

# Virginia E Pitzer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101  
papers

3,491  
citations

29  
h-index

57  
g-index

129  
ext. papers

4,728  
ext. citations

10.1  
avg, IF

5.63  
L-index

#	Paper	IF	Citations
101	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
100	Epidemic dynamics at the human-animal interface. <i>Science</i> , <b>2009</b> , 326, 1362-7	33.3	419
99	Estimation of Excess Deaths Associated With the COVID-19 Pandemic in the United States, March to May 2020. <i>JAMA Internal Medicine</i> , <b>2020</b> , 180, 1336-1344	11.5	238
98	Coast-to-Coast Spread of SARS-CoV-2 during the Early Epidemic in the United States. <i>Cell</i> , <b>2020</b> , 181, 990-996.e5	56.2	235
97	Demographic variability, vaccination, and the spatiotemporal dynamics of rotavirus epidemics. <i>Science</i> , <b>2009</b> , 325, 290-4	33.3	185
96	The burden of typhoid fever in low- and middle-income countries: A meta-regression approach. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005376	4.8	148
95	Global seasonality of rotavirus disease. <i>Pediatric Infectious Disease Journal</i> , <b>2013</b> , 32, e134-47	3.4	114
94	Understanding reduced rotavirus vaccine efficacy in low socio-economic settings. <i>PLoS ONE</i> , <b>2012</b> , 7, e41720	3.7	90
93	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
92	Identifying climate drivers of infectious disease dynamics: recent advances and challenges ahead. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 284,	4.4	64
91	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
90	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
89	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
88	The Typhoid Vaccine Acceleration Consortium (TyVAC): Vaccine effectiveness study designs: Accelerating the introduction of typhoid conjugate vaccines and reducing the global burden of enteric fever. Report from a meeting held on 26-27 October 2016, Oxford, UK. <i>Vaccine</i> , <b>2017</b> , 35, 5081-5088	4.1	49
87	Direct and indirect effects of rotavirus vaccination: comparing predictions from transmission dynamic models. <i>PLoS ONE</i> , <b>2012</b> , 7, e42320	3.7	46
86	Time series analysis of malaria in Afghanistan: using ARIMA models to predict future trends in incidence. <i>Malaria Journal</i> , <b>2016</b> , 15, 566	3.6	45
85	Estimating variability in the transmission of severe acute respiratory syndrome to household contacts in Hong Kong, China. <i>American Journal of Epidemiology</i> , <b>2007</b> , 166, 355-63	3.8	43

84	Impact of rotavirus vaccination on epidemiological dynamics in England and Wales. <i>Vaccine</i> , <b>2012</b> , 30, 552-64	4.1	41
83	Epidemic dynamics of respiratory syncytial virus in current and future climates. <i>Nature Communications</i> , <b>2019</b> , 10, 5512	17.4	40
82	Successive blood meals enhance virus dissemination within mosquitoes and increase transmission potential. <i>Nature Microbiology</i> , <b>2020</b> , 5, 239-247	26.6	39
81	The Relationship Between Blood Sample Volume and Diagnostic Sensitivity of Blood Culture for Typhoid and Paratyphoid Fever: A Systematic Review and Meta-Analysis. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 218, S255-S267	7	38
80	Cost-effectiveness analysis of typhoid conjugate vaccines in five endemic low- and middle-income settings. <i>Vaccine</i> , <b>2017</b> , 35, 3506-3514	4.1	37
79	Typhoid conjugate vaccines: a new tool in the fight against antimicrobial resistance. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, e26-e30	25.5	37
78	Asymptomatic Transmission and the Infection Fatality Risk for COVID-19: Implications for School Reopening. <i>Clinical Infectious Diseases</i> , <b>2021</b> , 72, 1493-1496	11.6	35
77	The STRATAA study protocol: a programme to assess the burden of enteric fever in Bangladesh, Malawi and Nepal using prospective population census, passive surveillance, serological studies and healthcare utilisation surveys. <i>BMJ Open</i> , <b>2017</b> , 7, e016283	3	33
76	Estimating the early death toll of COVID-19 in the United States <b>2020</b> ,		33
75	Mathematical Modeling to Assess the Drivers of the Recent Emergence of Typhoid Fever in Blantyre, Malawi. <i>Clinical Infectious Diseases</i> , <b>2015</b> , 61 Suppl 4, S251-8	11.6	32
74	Did Large-Scale Vaccination Drive Changes in the Circulating Rotavirus Population in Belgium?. <i>Scientific Reports</i> , <b>2015</b> , 5, 18585	4.9	31
73	Little evidence for genetic susceptibility to influenza A (H5N1) from family clustering data. <i>Emerging Infectious Diseases</i> , <b>2007</b> , 13, 1074-6	10.2	30
72	Temporally Varying Relative Risks for Infectious Diseases: Implications for Infectious Disease Control. <i>Epidemiology</i> , <b>2017</b> , 28, 136-144	3.1	28
71	Cost-effectiveness of routine and campaign use of typhoid Vi-conjugate vaccine in Gavi-eligible countries: a modelling study. <i>Lancet Infectious Diseases, The</i> , <b>2019</b> , 19, 728-739	25.5	27
70	Association Between the Decline in Pneumococcal Disease in Unimmunized Adults and Vaccine-Derived Protection Against Colonization in Toddlers and Preschool-Aged Children. <i>American Journal of Epidemiology</i> , <b>2019</b> , 188, 160-168	3.8	26
69	Odds of Testing Positive for SARS-CoV-2 Following Receipt of 3 vs 2 Doses of the BNT162b2 mRNA Vaccine. <i>JAMA Internal Medicine</i> , <b>2021</b> ,	11.5	25
68	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
67	Guidelines for multi-model comparisons of the impact of infectious disease interventions. <i>BMC Medicine</i> , <b>2019</b> , 17, 163	11.4	22

66	Typhoid fever in Fiji: a reversible plague?. <i>Tropical Medicine and International Health</i> , <b>2014</b> , 19, 1284-92	2.3	22
65	Cholera Epidemics of the Past Offer New Insights Into an Old Enemy. <i>Journal of Infectious Diseases</i> , <b>2018</b> , 217, 641-649	7	20
64	Case Fatality Rate of Enteric Fever in Endemic Countries: A Systematic Review and Meta-analysis. <i>Clinical Infectious Diseases</i> , <b>2018</b> , 67, 628-638	11.6	20
63	Invasion of two tick-borne diseases across New England: harnessing human surveillance data to capture underlying ecological invasion processes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	20
62	In-season and out-of-season variation of rotavirus genotype distribution and age of infection across 12 European countries before the introduction of routine vaccination, 2007/08 to 2012/13. <i>Eurosurveillance</i> , <b>2016</b> , 21,	19.8	20
61	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
60	Vaccination with BNT162b2 reduces transmission of SARS-CoV-2 to household contacts in Israel.. <i>Science</i> , <b>2022</b> , 375, eabl4292	33.3	19
59	Seasonal dynamics of typhoid and paratyphoid fever. <i>Scientific Reports</i> , <b>2018</b> , 8, 6870	4.9	18
58	Naturally Acquired Immunity Against Rotavirus Infection and Gastroenteritis in Children: Paired Reanalyses of Birth Cohort Studies. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 216, 317-326	7	18
57	The Impact of Changes in Diagnostic Testing Practices on Estimates of COVID-19 Transmission in the United States. <i>American Journal of Epidemiology</i> , <b>2021</b> , 190, 1908-1917	3.8	18
56	Etiology of Diarrhea Among Hospitalized Children in Blantyre, Malawi, Following Rotavirus Vaccine Introduction: A Case-Control Study. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 220, 213-218	7	16
55	Strategies to Prevent Cholera Introduction during International Personnel Deployments: A Computational Modeling Analysis Based on the 2010 Haiti Outbreak. <i>PLoS Medicine</i> , <b>2016</b> , 13, e1001947	11.6	16
54	The impact of changes in diagnostic testing practices on estimates of COVID-19 transmission in the United States <b>2020</b> ,		16
53	Reconstructing the course of the COVID-19 epidemic over 2020 for US states and counties: results of a Bayesian evidence synthesis model <b>2021</b> ,		16
52	The Impact of Vaccination and Prior Exposure on Stool Shedding of Salmonella Typhi and Salmonella Paratyphi in 6 Controlled Human Infection Studies. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, 1265-1273	11.6	16
51	Modelling seasonal variations in the age and incidence of Kawasaki disease to explore possible infectious aetiologies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 2736-43	4.4	15
50	Predicting the Impact of Typhoid Conjugate Vaccines on Antimicrobial Resistance. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, S96-S104	11.6	13
49	Vaccination with BNT162b2 reduces transmission of SARS-CoV-2 to household contacts in Israel. <b>2021</b> ,		13

48	Protection by vaccination of children against typhoid fever with a Vi-tetanus toxoid conjugate vaccine in urban Bangladesh: a cluster-randomised trial. <i>Lancet, The</i> , <b>2021</b> , 398, 675-684	40	13
47	The Invisible Burden: Diagnosing and Combatting Typhoid Fever in Asia and Africa. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, S395-S401	11.6	12
46	Evaluating strategies to improve rotavirus vaccine impact during the second year of life in Malawi. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	11
45	Reduced-Dose Schedule of Prophylaxis Based on Local Data Provides Near-Optimal Protection Against Respiratory Syncytial Virus. <i>Clinical Infectious Diseases</i> , <b>2015</b> , 61, 506-14	11.6	10
44	The importance of thinking beyond the water-supply in cholera epidemics: A historical urban case-study. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0006103	4.8	10
43	Exploring the relationship between incidence and the average age of infection during seasonal epidemics. <i>Journal of Theoretical Biology</i> , <b>2009</b> , 260, 175-85	2.3	10
42	Diarrhea Patterns and Climate: A Spatiotemporal Bayesian Hierarchical Analysis of Diarrheal Disease in Afghanistan. <i>American Journal of Tropical Medicine and Hygiene</i> , <b>2019</b> , 101, 525-533	3.2	10
41	The impact of migration and antimicrobial resistance on the transmission dynamics of typhoid fever in Kathmandu, Nepal: A mathematical modelling study. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005547	4.8	9
40	The Surveillance for Enteric Fever in Asia Project (SEAP), Severe Typhoid Fever Surveillance in Africa (SETA), Surveillance of Enteric Fever in India (SEFI), and Strategic Typhoid Alliance Across Africa and Asia (STRATAA) Population-based Enteric Fever Studies: A Review of Methodological Similarities and Differences. <i>Clinical Infectious Diseases</i> , <b>2020</b> , 71, S102-S110	11.6	9
39	Comparative transmissibility of SARS-CoV-2 variants Delta and Alpha in New England, USA.. <i>Cell Reports Medicine</i> , <b>2022</b> , 3, 100583	18	9
38	Generating the Evidence for Typhoid Vaccine Introduction: Considerations for Global Disease Burden Estimates and Vaccine Testing Through Human Challenge. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, S402-S407	11.6	8
37	Postvaccination Serum Antirotavirus Immunoglobulin A as a Correlate of Protection Against Rotavirus Gastroenteritis Across Settings. <i>Journal of Infectious Diseases</i> , <b>2020</b> , 222, 309-318	7	7
36	Under-detection of blood culture-positive enteric fever cases: The impact of missing data and methods for adjusting incidence estimates. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0007805	4.8	7
35	Local variations in the timing of RSV epidemics. <i>BMC Infectious Diseases</i> , <b>2016</b> , 16, 674	4	7
34	Efficacy of typhoid conjugate vaccine in Nepal: final results of a phase 3, randomised, controlled trial. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e1561-e1568	13.6	7
33	Household studies provide key insights on the transmission of, and susceptibility to, SARS-CoV-2. <i>Lancet Infectious Diseases, The</i> , <b>2020</b> , 20, 1103-1104	25.5	7
32	Estimation of the Timing and Intensity of Reemergence of Respiratory Syncytial Virus Following the COVID-19 Pandemic in the US.. <i>JAMA Network Open</i> , <b>2021</b> , 4, e2141779	10.4	7
31	Infrequent Transmission of Monovalent Human Rotavirus Vaccine Virus to Household Contacts of Vaccinated Infants in Malawi. <i>Journal of Infectious Diseases</i> , <b>2019</b> , 219, 1730-1734	7	6

30	Forecasting Demand for the Typhoid Conjugate Vaccine in Low- and Middle-income Countries. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, S154-S160	11.6	6
29	Community transmission of rotavirus infection in a vaccinated population in Blantyre, Malawi: a prospective household cohort study. <i>Lancet Infectious Diseases</i> , <b>2021</b> , 21, 731-740	25.5	6
28	Short Term Reduction in the Odds of Testing Positive for SARS-CoV-2; a Comparison Between Two Doses and Three doses of the BNT162b2 Vaccine		6
27	Linking data and models: the importance of statistical analyses to inform models for the transmission dynamics of infections. <i>Epidemiology</i> , <b>2012</b> , 23, 520-2	3.1	5
26	Waning Effectiveness of the BNT162b2 Vaccine Against Infection in Adolescents. <b>2022</b> ,		5
25	Changes in historical typhoid transmission across 16 U.S. cities, 1889-1931: Quantifying the impact of investments in water and sewer infrastructures. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008048 <sup>4.8</sup>	4.8	4
24	Identifying signatures of the impact of rotavirus vaccines on hospitalizations using sentinel surveillance data from Latin American countries. <i>Vaccine</i> , <b>2020</b> , 38, 323-329	4.1	4
23	Duration and Density of Fecal Rotavirus Shedding in Vaccinated Malawian Children With Rotavirus Gastroenteritis. <i>Journal of Infectious Diseases</i> , <b>2020</b> , 222, 2035-2040	7	4
22	Heterogeneous susceptibility to rotavirus infection and gastroenteritis in two birth cohort studies: Parameter estimation and epidemiological implications. <i>PLoS Computational Biology</i> , <b>2019</b> , 15, e1007014 <sup>5</sup>	5	3
21	Water and Filth: Reevaluating the First Era of Sanitary Typhoid Intervention (1840-1940). <i>Clinical Infectious Diseases</i> , <b>2019</b> , 69, S377-S384	11.6	3
20	Burden of enteric fever at three urban sites in Africa and Asia: a multicentre population-based study. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e1688-e1696	13.6	3
19	Rotavirus Genotypes in Hospitalized Children with Acute Gastroenteritis Before and After Rotavirus Vaccine Introduction in Blantyre, Malawi, 1997 - 2019. <i>Journal of Infectious Diseases</i> , <b>2020</b> ,	7	3
18	A Computationally Efficient Method for Probabilistic Parameter Threshold Analysis for Health Economic Evaluations. <i>Medical Decision Making</i> , <b>2020</b> , 40, 669-679	2.5	3
17	Global diarrhoea-associated mortality estimates and models in children: Recommendations for dataset and study selection. <i>Vaccine</i> , <b>2021</b> , 39, 4391-4398	4.1	3
16	Association of enteropathogen detection with diarrhoea by age and high versus low child mortality settings: a systematic review and meta-analysis. <i>The Lancet Global Health</i> , <b>2021</b> , 9, e1402-e1410	13.6	3
15	The Design and Analysis of Seroefficacy Studies for Typhoid Conjugate Vaccines. <i>Clinical Infectious Diseases</i> , <b>2019</b> , 68, S183-S190	11.6	2
14	Surveillance data confirm multiyear predictions of rotavirus dynamics in New York City. <i>Science Advances</i> , <b>2020</b> , 6, eaax0586	14.3	2
13	Community factors associated with local epidemic timing of respiratory syncytial virus: A spatiotemporal modeling study. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	2

12	Short term, relative effectiveness of four doses versus three doses of BNT162b2 vaccine in people aged 60 years and older in Israel: retrospective, test negative, case-control study. <i>BMJ, The</i> , e071113	5.9	2
11	Modeling of rotavirus transmission dynamics and impact of vaccination in Ghana. <i>Vaccine</i> , <b>2020</b> , 38, 4820-4828	4.8	1
10	Assessment and optimization of respiratory syncytial virus prophylaxis in Connecticut, 1996-2013. <i>Scientific Reports</i> , <b>2021</b> , 11, 10684	4.9	1
9	A Bayesian approach for estimating typhoid fever incidence from large-scale facility-based passive surveillance data. <i>Statistics in Medicine</i> , <b>2021</b> , 40, 5853-5870	2.3	1
8	Population immunity to SARS-CoV-2 in US states and counties due to infection and vaccination, January 2020-November 2021. <b>2021</b> ,		1
7	Combining genomic and epidemiological data to compare the transmissibility of SARS-CoV-2 variants Alpha and Iota.. <i>Communications Biology</i> , <b>2022</b> , 5, 439	6.7	1
6	Strategies for typhoid conjugate vaccines in endemic nations - AuthorsReply. <i>Lancet Infectious Diseases, The</i> , <b>2021</b> , 21, 321-322	25.5	0
5	Changes in historical typhoid transmission across 16 U.S. cities, 1889-1931: Quantifying the impact of investments in water and sewer infrastructures <b>2020</b> , 14, e0008048		
4	Changes in historical typhoid transmission across 16 U.S. cities, 1889-1931: Quantifying the impact of investments in water and sewer infrastructures <b>2020</b> , 14, e0008048		
3	Changes in historical typhoid transmission across 16 U.S. cities, 1889-1931: Quantifying the impact of investments in water and sewer infrastructures <b>2020</b> , 14, e0008048		
2	Changes in historical typhoid transmission across 16 U.S. cities, 1889-1931: Quantifying the impact of investments in water and sewer infrastructures <b>2020</b> , 14, e0008048		
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