Rachel E Baker

List of Publications by Year in Descending Order

27 papers	828 citations	11 h-index	28 g-index
30 ext. papers	1,427 ext. citations	18.2 avg, IF	5.12 L-index

#	Paper	IF	Citations
27	Challenges in evaluating risks and policy options around endemic establishment or elimination of novel pathogens. *Epidemics*, **2021**, 37, 100507	5.1	2
26	Infectious disease in an era of global change. *Nature Reviews Microbiology*, **2021**,	22.2	52
25	Partial immunity and SARS-CoV-2 mutations-Response. *Science*, **2021**, 372, 354-355	33.3	2
24	Epidemiological and evolutionary considerations of SARS-CoV-2 vaccine dosing regimes. *Science*, **2021**, 372, 363-370	33.3	90
23	The limits of SARS-CoV-2 predictability. *Nature Ecology and Evolution*, **2021**, 5, 1052-1054	12.3	3
22	Variation in SARS-CoV-2 outbreaks across sub-Saharan Africa. *Nature Medicine*, **2021**, 27, 447-453	50.5	43
21	Epidemiological and evolutionary considerations of SARS-CoV-2 vaccine dosing regimes **2021**,		8
20	Assessing the influence of climate on wintertime SARS-CoV-2 outbreaks. *Nature Communications*, **2021**, 12, 846	17.4	19
19	Vaccine nationalism and the dynamics and control of SARS-CoV-2. *Science*, **2021**, 373, eabj7364	33.3	19
18	Susceptible supply limits the role of climate in the early SARS-CoV-2 pandemic. *Science*, **2020**, 369, 315-319	33.3	180
17	Climate change drives increase in modeled HIV prevalence. *Climatic Change*, **2020**, 163, 237-252	4.5	9
16	High variation expected in the pace and burden of SARS-CoV-2 outbreaks across sub-Saharan Africa **2020**,		3
15	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	11.5	116
14	Climate and Urbanization Drive Mosquito Preference for Humans. *Current Biology*, **2020**, 30, 3570-3579.e6	6.3	61
13	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	4.1	4
12	Cyclic epidemics and extreme outbreaks induced by hydro-climatic variability and memory. *Journal of the Royal Society Interface*, **2020**, 17, 20200521	4.1	2
11	The Impact of Climate Change on Vaccine-Preventable Diseases: Insights From Current Research and New Directions. *Current Environmental Health Reports*, **2020**, 7, 384-391	6.5	8

List of Publications

10	Immune life history, vaccination, and the dynamics of SARS-CoV-2 over the next 5 years. *Science*, **2020**, 370, 811-818	33.3	121
9	Characterizing the contribution of high temperatures to child undernourishment in Sub-Saharan Africa. *Scientific Reports*, **2020**, 10, 18796	4.9	10
8	Epidemic dynamics of respiratory syncytial virus in current and future climates. *Nature Communications*, **2019**, 10, 5512	17.4	40
7	Dynamic response of airborne infections to climate change: predictions for varicella. *Climatic Change*, **2018**, 148, 547-560	4.5	14
6	Climate and urbanization drive mosquito preference for humans		2
5	Susceptible supply limits the role of climate in the COVID-19 pandemic		9
4	Immuno-epidemiological life-history and the dynamics of SARS-CoV-2 over the next five years		4
3	Assessing the influence of climate on future wintertime SARS-CoV-2 outbreaks		1
2	Vaccine nationalism and the dynamics and control of SARS-CoV-2		3
1	Implications of climatic and demographic change for seasonal influenza dynamics and evolution		1