

Joseph N S Eisenberg

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

4,710
citations

76326

40
h-index

118850

62
g-index

123
all docs

123
docs citations

123
times ranked

5567
citing authors

#	ARTICLE	IF	CITATIONS
1	Ruminant-Related Risk Factors are Associated with Shiga Toxinâ€“Producing Escherichia coli Infection in Children in Southern Ghana. American Journal of Tropical Medicine and Hygiene, 2022, 106, 513-522.	1.4	5
2	Shared water facilities and risk of COVID-19 in resource-poor settings: A transmission modelling study. , 2022, 1, e0000011.		3
3	Characterizing Behaviors Associated with Enteric Pathogen Exposure among Infants in Rural Ecuador through Structured Observations. American Journal of Tropical Medicine and Hygiene, 2022, 106, 1747-1756.	1.4	2
4	The role of time-varying viral shedding in modelling environmental surveillance for public health: revisiting the 2013 poliovirus outbreak in Israel. Journal of the Royal Society Interface, 2022, 19, 20220006.	3.4	8
5	What is Global Health Equity? A Proposed Definition. Annals of Global Health, 2022, 88, .	2.0	11
6	The importance of community during rapid development: The influence of social networks on acute gastrointestinal illness in rural Ecuador. SSM - Population Health, 2022, 19, 101159.	2.7	1
7	Multiple burdens of malnutrition and relative remoteness in rural Ecuadorian communities. Public Health Nutrition, 2021, 24, 4591-4602.	2.2	3
8	Immunologic and Epidemiologic Drivers of Norovirus Transmission in Daycare and School Outbreaks. Epidemiology, 2021, 32, 351-359.	2.7	9
9	Associations between livestock ownership and lower odds of anaemia among children 6â€“59â€“months old are not mediated by animalâ€“source food consumption in Ghana. Maternal and Child Nutrition, 2021, 17, e13163.	3.0	8
10	The Statewide Economic Impact of Child Careâ€“Associated Viral Acute Gastroenteritis Infections. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 847-855.	1.3	0
11	Risk Factors for Infant Feeding Practices Along a Rural-Urban Gradient in Coastal Esmeraldas Province, Ecuador. Current Developments in Nutrition, 2021, 5, 824.	0.3	0
12	A dengue outbreak in a rural community in Northern Coastal Ecuador: An analysis using unmanned aerial vehicle mapping. PLoS Neglected Tropical Diseases, 2021, 15, e0009679.	3.0	11
13	â€œChicken dumpingâ€“ Motivations and perceptions in shifting poultry production practices. One Health, 2021, 13, 100296.	3.4	0
14	Gut microbiome, enteric infections and child growth across a ruralâ€“urban gradient: protocol for the ECoMiD prospective cohort study. BMJ Open, 2021, 11, e046241.	1.9	7
15	An urban-to-rural continuum of malaria risk: new analytic approaches characterize patterns in Malawi. Malaria Journal, 2021, 20, 418.	2.3	12
16	Determinants of Pathogen Contamination of the Environment in the Greater Yangon Area, Myanmar. Environmental Science & Technology, 2021, 55, 16465-16476.	10.0	4
17	A dynamic quantitative microbial risk assessment for norovirus in potable reuse systems. Microbial Risk Analysis, 2020, 14, 100088.	2.3	11
18	Household coping strategies associated with unreliable water supplies and diarrhea in Ecuador, an upper-middle-income country. Water Research, 2020, 170, 115269.	11.3	12

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19	A critical analysis of recreational water guidelines developed from temperate climate data and applied to the tropics. <i>Water Research</i> , 2020, 170, 115294.	11.3	8
20	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.	6.0	22
21	Perceptions of Local Vulnerability and the Relative Importance of Climate Change in Rural Ecuador. <i>Human Ecology</i> , 2020, 48, 383-395.	1.4	8
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.	2.7	7
23	Effect of childhood rotavirus vaccination on community rotavirus prevalence in rural Ecuador, 2008-13. <i>International Journal of Epidemiology</i> , 2020, 49, 1691-1701.	1.9	5
24	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.	10.0	35
25	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.	6.0	41
26	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.	6.0	7
27	Does Basic Sanitation Prevent Diarrhea? Contextualizing Recent Intervention Trials through a Historical Lens. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 230.	2.6	12
28	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.	1.4	7
29	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.	1.4	6
30	Moving towards transformational WASH. <i>The Lancet Global Health</i> , 2019, 7, e1492.	6.3	14
31	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.	2.7	8
32	Social cohesion and passive adaptation in relation to climate change and disease. <i>Global Environmental Change</i> , 2019, 58, 101960.	7.8	9
33	Spatiotemporal Error in Rainfall Data: Consequences for Epidemiologic Analysis of Waterborne Diseases. <i>American Journal of Epidemiology</i> , 2019, 188, 950-959.	3.4	17
34	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.	2.9	8
35	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.	2.3	29
36	Mass Gatherings and Diarrheal Disease Transmission Among Rural Communities in Coastal Ecuador. <i>American Journal of Epidemiology</i> , 2019, 188, 1475-1483.	3.4	7

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37	The seroepidemiology of <i>Coxiella burnetii</i> (Q fever) across livestock species and herding contexts in Laikipia County, Kenya. <i>Zoonoses and Public Health</i> , 2019, 66, 316-324.	2.2	22
38	Countering the Curse of Dimensionality. <i>Epidemiology</i> , 2019, 30, 609-614.	2.7	4
39	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.	1.4	14
40	High Prevalence of Extended-Spectrum Beta-Lactamase CTX-M-Producing <i>Escherichia coli</i> in Small-Scale Poultry Farming in Rural Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2019, 100, 374-376.	1.4	20
41	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.	1.4	12
42	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.	7.1	38
43	Quantitative Microbial Risk Assessment and Infectious Disease Transmission Modeling of Waterborne Enteric Pathogens. <i>Current Environmental Health Reports</i> , 2018, 5, 293-304.	6.7	34
44	Trends of child undernutrition in rural Ecuadorian communities with differential access to roads, 2004-2013. <i>Maternal and Child Nutrition</i> , 2018, 14, e12588.	3.0	8
45	Determinants of Short-term Movement in a Developing Region and Implications for Disease Transmission. <i>Epidemiology</i> , 2018, 29, 117-125.	2.7	11
46	The Role of Mobile Genetic Elements in the Spread of Antimicrobial-Resistant <i>Escherichia coli</i> From Chickens to Humans in Small-Scale Production Poultry Operations in Rural Ecuador. <i>American Journal of Epidemiology</i> , 2018, 187, 558-567.	3.4	39
47	Fomite-mediated transmission as a sufficient pathway: a comparative analysis across three viral pathogens. <i>BMC Infectious Diseases</i> , 2018, 18, 540.	2.9	104
48	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.	7.1	126
49	Antibiotic Resistance Associated with Small-Scale Poultry Production in Rural Ecuador. <i>Environmental Science & Technology</i> , 2018, 52, 8165-8172.	10.0	40
50	Low-Cost Intervention to Increase Influenza Vaccination Rate at a Comprehensive Cancer Center. <i>Journal of Cancer Education</i> , 2017, 32, 871-877.	1.3	6
51	Modeling Biphasic Environmental Decay of Pathogens and Implications for Risk Analysis. <i>Environmental Science & Technology</i> , 2017, 51, 2186-2196.	10.0	46
52	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, 16-0664.	1.4	37
53	Reduced infectivity of waterborne viable but nonculturable <i>Helicobacter pylori</i> strain <i>SS-1</i> in mice. <i>Helicobacter</i> , 2017, 22, e12391.	3.5	18
54	Quantifying pathogen risks associated with potable reuse: A risk assessment case study for <i>Cryptosporidium</i> . <i>Water Research</i> , 2017, 119, 252-266.	11.3	51

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55	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.	11.3	58
56	Small-Scale Food Animal Production and Antimicrobial Resistance: Mountain, Molehill, or Something in-between?. <i>Environmental Health Perspectives</i> , 2017, 125, 104501.	6.0	43
57	Dose-response relationships for environmentally mediated infectious disease transmission models. <i>PLoS Computational Biology</i> , 2017, 13, e1005481.	3.2	78
58	The Water Quality in Rio Highlights the Global Public Health Concern Over Untreated Sewage. <i>Environmental Health Perspectives</i> , 2016, 124, A180-A181.	6.0	10
59	Antibiotic Resistance in Animal and Environmental Samples Associated with Small-Scale Poultry Farming in Northwestern Ecuador. <i>MSphere</i> , 2016, 1, .	2.9	57
60	Herd Protection from Drinking Water, Sanitation, and Hygiene Interventions. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 1201-1210.	1.4	64
61	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, 460-469.	1.9	76
62	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, 276-284.	1.4	8
63	Spatial Variability of <i>Escherichia coli</i> in Rivers of Northern Coastal Ecuador. <i>Water (Switzerland)</i> , 2015, 7, 818-832.	2.7	22
64	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.	11.3	0
65	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.	11.3	50
66	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, 284-292.	2.3	48
67	Effects of Selection Pressure and Genetic Association on the Relationship between Antibiotic Resistance and Virulence in <i>Escherichia coli</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 6733-6740.	3.2	38
68	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.	2.4	9
69	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, 18095-18096.	7.1	78
70	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, 1247-1254.	3.4	11
71	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.	1.5	2
72	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.	1.7	7

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73	Heavy Rainfall Events and Diarrhea Incidence: The Role of Social and Environmental Factors. <i>American Journal of Epidemiology</i> , 2014, 179, 344-352.	3.4	145
74	Ebola: Mobility data. <i>Science</i> , 2014, 346, 433-433.	12.6	39
75	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, 173-180.	1.4	66
76	Identifying Etiological Agents Causing Diarrhea in Low Income Ecuadorian Communities. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 563-569.	1.4	43
77	Q Fever Risk Across a Dynamic, Heterogeneous Landscape in Laikipia County, Kenya. <i>EcoHealth</i> , 2014, 11, 429-433.	2.0	31
78	Impact of Rainfall on Diarrheal Disease Risk Associated with Unimproved Water and Sanitation. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 90, 705-711.	1.4	61
79	Household effectiveness vs. laboratory efficacy of point-of-use chlorination. <i>Water Research</i> , 2014, 54, 69-77.	11.3	43
80	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.	2.9	33
81	Coaggregation occurs amongst bacteria within and between biofilms in domestic showerheads. <i>Biofouling</i> , 2013, 29, 53-68.	2.2	37
82	The joint effects of efficacy and compliance: A study of household water treatment effectiveness against childhood diarrhea. <i>Water Research</i> , 2013, 47, 1181-1190.	11.3	106
83	Transition in the Cause of Fever from Malaria to Dengue, Northwestern Ecuador, 1990–2011. <i>Emerging Infectious Diseases</i> , 2013, 19, 1642-1645.	4.3	17
84	Successes and Shortcomings of Polio Eradication: A Transmission Modeling Analysis. <i>American Journal of Epidemiology</i> , 2013, 177, 1236-1245.	3.4	19
85	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, 504-513.	1.9	25
86	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, 1029-1039.	3.4	25
87	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, 387-395.	3.4	98
88	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, 2233-2239.	2.7	50
89	Linking Quantitative Microbial Risk Assessment and Epidemiological Data: Informing Safe Drinking Water Trials in Developing Countries. <i>Environmental Science & Technology</i> , 2012, 46, 5160-5167.	10.0	61
90	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.	1.4	46

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91	Toward a Systems Approach to Enteric Pathogen Transmission: From Individual Independence to Community Interdependence. <i>Annual Review of Public Health</i> , 2012, 33, 239-257.	17.4	50
92	COLFORD ET AL. RESPOND. <i>American Journal of Public Health</i> , 2010, 100, 1558-1559.	2.7	2
93	Informing Optimal Environmental Influenza Interventions: How the Host, Agent, and Environment Alter Dominant Routes of Transmission. <i>PLoS Computational Biology</i> , 2010, 6, e1000969.	3.2	59
94	Seasonality of rotavirus disease in the tropics: a systematic review and meta-analysis. <i>International Journal of Epidemiology</i> , 2009, 38, 1487-1496.	1.9	227
95	Dynamics and Control of Infections Transmitted From Person to Person Through the Environment. <i>American Journal of Epidemiology</i> , 2009, 170, 257-265.	3.4	105
96	Protecting the Herd from H1N1. <i>Science</i> , 2009, 326, 934-934.	12.6	5
97	Characterization of novel VP7, VP4, and VP6 genotypes of a previously untypeable group A rotavirus. <i>Virology</i> , 2009, 385, 58-67.	2.4	105
98	Rapid changes in rotaviral genotypes in Ecuador. <i>Journal of Medical Virology</i> , 2009, 81, 2109-2113.	5.0	15
99	Drivers of Water Quality Variability in Northern Coastal Ecuador. <i>Environmental Science & Technology</i> , 2009, 43, 1788-1797.	10.0	67
100	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, 1988-1995.	2.7	35
101	An evaluation of parsimony for microbial risk assessment models. <i>Environmetrics</i> , 2008, 19, 61-78.	1.4	41
102	Raising the Level of Analysis of Food-Borne Outbreaks. <i>Epidemiology</i> , 2008, 19, 384-390.	2.7	26
103	Following the Water: A Controlled Study of Drinking Water Storage in Northern Coastal Ecuador. <i>Environmental Health Perspectives</i> , 2008, 116, 1533-1540.	6.0	95
104	Microbial Risk Assessment Framework for Exposure to Amended Sludge Projects. <i>Environmental Health Perspectives</i> , 2008, 116, 727-733.	6.0	45
105	Relating Diarrheal Disease to Social Networks and the Geographic Configuration of Communities in Rural Ecuador. <i>American Journal of Epidemiology</i> , 2007, 166, 1088-1095.	3.4	44
106	Integrating Disease Control Strategies: Balancing Water Sanitation and Hygiene Interventions to Reduce Diarrheal Disease Burden. <i>American Journal of Public Health</i> , 2007, 97, 846-852.	2.7	105
107	Retail Meat Consumption and the Acquisition of Antimicrobial Resistant <i>Escherichia coli</i> Causing Urinary Tract Infections: A Case-Control Study. <i>Foodborne Pathogens and Disease</i> , 2007, 4, 419-431.	1.8	129
108	Environmental Determinants of Infectious Disease: A Framework for Tracking Causal Links and Guiding Public Health Research. <i>Environmental Health Perspectives</i> , 2007, 115, 1216-1223.	6.0	122

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109	Symptomatic and Subclinical Infection with Rotavirus P[8]G9, Rural Ecuador. <i>Emerging Infectious Diseases</i> , 2007, 13, 574-580.	4.3	21
110	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, 1199-1204.	6.0	19
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, 19460-19465.	7.1	117
112	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.	2.6	22
113	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.	3.4	47
114	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.	2.6	11
115	A Dynamic Model to Assess Microbial Health Risks Associated with Beneficial Uses of Biosolids. <i>Risk Analysis</i> , 2004, 24, 221-236.	2.7	44
116	Bias due to Secondary Transmission in Estimation of Attributable Risk From Intervention Trials. <i>Epidemiology</i> , 2003, 14, 442-450.	2.7	21
117	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, 1102-1109.	6.0	360
118	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, 783-790.	6.0	83
119	GENERALIST FEEDING BEHAVIORS OF <i>AEDES SIERRENSIS</i> LARVAE AND THEIR EFFECTS ON PROTOZOAN POPULATIONS. <i>Ecology</i> , 2000, 81, 921-935.	3.2	32
120	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.	10.0	28
121	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.	10.0	36