	261 times ranked	14295 citing authors

#	Article	IF	Citations
1	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
2	Effects of non-pharmaceutical interventions on COVID-19 cases, deaths, and demand for hospital services in the UK: a modelling study. Lancet Public Health, The, 2020, 5, e375-e385.	10.0	730
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	A Preliminary Study of the Transmission Dynamics of the Human Immunodeficiency Virus (HIV), the Causative Agent of AIDS. Mathematical Medicine and Biology, 1986, 3, 229-263.	1.2	414
5	Incubation period of AIDS in patients infected via blood transfusion. Nature, 1987, 328, 719-721.	27.8	281
6	Methicillin-resistant Staphylococcus aureus in hospitals and the community: Stealth dynamics and control catastrophes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10223-10228.	7.1	266
7	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
8	The ORION statement: guidelines for transparent reporting of outbreak reports and intervention studies of nosocomial infection. Lancet Infectious Diseases, The, 2007, 7, 282-288.	9.1	236
9	Using a real-world network to model localized COVID-19 control strategies. Nature Medicine, 2020, 26, 1616-1622.	30.7	191
10	Evaluating the cost-effectiveness of vaccination programmes: a dynamic perspective. Statistics in Medicine, 1999, 18, 3263-3282.	1.6	174
11	Influence of Dry Period Bacterial Intramammary Infection on Clinical Mastitis in Dairy Cows. Journal of Dairy Science, 2002, 85, 2589-2599.	3.4	161
12	Multilocus Sequence Typing of Intercontinental Bovine Staphylococcus aureus Isolates. Journal of Clinical Microbiology, 2005, 43, 4737-4743.	3.9	158
13	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
14	Epidemiological patterns of hepatitis B virus (HBV) in highly endemic areasr. Epidemiology and Infection, 1996, 117, 313-325.	2.1	150
15	Hepatitis-B virus endemicity: heterogeneity, catastrophic dynamics and control. Nature Medicine, 2001, 7, 619-624.	30.7	149
16	Preliminary analysis of the transmission dynamics of nosocomial infections: stochastic and management effects. Journal of Hospital Infection, 1999, 43, 131-147.	2.9	141
17	Infection, reinfection, and vaccination under suboptimal immune protection: epidemiological perspectives. Journal of Theoretical Biology, 2004, 228, 539-549.	1.7	141
18	Respiratory Syncytial Virus Infection and Disease in Infants and Young Children Observed from Birth in Kilifi District, Kenya. Clinical Infectious Diseases, 2008, 46, 50-57.	5.8	140

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19	Incidence and Severity of Respiratory Syncytial Virus Pneumonia in Rural Kenyan Children Identified through Hospital Surveillance. Clinical Infectious Diseases, 2009, 49, 1341-1349.	5.8	135
20	Crossing the Interspecies Barrier: Opening the Door to Zoonotic Pathogens. PLoS Pathogens, 2014, 10, e1004129.	4.7	135
21	Cow, Farm, and Management Factors During the Dry Period that Determine the Rate of Clinical Mastitis After Calving. Journal of Dairy Science, 2007, 90, 3764-3776.	3.4	134
22	The Level and Duration of RSV-Specific Maternal IgG in Infants in Kilifi Kenya. PLoS ONE, 2009, 4, e8088.	2.5	134
23	Estimating the transmission parameters of pneumococcal carriage in households. Epidemiology and Infection, 2004, 132, 433-441.	2.1	127
24	The Source of Respiratory Syncytial Virus Infection In Infants: A Household Cohort Study In Rural Kenya. Journal of Infectious Diseases, 2014, 209, 1685-1692.	4.0	118
25	Quantifying Age-Related Rates of Social Contact Using Diaries in a Rural Coastal Population of Kenya. PLoS ONE, 2014, 9, e104786.	2.5	117
26	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
27	The transmission dynamics of groups A and B human respiratory syncytial virus (hRSV) in England & Wales and Finland: seasonality and cross-protection. Epidemiology and Infection, 2005, 133, 279-289.	2.1	109
28	The Natural History of Respiratory Syncytial Virus in a Birth Cohort: The Influence of Age and Previous Infection on Reinfection and Disease. American Journal of Epidemiology, 2012, 176, 794-802.	3.4	108
29	The ORION statement: guidelines for transparent reporting of Outbreak Reports and Intervention studies Of Nosocomial infection. Journal of Antimicrobial Chemotherapy, 2007, 59, 833-840.	3.0	104
30	THE TRANSMISSION DYNAMICS AND CONTROL OF HEPATITIS B VIRUS IN THE GAMBIA. , 1996, 15, 2215-2233.		103
31	A new approach to morbidity risk assessment in hookworm endemic communities. Epidemiology and Infection, 1992, 108, 469-481.	2.1	92
32	Ruminating on complexity: macroparasites of wildlife and livestock. Trends in Ecology and Evolution, 2004, 19, 181-188.	8.7	91
33	The reinfection threshold promotes variability in tuberculosis epidemiology and vaccine efficacy. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 617-623.	2.6	84
34	The transmission dynamics of hepatitis B in the UK: a mathematical model for evaluating costs and effectiveness of immunization programmes. Epidemiology and Infection, 1996, 116, 71-89.	2.1	82
35	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
36	Respiratory Syncytial Virus Epidemiology in a Birth Cohort from Kilifi District, Kenya: Infection during the First Year of Life. Journal of Infectious Diseases, 2004, 190, 1828-1832.	4.0	79

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37	The development of an age structured model for schistosomiasis transmission dynamics and control and its validation for Schistosoma mansoni. Epidemiology and Infection, 1995, 115, 325-344.	2.1	78
38	Infectious diseases of animals and plants: an interdisciplinary approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 1933-1942.	4.0	77
39	A longitudinal study of the role of Dichelobacter nodosus and Fusobacterium necrophorum load in initiation and severity of footrot in sheep. Preventive Veterinary Medicine, 2014, 115, 48-55.	1.9	76
40	Somatic Cell Count Distributions During Lactation Predict Clinical Mastitis. Journal of Dairy Science, 2004, 87, 1256-1264.	3.4	75
41	Influence of age, severity of infection, and co-infection on the duration of respiratory syncytial virus (RSV) shedding. Epidemiology and Infection, 2015, 143, 804-812.	2.1	75
42	Understanding the transmission dynamics of respiratory syncytial virus using multiple time series and nested models. Mathematical Biosciences, 2007, 209, 222-239.	1.9	73
43	Density-dependent fecundity in Schistosoma mansoni infections in man. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1985, 79, 532-534.	1.8	72
44	Dynamics of malaria parasitaemia associated with febrile illness in children from a rural area of Madang, Papua New Guinea. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1994, 88, 191-197.	1.8	72
45	Genetic Relatedness of Infecting and Reinfecting Respiratory Syncytial Virus Strains Identified in a Birth Cohort From Rural Kenya. Journal of Infectious Diseases, 2012, 206, 1532-1541.	4.0	71
46	Frequent Asymptomatic Respiratory Syncytial Virus Infections During an Epidemic in a Rural Kenyan Household Cohort. Journal of Infectious Diseases, 2015, 212, 1711-1718.	4.0	71
47	The contribution of asymptomatic SARS-CoV-2 infections to transmission on the Diamond Princess cruise ship. ELife, 2020, 9, .	6.0	70
48	On the determinants of population structure in antigenically diverse pathogens. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 227-233.	2.6	68
49	An assessment of the economic impact of heartwater (Cowdria ruminantium infection) and its control in Zimbabwe. Preventive Veterinary Medicine, 1999, 39, 173-189.	1.9	67
50	The reinfection threshold. Journal of Theoretical Biology, 2005, 236, 111-113.	1.7	65
51	Assessing risks of disease transmission between wildlife and livestock: The Saiga antelope as a case study. Biological Conservation, 2006, 131, 244-254.	4.1	64
52	Risks for bovine tuberculosis in British cattle farms restocked after the foot and mouth disease epidemic of 2001. Preventive Veterinary Medicine, 2008, 84, 85-93.	1.9	64
53	Molecular epidemiology of respiratory syncytial virus in Kilifi district, Kenya. Journal of Medical Virology, 2004, 74, 344-354.	5.0	63
54	Health-seeking behaviour, diagnostics and transmission dynamics in the control of visceral leishmaniasis in the Indian subcontinent. Nature, 2015, 528, S102-S108.	27.8	62

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55	Predicted Impact of COVID-19 on Neglected Tropical Disease Programs and the Opportunity for Innovation. Clinical Infectious Diseases, 2021, 72, 1463-1466.	5.8	62
56	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	1.8	62
57	Implication of backward contact tracing in the presence of overdispersed transmission in COVID-19 outbreaks. Wellcome Open Research, 2020, 5, 239.	1.8	61
58	Cow, Farm, and Herd Management Factors in the Dry Period Associated with Raised Somatic Cell Counts in Early Lactation. Journal of Dairy Science, 2008, 91, 1403-1415.	3.4	60
59	The epidemiology and population biology of Necator americanus infection in a rural community in Zimbabwe. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1992, 86, 73-76.	1.8	58
60	Factors associated with increased risk of progression to respiratory syncytial virusâ€associated pneumonia in young Kenyan children*. Tropical Medicine and International Health, 2008, 13, 914-926.	2.3	55
61	Understanding the transmission dynamics of Leishmania donovani to provide robust evidence for interventions to eliminate visceral leishmaniasis in Bihar, India. Parasites and Vectors, 2016, 9, 25.	2.5	55
62	The treatment-free incubation period of AIDS in a cohort of homosexual men. Aids, 1993, 7, 231-240.	2.2	54
63	A Missing Dimension in Measures of Vaccination Impacts. PLoS Pathogens, 2014, 10, e1003849.	4.7	54
64	Relationship Between Prevalence and Intensity of Plasmodium Falciparum Infection in Natural Populations of Anopheles Mosquitoes. American Journal of Tropical Medicine and Hygiene, 1994, 51, 260-270.	1.4	54
65	Parasite transmission in a migratory multiple host system. Ecological Modelling, 2007, 200, 511-520.	2.5	53
66	Distribution of Ascaris suum in experimentally and naturally infected pigs and comparison with Ascaris lumbricoides infections in humans. Parasitology, 1998, 117, 589-596.	1.5	52
67	An Augmented Data Method for the Analysis of Nosocomial Infection Data. American Journal of Epidemiology, 2008, 168, 548-557.	3.4	52
68	The use of Markov chain Monte Carlo for analysis of correlated binary data: patterns of somatic cells in milk and the risk of clinical mastitis in dairy cows. Preventive Veterinary Medicine, 2004, 64, 157-174.	1.9	51
69	Molecular Analysis of Respiratory Syncytial Virus Reinfections in Infants from Coastal Kenya. Journal of Infectious Diseases, 2006, 193, 59-67.	4.0	50
70	Looking after the individual to reduce disease in the flock: A binomial mixed effects model investigating the impact of individual sheep management of footrot and interdigital dermatitis in a prospective longitudinal study on one farm. Preventive Veterinary Medicine, 2007, 78, 172-178.	1.9	50
71	Factors associated with changes of state of foot conformation and lameness in a flock of sheep. Preventive Veterinary Medicine, 2010, 97, 237-244.	1.9	50
72	Elimination of visceral leishmaniasis in the Indian subcontinent: a comparison of predictions from three transmission models. Epidemics, 2017, 18, 67-80.	3.0	49

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73	Vaccine Induced Herd Immunity for Control of Respiratory Syncytial Virus Disease in a Low-Income Country Setting. PLoS ONE, 2015, 10, e0138018.	2.5	49
74	Seroepidemiological study of respiratory syncytial virus in SÃ£o Paulo State, Brazil. , 1998, 55, 234-239.		46
75	A four year longitudinal sero-epidemiological study of bovine herpesvirus type-1 (BHV-1) in adult cattle in 107 unvaccinated herds in south west England. BMC Veterinary Research, 2009, 5, 5.	1.9	46
76	Duration of shedding of respiratory syncytial virus in a community study of Kenyan children. BMC Infectious Diseases, 2010, 10, 15.	2.9	46
77	Ovine pedomics: the first study of the ovine foot 16S rRNA-based microbiome. ISME Journal, 2011, 5, 1426-1437.	9.8	46
78	Diagnostic tools for soil-transmitted helminths control and elimination programs: A pathway for diagnostic product development. PLoS Neglected Tropical Diseases, 2018, 12, e0006213.	3.0	46
79	A meta-analysis of the effect of dose and age at exposure on shedding ofMycobacterium aviumsubspeciesparatuberculosis(MAP) in experimentally infected calves and cows. Epidemiology and Infection, 2012, 140, 231-246.	2.1	45
80	Prevalence and associations between bacterial isolates from dry mammary glands of dairy cows. Veterinary Record, 2005, 156, 71-77.	0.3	44
81	The design of schistosomiasis monitoring and evaluation programmes: The importance of collecting adult data to inform treatment strategies for Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2018, 12, e0006717.	3.0	44
82	Dynamic Models of Schistosomiasis Morbidity. American Journal of Tropical Medicine and Hygiene, 1996, 55, 52-62.	1.4	44
83	Investigating the epidemiology of heartwater (Cowdria ruminantium infection) by means of a transmission dynamics model. Parasitology, 1998, 117, 49-61.	1.5	43
84	Implications of partial immunity on the prospects for tuberculosis control by post-exposure interventions. Journal of Theoretical Biology, 2007, 248, 608-617.	1.7	43
85	Seroprevalence and epidemiological characteristics of Mycobacterium avium subsp. paratuberculosis on 114 cattle farms in south west England. Preventive Veterinary Medicine, 2009, 89, 102-109.	1.9	43
86	A stochastic mathematical model of the within-herd transmission dynamics of porcine reproductive and respiratory syndrome virus (PRRSV): Fade-out and persistence. Preventive Veterinary Medicine, 2010, 93, 248-257.	1.9	43
87	Risk factors for herd breakdown with bovine tuberculosis in 148 cattle herds in the south west of England. Preventive Veterinary Medicine, 2010, 95, 224-230.	1.9	43
88	Endemic cattle diseases: comparative epidemiology and governance. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 1975-1986.	4.0	43
89	HELMINTHS OF SAIGA ANTELOPE IN KAZAKHSTAN: IMPLICATIONS FOR CONSERVATION AND LIVESTOCK PRODUCTION. Journal of Wildlife Diseases, 2005, 41, 149-162.	0.8	42
90	Mathematical modelling of the foot and mouth disease epidemic of 2001: strengths and weaknesses. Research in Veterinary Science, 2002, 73, 201-205.	1.9	41

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91	Quantification of the natural history of visceral leishmaniasis and consequences for control. Parasites and Vectors, 2015, 8, 521.	2.5	41
92	Contact tracing is an imperfect tool for controlling COVID-19 transmission and relies on population adherence. Nature Communications, 2021, 12, 5412.	12.8	41
93	Multilocus Sequence Typing of Staphylococcus aureus Isolated from High-Somatic-Cell-Count Cows and the Environment of an Organic Dairy Farm in the United Kingdom. Journal of Clinical Microbiology, 2005, 43, 4731-4736.	3.9	39
94	Guidelines for multi-model comparisons of the impact of infectious disease interventions. BMC Medicine, 2019, 17, 163.	5.5	39
95	Spatiotemporal patterns and risks of herd breakdowns in pigs with postweaning multisystemic wasting syndrome. Veterinary Record, 2007, 160, 751-762.	0.3	38
96	Variations in visceral leishmaniasis burden, mortality and the pathway to care within Bihar, India. Parasites and Vectors, 2017, 10, 601.	2.5	38
97	Assessing the cost-effectiveness of HPV vaccination strategies for adolescent girls and boys in the UK. BMC Infectious Diseases, 2019, 19, 552.	2.9	38
98	Kinetics of the Neutralizing Antibody Response to Respiratory Syncytial Virus Infections in a Birth Cohort. Journal of Medical Virology, 2013, 85, 2020-2025.	5.0	37
99	Successive Respiratory Syncytial Virus Epidemics in Local Populations Arise from Multiple Variant Introductions, Providing Insights into Virus Persistence. Journal of Virology, 2015, 89, 11630-11642.	3.4	37
100	Models for Infectious Human Diseases. , 1996, , .		37
101	Free Leptin, Bound Leptin, and Soluble Leptin Receptor in Normal and Diabetic Pregnancies. Journal of Clinical Endocrinology and Metabolism, 1999, 84, 300-306.	3.6	37
102	Dynamical behaviour of epidemiological models with sub-optimal immunity and nonlinear incidence. Journal of Mathematical Biology, 2005, 51, 414-430.	1.9	36
103	Research priorities for elimination of visceral leishmaniasis. The Lancet Global Health, 2014, 2, e683-e684.	6.3	36
104	Epidemiology of HIV infection and AIDS. Aids, 1988, 2, S57-64.	2.2	34
105	Control of Ascaris infection by chemotherapy: which is the most cost-effective option?. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1995, 89, 16-20.	1.8	34
106	Policy Recommendations From Transmission Modeling for the Elimination of Visceral Leishmaniasis in the Indian Subcontinent. Clinical Infectious Diseases, 2018, 66, S301-S308.	5.8	34
107	Effects of insulin and glucocorticoids on the leptin system are mediated through free leptin. Clinical Endocrinology, 2001, 54, 533-539.	2.4	33
108	Group- and Genotype-Specific Neutralizing Antibody Responses Against Respiratory Syncytial Virus in Infants and Young Children With Severe Pneumonia. Journal of Infectious Diseases, 2013, 207, 489-492.	4.0	33

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109	Uniting mathematics and biology for control of visceral leishmaniasis. Trends in Parasitology, 2015, 31, 251-259.	3.3	33
110	Meticillin-resistant Staphylococcus aureus (MRSA) in hospitals and the community: model predictions based on the UK situation. Journal of Hospital Infection, 2007, 65, 93-99.	2.9	32
111	Porcine reproductive and respiratory syndrome virus (PRRSV) in GB pig herds: farm characteristics associated with heterogeneity in seroprevalence. BMC Veterinary Research, 2008, 4, 48.	1.9	32
112	The Role of More Sensitive Helminth Diagnostics in Mass Drug Administration Campaigns. Advances in Parasitology, 2016, 94, 343-392.	3.2	32
113	Molecular Evolutionary Dynamics of Respiratory Syncytial Virus Group A in Recurrent Epidemics in Coastal Kenya. Journal of Virology, 2016, 90, 4990-5002.	3.4	32
114	Dynamics of SARS-CoV-2 with waning immunity in the UK population. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200274.	4.0	31
115	Dynamics and impact of footrot and climate on hoof horn length in 50 ewes from one farm over a period of 10 months. Veterinary Journal, 2014, 201, 295-301.	1.7	30
116	When an emerging disease becomes endemic. Science, 2017, 357, 156-158.	12.6	29
117	A Preliminary Study of Genetic Factors That Influence Susceptibility to Bovine Tuberculosis in the British Cattle Herd. PLoS ONE, 2011, 6, e18806.	2.5	28
118	Vaccination against hepatitis B virus in highly endemic areas: waning vaccine-induced immunity and the need for booster doses. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1996, 90, 436-440.	1.8	27
119	Distributions of the vectors of heartwater, Amblyomma hebraeum and Amblyomma variegatum (Acari:) Tj ETQq1 1 0.784314 rgBT /Over	1.6	27
120	Intestinal parasites in swine in the Nordic countries: multilevel modelling of Ascaris suum infections in relation to production factors. Parasitology, 1999, 119, 521-534.	1.5	27
121	Herd and individual animal risks associated with bovine tuberculosis skin test positivity in cattle in herds in south west England. Preventive Veterinary Medicine, 2009, 92, 188-198.	1.9	27
122	Using a household-structured branching process to analyse contact tracing in the SARS-CoV-2 pandemic. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200267.	4.0	27
123	Dynamic aspects of morbidity and acquired immunity in schistosomiasis control. Acta Tropica, 1996, 62, 105-117.	2.0	26
124	Transmission patterns and evolution of respiratory syncytial virus in a community outbreak identified by genomic analysis. Virus Evolution, 2017, 3, vex006.	4.9	26
125	Continuous Invasion by Respiratory Viruses Observed in Rural Households During a Respiratory Syncytial Virus Seasonal Outbreak in Coastal Kenya. Clinical Infectious Diseases, 2018, 67, 1559-1567.	5.8	26
126	Age trends in asymptomatic and symptomatic Leishmania donovani infection in the Indian subcontinent: A review and analysis of data from diagnostic and epidemiological studies. PLoS Neglected Tropical Diseases, 2018, 12, e0006803.	3.0	26

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127	Achieving Elimination as a Public Health Problem for Schistosoma mansoni and S. haematobium: When Is Community-Wide Treatment Required?. Journal of Infectious Diseases, 2020, 221, S525-S530.	4.0	26
128	Epidemiology, HIV and drugs: mathematical models and data. Addiction, 1992, 87, 371-379.	3.3	25
129	Comparison of strainâ€specific antibody responses during primary and secondary infections with respiratory syncytial virus. Journal of Medical Virology, 2007, 79, 1943-1950.	5.0	25
130	The potential to control Haemonchus contortus in indigenous South African goats with copper oxide wire particles. Veterinary Parasitology, 2009, 162, 306-313.	1.8	25
131	Progress in the Mathematical Modelling of Visceral Leishmaniasis. Advances in Parasitology, 2016, 94, 49-131.	3.2	25
132	Model-based estimates of transmission of respiratory syncytial virus within households. Epidemics, 2019, 27, 1-11.	3.0	25
133	Agricultural restructuring and gastrointestinal parasitism in domestic ruminants on the rangelands of Kazakhstan. Veterinary Parasitology, 2006, 139, 180-191.	1.8	23
134	The role of case proximity in transmission of visceral leishmaniasis in a highly endemic village in Bangladesh. PLoS Neglected Tropical Diseases, 2018, 12, e0006453.	3.0	23
135	Modelling the dynamics of intramammaryE. coliinfections in dairy cows: understanding mechanisms that distinguish transient from persistent infections. Veterinary Research, 2010, 41, 13.	3.0	23
136	Screening strategies in surveillance and control of methicillin-resistant Staphylococcus aureus (MRSA). Epidemiology and Infection, 2007, 135, 328-342.	2.1	22
137	Learning from multi-model comparisons: Collaboration leads to insights, but limitations remain. Epidemics, 2017, 18, 1-3.	3.0	22
138	Towards Evidence-based Control of Opisthorchis viverrini. Trends in Parasitology, 2021, 37, 370-380.	3.3	22
139	Use of posterior predictive assessments to evaluate model fit in multilevel logistic regression. Veterinary Research, 2009, 40, 30.	3.0	22
140	The structural identifiability and parameter estimation of a multispecies model for the transmission of mastitis in dairy cows. Mathematical Biosciences, 2001, 174, 77-90.	1.9	21
141	Serological survey of anti-group A rotavirus IgM in UK adults. Epidemiology and Infection, 2003, 131, 719-726.	2.1	21
142	EPIDEMIOLOGY: Predicting the Unpredictable. Science, 2001, 294, 1663-1664.	12.6	20
143	The control of heartwater on large-scale commercial and smallholder farms in Zimbabwe. Preventive Veterinary Medicine, 1999, 39, 191-210.	1.9	19
144	Rotavirus within day care centres in Oxfordshire, UK: characterization of partial immunity. Journal of the Royal Society Interface, 2008, 5, 1481-1490.	3.4	19

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145	Identification of group <scp>B</scp> respiratory syncytial viruses that lack the 60â€nucleotide duplication after six consecutive epidemics of total <scp>BA</scp> dominance at coastal <scp>K</scp>enya. Influenza and Other Respiratory Viruses, 2013, 7, 1008-1012.	3.4	19
146	Genomic analysis of respiratory syncytial virus infections in households and utility in inferring who infects the infant. Scientific Reports, 2019, 9, 10076.	3.3	19
147	Inferring transmission trees to guide targeting of interventions against visceral leishmaniasis and postâ€kala-azar dermal leishmaniasis. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 25742-25750.	7.1	19
148	The transmission and control of mastitis in dairy cows: A theoretical approach. Preventive Veterinary Medicine, 2006, 74, 67-83.	1.9	18
149	End TB strategy: the need to reduce risk inequalities. BMC Infectious Diseases, 2016, 16, 132.	2.9	18
150	Vector competence of 7 rhipicephalid tick stocks in transmitting 2 Theileria parva parasite stocks from Kenya and Zimbabwe. Parasitology, 1998, 116, 539-545.	1.5	17
151	Prevalence of Cowdria ruminantium infection in Amblyomma hebraeum ticks from heartwater-endemic areas of Zimbabwe. Epidemiology and Infection, 1999, 123, 309-316.	2.1	17
152	Mathematical model of the antibody response to hepatitis B vaccines: Implications for reduced schedules. Vaccine, 2007, 25, 3705-3712.	3.8	17
153	A four year longitudinal sero-epidemiology study of Neospora caninum in adult cattle from 114 cattle herds in south west England: Associations with age, herd and dam-offspring pairs. BMC Veterinary Research, 2008, 4, 35.	1.9	16
154	Determining post-treatment surveillance criteria for predicting the elimination of Schistosoma mansoni transmission. Parasites and Vectors, 2019, 12, 437.	2.5	16
155	Infection with group C rotavirus in a suburban community in Brazil. Tropical Medicine and International Health, 1998, 3, 891-895.	2.3	15
156	Infectious disease and health systems modelling for local decision making to control neglected tropical diseases. BMC Proceedings, 2015, 9, S6.	1.6	15
157	Forecasting the new case detection rate of leprosy in four states of Brazil: A comparison of modelling approaches. Epidemics, 2017, 18, 92-100.	3.0	15
158	An Intensive, Active Surveillance Reveals Continuous Invasion and High Diversity of Rhinovirus in Households. Journal of Infectious Diseases, 2019, 219, 1049-1057.	4.0	15
159	A spatio-temporal approach to short-term prediction of visceral leishmaniasis diagnoses in India. PLoS Neglected Tropical Diseases, 2020, 14, e0008422.	3.0	15
160	Segmentation and shielding of the most vulnerable members of the population as elements of an exit strategy from COVID-19 lockdown. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200275.	4.0	15
161	Which comes first in host-parasite systems: Density dependence or parasite distribution?. Parasitology Today, 1992, 8, 321-322.	3.0	14
162	Policy Lessons From Quantitative Modeling of Leprosy. Clinical Infectious Diseases, 2018, 66, S281-S285.	5.8	14

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163	Trachoma Prevalence After Discontinuation of Mass Azithromycin Distribution. Journal of Infectious Diseases, 2020, 221, S519-S524.	4.0	14
164	Impact of Changes in Detection Effort on Control of Visceral Leishmaniasis in the Indian Subcontinent. Journal of Infectious Diseases, 2020, 221, S546-S553.	4.0	14
165	SARS-CoV-2 antigen testing: weighing the false positives against the costs of failing to control transmission. Lancet Respiratory Medicine,the, 2021, 9, 685-687.	10.7	14
166	Predicting the effect of vaccination on the transmission dynamics of heartwater (Cowdria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td	1.9	13
167	Identifying Infections with Respiratory Syncytial Virus by Using Specific Immunoglobulin G (IgG) and IgA Enzyme-Linked Immunosorbent Assays with Oral-Fluid Samples. Journal of Clinical Microbiology, 2008, 46, 1659-1662.	3.9	13
168	The relationship between porcine circovirus 2 antigen score and antibody titre and histology of lymph nodes in 375 euthanased sick and healthy pigs from 113 British pig farms with and without postweaning multisystemic wasting syndrome. Preventive Veterinary Medicine, 2009, 88, 213-219.	1.9	13
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