

Joseph N S Eisenberg

List of Publications by Citations

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116
papers

3,578
citations

36
h-index

55
g-index

123
ext. papers

4,231
ext. citations

6.4
avg, IF

5.52
L-index

#	Paper	IF	Citations
116	Do U.S. Environmental Protection Agency water quality guidelines for recreational waters prevent gastrointestinal illness? A systematic review and meta-analysis. <i>Environmental Health Perspectives</i> , 2003 , 111, 1102-9	8.4	322
115	Seasonality of rotavirus disease in the tropics: a systematic review and meta-analysis. <i>International Journal of Epidemiology</i> , 2009 , 38, 1487-96	7.8	186
114	Heavy rainfall events and diarrhea incidence: the role of social and environmental factors. <i>American Journal of Epidemiology</i> , 2014 , 179, 344-52	3.8	109
113	Retail meat consumption and the acquisition of antimicrobial resistant Escherichia coli causing urinary tract infections: a case-control study. <i>Foodborne Pathogens and Disease</i> , 2007 , 4, 419-31	3.8	108
112	Environmental determinants of infectious disease: a framework for tracking causal links and guiding public health research. <i>Environmental Health Perspectives</i> , 2007 , 115, 1216-23	8.4	100
111	Environmental change and infectious disease: how new roads affect the transmission of diarrheal pathogens in rural Ecuador. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 19460-5	11.5	98
110	Characterization of novel VP7, VP4, and VP6 genotypes of a previously untypeable group A rotavirus. <i>Virology</i> , 2009 , 385, 58-67	3.6	95
109	The joint effects of efficacy and compliance: a study of household water treatment effectiveness against childhood diarrhea. <i>Water Research</i> , 2013 , 47, 1181-90	12.5	87
108	Integrating disease control strategies: balancing water sanitation and hygiene interventions to reduce diarrheal disease burden. <i>American Journal of Public Health</i> , 2007 , 97, 846-52	5.1	86
107	Dynamics and control of infections transmitted from person to person through the environment. <i>American Journal of Epidemiology</i> , 2009 , 170, 257-65	3.8	79
106	Risk Factors for Infant Feeding Practices Along a Rural-Urban Gradient in Coastal Esmeraldas Province, Ecuador. <i>Current Developments in Nutrition</i> , 2021 , 5, 824-824	0.4	78
105	Synergistic effects between rotavirus and coinfecting pathogens on diarrheal disease: evidence from a community-based study in northwestern Ecuador. <i>American Journal of Epidemiology</i> , 2012 , 176, 387-95	3.8	77
104	Disease transmission models for public health decision making: analysis of epidemic and endemic conditions caused by waterborne pathogens. <i>Environmental Health Perspectives</i> , 2002 , 110, 783-90	8.4	76
103	Following the water: a controlled study of drinking water storage in northern coastal Ecuador. <i>Environmental Health Perspectives</i> , 2008 , 116, 1533-40	8.4	73
102	Fomite-mediated transmission as a sufficient pathway: a comparative analysis across three viral pathogens. <i>BMC Infectious Diseases</i> , 2018 , 18, 540	4	66
101	Epidemiology of the silent polio outbreak in Rahat, Israel, based on modeling of environmental surveillance data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E10625-E10633	11.5	61
100	I get height with a little help from my friends: herd protection from sanitation on child growth in rural Ecuador. <i>International Journal of Epidemiology</i> , 2016 , 45, 460-9	7.8	57

99	Opinion: Mathematical models: a key tool for outbreak response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18095-6	11.5	56
98	Linking quantitative microbial risk assessment and epidemiological data: informing safe drinking water trials in developing countries. <i>Environmental Science & Technology</i> , 2012 , 46, 5160-7	10.3	54
97	Informing optimal environmental influenza interventions: how the host, agent, and environment alter dominant routes of transmission. <i>PLoS Computational Biology</i> , 2010 , 6, e1000969	5	54
96	Dose-response relationships for environmentally mediated infectious disease transmission models. <i>PLoS Computational Biology</i> , 2017 , 13, e1005481	5	54
95	Drivers of water quality variability in northern coastal Ecuador. <i>Environmental Science & Technology</i> , 2009 , 43, 1788-97	10.3	52
94	Shared sanitation and the prevalence of diarrhea in young children: evidence from 51 countries, 2001-2011. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 91, 173-80	3.2	44
93	Impact of rainfall on diarrheal disease risk associated with unimproved water and sanitation. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 90, 705-11	3.2	44
92	Herd Protection from Drinking Water, Sanitation, and Hygiene Interventions. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016 , 95, 1201-1210	3.2	44
91	Toward a systems approach to enteric pathogen transmission: from individual independence to community interdependence. <i>Annual Review of Public Health</i> , 2012 , 33, 239-57	20.6	42
90	Antibiotic Resistance in Animal and Environmental Samples Associated with Small-Scale Poultry Farming in Northwestern Ecuador. <i>MSphere</i> , 2016 , 1,	5	41
89	Are fecal indicator bacteria appropriate measures of recreational water risks in the tropics: A cohort study of beach goers in Brazil?. <i>Water Research</i> , 2015 , 87, 59-68	12.5	40
88	Relating diarrheal disease to social networks and the geographic configuration of communities in rural Ecuador. <i>American Journal of Epidemiology</i> , 2007 , 166, 1088-95	3.8	40
87	Quantifying pathogen risks associated with potable reuse: A risk assessment case study for <i>Cryptosporidium</i> . <i>Water Research</i> , 2017 , 119, 252-266	12.5	37
86	Health risks from exposure to untreated wastewater used for irrigation in the Mezquital Valley, Mexico: A 25-year update. <i>Water Research</i> , 2017 , 123, 834-850	12.5	37
85	Rethinking indicators of microbial drinking water quality for health studies in tropical developing countries: case study in northern coastal Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2012 , 86, 499-507	3.2	37
84	A dynamic model to assess microbial health risks associated with beneficial uses of biosolids. <i>Risk Analysis</i> , 2004 , 24, 221-36	3.9	37
83	The role of disease transmission and conferred immunity in outbreaks: analysis of the 1993 <i>Cryptosporidium</i> outbreak in Milwaukee, Wisconsin. <i>American Journal of Epidemiology</i> , 2005 , 161, 62-72	3.8	37
82	Social connectedness and disease transmission: social organization, cohesion, village context, and infection risk in rural Ecuador. <i>American Journal of Public Health</i> , 2012 , 102, 2233-9	5.1	36

81	An evaluation of parsimony for microbial risk assessment models. <i>Environmetrics</i> , 2008 , 19, 61-78	1.3	36
80	Microbial risk assessment framework for exposure to amended sludge projects. <i>Environmental Health Perspectives</i> , 2008 , 116, 727-33	8.4	35
79	The joint effects of water and sanitation on diarrhoeal disease: a multicountry analysis of the Demographic and Health Surveys. <i>Tropical Medicine and International Health</i> , 2015 , 20, 284-92	2.3	34
78	Decision Tree Method for the Classification of Chemical Pollutants: Incorporation of Across-Chemical Variability and Within-Chemical Uncertainty. <i>Environmental Science & Technology</i> , 1998 , 32, 3396-3404	10.3	33
77	Coaggregation occurs amongst bacteria within and between biofilms in domestic showerheads. <i>Biofouling</i> , 2013 , 29, 53-68	3.3	32
76	Modeling Biphasic Environmental Decay of Pathogens and Implications for Risk Analysis. <i>Environmental Science & Technology</i> , 2017 , 51, 2186-2196	10.3	31
75	Ebola: mobility data. <i>Science</i> , 2014 , 346, 433	33.3	31
74	Household effectiveness vs. laboratory efficacy of point-of-use chlorination. <i>Water Research</i> , 2014 , 54, 69-77	12.5	31
73	Small-Scale Food Animal Production and Antimicrobial Resistance: Mountain, Molehill, or Something in-between?. <i>Environmental Health Perspectives</i> , 2017 , 125, 104501	8.4	29
72	Identifying etiological agents causing diarrhea in low income Ecuadorian communities. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014 , 91, 563-9	3.2	29
71	The Sonoma water evaluation trial: a randomized drinking water intervention trial to reduce gastrointestinal illness in older adults. <i>American Journal of Public Health</i> , 2009 , 99, 1988-95	5.1	28
70	Antibiotic Resistome Associated with Small-Scale Poultry Production in Rural Ecuador. <i>Environmental Science & Technology</i> , 2018 , 52, 8165-8172	10.3	27
69	Livestock Ownership Among Rural Households and Child Morbidity and Mortality: An Analysis of Demographic Health Survey Data from 30 Sub-Saharan African Countries (2005-2015). <i>American Journal of Tropical Medicine and Hygiene</i> , 2017 , 96, 741-748	3.2	26
68	Q fever risk across a dynamic, heterogeneous landscape in Laikipia County, Kenya. <i>EcoHealth</i> , 2014 , 11, 429-33	3.1	26
67	Chemical Dynamics of Persistent Organic Pollutants: A Sensitivity Analysis Relating Soil Concentration Levels to Atmospheric Emissions. <i>Environmental Science & Technology</i> , 1998 , 32, 115-123	10.3	25
66	Modeling environmentally mediated rotavirus transmission: The role of temperature and hydrologic factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E2782-E2790	11.5	24
65	The dynamics of methicillin-resistant <i>Staphylococcus aureus</i> exposure in a hospital model and the potential for environmental intervention. <i>BMC Infectious Diseases</i> , 2013 , 13, 595	4	22
64	GENERALIST FEEDING BEHAVIORS OF Aedes sierrensis LARVAE AND THEIR EFFECTS ON PROTOZOAN POPULATIONS. <i>Ecology</i> , 2000 , 81, 921-935	4.6	22

63	The Role of Mobile Genetic Elements in the Spread of Antimicrobial-Resistant Escherichia coli From Chickens to Humans in Small-Scale Production Poultry Operations in Rural Ecuador. <i>American Journal of Epidemiology</i> , 2018 , 187, 558-567	3.8	22
62	Effects of selection pressure and genetic association on the relationship between antibiotic resistance and virulence in Escherichia coli. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 6733-40	5.9	21
61	Symptomatic and subclinical infection with rotavirus P[8]G9, rural Ecuador. <i>Emerging Infectious Diseases</i> , 2007 , 13, 574-80	10.2	21
60	Raising the level of analysis of food-borne outbreaks: food-sharing networks in rural coastal Ecuador. <i>Epidemiology</i> , 2008 , 19, 384-90	3.1	20
59	Equivalency of indirect and direct potable reuse paradigms based on a quantitative microbial risk assessment framework. <i>Microbial Risk Analysis</i> , 2019 , 12, 60-75	1.6	19
58	Quantitative Microbial Risk Assessment and Infectious Disease Transmission Modeling of Waterborne Enteric Pathogens. <i>Current Environmental Health Reports</i> , 2018 , 5, 293-304	6.5	19
57	A pilot randomized, controlled trial of an in-home drinking water intervention among HIV+ persons. <i>Journal of Water and Health</i> , 2005 , 3, 173-184	2.2	19
56	Bias due to secondary transmission in estimation of attributable risk from intervention trials. <i>Epidemiology</i> , 2003 , 14, 442-50	3.1	18
55	Successes and shortcomings of polio eradication: a transmission modeling analysis. <i>American Journal of Epidemiology</i> , 2013 , 177, 1236-45	3.8	17
54	In-roads to the spread of antibiotic resistance: regional patterns of microbial transmission in northern coastal Ecuador. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 1029-39	4.1	17
53	Measuring Environmental Exposure to Enteric Pathogens in Low-Income Settings: Review and Recommendations of an Interdisciplinary Working Group. <i>Environmental Science & Technology</i> , 2020 , 54, 11673-11691	10.3	17
52	Spatial Variability of in Rivers of Northern Coastal Ecuador. <i>Water (Switzerland)</i> , 2015 , 7, 818-832	3	15
51	Rapid changes in rotaviral genotypes in Ecuador. <i>Journal of Medical Virology</i> , 2009 , 81, 2109-13	19.7	15
50	Inferences drawn from a risk assessment compared directly with a randomized trial of a home drinking water intervention. <i>Environmental Health Perspectives</i> , 2006 , 114, 1199-204	8.4	15
49	Where science meets policy: comparing longitudinal and cross-sectional designs to address diarrhoeal disease burden in the developing world. <i>International Journal of Epidemiology</i> , 2012 , 41, 504-13 ⁸	7.8	14
48	Transition in the cause of fever from malaria to dengue, Northwestern Ecuador, 1990-2011. <i>Emerging Infectious Diseases</i> , 2013 , 19, 1642-5	10.2	13
47	The sero-epidemiology of Coxiella burnetii (Q fever) across livestock species and herding contexts in Laikipia County, Kenya. <i>Zoonoses and Public Health</i> , 2019 , 66, 316-324	2.9	13
46	Spatiotemporal Error in Rainfall Data: Consequences for Epidemiologic Analysis of Waterborne Diseases. <i>American Journal of Epidemiology</i> , 2019 , 188, 950-959	3.8	12

45	Understanding the Impact of Rainfall on Diarrhea: Testing the Concentration-Dilution Hypothesis Using a Systematic Review and Meta-Analysis. <i>Environmental Health Perspectives</i> , 2020 , 128, 126001	8.4	12
44	High Prevalence of Extended-Spectrum Beta-Lactamase CTX-M-Producing in Small-Scale Poultry Farming in Rural Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019 , 100, 374-376	3.2	12
43	Systems Science Approaches for Global Environmental Health Research: Enhancing Intervention Design and Implementation for Household Air Pollution (HAP) and Water, Sanitation, and Hygiene (WASH) Programs. <i>Environmental Health Perspectives</i> , 2020 , 128, 105001	8.4	11
42	Reduced infectivity of waterborne viable but nonculturable <i>Helicobacter pylori</i> strain SS1 in mice. <i>Helicobacter</i> , 2017 , 22, e12391	4.9	10
41	A dynamic quantitative microbial risk assessment for norovirus in potable reuse systems. <i>Microbial Risk Analysis</i> , 2020 , 14, 100088	1.6	10
40	Ask when--not just whether--it's a risk: How regional context influences local causes of diarrheal disease. <i>American Journal of Epidemiology</i> , 2014 , 179, 1247-54	3.8	9
39	A pilot randomized, controlled trial of an in-home drinking water intervention among HIV + persons. <i>Journal of Water and Health</i> , 2005 , 3, 173-84	2.2	9
38	Moving towards transformational WASH. <i>The Lancet Global Health</i> , 2019 , 7, e1492	13.6	8
37	Determinants of Latrine Use Behavior: The Psychosocial Proxies of Individual-Level Defecation Practices in Rural Coastal Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019 , 100, 733-741	3.2	8
36	Trends of child undernutrition in rural Ecuadorian communities with differential access to roads, 2004-2013. <i>Maternal and Child Nutrition</i> , 2018 , 14, e12588	3.4	7
35	Determinants of Short-term Movement in a Developing Region and Implications for Disease Transmission. <i>Epidemiology</i> , 2018 , 29, 117-125	3.1	7
34	Distribution of Enteroinvasive and Enterotoxigenic <i>Escherichia coli</i> Across Space and Time in Northwestern Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016 , 94, 276-84	3.2	7
33	A space-time point process model for analyzing and predicting case patterns of diarrheal disease in northwestern Ecuador. <i>Spatial and Spatio-temporal Epidemiology</i> , 2014 , 9, 23-35	3.5	7
32	Unexpected distribution of the fluoroquinolone-resistance gene <i>qnrB</i> in <i>Escherichia coli</i> isolates from different human and poultry origins in Ecuador. <i>International Microbiology</i> , 2015 , 18, 85-90	3	7
31	The Water Quality in Rio Highlights the Global Public Health Concern Over Untreated Sewage. <i>Environmental Health Perspectives</i> , 2016 , 124, A180-A181	8.4	7
30	The Critical Role of Compliance in Delivering Health Gains from Environmental Health Interventions. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019 , 100, 777-779	3.2	6
29	Household coping strategies associated with unreliable water supplies and diarrhea in Ecuador, an upper-middle-income country. <i>Water Research</i> , 2020 , 170, 115269	12.5	6
28	Social cohesion and passive adaptation in relation to climate change and disease. <i>Global Environmental Change</i> , 2019 , 58,	10.1	5

27	Modeling Spatial Risk of Diarrheal Disease Associated with Household Proximity to Untreated Wastewater Used for Irrigation in the Mezquital Valley, Mexico. <i>Environmental Health Perspectives</i> , 2020 , 128, 77002	8.4	5
26	Linking Decision Theory and Quantitative Microbial Risk Assessment: Tradeoffs Between Compliance and Efficacy for Waterborne Disease Interventions. <i>Risk Analysis</i> , 2019 , 39, 2214-2226	3.9	5
25	Protecting the herd from H1N1. <i>Science</i> , 2009 , 326, 934; author reply 934	33.3	5
24	A critical analysis of recreational water guidelines developed from temperate climate data and applied to the tropics. <i>Water Research</i> , 2020 , 170, 115294	12.5	5
23	Mass Gatherings and Diarrheal Disease Transmission Among Rural Communities in Coastal Ecuador. <i>American Journal of Epidemiology</i> , 2019 , 188, 1475-1483	3.8	4
22	The Impact of Vaccination Efforts on the Spatiotemporal Patterns of the Hepatitis A Outbreak in Michigan, 2016-2018. <i>Epidemiology</i> , 2020 , 31, 628-635	3.1	4
21	Phenotypic variations in persistence and infectivity between and within environmentally transmitted pathogen populations impact population-level epidemic dynamics. <i>BMC Infectious Diseases</i> , 2019 , 19, 449	4	3
20	Spatial Exposure of Agricultural Antimicrobial Resistance in Relation to Free-Ranging Domestic Chicken Movement Patterns among Agricultural Communities in Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 103, 1803-1809	3.2	3
19	Low-Cost Intervention to Increase Influenza Vaccination Rate at a Comprehensive Cancer Center. <i>Journal of Cancer Education</i> , 2017 , 32, 871-877	1.8	2
18	Does Basic Sanitation Prevent Diarrhea? Contextualizing Recent Intervention Trials through a Historical Lens. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 17,	4.6	2
17	A Dynamic Model to Quantify Pathogen Loadings from Combined Sewer Overflows Suitable for River Basin Scale Exposure Assessments. <i>Water Quality, Exposure, and Health</i> , 2014 , 5, 163-172		2
16	An urban-to-rural continuum of malaria risk: new analytic approaches characterize patterns in Malawi. <i>Malaria Journal</i> , 2021 , 20, 418	3.6	2
15	Determinants of Childhood Zoonotic Enteric Infections in a Semirural Community of Quito, Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 102, 1269-1278	3.2	2
14	Effect of childhood rotavirus vaccination on community rotavirus prevalence in rural Ecuador, 2008-13. <i>International Journal of Epidemiology</i> , 2020 , 49, 1691-1701	7.8	2
13	Associations between livestock ownership and lower odds of anaemia among children 6-59 months old are not mediated by animal-source food consumption in Ghana. <i>Maternal and Child Nutrition</i> , 2021 , 17, e13163	3.4	2
12	Immunologic and Epidemiologic Drivers of Norovirus Transmission in Daycare and School Outbreaks. <i>Epidemiology</i> , 2021 , 32, 351-359	3.1	2
11	A dengue outbreak in a rural community in Northern Coastal Ecuador: An analysis using unmanned aerial vehicle mapping. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009679	4.8	2
10	Shared water facilities and risk of COVID-19 in resource-poor settings: A transmission modelling study 2022 , 1, e0000011		2

9	COLFORD ET AL. RESPOND. <i>American Journal of Public Health</i> , 2010 , 100, 1558-1559	5.1	1
8	Multiple burdens of malnutrition and relative remoteness in rural Ecuadorian communities. <i>Public Health Nutrition</i> , 2021 , 24, 4591-4602	3.3	1
7	Perceptions of Local Vulnerability and the Relative Importance of Climate Change in Rural Ecuador. <i>Human Ecology</i> , 2020 , 48, 383-395	2	1
6	Countering the Curse of Dimensionality: Exploring Data-generating Mechanisms Through Participant Observation and Mechanistic Modeling. <i>Epidemiology</i> , 2019 , 30, 609-614	3.1	1
5	Gut microbiome, enteric infections and child growth across a rural-urban gradient: protocol for the ECoMiD prospective cohort study. <i>BMJ Open</i> , 2021 , 11, e046241	3	0
4	The role of time-varying viral shedding in modelling environmental surveillance for public health: revisiting the 2013 poliovirus outbreak in Israel.. <i>Journal of the Royal Society Interface</i> , 2022 , 19, 20220006	4.1	0
3	Author's responses to the comment by Daniele Lantagne on "Household effectiveness vs. laboratory efficacy of point-of-use chlorination". <i>Water Research</i> , 2015 , 69, 331-333	12.5	
2	The Statewide Economic Impact of Child Care-Associated Viral Acute Gastroenteritis Infections. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2021 , 10, 847-855	4.8	
1	"Chicken dumping": Motivations and perceptions in shifting poultry production practices. <i>One Health</i> , 2021 , 13, 100296	7.6	