C Jessica E Metcalf

List of Publications by Year
in descending order

185 papers	11,265 citations	39113 52 h-index	48101 92 g-index
219 all docs	219 docs citations	219 times ranked	17350 citing authors

#	Article	IF	Citations
1	Infectious disease in an era of global change. Nature Reviews Microbiology, 2022, 20, 193-205.	13.6	509
2	Existing human mobility data sources poorly predicted the spatial spread of SARS-CoV-2 in Madagascar. Epidemics, 2022, 38, 100534.	1.5	6
3	Impact of health system strengthening on delivery strategies to improve child immunisation coverage and inequalities in rural Madagascar. BMJ Global Health, 2022, 7, e006824.	2.0	4
4	Assessing the risk of vaccine-driven virulence evolution in SARS-CoV-2. Royal Society Open Science, 2022, 9, 211021.	1.1	8
5	Plant neighborhood shapes diversity and reduces interspecific variation of the phyllosphere microbiome. ISME Journal, 2022, 16, 1376-1387.	4.4	43
6	Leveraging serology to titrate immunization program functionality for diphtheria in Madagascar. Epidemiology and Infection, 2022, 150, 1-34.	1.0	1
7	Enterovirus D68: a test case for the use of immunological surveillance to develop tools to mitigate the pandemic potential of emerging pathogens. Lancet Microbe, The, 2022, 3, e83-e85.	3.4	10
8	The evolution of powerful yet perilous immune systems. Trends in Immunology, 2022, 43, 117-131.	2.9	11
9	The required size of cluster randomized trials of nonpharmaceutical interventions in epidemic settings. Statistics in Medicine, 2022, , .	0.8	1
10	Natural selection for imprecise vertical transmission in hostâ€"microbiota systems. Nature Ecology and Evolution, 2022, 6, 77-87.	3.4	31
11	Why do some coronaviruses become pandemic threats when others do not?. PLoS Biology, 2022, 20, e3001652.	2.6	3
12	Immuno-epidemiology and the predictability of viral evolution. Science, 2022, 376, 1161-1162.	6.0	13
13	Comparing the age and sex trajectories of SARS-CoV-2 morbidity and mortality with other respiratory pathogens. Royal Society Open Science, 2022, 9, .	1.1	3
14	The importance of the generation interval in investigating dynamics and control of new SARS-CoV-2 variants. Journal of the Royal Society Interface, 2022, 19, .	1.5	15
15	Assessing the Effects of Measles Virus Infections on Childhood Infectious Disease Mortality in Brazil. Journal of Infectious Diseases, 2022, 227, 133-140.	1.9	4
16	Monitoring for outbreak-associated excess mortality in an African city: Detection limits in Antananarivo, Madagascar. International Journal of Infectious Diseases, 2021, 103, 338-342.	1.5	10
17	Variation in SARS-CoV-2 outbreaks across sub-Saharan Africa. Nature Medicine, 2021, 27, 447-453.	15.2	77
18	Trajectory of individual immunity and vaccination required for SARS-CoV-2 community immunity: a conceptual investigation. Journal of the Royal Society Interface, 2021, 18, 20200683.	1.5	15

#	Article	IF	Citations
19	Assessing the influence of climate on wintertime SARS-CoV-2 outbreaks. Nature Communications, 2021, 12, 846.	5.8	35
20	Estimating SARS-CoV-2 seroprevalence and epidemiological parameters with uncertainty from serological surveys. ELife, 2021, 10, .	2.8	59
21	Maximizing and evaluating the impact of test-trace-isolate programs: A modeling study. PLoS Medicine, 2021, 18, e1003585.	3.9	43
22	Partial immunity and SARS-CoV-2 mutationsâ€"Response. Science, 2021, 372, 354-355.	6.0	2
23	Lessons Learned and Paths Forward for Rabies Dog Vaccination in Madagascar: A Case Study of Pilot Vaccination Campaigns in Moramanga District. Tropical Medicine and Infectious Disease, 2021, 6, 48.	0.9	4
24	Household COVID-19 risk and in-person schooling. Science, 2021, 372, 1092-1097.	6.0	162
25	Epidemiological and evolutionary considerations of SARS-CoV-2 vaccine dosing regimes. Science, 2021, 372, 363-370.	6.0	185
26	How geographic access to care shapes disease burden: The current impact of post-exposure prophylaxis and potential for expanded access to prevent human rabies deaths in Madagascar. PLoS Neglected Tropical Diseases, 2021, 15, e0008821.	1.3	11
27	Fine-scale variation in malaria prevalence across ecological regions in Madagascar: a cross-sectional study. BMC Public Health, 2021, 21, 1018.	1.2	5
28	Differential drivers of intraspecific and interspecific competition during malariaâ€"helminth co-infection. Parasitology, 2021, 148, 1030-1039.	0.7	2
29	The Challenge of Achieving Immunity Through Multiple-Dose Vaccines in Madagascar. American Journal of Epidemiology, 2021, 190, 2085-2093.	1.6	2
30	The limits of SARS-CoV-2 predictability. Nature Ecology and Evolution, 2021, 5, 1052-1054.	3.4	11
31	Building toward useful SARS-CoV-2 models in Africa. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	3
32	Lives saved with vaccination for 10 pathogens across 112 countries in a pre-COVID-19 world. ELife, 2021, 10, .	2.8	50
33	A general model for the demographic signatures of the transition from pandemic emergence to endemicity. Science Advances, 2021, 7, .	4.7	13
34	Trip duration drives shift in travel network structure with implications for the predictability of spatial disease spread. PLoS Computational Biology, 2021, 17, e1009127.	1.5	4
35	Characterizing human mobility patterns in rural settings of sub-Saharan Africa. ELife, 2021, 10, .	2.8	8
36	Vaccine nationalism and the dynamics and control of SARS-CoV-2. Science, 2021, 373, eabj7364.	6.0	80

#	Article	IF	Citations
37	Why are there so few (or so many) circulating coronaviruses?. Trends in Immunology, 2021, 42, 751-763.	2.9	7
38	Challenges in modeling the emergence of novel pathogens. Epidemics, 2021, 37, 100516.	1.5	12
39	Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. Epidemics, 2021, 37, 100507.	1.5	4
40	Optimal immune specificity at the intersection of host life history and parasite epidemiology. PLoS Computational Biology, 2021, 17, e1009714.	1.5	2
41	The Evolution of Variance Control. Trends in Ecology and Evolution, 2020, 35, 22-33.	4.2	40
42	Why leveraging sex differences in immune tradeâ€offs may illuminate the evolution of senescence. Functional Ecology, 2020, 34, 129-140.	1.7	31
43	Using models to shape measles control and elimination strategies in low- and middle-income countries: A review of recent applications. Vaccine, 2020, 38, 979-992.	1.7	26
44	Successive passaging of a plant-associated microbiome reveals robust habitat and host genotype-dependent selection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1148-1159.	3.3	146
45	Study Protocol: A Cross-Sectional Examination of Socio-Demographic and Ecological Determinants of Nutrition and Disease Across Madagascar. Frontiers in Public Health, 2020, 8, 500.	1.3	6
46	The use of mobile phone data to inform analysis of COVID-19 pandemic epidemiology. Nature Communications, 2020, 11, 4961.	5.8	246
47	Using Serology to Anticipate Measles Post-honeymoon Period Outbreaks. Trends in Microbiology, 2020, 28, 597-600.	3.5	5
48	Seroprevalence of pertussis in Madagascar and implications for vaccination. Epidemiology and Infection, 2020, 148, e283.	1.0	1
49	The impact of COVID-19 nonpharmaceutical interventions on the future dynamics of endemic infections. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30547-30553.	3.3	325
50	Mathematical models to guide pandemic response. Science, 2020, 369, 368-369.	6.0	83
51	Rubella Vaccine Introduction in the South African Public Vaccination Schedule: Mathematical Modelling for Decision Making. Vaccines, 2020, 8, 383.	2.1	3
52	Structure, space and size: competing drivers of variation in urban and rural measles transmission. Journal of the Royal Society Interface, 2020, 17, 20200010.	1.5	3
53	Climatological, virological and sociological drivers of current and projected dengue fever outbreak dynamics in Sri Lanka. Journal of the Royal Society Interface, 2020, 17, 20200075.	1.5	8
54	Cyclic epidemics and extreme outbreaks induced by hydro-climatic variability and memory. Journal of the Royal Society Interface, 2020, 17, 20200521.	1.5	3

#	Article	IF	Citations
55	Tensor decomposition for infectious disease incidence data. Methods in Ecology and Evolution, 2020, 11, 1690-1700.	2.2	7
56	Immune life history, vaccination, and the dynamics of SARS-CoV-2 over the next 5 years. Science, 2020, 370, 811-818.	6.0	210
57	The duration of travel impacts the spatial dynamics of infectious diseases. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22572-22579.	3.3	27
58	Seroepidemiologic Study Designs for Determining SARS-COV-2 Transmission and Immunity. Emerging Infectious Diseases, 2020, 26, 1978-1986.	2.0	71
59	Susceptible supply limits the role of climate in the early SARS-CoV-2 pandemic. Science, 2020, 369, 315-319.	6.0	253
60	Which interventions work best in a pandemic?. Science, 2020, 368, 1063-1065.	6.0	114
61	Disease and healthcare burden of COVID-19 in the United States. Nature Medicine, 2020, 26, 1212-1217.	15.2	358
62	Aggregated mobility data could help fight COVID-19. Science, 2020, 368, 145-146.	6.0	303
63	Using Serology with Models to Clarify the Trajectory of the SARS-CoV-2 Emerging Outbreak. Trends in Immunology, 2020, 41, 849-851.	2.9	7
64	Long-term trends in seasonality of mortality in urban Madagascar: the role of the epidemiological transition. Global Health Action, 2020, 13, 1717411.	0.7	4
65	A competing-risks model explains hierarchical spatial coupling of measles epidemics en route to national elimination. Nature Ecology and Evolution, 2020, 4, 934-939.	3.4	12
66	Disentangling the dynamical underpinnings of differences in SARS-CoV-2 pathology using within-host ecological models. PLoS Pathogens, 2020, 16, e1009105.	2.1	14
67	A Global Immunological Observatory to meet a time of pandemics. ELife, 2020, 9, .	2.8	52
68	Towards better targeting: lessons from a posthoneymoon measles outbreak in Madagascar, 2018â€“2019. BMJ Global Health, 2020, 5, e003153.	2.0	1
69	Protective microbiomes can limit the evolution of host pathogen defense. Evolution Letters, 2019, 3, 534-543.	1.6	25
70	Phylogeography of rubella virus in Asia: Vaccination and demography shape synchronous outbreaks. Epidemics, 2019, 28, 100346.	1.5	7
71	Perfect counterfactuals for epidemic simulations. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180279.	1.8	12
72	Measles and the canonical path to elimination. Science, 2019, 364, 584-587.	6.0	35

#	Article	IF	Citations
73	Evolving resistance to pathogens. Science, 2019, 363, 1277-1278.	6.0	7
74	Disentangling serology to elucidate henipaâ€•and filovirus transmission in Madagascar fruit bats. Journal of Animal Ecology, 2019, 88, 1001-1016.	1.3	36
75	Population trends for two Malagasy fruit bats. Biological Conservation, 2019, 234, 165-171.	1.9	15
76	Seasonal gaps in measles vaccination coverage in Madagascar. Vaccine, 2019, 37, 2511-2519.	1.7	18
77	Mapping vaccination coverage to explore the effects of delivery mechanisms and inform vaccination strategies. Nature Communications, 2019, 10, 1633.	5.8	80
78	Why Evolve Reliance on the Microbiome for Timing of Ontogeny?. MBio, 2019, 10, .	1.8	22
79	Vaccine-driven virulence evolution: consequences of unbalanced reductions in mortality and transmission and implications for pertussis vaccines. Journal of the Royal Society Interface, 2019, 16, 20190642.	1.5	14
80	Epidemic dynamics of respiratory syncytial virus in current and future climates. Nature Communications, 2019, 10, 5512.	5.8	78
81	A spatial regression model for the disaggregation of areal unit based data to high-resolution grids with application to vaccination coverage mapping. Statistical Methods in Medical Research, 2019, 28, 3226-3241.	0.7	32
82	Characterizing the impact of spatial clustering of susceptibility for measles elimination. Vaccine, 2019, 37, 732-741.	1.7	54
83	The potential effect of improved provision of rabies post-exposure prophylaxis in Gavi-eligible countries: a modelling study. Lancet Infectious Diseases, The, 2019, 19, 102-111.	4.6	72
84	Healthcare utilization, provisioning of post-exposure prophylaxis, and estimation of human rabies burden in Madagascar. Vaccine, 2019, 37, A35-A44.	1.7	23
85	Response to Comment on â€œLong-term measles-induced immunomodulation increases overall childhood infectious disease mortalityâ€• Science, 2019, 365, .	6.0	7
86	High resolution age-structured mapping of childhood vaccination coverage in low and middle income countries. Vaccine, 2018, 36, 1583-1591.	1.7	78
87	Dynamic response of airborne infections to climate change: predictions for varicella. Climatic Change, 2018, 148, 547-560.	1.7	19
88	Rubella vaccination in India: identifying broad consequences of vaccine introduction and key knowledge gaps. Epidemiology and Infection, 2018, 146, 65-77.	1.0	12
89	Schedule and magnitude of reproductive investment under immune trade-offs explains sex differences in immunity. Nature Communications, 2018, 9, 4391.	5.8	29
90	Estimating sources and sinks of malaria parasites in Madagascar. Nature Communications, 2018, 9, 3897.	5.8	28

#	Article	IF	Citations
91	Urbanization and humidity shape the intensity of influenza epidemics in U.S. cities. Science, 2018, 362, 75-79.	6.0	272
92	Epidemic dynamics, interactions and predictability of enteroviruses associated with hand, foot and mouth disease in Japan. Journal of the Royal Society Interface, 2018, 15, 20180507.	1.5	27
93	Improving measles incidence inference using age-structured serological data. Epidemiology and Infection, 2018, 146, 1699-1706.	1.0	5
94	Measles outbreak risk in Pakistan: exploring the potential of combining vaccination coverage and incidence data with novel data-streams to strengthen control. Epidemiology and Infection, 2018, 146, 1575-1583.	1.0	17
95	Challenges and Opportunities in Disease Forecasting in Outbreak Settings: A Case Study of Measles in Lola Prefecture, Guinea. American Journal of Tropical Medicine and Hygiene, 2018, 98, 1489-1497.	0.6	10
96	Demographics, epidemiology and the impact of vaccination campaigns in a measles-free world â€“ Can elimination be maintained?. Vaccine, 2017, 35, 1488-1493.	1.7	17
97	Spatial and temporal dynamics of superspreading events in the 2014â€“2015 West Africa Ebola epidemic. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2337-2342.	3.3	151
98	A signature of tree health? Shifts in the microbiome and the ecological drivers of horse chestnut bleeding canker disease. New Phytologist, 2017, 215, 737-746.	3.5	61
99	Opportunities and challenges of a World Serum Bank â€“ Authors' reply. Lancet, The, 2017, 389, 252.	6.3	12
100	Elucidating transmission dynamics and host-parasite-vector relationships for rodent-borne Bartonella spp. in Madagascar. Epidemics, 2017, 20, 56-66.	1.5	19
101	Demographically framing trade-offs between sensitivity and specificity illuminates selection on immunity. Nature Ecology and Evolution, 2017, 1, 1766-1772.	3.4	24
102	The microbiome beyond the horizon of ecological and evolutionary theory. Nature Ecology and Evolution, 2017, 1, 1606-1615.	3.4	216
103	Identifying climate drivers of infectious disease dynamics: recent advances and challenges ahead. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170901.	1.2	91
104	Opportunities and challenges in modeling emerging infectious diseases. Science, 2017, 357, 149-152.	6.0	113
105	The geography of measles vaccination in the African Great Lakes region. Nature Communications, 2017, 8, 15585.	5.8	60
106	Drivers of measles mortality: the historic fatality burden of famine in Bangladesh. Epidemiology and Infection, 2017, 145, 3361-3369.	1.0	3
107	Seasonal Population Movements and the Surveillance and Control of Infectious Diseases. Trends in Parasitology, 2017, 33, 10-20.	1.5	24
108	Comparative dynamics, seasonality in transmission, and predictability of childhood infections in Mexico. Epidemiology and Infection, 2017, 145, 607-625.	1.0	18

#	Article	IF	Citations
109	Multinational patterns of seasonal asymmetry in human movement influence infectious disease dynamics. Nature Communications, 2017, 8, 2069.	5.8	73
110	Seasonal determinants of access to care: implications for measles outbreak risk in Madagascar. Lancet, The, 2017, 389, S14.	6.3	1
111	Hand, Foot, and Mouth Disease in China: Modeling Epidemic Dynamics of Enterovirus Serotypes and Implications for Vaccination. PLoS Medicine, 2016, 13, e1001958.	3.9	106
112	Persistent Chaos of Measles Epidemics in the Prevaccination United States Caused by a Small Change in Seasonal Transmission Patterns. PLoS Computational Biology, 2016, 12, e1004655.	1.5	49
113	Impact on Epidemic Measles of Vaccination Campaigns Triggered by Disease Outbreaks or Serosurveys: A Modeling Study. PLoS Medicine, 2016, 13, e1002144.	3.9	29
114	Introduction of rubella-containing-vaccine to Madagascar: implications for roll-out and local elimination. Journal of the Royal Society Interface, 2016, 13, 20151101.	1.5	14
115	Use of serological surveys to generate key insights into the changing global landscape of infectious disease. Lancet, The, 2016, 388, 728-730.	6.3	213
116	Opportunities and challenges of <scp>I</scp>ntegral <scp>P</scp>rojection <scp>M</scp>odels for modelling hostâ€“parasite dynamics. Journal of Animal Ecology, 2016, 85, 343-355.	1.3	26
117	Predicting the evolutionary dynamics of seasonal adaptation to novel climates in <i>Arabidopsis thaliana</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2812-21.	3.3	62
118	Forecasting Epidemiological and Evolutionary Dynamics of Infectious Diseases. Trends in Ecology and Evolution, 2016, 31, 776-788.	4.2	66
119	Assessing the global threat from Zika virus. Science, 2016, 353, aaf8160.	6.0	311
120	Hand, Foot, and Mouth Disease in China: Critical Community Size and Spatial Vaccination Strategies. Scientific Reports, 2016, 6, 25248.	1.6	15
121	Connecting Mobility to Infectious Diseases: The Promise and Limits of Mobile Phone Data. Journal of Infectious Diseases, 2016, 214, S414-S420.	1.9	158
122	The effects of host age and spatial location on bacterial community composition in the English Oak tree (<i>Quercus robur</i>). Environmental Microbiology Reports, 2016, 8, 649-658.	1.0	33
123	A cline in seed dormancy helps conserve the environment experienced during reproduction across the range of Arabidopsis thaliana. American Journal of Botany, 2016, 103, 47-59.	0.8	23
124	The effects of host age and spatial location on bacterial community composition in the English Oak tree (<i>Quercus robur</i>). Environmental Microbiology Reports, 2016, , .	1.0	1
125	Invasion Dynamics of Teratogenic Infections in Light of Rubella Control: Implications for Zika Virus. PLOS Currents, 2016, 8, .	1.4	5
126	The evolutionary dynamics of timing of maternal immunity: evaluating the role of ageâ€specific mortality. Journal of Evolutionary Biology, 2015, 28, 493-502.	0.8	2

#	Article	IF	Citations
127	Bottomâ€up regulation of malaria population dynamics in mice coâ€infected with lungâ€migratory nematodes. Ecology Letters, 2015, 18, 1387-1396.	3.0	24
128	Avoiding the crowds: the evolution of plastic responses to seasonal cues in a densityâ€dependent world. Journal of Ecology, 2015, 103, 819-828.	1.9	21
129	Understanding Herd Immunity. Trends in Immunology, 2015, 36, 753-755.	2.9	102
130	Modeling the Influence of Genetic and Environmental Variation on the Expression of Plant Life Cycles across Landscapes. American Naturalist, 2015, 185, 212-227.	1.0	94
131	Demographic buffering: titrating the effects of birth rate and imperfect immunity on epidemic dynamics. Journal of the Royal Society Interface, 2015, 12, 20141245.	1.5	26
132	Modeling infectious disease dynamics in the complex landscape of global health. Science, 2015, 347, aaa4339.	6.0	492
133	Reduced vaccination and the risk of measles and other childhood infections post-Ebola. Science, 2015, 347, 1240-1242.	6.0	169
134	The potential impact of coinfection on antimicrobial chemotherapy and drug resistance. Trends in Microbiology, 2015, 23, 537-544.	3.5	36
135	Environmental Drivers of the Spatiotemporal Dynamics of Respiratory Syncytial Virus in the United States. PLoS Pathogens, 2015, 11, e1004591.	2.1	119
136	Thirteen challenges in modelling plant diseases. Epidemics, 2015, 10, 6-10.	1.5	145
137	Statistical modelling of annual variation for inference on stochastic population dynamics using Integral Projection Models. Methods in Ecology and Evolution, 2015, 6, 1007-1017.	2.2	31
138	Long-term measles-induced immunomodulation increases overall childhood infectious disease mortality. Science, 2015, 348, 694-699.	6.0	319
139	Predictability in a highly stochastic system: final size of measles epidemics in small populations. Journal of the Royal Society Interface, 2015, 12, 20141125.	1.5	17
140	Seven challenges in modeling vaccine preventable diseases. Epidemics, 2015, 10, 11-15.	1.5	31
141	Transport networks and inequities in vaccination: remoteness shapes measles vaccine coverage and prospects for elimination across Africa. Epidemiology and Infection, 2015, 143, 1457-1466.	1.0	51
142	Quantifying seasonal population fluxes driving rubella transmission dynamics using mobile phone data. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11114-11119.	3.3	124
143	Six challenges in the eradication of infectious diseases. Epidemics, 2015, 10, 97-101.	1.5	35
144	Five challenges in evolution and infectious diseases. Epidemics, 2015, 10, 40-44.	1.5	38

#	Article	IF	Citations
145	Challenges in Modelling Infectious Disease Dynamics: Preface. Epidemics, 2015, 10, iii-iv.	1.5	16
146	Six challenges in modelling for public health policy. Epidemics, 2015, 10, 93-96.	1.5	59
147	Estimating Drivers of Autochthonous Transmission of Chikungunya Virus in its Invasion of the Americas. PLOS Currents, 2015, 7, .	1.4	62
148	The path of least resistance: aggressive or moderate treatment?. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140566.	1.2	79
149	Advancing population ecology with integral projection models: a practical guide. Methods in Ecology and Evolution, 2014, 5, 99-110.	2.2	231
150	The Cinderella syndrome: why do malaria-infected cells burst at midnight?. Trends in Parasitology, 2013, 29, 10-16.	1.5	83
151	Characterizing the dynamics of rubella relative to measles: the role of stochasticity. Journal of the Royal Society Interface, 2013, 10, 20130643.	1.5	12
152	Towards the endgame and beyond: complexities and challenges for the elimination of infectious diseases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120137.	1.8	103
153	Implications of spatially heterogeneous vaccination coverage for the risk of congenital rubella syndrome in South Africa. Journal of the Royal Society Interface, 2013, 10, 20120756.	1.5	33
154	<i><scp>IPM</scp>pack</i>: an <scp>R</scp> package for integral projection models. Methods in Ecology and Evolution, 2013, 4, 195-200.	2.2	93
155	Optimal Semelparity. PLoS ONE, 2013, 8, e57133.	1.1	7
156	Balancing Evidence and Uncertainty when Considering Rubella Vaccine Introduction. PLoS ONE, 2013, 8, e67639.	1.1	27
157	Persistence in Epidemic Metapopulations: Quantifying the Rescue Effects for Measles, Mumps, Rubella and Whooping Cough. PLoS ONE, 2013, 8, e74696.	1.1	35
158	Revealing mechanisms underlying variation in malaria virulence: effective propagation and host control of uninfected red blood cell supply. Journal of the Royal Society Interface, 2012, 9, 2804-2813.	1.5	22
159	Impact of birth rate, seasonality and transmission rate on minimum levels of coverage needed for rubella vaccination. Epidemiology and Infection, 2012, 140, 2290-2301.	1.0	62
160	Rubella vaccination: must not be business as usual. Lancet, The, 2012, 380, 217-218.	6.3	14
161	Structured models of infectious disease: Inference with discrete data. Theoretical Population Biology, 2012, 82, 275-282.	0.5	32
162	Measurement of vaccine-derived immunity: how do we use all the data?. Expert Review of Vaccines, 2012, 11, 747-749.	2.0	5

#	Article	IF	Citations
163	The epidemiology of rubella in Mexico: seasonality, stochasticity and regional variation. Epidemiology and Infection, 2011, 139, 1029-1038.	1.0	41
164	Modelling the first dose of measles vaccination: the role of maternal immunity, demographic factors, and delivery systems. Epidemiology and Infection, 2011, 139, 265-274.	1.0	29
165	Rubella metapopulation dynamics and importance of spatial coupling to the risk of congenital rubella syndrome in Peru. Journal of the Royal Society Interface, 2011, 8, 369-376.	1.5	52
166	Partitioning Regulatory Mechanisms of Within-Host Malaria Dynamics Using the Effective Propagation Number. Science, 2011, 333, 984-988.	6.0	86
167	Measuring the Performance of Vaccination Programs Using Cross-Sectional Surveys: A Likelihood Framework and Retrospective Analysis. PLoS Medicine, 2011, 8, e1001110.	3.9	54
168	Evolutionary bet-hedging in the real world: empirical evidence and challenges revealed by plants. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3055-3064.	1.2	322
169	A time to grow and a time to die: a new way to analyze the dynamics of size, light, age, and death of tropical trees. Ecology, 2009, 90, 2766-2778.	1.5	67
170	When Worlds Collide: Reconciling Models, data, and Analysis. Israel Journal of Ecology and Evolution, 2009, 55, 227-231.	0.2	1
171	Overcoming data sparseness and parametric constraints in modeling of tree mortality: a new nonparametric Bayesian model. Canadian Journal of Forest Research, 2009, 39, 1677-1687.	0.8	25
172	Seasonality and comparative dynamics of six childhood infections in pre-vaccination Copenhagen. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4111-4118.	1.2	90
173	Seed predators and the evolutionarily stable flowering strategy in the invasive plant, Carduus nutans. Evolutionary Ecology, 2009, 23, 893-906.	0.5	16
174	Is lifeâ€history buffering or lability adaptive in stochastic environments?. Oikos, 2009, 118, 972-980.	1.2	82
175	Life history in a model system: opening the black box with <i>Arabidopsis thaliana</i>. Ecology Letters, 2009, 12, 593-600.	3.0	33
176	Tree growth inference and prediction when the point of measurement changes: modelling around buttresses in tropical forests. Journal of Tropical Ecology, 2009, 25, 1-12.	0.5	47
177	Transient sensitivities of non-indigenous shrub species indicate complicated invasion dynamics. Biological Invasions, 2008, 10, 833-846.	1.2	22
178	Evolution of flowering decisions in a stochastic, density-dependent environment. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10466-10470.	3.3	56
179	Evolution of Delayed Reproduction in Uncertain Environments: A Lifeâ€History Perspective. American Naturalist, 2008, 172, 797-805.	1.0	68
180	Environmental uncertainty, autocorrelation and the evolution of survival. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 2153-2160.	1.2	37

#	Article	IF	Citations
181	Why evolutionary biologists should be demographers. Trends in Ecology and Evolution, 2007, 22, 205-212.	4.2	199
182	What happens if density increases? Conservation implications of population influx into refuges. Animal Conservation, 2007, 10, 478-486.	1.5	10
183	Negative Selection on BRCA1 Susceptibility Alleles Sheds Light on the Population Genetics of Late-Onset Diseases and Aging Theory. PLoS ONE, 2007, 2, e1206.	1.1	29
184	Growth-survival trade-offs and allometries in rosette-forming perennials. Functional Ecology, 2006, 20, 217-225.	1.7	37
185	Disease spread: heating and stirring the global viral soup. Nature, 0, , .	13.7	0