

# Bryan T Grenfell

## List of Publications by Citations

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231  
papers

21,316  
citations

67  
h-index

143  
g-index

255  
ext. papers

25,752  
ext. citations

12.5  
avg, IF

7.07  
L-index

#	Paper	IF	Citations
231	Global trends in antimicrobial use in food animals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 5649-54	11.5	1574
230	Global antibiotic consumption 2000 to 2010: an analysis of national pharmaceutical sales data. <i>Lancet Infectious Diseases</i> , <b>2014</b> , 14, 742-750	25.5	1285
229	Inverse density dependence and the Allee effect. <i>Trends in Ecology and Evolution</i> , <b>1999</b> , 14, 405-410	10.9	1140
228	An investigation of transmission control measures during the first 50 days of the COVID-19 epidemic in China. <i>Science</i> , <b>2020</b> , 368, 638-642	33.3	1025
227	Unifying the epidemiological and evolutionary dynamics of pathogens. <i>Science</i> , <b>2004</b> , 303, 327-32	33.3	911
226	Dynamics of the 2001 UK foot and mouth epidemic: stochastic dispersal in a heterogeneous landscape. <i>Science</i> , <b>2001</b> , 294, 813-7	33.3	641
225	Synchrony, waves, and spatial hierarchies in the spread of influenza. <i>Science</i> , <b>2006</b> , 312, 447-51	33.3	598
224	A simple model for complex dynamical transitions in epidemics. <i>Science</i> , <b>2000</b> , 287, 667-70	33.3	498
223	Noisy clockwork: time series analysis of population fluctuations in animals. <i>Science</i> , <b>2001</b> , 293, 638-43	33.3	433
222	When individual behaviour matters: homogeneous and network models in epidemiology. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 879-91	4.1	432
221	Absolute humidity and the seasonal onset of influenza in the continental United States. <i>PLoS Biology</i> , <b>2010</b> , 8, e1000316	9.7	420
220	Epidemic dynamics at the human-animal interface. <i>Science</i> , <b>2009</b> , 326, 1362-7	33.3	419
219	Host densities as determinants of abundance in parasite communities. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 1283-1289	4.4	381
218	Epochal evolution shapes the phylodynamics of interpandemic influenza A (H3N2) in humans. <i>Science</i> , <b>2006</b> , 314, 1898-903	33.3	347
217	Host species barriers to influenza virus infections. <i>Science</i> , <b>2006</b> , 312, 394-7	33.3	318
216	Whole-genome analysis of human influenza A virus reveals multiple persistent lineages and reassortment among recent H3N2 viruses. <i>PLoS Biology</i> , <b>2005</b> , 3, e300	9.7	291
215	DYNAMICS OF MEASLES EPIDEMICS: ESTIMATING SCALING OF TRANSMISSION RATES USING A TIME SERIES SIR MODEL. <i>Ecological Monographs</i> , <b>2002</b> , 72, 169-184	9	291

214	Planning for smallpox outbreaks. <i>Nature</i> , <b>2003</b> , 425, 681-5	50.4	276
213	The dynamics of measles in sub-Saharan Africa. <i>Nature</i> , <b>2008</b> , 451, 679-84	50.4	254
212	Opposite patterns of synchrony in sympatric disease metapopulations. <i>Science</i> , <b>1999</b> , 286, 968-71	33.3	241
211	Reducing antimicrobial use in food animals. <i>Science</i> , <b>2017</b> , 357, 1350-1352	33.3	236
210	Long-term measles-induced immunomodulation increases overall childhood infectious disease mortality. <i>Science</i> , <b>2015</b> , 348, 694-9	33.3	222
209	Does multiple infection select for raised virulence?. <i>Trends in Microbiology</i> , <b>2002</b> , 10, 401-5	12.4	217
208	Dynamics and selection of many-strain pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 17209-14	11.5	207
207	Disease and healthcare burden of COVID-19 in the United States. <i>Nature Medicine</i> , <b>2020</b> , 26, 1212-1217	50.5	193
206	Seasonally forced disease dynamics explored as switching between attractors. <i>Physica D: Nonlinear Phenomena</i> , <b>2001</b> , 148, 317-335	3.3	192
205	Optimal reactive vaccination strategies for a foot-and-mouth outbreak in the UK. <i>Nature</i> , <b>2006</b> , 440, 83-6	50.4	186
204	Demographic variability, vaccination, and the spatiotemporal dynamics of rotavirus epidemics. <i>Science</i> , <b>2009</b> , 325, 290-4	33.3	185
203	Susceptible supply limits the role of climate in the early SARS-CoV-2 pandemic. <i>Science</i> , <b>2020</b> , 369, 315-319	33.3	180
202	DYNAMICS OF MEASLES EPIDEMICS: SCALING NOISE, DETERMINISM, AND PREDICTABILITY WITH THE TSIR MODEL. <i>Ecological Monographs</i> , <b>2002</b> , 72, 185-202	9	180
201	Urbanization and humidity shape the intensity of influenza epidemics in U.S. cities. <i>Science</i> , <b>2018</b> , 362, 75-79	33.3	179
200	Persistence, chaos and synchrony in ecology and epidemiology. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 7-10	4.4	178
199	Global patterns in seasonal activity of influenza A/H3N2, A/H1N1, and B from 1997 to 2005: viral coexistence and latitudinal gradients. <i>PLoS ONE</i> , <b>2007</b> , 2, e1296	3.7	156
198	Stochastic processes are key determinants of short-term evolution in influenza a virus. <i>PLoS Pathogens</i> , <b>2006</b> , 2, e125	7.6	152
197	The genesis and spread of reassortment human influenza A/H3N2 viruses conferring adamantane resistance. <i>Molecular Biology and Evolution</i> , <b>2007</b> , 24, 1811-20	8.3	150

196	Individual-based perspectives on R(0). <i>Journal of Theoretical Biology</i> , <b>2000</b> , 203, 51-61	2.3	148
195	Use of serological surveys to generate key insights into the changing global landscape of infectious disease. <i>Lancet, The</i> , <b>2016</b> , 388, 728-30	40	146
194	Cetacean morbillivirus: current knowledge and future directions. <i>Viruses</i> , <b>2014</b> , 6, 5145-81	6.2	138
193	Dynamics of influenza virus infection and pathology. <i>Journal of Virology</i> , <b>2010</b> , 84, 3974-83	6.6	134
192	Reduced vaccination and the risk of measles and other childhood infections post-Ebola. <i>Science</i> , <b>2015</b> , 347, 1240-2	33.3	130
191	Avian influenza H5N1 viral and bird migration networks in Asia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 172-7	11.5	129
190	Immune life history, vaccination, and the dynamics of SARS-CoV-2 over the next 5 years. <i>Science</i> , <b>2020</b> , 370, 811-818	33.3	121
189	The impact of COVID-19 nonpharmaceutical interventions on the future dynamics of endemic infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 30547-30553	11.5	116
188	The use of mobile phone data to inform analysis of COVID-19 pandemic epidemiology. <i>Nature Communications</i> , <b>2020</b> , 11, 4961	17.4	109
187	Epidemiology. Foot-and-mouth disease under control in the UK. <i>Nature</i> , <b>2001</b> , 411, 258-9	50.4	104
186	Spatial Transmission of 2009 Pandemic Influenza in the US. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003635	5	103
185	Human mobility and the spatial transmission of influenza in the United States. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005382	5	101
184	Spatial and temporal dynamics of superspreading events in the 2014-2015 West Africa Ebola epidemic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 2337-2342	11.5	96
183	Population dynamics of rapid fixation in cytotoxic T lymphocyte escape mutants of influenza A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 11143-7	11.5	94
182	Impact of immunisation on pertussis transmission in England and Wales. <i>Lancet, The</i> , <b>2000</b> , 355, 285-6	40	94
181	Intra- and interhost evolutionary dynamics of equine influenza virus. <i>Journal of Virology</i> , <b>2010</b> , 84, 6943-546	6.6	91
180	Anthelmintic resistance revisited: under-dosing, chemoprophylactic strategies, and mating probabilities. <i>International Journal for Parasitology</i> , <b>1999</b> , 29, 77-91; discussion 93-4	4.3	91
179	Characterizing superspreading events and age-specific infectiousness of SARS-CoV-2 transmission in Georgia, USA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 22430-22435	11.5	90

178	Epidemiological and evolutionary considerations of SARS-CoV-2 vaccine dosing regimes. <i>Science</i> , <b>2021</b> , 372, 363-370	33.3	90
177	Multipack dynamics and the Allee effect in the African wild dog, <i>Lycaon pictus</i> . <i>Animal Conservation</i> , <b>2000</b> , 3, 277-285	3.2	88
176	Quantifying seasonal population fluxes driving rubella transmission dynamics using mobile phone data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 11114-9	11.5	85
175	Discovering the phylodynamics of RNA viruses. <i>PLoS Computational Biology</i> , <b>2009</b> , 5, e1000505	5	82
174	Phocine distemper virus: current knowledge and future directions. <i>Viruses</i> , <b>2014</b> , 6, 5093-134	6.2	80
173	Quantifying the impact of immune escape on transmission dynamics of influenza. <i>Science</i> , <b>2009</b> , 326, 726-8	33.3	80
172	Hand, Foot, and Mouth Disease in China: Modeling Epidemic Dynamics of Enterovirus Serotypes and Implications for Vaccination. <i>PLoS Medicine</i> , <b>2016</b> , 13, e1001958	11.6	79
171	Seasonality and comparative dynamics of six childhood infections in pre-vaccination Copenhagen. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 4111-8	4.4	78
170	Prolonged persistence of measles virus RNA is characteristic of primary infection dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 14989-94	11.5	77
169	An unlikely partnership: parasites, concomitant immunity and host defence. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2001</b> , 268, 2543-9	4.4	73
168	Reconciling early-outbreak estimates of the basic reproductive number and its uncertainty: framework and applications to the novel coronavirus (SARS-CoV-2) outbreak. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20200144	4.1	71
167	Environmental drivers of the spatiotemporal dynamics of respiratory syncytial virus in the United States. <i>PLoS Pathogens</i> , <b>2015</b> , 11, e1004591	7.6	70
166	Evolution of an Eurasian avian-like influenza virus in naïve and vaccinated pigs. <i>PLoS Pathogens</i> , <b>2012</b> , 8, e1002730	7.6	69
165	Multiannual forecasting of seasonal influenza dynamics reveals climatic and evolutionary drivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 9538-42	11.5	67
164	The shifting demographic landscape of pandemic influenza. <i>PLoS ONE</i> , <b>2010</b> , 5, e9360	3.7	66
163	Accelerated viral dynamics in bat cell lines, with implications for zoonotic emergence. <i>ELife</i> , <b>2020</b> , 9,	8.9	64
162	The path of least resistance: aggressive or moderate treatment?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20140566	4.4	63
161	Influence of birth rates and transmission rates on the global seasonality of rotavirus incidence. <i>Journal of the Royal Society Interface</i> , <b>2011</b> , 8, 1584-93	4.1	61

160	Seasonality and the persistence and invasion of measles. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 1133-41	4.4	60
159	Predicting the impact of vaccination on the transmission dynamics of typhoid in South Asia: a mathematical modeling study. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2642	4.8	59
158	A stochastic model for extinction and recurrence of epidemics: estimation and inference for measles outbreaks. <i>Biostatistics</i> , <b>2002</b> , 3, 493-510	3.7	59
157	Immunogenicity of a Meningococcal B Vaccine during a University Outbreak. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 220-8	59.2	58
156	Intracellular demography and the dynamics of Salmonella enterica infections. <i>PLoS Biology</i> , <b>2006</b> , 4, e3497	9.7	58
155	Modeling rotavirus strain dynamics in developed countries to understand the potential impact of vaccination on genotype distributions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 19353-8	11.5	56
154	Accuracy of models for the 2001 foot-and-mouth epidemic. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2008</b> , 275, 1459-68	4.4	56
153	Mean-field-type equations for spread of epidemics: the "small world" model. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>1999</b> , 274, 355-360	3.3	56
152	Stochastic dynamics and a power law for measles variability. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>1999</b> , 354, 769-76	5.8	55
151	The seasonality of nonpolio enteroviruses in the United States: Patterns and drivers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 3078-3083	11.5	52
150	Impact of cross-protective vaccines on epidemiological and evolutionary dynamics of influenza. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 3173-7	11.5	52
149	Demonstrating the use of high-volume electronic medical claims data to monitor local and regional influenza activity in the US. <i>PLoS ONE</i> , <b>2014</b> , 9, e102429	3.7	51
148	Synthesizing epidemiological and economic optima for control of immunizing infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 14366-70	11.5	50
147	Empirical determinants of measles metapopulation dynamics in England and Wales. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 211-20	4.4	50
146	Estimating drivers of autochthonous transmission of chikungunya virus in its invasion of the americas. <i>PLOS Currents</i> , <b>2015</b> , 7,		50
145	Predictive Modeling of Influenza Shows the Promise of Applied Evolutionary Biology. <i>Trends in Microbiology</i> , <b>2018</b> , 26, 102-118	12.4	49
144	Forecasting Epidemiological and Evolutionary Dynamics of Infectious Diseases. <i>Trends in Ecology and Evolution</i> , <b>2016</b> , 31, 776-788	10.9	47
143	INFERENCE FOR INDIVIDUAL-LEVEL MODELS OF INFECTIOUS DISEASES IN LARGE POPULATIONS. <i>Statistica Sinica</i> , <b>2010</b> , 20, 239-261	0.7	47

142	Seroepidemiologic Study Designs for Determining SARS-COV-2 Transmission and Immunity. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 1978-1986	10.2	47
141	Identifying Hotspots of Multidrug-Resistant Tuberculosis Transmission Using Spatial and Molecular Genetic Data. <i>Journal of Infectious Diseases</i> , <b>2016</b> , 213, 287-94	7	46
140	Phylodynamics of Enterovirus A71-Associated Hand, Foot, and Mouth Disease in Viet Nam. <i>Journal of Virology</i> , <b>2015</b> , 89, 8871-9	6.6	45
139	Measuring the performance of vaccination programs using cross-sectional surveys: a likelihood framework and retrospective analysis. <i>PLoS Medicine</i> , <b>2011</b> , 8, e1001110	11.6	45
138	Variation in SARS-CoV-2 outbreaks across sub-Saharan Africa. <i>Nature Medicine</i> , <b>2021</b> , 27, 447-453	50.5	43
137	Hospital-community interactions foster coexistence between methicillin-resistant strains of <i>Staphylococcus aureus</i> . <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003134	7.6	42
136	Inferring the inter-host transmission of influenza A virus using patterns of intra-host genetic variation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 280, 20122173	4.4	41
135	Urban cholera transmission hotspots and their implications for reactive vaccination: evidence from Bissau city, Guinea bissau. <i>PLoS Neglected Tropical Diseases</i> , <b>2012</b> , 6, e1901	4.8	41
134	Vaccination and the dynamics of immune evasion. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 143-53	4.1	41
133	Resolving the impact of waiting time distributions on the persistence of measles. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 623-40	4.1	40
132	Age specific patterns of change in the dynamics of <i>Wuchereria bancrofti</i> infection in Papua New Guinea. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>1991</b> , 44, 518-27	3.2	40
131	Epidemic dynamics of respiratory syncytial virus in current and future climates. <i>Nature Communications</i> , <b>2019</b> , 10, 5512	17.4	40
130	Host isolation and patterns of genetic variability in three populations of <i>Teladorsagia</i> from sheep. <i>International Journal for Parasitology</i> , <b>2004</b> , 34, 1197-204	4.3	39
129	Seasonal dynamics of bacterial meningitis: a time-series analysis. <i>The Lancet Global Health</i> , <b>2016</b> , 4, e370-376	13.6	38
128	Changes in rodent abundance and weather conditions potentially drive hemorrhagic fever with renal syndrome outbreaks in Xi'an, China, 2005-2012. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0003530	4.8	36
127	Rural-urban gradient in seasonal forcing of measles transmission in Niger. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 2775-82	4.4	36
126	Modelling dynamics of the type I interferon response to in vitro viral infection. <i>Journal of the Royal Society Interface</i> , <b>2006</b> , 3, 699-709	4.1	36
125	Animal reservoir, natural and socioeconomic variations and the transmission of hemorrhagic fever with renal syndrome in Chenzhou, China, 2006-2010. <i>PLoS Neglected Tropical Diseases</i> , <b>2014</b> , 8, e2615	4.8	34

124	Persistent Chaos of Measles Epidemics in the Pre-vaccination United States Caused by a Small Change in Seasonal Transmission Patterns. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004655	5	34
123	Contact heterogeneity, rather than transmission efficiency, limits the emergence and spread of canine influenza virus. <i>PLoS Pathogens</i> , <b>2014</b> , 10, e1004455	7.6	32
122	Protocols for sampling viral sequences to study epidemic dynamics. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 1119-27	4.1	32
121	Dynamics of glycoprotein charge in the evolutionary history of human influenza. <i>PLoS ONE</i> , <b>2010</b> , 5, e15674	3.7	31
120	Disease Dynamics in a Dynamic Social Network. <i>Physica A: Statistical Mechanics and Its Applications</i> , <b>2010</b> , 389, 2663-2674	3.3	30
119	HIV-1/parasite co-infection and the emergence of new parasite strains. <i>Parasitology</i> , <b>2008</b> , 135, 795-806	2.7	30
118	Hazards, spatial transmission and timing of outbreaks in epidemic metapopulations. <i>Environmental and Ecological Statistics</i> , <b>2008</b> , 15, 265-277	2.2	30
117	Integrating life history and cross-immunity into the evolutionary dynamics of pathogens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2006</b> , 273, 409-16	4.4	30
116	Population viability analyses on a cycling population: a cautionary tale. <i>Biological Conservation</i> , <b>2001</b> , 97, 61-69	6.2	30
115	Persistence in epidemic metapopulations: quantifying the rescue effects for measles, mumps, rubella and whooping cough. <i>PLoS ONE</i> , <b>2013</b> , 8, e74696	3.7	29
114	Epidemiological impact of vaccination on the dynamics of two childhood diseases in rural Senegal. <i>Microbes and Infection</i> , <b>2005</b> , 7, 593-9	9.3	29
113	Routine Pediatric Enterovirus 71 Vaccination in China: a Cost-Effectiveness Analysis. <i>PLoS Medicine</i> , <b>2016</b> , 13, e1001975	11.6	29
112	Partially observed epidemics in wildlife hosts: modelling an outbreak of dolphin morbillivirus in the northwestern Atlantic, June 2013-2014. <i>Journal of the Royal Society Interface</i> , <b>2015</b> , 12,	4.1	28
111	Age-specific risks of tuberculosis infection from household and community exposures and opportunities for interventions in a high-burden setting. <i>American Journal of Epidemiology</i> , <b>2014</b> , 180, 853-61	3.8	28
110	Evolution of equine influenza virus in vaccinated horses. <i>Journal of Virology</i> , <b>2013</b> , 87, 4768-71	6.6	28
109	A Global Immunological Observatory to meet a time of pandemics. <i>ELife</i> , <b>2020</b> , 9,	8.9	27
108	Measles and the canonical path to elimination. <i>Science</i> , <b>2019</b> , 364, 584-587	33.3	25
107	The potential impact of coinfection on antimicrobial chemotherapy and drug resistance. <i>Trends in Microbiology</i> , <b>2015</b> , 23, 537-544	12.4	25



106	tsiR: An R package for time-series Susceptible-Infected-Recovered models of epidemics. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185528	3.7	25
105	Potential Role of Social Distancing in Mitigating Spread of Coronavirus Disease, South Korea. <i>Emerging Infectious Diseases</i> , <b>2020</b> , 26, 2697-2700	10.2	25
104	Bacillus Calmette-Guérin and isoniazid preventive therapy protect contacts of patients with tuberculosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 853-9	10.2	24
103	High turnover drives prolonged persistence of influenza in managed pig herds. <i>Journal of the Royal Society Interface</i> , <b>2016</b> , 13,	4.1	24
102	Pareto rules for malaria super-spreaders and super-spreading. <i>Nature Communications</i> , <b>2019</b> , 10, 3939	17.4	23
101	Modeling the impact of interventions along the HIV continuum of care in Newark, New Jersey. <i>Clinical Infectious Diseases</i> , <b>2014</b> , 58, 274-84	11.6	23
100	Measles on the edge: coastal heterogeneities and infection dynamics. <i>PLoS ONE</i> , <b>2008</b> , 3, e1941	3.7	23
99	Universal or Specific? A Modeling-Based Comparison of Broad-Spectrum Influenza Vaccines against Conventional, Strain-Matched Vaccines. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1005204	5	21
98	Forward-looking serial intervals correctly link epidemic growth to reproduction numbers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	21
97	Geographic transmission hubs of the 2009 influenza pandemic in the United States. <i>Epidemics</i> , <b>2019</b> , 26, 86-94	5.1	21
96	Deploying digital health data to optimize influenza surveillance at national and local scales. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006020	5	20
95	The impact of environmental and climatic variation on the spatiotemporal trends of hospitalized pediatric diarrhea in Ho Chi Minh City, Vietnam. <i>Health and Place</i> , <b>2015</b> , 35, 147-54	4.6	20
94	Potential roles of social distancing in mitigating the spread of coronavirus disease 2019 (COVID-19) in South Korea <b>2020</b> ,		20
93	Impact and longevity of measles-associated immune suppression: a matched cohort study using data from the THIN general practice database in the UK. <i>BMJ Open</i> , <b>2018</b> , 8, e021465	3	20
92	Demographic buffering: titrating the effects of birth rate and imperfect immunity on epidemic dynamics. <i>Journal of the Royal Society Interface</i> , <b>2015</b> , 12, 20141245	4.1	19
91	Assessing the influence of climate on wintertime SARS-CoV-2 outbreaks. <i>Nature Communications</i> , <b>2021</b> , 12, 846	17.4	19
90	Epidemic dynamics, interactions and predictability of enteroviruses associated with hand, foot and mouth disease in Japan. <i>Journal of the Royal Society Interface</i> , <b>2018</b> , 15,	4.1	19
89	Vaccine nationalism and the dynamics and control of SARS-CoV-2. <i>Science</i> , <b>2021</b> , 373, eabj7364	33.3	19

88	Climate change suggests a shift of H5N1 risk in migratory birds. <i>Ecological Modelling</i> , <b>2015</b> , 306, 6-15	3	18
87	Synthesizing within-host and population-level selective pressures on viral populations: the impact of adaptive immunity on viral immune escape. <i>Journal of the Royal Society Interface</i> , <b>2010</b> , 7, 1311-8	4.1	18
86	Impact of birth seasonality on dynamics of acute immunizing infections in Sub-Saharan Africa. <i>PLoS ONE</i> , <b>2013</b> , 8, e75806	3.7	18
85	Impact on Epidemic Measles of Vaccination Campaigns Triggered by Disease Outbreaks or Serosurveys: A Modeling Study. <i>PLoS Medicine</i> , <b>2016</b> , 13, e1002144	11.6	18
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83	Infectious diseases. Beyond Ebola. <i>Science</i> , <b>2016</b> , 351, 815-6	33.3	17
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