

Joe Brown

List of Publications by Year in Descending Order

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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

1,947
citations

22
h-index

41
g-index

122
ext. papers

2,651
ext. citations

6.6
avg. IF

5.25
L-index

#	Paper	IF	Citations
101	Invited Perspective: Sanitation Innovation Holds Promise but Must Consider Risks to Users.. <i>Environmental Health Perspectives</i> , 2022 , 130, 11301	8.4	0
100	Aligning learning objectives and approaches in global engineering graduate programs: Review and recommendations by an interdisciplinary working group. <i>Development Engineering</i> , 2022 , 7, 100095	2.5	1
99	Quantitative assessment of exposure to fecal contamination in urban environment across nine cities in low-income and lower-middle-income countries and a city in the United States. <i>Science of the Total Environment</i> , 2022 , 806, 151273	10.2	1
98	Risk factors for early childhood growth faltering in rural Cambodia: a cross-sectional study.. <i>BMJ Open</i> , 2022 , 12, e058092	3	0
97	Environmental sanitation and the evolution of water, sanitation and hygiene.. <i>Bulletin of the World Health Organization</i> , 2022 , 100, 286-288	8.2	0
96	Quantitative microbial risk assessment of outdoor aerosolized pathogens in cities with poor sanitation.. <i>Science of the Total Environment</i> , 2022 , 154233	10.2	2
95	A systematic review of enteric pathogens and antibiotic resistance genes in outdoor urban aerosols.. <i>Environmental Research</i> , 2022 , 212, 113097	7.9	1
94	Passive sampling to scale wastewater surveillance of infectious disease: Lessons learned from COVID-19.. <i>Science of the Total Environment</i> , 2022 , 155347	10.2	2
93	Drinking water chlorination has minor effects on the intestinal flora and resistomes of Bangladeshi children.. <i>Nature Microbiology</i> , 2022 ,	26.6	2
92	Toward shotgun metagenomic approaches for microbial source tracking sewage spills based on laboratory mesocosms.. <i>Water Research</i> , 2021 , 210, 117993	12.5	0
91	Transcriptomic and rRNA:rDNA Signatures of Environmental versus Enteric <i>Enterococcus faecalis</i> Isolates under Oligotrophic Freshwater Conditions. <i>Microbiology Spectrum</i> , 2021 , 9, e0081721	8.9	
90	Detection and Quantification of Enteric Pathogens in Aerosols Near Open Wastewater Canals in Cities with Poor Sanitation. <i>Environmental Science & Technology</i> , 2021 , 55, 14758-14771	10.3	7
89	Using Feedback to Improve Accountability in Global Environmental Health and Engineering. <i>Environmental Science & Technology</i> , 2021 , 55, 90-99	10.3	6
88	Impact of sampling depth on pathogen detection in pit latrines. <i>PLoS Neglected Tropical Diseases</i> , 2021 , 15, e0009176	4.8	4
87	Antimicrobial resistance genes are enriched in aerosols near impacted urban surface waters in La Paz, Bolivia. <i>Environmental Research</i> , 2021 , 194, 110730	7.9	3
86	Effects of an urban sanitation intervention on childhood enteric infection and diarrhea in Maputo, Mozambique: A controlled before-and-after trial. <i>ELife</i> , 2021 , 10,	8.9	9
85	Impact of an Urban Sanitation Intervention on Enteric Pathogen Detection in Soils. <i>Environmental Science & Technology</i> , 2021 , 55, 9989-10000	10.3	2

84	Detection and assessment of the antibiotic resistance of Enterobacteriaceae recovered from bioaerosols in the Choqueyapu River area, La Paz - Bolivia. <i>Science of the Total Environment</i> , 2021 , 760, 143340	10.2	7
83	Making waves: Right in our backyard- surface discharge of untreated wastewater from homes in the United States. <i>Water Research</i> , 2021 , 190, 116647	12.5	6
82	Using path analysis to test theory of change: a quantitative process evaluation of the MapSan trial. <i>BMC Public Health</i> , 2021 , 21, 1411	4.1	1
81	Reaching those left behind: knowledge gaps, challenges, and approaches to achieving SDG 6 in high-income countries. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2021 , 11, 849-858	1.5	1
80	Microbial water quality improvement associated with transitioning from intermittent to continuous water supply in Nagpur, India. <i>Water Research</i> , 2021 , 201, 117301	12.5	9
79	Impacts of an Urban Sanitation Intervention on Fecal Indicators and the Prevalence of Human Fecal Contamination in Mozambique. <i>Environmental Science & Technology</i> , 2021 , 55, 11667-11679	10.3	0
78	The Lancet Commission on water, sanitation and hygiene, and health. <i>Lancet, The</i> , 2021 , 398, 1469-1470	40	3
77	Quantitative Microbial Risk Assessment of Pediatric Infections Attributable to Ingestion of Fecally Contaminated Domestic Soils in Low-Income Urban Maputo, Mozambique. <i>Environmental Science & Technology</i> , 2021 , 55, 1941-1952	10.3	6
76	Child Salivary SigA and Its Relationship to Enteric Infections and EED Biomarkers in Maputo, Mozambique. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	1
75	Bioaerosol sampling optimization for community exposure assessment in cities with poor sanitation: A one health cross-sectional study. <i>Science of the Total Environment</i> , 2020 , 738, 139495	10.2	7
74	Demonstration of Tryptophan-Like Fluorescence Sensor Concepts for Fecal Exposure Detection in Drinking Water in Remote and Resource Constrained Settings. <i>Sustainability</i> , 2020 , 12, 3768	3.6	8
73	Assessment of antibiotic resistant coliforms from bioaerosol samples collected above a sewage-polluted river in La Paz, Bolivia. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 228, 113494	6.9	8
72	Risk factors for child food contamination in low-income neighbourhoods of Maputo, Mozambique: An exploratory, cross-sectional study. <i>Maternal and Child Nutrition</i> , 2020 , 16, e12991	3.4	2
71	Novel methods for global water safety monitoring: comparative analysis of low-cost, field-ready E. coli assays. <i>Npj Clean Water</i> , 2020 , 3,	11.2	4
70	Human fecal contamination of water, soil, and surfaces in households sharing poor-quality sanitation facilities in Maputo, Mozambique. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 226, 113496	6.9	25
69	Associations between enteric pathogen carriage and height-for-age, weight-for-age and weight-for-height in children under 5 years old in urban Dhaka, Bangladesh. <i>Epidemiology and Infection</i> , 2020 , 148, e39	4.3	1
68	Impact of an intervention to improve pit latrine emptying practices in low income urban neighborhoods of Maputo, Mozambique. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 226, 113480	6.9	11
67	Extended-spectrum beta-lactamase (ESBL)-positive Escherichia coli presence in urban aquatic environments in Kanpur, India. <i>Journal of Water and Health</i> , 2020 , 18, 849-854	2.2	3

66	Stool-Based Pathogen Detection Offers Advantages as an Outcome Measure for Water, Sanitation, and Hygiene Trials. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 , 102, 260-261	3.2	16
65	Analysis of Fecal Sludges Reveals Common Enteric Pathogens in Urban Maputo, Mozambique. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 889-895	11	7
64	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
63	A novel droplet digital PCR human mtDNA assay for fecal source tracking. <i>Water Research</i> , 2020 , 183, 116085	12.5	7
62	Human faeces-associated extended-spectrum β -lactamase-producing <i>Escherichia coli</i> discharge into sanitation systems in 2015 and 2030: a global and regional analysis. <i>Lancet Planetary Health, The</i> , 2020 , 4, e246-e255	9.8	5
61	Zika Virus RNA Persistence in Sewage. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 659-664	11	18
60	Waterborne pathogen monitoring in Jaipur, India reveals potential microbial risks of urban groundwater supply. <i>Npj Clean Water</i> , 2020 , 3,	11.2	9
59	Water and Sanitation in Urban America, 2017-2019. <i>American Journal of Public Health</i> , 2020 , 110, 1567-1572	11.7	9
58	Faecal contamination of the environment and child health: a systematic review and individual participant data meta-analysis. <i>Lancet Planetary Health, The</i> , 2020 , 4, e405-e415	9.8	8
57	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
56	Selecting Household Water Treatment Options on the Basis of World Health Organization Performance Testing Protocols. <i>Environmental Science & Technology</i> , 2019 , 53, 5043-5051	10.3	7
55	Factors Associated with Water Service Continuity for the Rural Populations of Bangladesh, Pakistan, Ethiopia, and Mozambique. <i>Environmental Science & Technology</i> , 2019 , 53, 4355-4363	10.3	5
54	Development and field testing of low-cost, quantal microbial assays with volunteer reporting as scalable means of drinking water safety estimation. <i>Journal of Applied Microbiology</i> , 2019 , 126, 1944-1954	4.7	1
53	Bioaerosol emissions associated with pit latrine emptying operations. <i>Science of the Total Environment</i> , 2019 , 648, 1082-1086	10.2	18
52	A localized sanitation status index as a proxy for fecal contamination in urban Maputo, Mozambique. <i>PLoS ONE</i> , 2019 , 14, e0224333	3.7	10
51	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
50	Gut carriage of antimicrobial resistance genes among young children in urban Maputo, Mozambique: Associations with enteric pathogen carriage and environmental risk factors. <i>PLoS ONE</i> , 2019 , 14, e0225464	3.7	5
49	Intensive allochthonous inputs along the Ganges River and their effect on microbial community composition and dynamics. <i>Environmental Microbiology</i> , 2019 , 21, 182-196	5.2	18

48	Rapid drinking water safety estimation in cities: Piloting a globally scalable method in Cochabamba, Bolivia. <i>Science of the Total Environment</i> , 2019 , 654, 1132-1145	10.2	5
47	Access to Household Water Quality Information Leads to Safer Water: A Cluster Randomized Controlled Trial in India. <i>Environmental Science & Technology</i> , 2018 , 52, 5319-5329	10.3	11
46	Open Defecation Sites, Unmet Sanitation Needs, and Potential Sanitary Risks in Atlanta, Georgia, 2017-2018. <i>American Journal of Public Health</i> , 2018 , 108, 1238-1240	5.1	7
45	Adherence to Point-of-Use Water Treatment over Short-Term Implementation: Parallel Crossover Trials of Flocculation-Disinfection Sachets in Pakistan and Zambia. <i>Environmental Science & Technology</i> , 2018 , 52, 6601-6609	10.3	8
44	Moving up the sanitation ladder with the help of microfinance in urban Malawi. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2018 , 8, 100-112	1.5	1
43	Estimation of global recoverable human and animal faecal biomass. <i>Nature Sustainability</i> , 2018 , 1, 679-685	5.1	53
42	Risk factors for childhood enteric infection in urban Maputo, Mozambique: A cross-sectional study. <i>PLoS Neglected Tropical Diseases</i> , 2018 , 12, e0006956	4.8	35
41	Shared Sanitation Management and the Role of Social Capital: Findings from an Urban Sanitation Intervention in Maputo, Mozambique. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	11
40	Shared latrines in Maputo, Mozambique: exploring emotional well-being and psychosocial stress. <i>BMC International Health and Human Rights</i> , 2018 , 18, 30	2.5	27
39	User preferences and willingness to pay for safe drinking water: Experimental evidence from rural Tanzania. <i>Social Science and Medicine</i> , 2017 , 173, 63-71	5.1	29
38	Estimating Infection Risks and the Global Burden of Diarrheal Disease Attributable to Intermittent Water Supply Using QMRA. <i>Environmental Science & Technology</i> , 2017 , 51, 7542-7551	10.3	70
37	Seeing, believing, and behaving: Heterogeneous effects of an information intervention on household water treatment. <i>Journal of Environmental Economics and Management</i> , 2017 , 86, 141-159	5.3	23
36	Microbiological effectiveness of household water treatment technologies under field use conditions in rural Tanzania. <i>Tropical Medicine and International Health</i> , 2016 , 21, 33-40	2.3	15
35	Associations between Self-Reported Gastrointestinal Illness and Water System Characteristics in Community Water Supplies in Rural Alabama: A Cross-Sectional Study. <i>PLoS ONE</i> , 2016 , 11, e0148102	3.7	5
34	Adopt or Adapt: Sanitation Technology Choices in Urbanizing Malawi. <i>PLoS ONE</i> , 2016 , 11, e0161262	3.7	24
33	Laboratory evaluation of a new coagulant/disinfectant point-of-use water treatment product for emergencies. <i>Journal of Applied Microbiology</i> , 2016 , 121, 892-902	4.7	2
32	A matter of good taste: investigating preferences for in-house water treatment in peri-urban communities in Cambodia. <i>Environment and Development Economics</i> , 2016 , 21, 291-317	1.8	20
31	Point-of-use chlorination of turbid water: results from a field study in Tanzania. <i>Journal of Water and Health</i> , 2015 , 13, 544-52	2.2	22

30	Temporal Heterogeneity of Water Quality in Rural Alabama Water Supplies. <i>Journal - American Water Works Association</i> , 2015 , 107, E401-E415	0.5	
29	A controlled, before-and-after trial of an urban sanitation intervention to reduce enteric infections in children: research protocol for the Maputo Sanitation (MapSan) study, Mozambique. <i>BMJ Open</i> , 2015 , 5, e008215	3	45
28	Microbiological performance of novel household water treatment devices in India. <i>Water Science and Technology: Water Supply</i> , 2014 , 14, 91-98	1.4	1
27	Associations between perceptions of drinking water service delivery and measured drinking water quality in rural Alabama. <i>International Journal of Environmental Research and Public Health</i> , 2014 , 11, 7376-92	4.6	22
26	Why "improved" water sources are not always safe. <i>Bulletin of the World Health Organization</i> , 2014 , 92, 283-9	8.2	105
25	Safety of packaged water distribution limited by household recontamination in rural Cambodia. <i>Journal of Water and Health</i> , 2014 , 12, 343-7	2.2	3
24	The effects of storage time and temperature on recovery of salivary secretory immunoglobulin A. <i>American Journal of Human Biology</i> , 2014 , 26, 417-20	2.7	3
23	Water quality risks of 'improved' water sources: evidence from Cambodia. <i>Tropical Medicine and International Health</i> , 2014 , 19, 186-94	2.3	66
22	Shared sanitation versus individual household latrines: a systematic review of health outcomes. <i>PLoS ONE</i> , 2014 , 9, e93300	3.7	87
21	Limited Access to Safe Drinking Water and Sanitation in Alabama's Black Belt: A Cross-Sectional Case Study. <i>Water Quality, Exposure, and Health</i> , 2013 , 5, 69-74		16
20	Nocturnal Convenience: The Problem of Securing Universal Sanitation Access in Alabama's Black Belt. <i>Environmental Justice</i> , 2013 , 6, 200-205	1.7	4
19	Relative benefits of on-plot water supply over other 'improved' sources in rural Vietnam. <i>Tropical Medicine and International Health</i> , 2013 , 18, 65-74	2.3	41
18	Water, sanitation, hygiene and enteric infections in children. <i>Archives of Disease in Childhood</i> , 2013 , 98, 629-34	2.2	122
17	Water quality perceptions and willingness to pay for clean water in peri-urban Cambodian communities. <i>Journal of Water and Health</i> , 2013 , 11, 489-506	2.2	43
16	Microbiological effectiveness of mineral pot filters in Cambodia. <i>Environmental Science & Technology</i> , 2012 , 46, 12055-61	10.3	14
15	Water, sanitation, and hygiene in emergencies: summary review and recommendations for further research. <i>Waterlines</i> , 2012 , 31, 11-29	0.3	34
14	High adherence is necessary to realize health gains from water quality interventions. <i>PLoS ONE</i> , 2012 , 7, e36735	3.7	138
13	Rainwater harvesting practices and attitudes in the Mekong Delta of Vietnam. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2011 , 1, 171-177	1.5	40

12	Ambient-temperature incubation for the field detection of Escherichia coli in drinking water. <i>Journal of Applied Microbiology</i> , 2011 , 110, 915-23	4.7	17
11	Microbiological effectiveness of locally produced ceramic filters for drinking water treatment in Cambodia. <i>Journal of Water and Health</i> , 2010 , 8, 1-10	2.2	85
10	Sustained use of a household-scale water filtration device in rural Cambodia. <i>Journal of Water and Health</i> , 2009 , 7, 404-12	2.2	39
9	Local Drinking Water Filters Reduce Diarrheal Disease in Cambodia: A Randomized, Controlled Trial of the Ceramic Water Purifier. <i>American Journal of Tropical Medicine and Hygiene</i> , 2008 , 79, 394-400	3.2	78
8	Local drinking water filters reduce diarrheal disease in Cambodia: a randomized, controlled trial of the ceramic water purifier. <i>American Journal of Tropical Medicine and Hygiene</i> , 2008 , 79, 394-400	3.2	22
7	Safe household water treatment and storage using ceramic drip filters: a randomised controlled trial in Bolivia. <i>Water Science and Technology</i> , 2004 , 50, 111-115	2.2	18
6	Effects of an urban sanitation intervention on childhood enteric infection and diarrhea in Maputo, Mozambique: a controlled before-and-after trial		2
5	Impact of an Urban Sanitation Intervention on Enteric Pathogen Detection in Soils		1
4	Risk factors for early childhood growth faltering in rural Cambodia		1
3	Impacts of an urban sanitation intervention on fecal indicators and the prevalence of human fecal contamination in Mozambique		4
2	Detection and quantification of enteric pathogens in aerosols near open wastewater canals in cities with poor sanitation		2
1	Using Path Analysis to Test Theory of Change: A Quantitative Process Evaluation of the MapSan Trial		2