C Jessica E Metcalf

List of Publications by Year
in descending order

195	12,240	31796 53	39236 95
papers	citations	h-index	g-index

260	260	260	20711
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Closing the gap in the <scp>Janzenâ€“Connell</scp> hypothesis: What determines pathogen diversity?. Ecology Letters, 2024, 27, .	6.7	1
2	Predicting the impact of COVID-19 non-pharmaceutical intervention on short- and medium-term dynamics of enterovirus D68 in the US. Epidemics, 2024, 46, 100736.	3.0	0
3	Inferring COVID-19 testing and vaccination behavior from New Jersey testing data. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.6	0
4	31. Trade-Offs between Mortality Components in Life History Evolution. , 2024, , 715-740.		0
5	Rapid growth and the evolution of complete metamorphosis in insects. Proceedings of the National Academy of Sciences of the United States of America, 2024, 121, .	7.6	0
6	Predicting pathogen mutual invasibility and co-circulation. Science, 2024, 386, 175-179.	20.9	0
7	Mechanistic models to meet the challenge of climate change in plantâ€“pathogen systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2023, 378, .	4.2	6
8	Long-term measles antibody profiles following different vaccine schedules in China, a longitudinal study. Nature Communications, 2023, 14, .	13.2	10
9	Relative role of community transmission and campus contagion in driving the spread of SARS-CoV-2: Lessons from Princeton University. PNAS Nexus, 2023, 2, .	2.6	0
10	Excess mortality associated with the COVID-19 pandemic during the 2020 and 2021 waves in Antananarivo, Madagascar. BMJ Global Health, 2023, 8, e011801.	5.5	4
11	Medium-term scenarios of COVID-19 as a function of immune uncertainties and chronic disease. Journal of the Royal Society Interface, 2023, 20, .	3.4	3
12	The diversity of cGLR receptors: shedding new light on innate immunity. Trends in Immunology, 2023, 44, 763-765.	6.8	0
13	Infectious disease in an era of global change. Nature Reviews Microbiology, 2022, 20, 193-205.	29.2	721
14	Existing human mobility data sources poorly predicted the spatial spread of SARS-CoV-2 in Madagascar. Epidemics, 2022, 38, 100534.	3.0	6
15	Impact of health system strengthening on delivery strategies to improve child immunisation coverage and inequalities in rural Madagascar. BMJ Global Health, 2022, 7, e006824.	5.5	5
16	Assessing the risk of vaccine-driven virulence evolution in SARS-CoV-2. Royal Society Open Science, 2022, 9, 211021.	2.5	9
17	Plant neighborhood shapes diversity and reduces interspecific variation of the phyllosphere microbiome. ISME Journal, 2022, 16, 1376-1387.	10.0	57
18	Leveraging serology to titrate immunization program functionality for diphtheria in Madagascar. Epidemiology and Infection, 2022, 150, 1-34.	2.1	1

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19	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.	6.7	12
20	The evolution of powerful yet perilous immune systems. Trends in Immunology, 2022, 43, 117-131.	6.8	14
21	The required size of cluster randomized trials of nonpharmaceutical interventions in epidemic settings. Statistics in Medicine, 2022, 41, 2466-2482.	1.7	1
22	Natural selection for imprecise vertical transmission in hostâ€“microbiota systems. Nature Ecology and Evolution, 2022, 6, 77-87.	8.0	42
23	Why do some coronaviruses become pandemic threats when others do not?. PLoS Biology, 2022, 20, e3001652.	5.4	3
24	Disease spread: heating and stirring the global viral soup. Nature, 2022, 607, 455-456.	36.2	2
25	Immuno-epidemiology and the predictability of viral evolution. Science, 2022, 376, 1161-1162.	20.9	17
26	Comparing the age and sex trajectories of SARS-CoV-2 morbidity and mortality with other respiratory pathogens. Royal Society Open Science, 2022, 9, .	2.5	4
27	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, .	3.4	20
28	Assessing the Effects of Measles Virus Infections on Childhood Infectious Disease Mortality in Brazil. Journal of Infectious Diseases, 2022, 227, 133-140.	3.9	5
29	MBSE and the Concept Model of the Internet of Things-Based Data Link System Designing Method. , 2022, , .		0
30	Hosts, microbiomes, and the evolution of critical windows. Evolution Letters, 2022, 6, 412-425.	3.4	3
31	Impact of disruptions to routine vaccination programs, quantifying burden of measles, and mapping targeted supplementary immunization activities. Epidemics, 2022, 41, 100647.	3.0	5
32	Long-term benefits of nonpharmaceutical interventions for endemic infections are shaped by respiratory pathogen dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.6	12
33	Monitoring for outbreak-associated excess mortality in an African city: Detection limits in Antananarivo, Madagascar. International Journal of Infectious Diseases, 2021, 103, 338-342.	3.3	13
34	Variation in SARS-CoV-2 outbreaks across sub-Saharan Africa. Nature Medicine, 2021, 27, 447-453.	30.1	83
35	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.	3.4	16
36	Assessing the influence of climate on wintertime SARS-CoV-2 outbreaks. Nature Communications, 2021, 12, 846.	13.2	38

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37	Estimating SARS-CoV-2 seroprevalence and epidemiological parameters with uncertainty from serological surveys. ELife, 2021, 10, .	5.9	71
38	Maximizing and evaluating the impact of test-trace-isolate programs: A modeling study. PLoS Medicine, 2021, 18, e1003585.	8.4	45
39	Partial immunity and SARS-CoV-2 mutationsâ€"Response. Science, 2021, 372, 354-355.	20.9	2
40	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.	2.3	6
41	Epidemiological and evolutionary considerations of SARS-CoV-2 vaccine dosing regimes. Science, 2021, 372, 363-370.	20.9	204
42	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.	2.4	13
43	Fine-scale variation in malaria prevalence across ecological regions in Madagascar: a cross-sectional study. BMC Public Health, 2021, 21, 1018.	3.0	10
44	Differential drivers of intraspecific and interspecific competition during malariaâ€"helminth co-infection. Parasitology, 2021, 148, 1030-1039.	1.8	3
45	The Challenge of Achieving Immunity Through Multiple-Dose Vaccines in Madagascar. American Journal of Epidemiology, 2021, 190, 2085-2093.	3.7	3
46	The limits of SARS-CoV-2 predictability. Nature Ecology and Evolution, 2021, 5, 1052-1054.	8.0	11
47	Building toward useful SARS-CoV-2 models in Africa. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.6	3
48	Lives saved with vaccination for 10 pathogens across 112 countries in a pre-COVID-19 world. ELife, 2021, 10, .	5.9	58
49	A general model for the demographic signatures of the transition from pandemic emergence to endemicity. Science Advances, 2021, 7, .	10.9	15
50	Trip duration drives shift in travel network structure with implications for the predictability of spatial disease spread. PLoS Computational Biology, 2021, 17, e1009127.	3.1	4
51	Characterizing human mobility patterns in rural settings of sub-Saharan Africa. ELife, 2021, 10, .	5.9	11
52	Vaccine nationalism and the dynamics and control of SARS-CoV-2. Science, 2021, 373, eabj7364.	20.9	85
53	Why are there so few (or so many) circulating coronaviruses?. Trends in Immunology, 2021, 42, 751-763.	6.8	8
54	Challenges in modeling the emergence of novel pathogens. Epidemics, 2021, 37, 100516.	3.0	16

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55	Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. Epidemics, 2021, 37, 100507.	3.0	7
56	Optimal immune specificity at the intersection of host life history and parasite epidemiology. PLoS Computational Biology, 2021, 17, e1009714.	3.1	3
57	The Evolution of Variance Control. Trends in Ecology and Evolution, 2020, 35, 22-33.	8.8	45
58	Why leveraging sex differences in immune tradeâ€offs may illuminate the evolution of senescence. Functional Ecology, 2020, 34, 129-140.	3.6	37
59	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.	4.0	31
60	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.	7.6	160
61	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.	2.8	10
62	The use of mobile phone data to inform analysis of COVID-19 pandemic epidemiology. Nature Communications, 2020, 11, 4961.	13.2	268
63	Using Serology to Anticipate Measles Post-honeymoon Period Outbreaks. Trends in Microbiology, 2020, 28, 597-600.	7.7	5
64	Seroprevalence of pertussis in Madagascar and implications for vaccination. Epidemiology and Infection, 2020, 148, e283.	2.1	1
65	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.	7.6	364
66	Mathematical models to guide pandemic response. Science, 2020, 369, 368-369.	20.9	88
67	Rubella Vaccine Introduction in the South African Public Vaccination Schedule: Mathematical Modelling for Decision Making. Vaccines, 2020, 8, 383.	4.5	3
68	Structure, space and size: competing drivers of variation in urban and rural measles transmission. Journal of the Royal Society Interface, 2020, 17, 20200010.	3.4	3
69	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.	3.4	10
70	Cyclic epidemics and extreme outbreaks induced by hydro-climatic variability and memory. Journal of the Royal Society Interface, 2020, 17, 20200521.	3.4	5
71	Tensor decomposition for infectious disease incidence data. Methods in Ecology and Evolution, 2020, 11, 1690-1700.	5.3	7
72	Immune life history, vaccination, and the dynamics of SARS-CoV-2 over the next 5 years. Science, 2020, 370, 811-818.	20.9	222

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73	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.	7.6	28
74	Seroepidemiologic Study Designs for Determining SARS-COV-2 Transmission and Immunity. Emerging Infectious Diseases, 2020, 26, 1978-1986.	4.4	74
75	Disease and healthcare burden of COVID-19 in the United States. Nature Medicine, 2020, 26, 1212-1217.	30.1	373
76	Aggregated mobility data could help fight COVID-19. Science, 2020, 368, 145-146.	20.9	315
77	Using Serology with Models to Clarify the Trajectory of the SARS-CoV-2 Emerging Outbreak. Trends in Immunology, 2020, 41, 849-851.	6.8	8
78	Long-term trends in seasonality of mortality in urban Madagascar: the role of the epidemiological transition. Global Health Action, 2020, 13, 1717411.	2.0	5
79	A competing-risks model explains hierarchical spatial coupling of measles epidemics en route to national elimination. Nature Ecology and Evolution, 2020, 4, 934-939.	8.0	14
80	Disentangling the dynamical underpinnings of differences in SARS-CoV-2 pathology using within-host ecological models. PLoS Pathogens, 2020, 16, e1009105.	4.1	14
81	A Global Immunological Observatory to meet a time of pandemics. ELife, 2020, 9, .	5.9	60
82	Towards better targeting: lessons from a posthoneymoon measles outbreak in Madagascar, 2018â€“2019. BMJ Global Health, 2020, 5, e003153.	5.5	1
83	Protective microbiomes can limit the evolution of host pathogen defense. Evolution Letters, 2019, 3, 534-543.	3.4	27
84	Phylogeography of rubella virus in Asia: Vaccination and demography shape synchronous outbreaks. Epidemics, 2019, 28, 100346.	3.0	9
85	Perfect counterfactuals for epidemic simulations. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180279.	4.2	13
86	Evolving resistance to pathogens. Science, 2019, 363, 1277-1278.	20.9	7
87	Disentangling serology to elucidate henipaâ€•and filovirus transmission in Madagascar fruit bats. Journal of Animal Ecology, 2019, 88, 1001-1016.	2.9	40
88	Population trends for two Malagasy fruit bats. Biological Conservation, 2019, 234, 165-171.	4.2	15
89	Seasonal gaps in measles vaccination coverage in Madagascar. Vaccine, 2019, 37, 2511-2519.	4.0	19
90	Mapping vaccination coverage to explore the effects of delivery mechanisms and inform vaccination strategies. Nature Communications, 2019, 10, 1633.	13.2	83

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91	Why Evolve Reliance on the Microbiome for Timing of Ontogeny?. MBio, 2019, 10, .	4.4	25
92	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.	3.4	14
93	Epidemic dynamics of respiratory syncytial virus in current and future climates. Nature Communications, 2019, 10, 5512.	13.2	86
94	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.	1.6	36
95	Characterizing the impact of spatial clustering of susceptibility for measles elimination. Vaccine, 2019, 37, 732-741.	4.0	58
96	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.	8.9	77
97	Healthcare utilization, provisioning of post-exposure prophylaxis, and estimation of human rabies burden in Madagascar. Vaccine, 2019, 37, A35-A44.	4.0	27
98	Response to Comment on â€œLong-term measles-induced immunomodulation increases overall childhood infectious disease mortalityâ€• Science, 2019, 365, .	20.9	7
99	High resolution age-structured mapping of childhood vaccination coverage in low and middle income countries. Vaccine, 2018, 36, 1583-1591.	4.0	83
100	Dynamic response of airborne infections to climate change: predictions for varicella. Climatic Change, 2018, 148, 547-560.	3.7	23
101	Rubella vaccination in India: identifying broad consequences of vaccine introduction and key knowledge gaps. Epidemiology and Infection, 2018, 146, 65-77.	2.1	12
102	Schedule and magnitude of reproductive investment under immune trade-offs explains sex differences in immunity. Nature Communications, 2018, 9, 4391.	13.2	31
103	Estimating sources and sinks of malaria parasites in Madagascar. Nature Communications, 2018, 9, 3897.	13.2	32
104	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.	3.4	28
105	Improving measles incidence inference using age-structured serological data. Epidemiology and Infection, 2018, 146, 1699-1706.	2.1	6
106	Adenosine Promotes the Recovery of Mice from the Cuprizone-Induced Behavioral and Morphological Changes while Effecting on Microglia and Inflammatory Cytokines in the Brain. Journal of NeuroImmune Pharmacology, 2018, 13, 412-425.	4.0	11
107	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.	2.1	18
108	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.	3.5	11

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109	Demographics, epidemiology and the impact of vaccination campaigns in a measles-free world â€“ Can elimination be maintained?. Vaccine, 2017, 35, 1488-1493.	4.0	18
110	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.	7.6	158
111	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.	7.8	64
112	Opportunities and challenges of a World Serum Bank â€“ Authors' reply. Lancet, The, 2017, 389, 252.	12.1	13
113	Elucidating transmission dynamics and host-parasite-vector relationships for rodent-borne Bartonella spp. in Madagascar. Epidemics, 2017, 20, 56-66.	3.0	19
114	Demographically framing trade-offs between sensitivity and specificity illuminates selection on immunity. Nature Ecology and Evolution, 2017, 1, 1766-1772.	8.0	24
115	The microbiome beyond the horizon of ecological and evolutionary theory. Nature Ecology and Evolution, 2017, 1, 1606-1615.	8.0	233
116	Identifying climate drivers of infectious disease dynamics: recent advances and challenges ahead. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170901.	2.8	95
117	Opportunities and challenges in modeling emerging infectious diseases. Science, 2017, 357, 149-152.	20.9	124
118	The geography of measles vaccination in the African Great Lakes region. Nature Communications, 2017, 8, 15585.	13.2	64
119	Drivers of measles mortality: the historic fatality burden of famine in Bangladesh. Epidemiology and Infection, 2017, 145, 3361-3369.	2.1	4
120	Seasonal Population Movements and the Surveillance and Control of Infectious Diseases. Trends in Parasitology, 2017, 33, 10-20.	3.3	27
121	Comparative dynamics, seasonality in transmission, and predictability of childhood infections in Mexico. Epidemiology and Infection, 2017, 145, 607-625.	2.1	19
122	Multinational patterns of seasonal asymmetry in human movement influence infectious disease dynamics. Nature Communications, 2017, 8, 2069.	13.2	78
123	Seasonal determinants of access to care: implications for measles outbreak risk in Madagascar. Lancet, The, 2017, 389, S14.	12.1	1
124	Hand, Foot, and Mouth Disease in China: Modeling Epidemic Dynamics of Enterovirus Serotypes and Implications for Vaccination. PLoS Medicine, 2016, 13, e1001958.	8.4	114
125	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.	3.1	50
126	Impact on Epidemic Measles of Vaccination Campaigns Triggered by Disease Outbreaks or Serosurveys: A Modeling Study. PLoS Medicine, 2016, 13, e1002144.	8.4	31

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127	Introduction of rubella-containing-vaccine to Madagascar: implications for roll-out and local elimination. Journal of the Royal Society Interface, 2016, 13, 20151101.	3.4	16
128	Use of serological surveys to generate key insights into the changing global landscape of infectious disease. Lancet, The, 2016, 388, 728-730.	12.1	226
129	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.	2.9	26
130	Predicting the evolutionary dynamics of seasonal adaptation to novel climates in Arabidopsis thaliana. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2812-21.	7.6	63
131	Forecasting Epidemiological and Evolutionary Dynamics of Infectious Diseases. Trends in Ecology and Evolution, 2016, 31, 776-788.	8.8	71
132	Assessing the global threat from Zika virus. Science, 2016, 353, aaf8160.	20.9	320
133	Hand, Foot, and Mouth Disease in China: Critical Community Size and Spatial Vaccination Strategies. Scientific Reports, 2016, 6, 25248.	3.4	17
134	Connecting Mobility to Infectious Diseases: The Promise and Limits of Mobile Phone Data. Journal of Infectious Diseases, 2016, 214, S414-S420.	3.9	164
135	The effects of host age and spatial location on bacterial community composition in the English Oak tree (Quercus robur). Environmental Microbiology Reports, 2016, 8, 649-658.	2.6	33
136	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.	1.9	23
137	Invasion Dynamics of Teratogenic Infections in Light of Rubella Control: Implications for Zika Virus. PLOS Currents, 2016, 8, .	1.6	9
138	The evolutionary dynamics of timing of maternal immunity: evaluating the role of ageâ€specific mortality. Journal of Evolutionary Biology, 2015, 28, 493-502.	1.6	2
139	Bottomâ€up regulation of malaria population dynamics in mice coâ€infected with lungâ€migratory nematodes. Ecology Letters, 2015, 18, 1387-1396.	6.7	27
140	Avoiding the crowds: the evolution of plastic responses to seasonal cues in a densityâ€dependent world. Journal of Ecology, 2015, 103, 819-828.	4.1	21
141	Understanding Herd Immunity. Trends in Immunology, 2015, 36, 753-755.	6.8	108
142	Modeling the Influence of Genetic and Environmental Variation on the Expression of Plant Life Cycles across Landscapes. American Naturalist, 2015, 185, 212-227.	2.2	98
143	Demographic buffering: titrating the effects of birth rate and imperfect immunity on epidemic dynamics. Journal of the Royal Society Interface, 2015, 12, 20141245.	3.4	30
144	Modeling infectious disease dynamics in the complex landscape of global health. Science, 2015, 347, aaa4339.	20.9	522

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145	The potential impact of coinfection on antimicrobial chemotherapy and drug resistance. Trends in Microbiology, 2015, 23, 537-544.	7.7	37
146	Environmental Drivers of the Spatiotemporal Dynamics of Respiratory Syncytial Virus in the United States. PLoS Pathogens, 2015, 11, e1004591.	4.1	129
147	Thirteen challenges in modelling plant diseases. Epidemics, 2015, 10, 6-10.	3.0	151
148	Statistical modelling of annual variation for inference on stochastic population dynamics using Integral Projection Models. Methods in Ecology and Evolution, 2015, 6, 1007-1017.	5.3	35
149	Predictability in a highly stochastic system: final size of measles epidemics in small populations. Journal of the Royal Society Interface, 2015, 12, 20141125.	3.4	18
150	Seven challenges in modeling vaccine preventable diseases. Epidemics, 2015, 10, 11-15.	3.0	31
151	Transport networks and inequities in vaccination: remoteness shapes measles vaccine coverage and prospects for elimination across Africa. Epidemiology and Infection, 2015, 143, 1457-1466.	2.1	57
152	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.	7.6	128
153	Six challenges in the eradication of infectious diseases. Epidemics, 2015, 10, 97-101.	3.0	37
154	Five challenges in evolution and infectious diseases. Epidemics, 2015, 10, 40-44.	3.0	40
155	Challenges in Modelling Infectious Disease Dynamics: Preface. Epidemics, 2015, 10, iii-iv.	3.0	16
156	Six challenges in modelling for public health policy. Epidemics, 2015, 10, 93-96.	3.0	64
157	Estimating Drivers of Autochthonous Transmission of Chikungunya Virus in its Invasion of the Americas. PLOS Currents, 2015, 7, .	1.6	62
158	The path of least resistance: aggressive or moderate treatment?. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140566.	2.8	81
159	Advancing population ecology with integral projection models: a practical guide. Methods in Ecology and Evolution, 2014, 5, 99-110.	5.3	242
160	The Cinderella syndrome: why do malaria-infected cells burst at midnight?. Trends in Parasitology, 2013, 29, 10-16.	3.3	92
161	Characterizing the dynamics of rubella relative to measles: the role of stochasticity. Journal of the Royal Society Interface, 2013, 10, 20130643.	3.4	14
162	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.	4.2	104

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163	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.	3.4	34
164	<scp>IPM</scp>pack: an <scp>R</scp> package for integral projection models. Methods in Ecology and Evolution, 2013, 4, 195-200.	5.3	95
165	Optimal Semelparity. PLoS ONE, 2013, 8, e57133.	2.5	7
166	Balancing Evidence and Uncertainty when Considering Rubella Vaccine Introduction. PLoS ONE, 2013, 8, e67639.	2.5	29
167	Persistence in Epidemic Metapopulations: Quantifying the Rescue Effects for Measles, Mumps, Rubella and Whooping Cough. PLoS ONE, 2013, 8, e74696.	2.5	37
168	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.	3.4	25
169	Impact of birth rate, seasonality and transmission rate on minimum levels of coverage needed for rubella vaccination. Epidemiology and Infection, 2012, 140, 2290-2301.	2.1	66
170	Rubella vaccination: must not be business as usual. Lancet, The, 2012, 380, 217-218.	12.1	14
171	Structured models of infectious disease: Inference with discrete data. Theoretical Population Biology, 2012, 82, 275-282.	1.0	34
172	Measurement of vaccine-derived immunity: how do we use all the data?. Expert Review of Vaccines, 2012, 11, 747-749.	4.5	5
173	The epidemiology of rubella in Mexico: seasonality, stochasticity and regional variation. Epidemiology and Infection, 2011, 139, 1029-1038.	2.1	41
174	Modelling the first dose of measles vaccination: the role of maternal immunity, demographic factors, and delivery systems. Epidemiology and Infection, 2011, 139, 265-274.	2.1	29
175	Using timelines as part of recoveryâ€focused practice in psychosis. Journal of Psychiatric and Mental Health Nursing, 2011, 18, 869-877.	2.4	8
176	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.	3.4	53
177	Partitioning Regulatory Mechanisms of Within-Host Malaria Dynamics Using the Effective Propagation Number. Science, 2011, 333, 984-988.	20.9	92
178	Measuring the Performance of Vaccination Programs Using Cross-Sectional Surveys: A Likelihood Framework and Retrospective Analysis. PLoS Medicine, 2011, 8, e1001110.	8.4	55
179	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.	2.8	336
180	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.	3.5	69

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181	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.	1.8	25
182	Seasonality and comparative dynamics of six childhood infections in pre-vaccination Copenhagen. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 4111-4118.	2.8	91
183	Seed predators and the evolutionarily stable flowering strategy in the invasive plant, Carduus nutans. Evolutionary Ecology, 2009, 23, 893-906.	1.3	16
184	Is lifeâ€history buffering or lability adaptive in stochastic environments?. Oikos, 2009, 118, 972-980.	2.7	84
185	Life history in a model system: opening the black box with Arabidopsis thaliana. Ecology Letters, 2009, 12, 593-600.	6.7	34
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