

Joseph N S Eisenberg

List of Publications by Year in descending order

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121
papers

4,710
citations

76196

40
h-index

118652

62
g-index

123
all docs

123
docs citations

123
times ranked

5567
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.8	360
2	Seasonality of rotavirus disease in the tropics: a systematic review and meta-analysis. <i>International Journal of Epidemiology</i> , 2009, 38, 1487-1496.	0.9	227
3	Heavy Rainfall Events and Diarrhea Incidence: The Role of Social and Environmental Factors. <i>American Journal of Epidemiology</i> , 2014, 179, 344-352.	1.6	145
4	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.	0.8	129
5	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.	3.3	126
6	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.	2.8	122
7	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.	3.3	117
8	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.	5.3	106
9	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.	1.5	105
10	Dynamics and Control of Infections Transmitted From Person to Person Through the Environment. <i>American Journal of Epidemiology</i> , 2009, 170, 257-265.	1.6	105
11	Characterization of novel VP7, VP4, and VP6 genotypes of a previously untypeable group A rotavirus. <i>Virology</i> , 2009, 385, 58-67.	1.1	105
12	Fomite-mediated transmission as a sufficient pathway: a comparative analysis across three viral pathogens. <i>BMC Infectious Diseases</i> , 2018, 18, 540.	1.3	104
13	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.	1.6	98
14	Following the Water: A Controlled Study of Drinking Water Storage in Northern Coastal Ecuador. <i>Environmental Health Perspectives</i> , 2008, 116, 1533-1540.	2.8	95
15	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.	2.8	83
16	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.	3.3	78
17	Dose-response relationships for environmentally mediated infectious disease transmission models. <i>PLoS Computational Biology</i> , 2017, 13, e1005481.	1.5	78
18	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.	0.9	76

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19	Drivers of Water Quality Variability in Northern Coastal Ecuador. <i>Environmental Science & Technology</i> , 2009, 43, 1788-1797.	4.6	67
20	Shared Sanitation and the Prevalence of Diarrhea in Young Children: Evidence from 51 Countries, 2001â€“2011. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 173-180.	0.6	66
21	Herd Protection from Drinking Water, Sanitation, and Hygiene Interventions. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 95, 1201-1210.	0.6	64
22	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.	4.6	61
23	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.	0.6	61
24	Informing Optimal Environmental Influenza Interventions: How the Host, Agent, and Environment Alter Dominant Routes of Transmission. <i>PLoS Computational Biology</i> , 2010, 6, e1000969.	1.5	59
25	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.	5.3	58
26	Antibiotic Resistance in Animal and Environmental Samples Associated with Small-Scale Poultry Farming in Northwestern Ecuador. <i>MSphere</i> , 2016, 1, .	1.3	57
27	Quantifying pathogen risks associated with potable reuse: A risk assessment case study for <i>Cryptosporidium</i> . <i>Water Research</i> , 2017, 119, 252-266.	5.3	51
28	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.	1.5	50
29	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.	7.6	50
30	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.	5.3	50
31	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.	1.0	48
32	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.	1.6	47
33	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.	0.6	46
34	Modeling Biphasic Environmental Decay of Pathogens and Implications for Risk Analysis. <i>Environmental Science & Technology</i> , 2017, 51, 2186-2196.	4.6	46
35	Microbial Risk Assessment Framework for Exposure to Amended Sludge Projects. <i>Environmental Health Perspectives</i> , 2008, 116, 727-733.	2.8	45
36	A Dynamic Model to Assess Microbial Health Risks Associated with Beneficial Uses of Biosolids. <i>Risk Analysis</i> , 2004, 24, 221-236.	1.5	44

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37	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.	1.6	44
38	Identifying Etiological Agents Causing Diarrhea in Low Income Ecuadorian Communities. <i>American Journal of Tropical Medicine and Hygiene</i> , 2014, 91, 563-569.	0.6	43
39	Household effectiveness vs. laboratory efficacy of point-of-use chlorination. <i>Water Research</i> , 2014, 54, 69-77.	5.3	43
40	Small-Scale Food Animal Production and Antimicrobial Resistance: Mountain, Molehill, or Something in-between?. <i>Environmental Health Perspectives</i> , 2017, 125, 104501.	2.8	43
41	An evaluation of parsimony for microbial risk assessment models. <i>Environmetrics</i> , 2008, 19, 61-78.	0.6	41
42	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.	2.8	41
43	Antibiotic Resistance Associated with Small-Scale Poultry Production in Rural Ecuador. <i>Environmental Science & Technology</i> , 2018, 52, 8165-8172.	4.6	40
44	Ebola: Mobility data. <i>Science</i> , 2014, 346, 433-433.	6.0	39
45	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.	1.6	39
46	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.	1.4	38
47	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.	3.3	38
48	Coaggregation occurs amongst bacteria within and between biofilms in domestic showerheads. <i>Biofouling</i> , 2013, 29, 53-68.	0.8	37
49	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.	0.6	37
50	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.	4.6	36
51	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.	1.5	35
52	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.	4.6	35
53	Quantitative Microbial Risk Assessment and Infectious Disease Transmission Modeling of Waterborne Enteric Pathogens. <i>Current Environmental Health Reports</i> , 2018, 5, 293-304.	3.2	34
54	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.	1.3	33

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55	GENERALIST FEEDING BEHAVIORS OF <i>AEDES SIERRENSIS</i> LARVAE AND THEIR EFFECTS ON PROTOZOAN POPULATIONS. <i>Ecology</i> , 2000, 81, 921-935.	1.5	32
56	Q Fever Risk Across a Dynamic, Heterogeneous Landscape in Laikipia County, Kenya. <i>EcoHealth</i> , 2014, 11, 429-433.	0.9	31
57	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.	1.3	29
58	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.	4.6	28
59	Raising the Level of Analysis of Food-Borne Outbreaks. <i>Epidemiology</i> , 2008, 19, 384-390.	1.2	26
60	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.	0.9	25
61	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.	1.5	25
62	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.	1.1	22
63	Spatial Variability of <i>Escherichia coli</i> in Rivers of Northern Coastal Ecuador. <i>Water (Switzerland)</i> , 2015, 7, 818-832.	1.2	22
64	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.	0.9	22
65	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.	2.8	22
66	Bias due to Secondary Transmission in Estimation of Attributable Risk From Intervention Trials. <i>Epidemiology</i> , 2003, 14, 442-450.	1.2	21
67	Symptomatic and Subclinical Infection with Rotavirus P[8]G9, Rural Ecuador. <i>Emerging Infectious Diseases</i> , 2007, 13, 574-580.	2.0	21
68	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.	0.6	20
69	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.	2.8	19
70	Successes and Shortcomings of Polio Eradication: A Transmission Modeling Analysis. <i>American Journal of Epidemiology</i> , 2013, 177, 1236-1245.	1.6	19
71	Reduced infectivity of waterborne viable but nonculturable <i>Helicobacter pylori</i> strain <i>SS-1</i> in mice. <i>Helicobacter</i> , 2017, 22, e12391.	1.6	18
72	Transition in the Cause of Fever from Malaria to Dengue, Northwestern Ecuador, 1990-2011. <i>Emerging Infectious Diseases</i> , 2013, 19, 1642-1645.	2.0	17

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73	Spatiotemporal Error in Rainfall Data: Consequences for Epidemiologic Analysis of Waterborne Diseases. <i>American Journal of Epidemiology</i> , 2019, 188, 950-959.	1.6	17
74	Rapid changes in rotaviral genotypes in Ecuador. <i>Journal of Medical Virology</i> , 2009, 81, 2109-2113.	2.5	15
75	Moving towards transformational WASH. <i>The Lancet Global Health</i> , 2019, 7, e1492.	2.9	14
76	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.	0.6	14
77	Household coping strategies associated with unreliable water supplies and diarrhea in Ecuador, an upper-middle-income country. <i>Water Research</i> , 2020, 170, 115269.	5.3	12
78	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.	1.2	12
79	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.	0.6	12
80	An urban-to-rural continuum of malaria risk: new analytic approaches characterize patterns in Malawi. <i>Malaria Journal</i> , 2021, 20, 418.	0.8	12
81	Ask Whenâ€”Not Just Whetherâ€”It's a Risk: How Regional Context Influences Local Causes of Diarrheal Disease. <i>American Journal of Epidemiology</i> , 2014, 179, 1247-1254.	1.6	11
82	Determinants of Short-term Movement in a Developing Region and Implications for Disease Transmission. <i>Epidemiology</i> , 2018, 29, 117-125.	1.2	11
83	A dynamic quantitative microbial risk assessment for norovirus in potable reuse systems. <i>Microbial Risk Analysis</i> , 2020, 14, 100088.	1.3	11
84	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.	1.3	11
85	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.	1.1	11
86	What is Global Health Equity? A Proposed Definition. <i>Annals of Global Health</i> , 2022, 88, .	0.8	11
87	The Water Quality in Rio Highlights the Global Public Health Concern Over Untreated Sewage. <i>Environmental Health Perspectives</i> , 2016, 124, A180-A181.	2.8	10
88	Social cohesion and passive adaptation in relation to climate change and disease. <i>Global Environmental Change</i> , 2019, 58, 101960.	3.6	9
89	Immunologic and Epidemiologic Drivers of Norovirus Transmission in Daycare and School Outbreaks. <i>Epidemiology</i> , 2021, 32, 351-359.	1.2	9
90	Unexpected distribution of the fluoroquinolone-resistance gene qnrB in <i>Escherichia coli</i> isolates from different human and poultry origins in Ecuador. <i>International Microbiology</i> , 2015, 18, 85-90.	1.1	9

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91	Distribution of Enteroinvasive and Enterotoxigenic Escherichia coli Across Space and Time in Northwestern Ecuador. <i>American Journal of Tropical Medicine and Hygiene</i> , 2016, 94, 276-284.	0.6	8
92	Trends of child undernutrition in rural Ecuadorian communities with differential access to roads, 2004–2013. <i>Maternal and Child Nutrition</i> , 2018, 14, e12588.	1.4	8
93	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.	1.5	8
94	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.	1.3	8
95	A critical analysis of recreational water guidelines developed from temperate climate data and applied to the tropics. <i>Water Research</i> , 2020, 170, 115294.	5.3	8
96	Perceptions of Local Vulnerability and the Relative Importance of Climate Change in Rural Ecuador. <i>Human Ecology</i> , 2020, 48, 383-395.	0.7	8
97	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.	1.4	8
98	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.	1.5	8
99	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.	0.9	7
100	Mass Gatherings and Diarrheal Disease Transmission Among Rural Communities in Coastal Ecuador. <i>American Journal of Epidemiology</i> , 2019, 188, 1475-1483.	1.6	7
101	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.	1.2	7
102	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.	2.8	7
103	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.	0.6	7
104	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.	0.8	7
105	Low-Cost Intervention to Increase Influenza Vaccination Rate at a Comprehensive Cancer Center. <i>Journal of Cancer Education</i> , 2017, 32, 871-877.	0.6	6
106	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.	0.6	6
107	Protecting the Herd from H1N1. <i>Science</i> , 2009, 326, 934-934.	6.0	5
108	Effect of childhood rotavirus vaccination on community rotavirus prevalence in rural Ecuador, 2008-13. <i>International Journal of Epidemiology</i> , 2020, 49, 1691-1701.	0.9	5

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109	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.	0.6	5
110	Countering the Curse of Dimensionality. Epidemiology, 2019, 30, 609-614.	1.2	4
111	Determinants of Pathogen Contamination of the Environment in the Greater Yangon Area, Myanmar. Environmental Science & Technology, 2021, 55, 16465-16476.	4.6	4
112	Multiple burdens of malnutrition and relative remoteness in rural Ecuadorian communities. Public Health Nutrition, 2021, 24, 4591-4602.	1.1	3
113	Shared water facilities and risk of COVID-19 in resource-poor settings: A transmission modelling study. , 2022, 1, e0000011.		3
114	COLFORD ET AL. RESPOND. American Journal of Public Health, 2010, 100, 1558-1559.	1.5	2
115	A Dynamic Model to Quantify Pathogen Loadings from Combined Sewer Overflows Suitable for River Basin Scale Exposure Assessments. Water Quality, Exposure, and Health, 2014, 5, 163-172.	1.5	2
116	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.	0.6	2
117	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.	1.3	1
118	Author's responses to the comment by Daniele Lantagne on â€œHousehold effectiveness vs. laboratory efficacy of point-of-use chlorinationâ€• Water Research, 2015, 69, 331-333.	5.3	0
119	The Statewide Economic Impact of Child Careâ€“Associated Viral Acute Gastroenteritis Infections. Journal of the Pediatric Infectious Diseases Society, 2021, 10, 847-855.	0.6	0
120	Risk Factors for Infant Feeding Practices Along a Rural-Urban Gradient in Coastal Esmeraldas Province, Ecuador. Current Developments in Nutrition, 2021, 5, 824.	0.1	0
121	â€œChicken dumpingâ€• Motivations and perceptions in shifting poultry production practices. One Health, 2021, 13, 100296.	1.5	0