

Alexandria B Boehm

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.

207
papers

9,346
citations

56
h-index

88
g-index

252
ext. papers

11,513
ext. citations

7.8
avg, IF

6.57
L-index

| # | Paper | IF | Citations |
|-----|--|-------|-----------|
| 207 | Respiratory Syncytial Virus (RSV) RNA in Wastewater Settled Solids Reflects RSV Clinical Positivity Rates. <i>Environmental Science and Technology Letters</i> , 2022 , 9, 173-178 | 11 | 7 |
| 206 | SARS-CoV-2 RNA is enriched by orders of magnitude in primary settled solids relative to liquid wastewater at publicly owned treatment works.. <i>Environmental Science: Water Research and Technology</i> , 2022 , 8, 757-770 | 4.2 | 5 |
| 205 | Detection of SARS-CoV-2 Variants Mu, Beta, Gamma, Lambda, Delta, Alpha, and Omicron in Wastewater Settled Solids Using Mutation-Specific Assays Is Associated with Regional Detection of Variants in Clinical Samples.. <i>Applied and Environmental Microbiology</i> , 2022 , e0004522 | 4.8 | 6 |
| 204 | Highly variable removal of pathogens, antibiotic resistance genes, conventional fecal indicators and human-associated fecal source markers in a pilot-scale stormwater biofilter operated under realistic stormflow conditions.. <i>Water Research</i> , 2022 , 219, 118525 | 12.5 | 1 |
| 203 | Modeling Untreated Wastewater Evolution and Swimmer Illness for Four Wastewater Infrastructure Scenarios in the San Diego-Tijuana (US/MX) Border Region. <i>GeoHealth</i> , 2021 , 5, e2021GH000490 ¹ | 5 | 0 |
| 202 | Systematic Review and Meta-Analysis of the Persistence of Enveloped Viruses in Environmental Waters and Wastewater in the Absence of Disinfectants. <i>Environmental Science & Technology</i> , 2021 , 55, 14480-14493 | 10.3 | 4 |
| 201 | Viral pathogens in urban stormwater runoff: Occurrence and removal via vegetated biochar-amended biofilters. <i>Water Research</i> , 2021 , 207, 117829 | 12.5 | 3 |
| 200 | The Beach Aquifer Microbiome: Research Gaps and Data Needs. <i>Frontiers in Environmental Science</i> , 2021 , 9, | 4.8 | 2 |
| 199 | Scaling of SARS-CoV-2 RNA in Settled Solids from Multiple Wastewater Treatment Plants to Compare Incidence Rates of Laboratory-Confirmed COVID-19 in Their Sewersheds. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 398-404 | 11 | 31 |
| 198 | Sunlight Inactivation of Human Norovirus and Bacteriophage MS2 Using a Genome-Wide PCR-Based Approach and Enzyme Pretreatment. <i>Environmental Science & Technology</i> , 2021 , 55, 8783-8792 ¹ | 10.3 | 1 |
| 197 | The Environmental Microbiology Minimum Information (EMMI) Guidelines: qPCR and dPCR Quality and Reporting for Environmental Microbiology. <i>Environmental Science & Technology</i> , 2021 , 55, 10210-10223 ¹ | 10.3 | 21 |
| 196 | SARS-CoV-2 RNA in Wastewater Settled Solids Is Associated with COVID-19 Cases in a Large Urban Sewershed. <i>Environmental Science & Technology</i> , 2021 , 55, 488-498 | 10.3 | 120 |
| 195 | Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. <i>Environmental Science: Water Research and Technology</i> , 2021 , 9, | 4.2 | 5 |
| 194 | A Day at the Beach: Enabling Coastal Water Quality Prediction with High-Frequency Sampling and Data-Driven Models. <i>Environmental Science & Technology</i> , 2021 , 55, 1908-1918 | 10.3 | 6 |
| 193 | Effect of storage conditions on SARS-CoV-2 RNA quantification in wastewater solids. <i>PeerJ</i> , 2021 , 9, e119333 | 19.33 | 9 |
| 192 | Preventing Scientific and Ethical Misuse of Wastewater Surveillance Data. <i>Environmental Science & Technology</i> , 2021 , 55, 11473-11475 | 10.3 | 5 |
| 191 | Transfer Rate of Enveloped and Nonenveloped Viruses between Fingerpads and Surfaces. <i>Applied and Environmental Microbiology</i> , 2021 , 87, e0121521 | 4.8 | 9 |

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| 190 | SARS-CoV-2 Wastewater Surveillance for Public Health Action. <i>Emerging Infectious Diseases</i> , 2021 , 27, 1-8 | 10.2 | 18 |
| 189 | High-Frequency, High-Throughput Quantification of SARS-CoV-2 RNA in Wastewater Settled Solids at Eight Publicly Owned Treatment Works in Northern California Shows Strong Association with COVID-19 Incidence. <i>MSystems</i> , 2021 , 6, e0082921 | 7.6 | 9 |
| 188 | Standardized preservation, extraction and quantification techniques for detection of fecal SARS-CoV-2 RNA. <i>Nature Communications</i> , 2021 , 12, 5753 | 17.4 | 12 |
| 187 | Systematic Review and Meta-Analysis of the Persistence and Disinfection of Human Coronaviruses and Their Viral Surrogates in Water and Wastewater. <i>Environmental Science and Technology Letters</i> , 2020 , 7, 544-553 | 11 | 64 |
| 186 | Environmental Engineers and Scientists Have Important Roles to Play in Stemming Outbreaks and Pandemics Caused by Enveloped Viruses. <i>Environmental Science & Technology</i> , 2020 , 54, 3736-3739 | 10.3 | 73 |
| 185 | Participatory science for coastal water quality: freshwater plume mapping and volunteer retention in a randomized informational intervention. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 918-929 | 4.3 | 1 |
| 184 | Ruminant Fecal Contamination of Drinking Water Introduced Post-Collection in Rural Kenyan Households. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17, | 4.6 | 4 |
| 183 | Environmental DNA reveals seasonal shifts and potential interactions in a marine community. <i>Nature Communications</i> , 2020 , 11, 254 | 17.4 | 66 |
| 182 | Application of molecular source tracking and mass balance approach to identify potential sources of fecal indicator bacteria in a tropical river. <i>PLoS ONE</i> , 2020 , 15, e0232054 | 3.7 | 1 |
| 181 | Biochar-augmented biofilters to improve pollutant removal from stormwater [Can they improve receiving water quality?]. <i>Environmental Science: Water Research and Technology</i> , 2020 , 6, 1520-1537 | 4.2 | 20 |
| 180 | Quantitative PCR assays to detect whales, rockfish, and common murre environmental DNA in marine water samples of the Northeastern Pacific. <i>PLoS ONE</i> , 2020 , 15, e0242689 | 3.7 | 0 |
| 179 | CrAssphage for fecal source tracking in Chile: Covariation with norovirus, HF183, and bacterial indicators. <i>Water Research X</i> , 2020 , 9, 100071 | 8.1 | 8 |
| 178 | Contamination Scenario Matters when Using Viral and Bacterial Human-Associated Genetic Markers as Indicators of a Health Risk in Untreated Sewage-Impacted Recreational Waters. <i>Environmental Science & Technology</i> , 2020 , 54, 13101-13109 | 10.3 | 4 |
| 177 | What Environmental Factors Influence the Concentration of Fecal Indicator Bacteria in Groundwater? Insights from Explanatory Modeling in Uganda and Bangladesh. <i>Environmental Science & Technology</i> , 2020 , 54, 13566-13578 | 10.3 | 3 |
| 176 | Fecal indicator bacteria and virus removal in stormwater biofilters: Effects of biochar, media saturation, and field conditioning. <i>PLoS ONE</i> , 2019 , 14, e0222719 | 3.7 | 19 |
| 175 | Photoinactivation of uncultured, indigenous enterococci. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 104-112 | 4.3 | |
| 174 | Systematic review and meta-analysis of decay rates of waterborne mammalian viruses and coliphages in surface waters. <i>Water Research</i> , 2019 , 164, 114898 | 12.5 | 42 |
| 173 | Impacts of a changing earth on microbial dynamics and human health risks in the continuum between beach water and sand. <i>Water Research</i> , 2019 , 162, 456-470 | 12.5 | 28 |

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| 172 | Modeling Environmental DNA Transport in the Coastal Ocean Using Lagrangian Particle Tracking. <i>Frontiers in Marine Science</i> , 2019 , 6, | 4.5 | 37 |
| 171 | Predictors of Enteric Pathogens in the Domestic Environment from Human and Animal Sources in Rural Bangladesh. <i>Environmental Science & Technology</i> , 2019 , 53, 10023-10033 | 10.3 | 30 |
| 170 | Comparison of analytical techniques to explain variability in stored drinking water quality and microbial hand contamination of female caregivers in Tanzania. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 893-903 | 4.3 | 6 |
| 169 | Marine Vertebrate Biodiversity and Distribution Within the Central California Current Using Environmental DNA (eDNA) Metabarcoding and Ecosystem Surveys. <i>Frontiers in Marine Science</i> , 2019 , 6, | 4.5 | 33 |
| 168 | Risk-based water quality thresholds for coliphages in surface waters: effect of temperature and contamination aging. <i>Environmental Sciences: Processes and Impacts</i> , 2019 , 21, 2031-2041 | 4.3 | 9 |
| 167 | Microbial community structure of sea spray aerosols at three California beaches. <i>FEMS Microbiology Ecology</i> , 2018 , 94, | 4.3 | 8 |
| 166 | Multiple Pathways to Bacterial Load Reduction by Stormwater Best Management Practices: Trade-Offs in Performance, Volume, and Treated Area. <i>Environmental Science & Technology</i> , 2018 , 52, 6370-6379 | 10.3 | 26 |
| 165 | Frequent detection of a human fecal indicator in the urban ocean: environmental drivers and covariation with enterococci. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 480-492 | 4.3 | 20 |
| 164 | Can We Swim Yet? Systematic Review, Meta-Analysis, and Risk Assessment of Aging Sewage in Surface Waters. <i>Environmental Science & Technology</i> , 2018 , 52, 9634-9645 | 10.3 | 66 |
| 163 | Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1089-1122 | 4.3 | 131 |
| 162 | Transcriptional Response of to Sunlight in Oxic and Anoxic Conditions. <i>Frontiers in Microbiology</i> , 2018 , 9, 249 | 5.7 | 5 |
| 161 | Sewage loading and microbial risk in urban waters of the Great Lakes. <i>Elementa</i> , 2018 , 6, | 3.6 | 16 |
| 160 | Fecal Contamination on Produce from Wholesale and Retail Food Markets in Dhaka, Bangladesh. <i>American Journal of Tropical Medicine and Hygiene</i> , 2018 , 98, 287-294 | 3.2 | 7 |
| 159 | A human fecal contamination score for ranking recreational sites using the HF183/BacR287 quantitative real-time PCR method. <i>Water Research</i> , 2018 , 128, 148-156 | 12.5 | 22 |
| 158 | Role of microbial cell properties on bacterial pathogen and coliphage removal in biochar-modified stormwater biofilters. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 2160-2169 | 4.2 | 17 |
| 157 | Transfer of Enteric Viruses Adenovirus and Coxsackievirus and Bacteriophage MS2 from Liquid to Human Skin. <i>Applied and Environmental Microbiology</i> , 2018 , 84, | 4.8 | 11 |
| 156 | Implementation of an automated beach water quality nowcast system at ten California oceanic beaches. <i>Journal of Environmental Management</i> , 2018 , 223, 633-643 | 7.9 | 15 |
| 155 | Oceans in Peril: Grand Challenges in Applied Water Quality Research for the 21st Century. <i>Environmental Engineering Science</i> , 2017 , 34, 3-15 | 2 | 18 |

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| 154 | Occurrence of norovirus in raw sewage - A systematic literature review and meta-analysis. <i>Water Research</i> , 2017 , 111, 366-374 | 12.5 | 74 |
| 153 | Risk-Based Threshold of Gull-Associated Fecal Marker Concentrations for Recreational Water. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 44-48 | 11 | 16 |
| 152 | Effects of submerged zone, media aging, and antecedent dry period on the performance of biochar-amended biofilters in removing fecal indicators and nutrients from natural stormwater. <i>Ecological Engineering</i> , 2017 , 102, 320-330 | 3.9 | 50 |
| 151 | Decay of sewage-sourced microbial source tracking markers and fecal indicator bacteria in marine waters. <i>Water Research</i> , 2017 , 108, 106-114 | 12.5 | 47 |
| 150 | Environmental Spread of New Delhi Metallo-β-Lactamase-1-Producing Multidrug-Resistant Bacteria in Dhaka, Bangladesh. <i>Applied and Environmental Microbiology</i> , 2017 , 83, | 4.8 | 51 |
| 149 | Persistence of marine fish environmental DNA and the influence of sunlight. <i>PLoS ONE</i> , 2017 , 12, e0185043 | 9.7 | 59 |
| 148 | Detecting and enumerating soil-transmitted helminth eggs in soil: New method development and results from field testing in Kenya and Bangladesh. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005522 | 4.8 | 34 |
| 147 | Estimating the probability of illness due to swimming in recreational water with a mixture of human- and gull-associated microbial source tracking markers. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 1528-1541 | 4.3 | 13 |
| 146 | Staphylococcus aureus Strain Newman Photoinactivation and Cellular Response to Sunlight Exposure. <i>Applied and Environmental Microbiology</i> , 2017 , 83, | 4.8 | 9 |
| 145 | Evaluation of Filtration and DNA Extraction Methods for Environmental DNA Biodiversity Assessments across Multiple Trophic Levels. <i>Frontiers in Marine Science</i> , 2017 , 4, | 4.5 | 70 |
| 144 | Biomonitoring of marine vertebrates in Monterey Bay using eDNA metabarcoding. <i>PLoS ONE</i> , 2017 , 12, e0176343 | 3.7 | 107 |
| 143 | Quantification of Environmental DNA (eDNA) Shedding and Decay Rates for Three Marine Fish. <i>Environmental Science & Technology</i> , 2016 , 50, 10456-10464 | 10.3 | 170 |
| 142 | Rapid water disinfection using vertically aligned MoS nanofilms and visible light. <i>Nature Nanotechnology</i> , 2016 , 11, 1098-1104 | 28.7 | 514 |
| 141 | Occurrence of Host-Associated Fecal Markers on Child Hands, Household Soil, and Drinking Water in Rural Bangladeshi Households. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 393-398 | 11 | 50 |
| 140 | Transport of Fecal Indicators from Beach Sand to the Surf Zone by Recirculating Seawater: Laboratory Experiments and Numerical Modeling. <i>Environmental Science & Technology</i> , 2016 , 50, 12840-12847 | 10.3 | 10 |
| 139 | Transport of enterococci and F+ coliphage through the saturated zone of the beach aquifer. <i>Journal of Water and Health</i> , 2016 , 14, 26-38 | 2.2 | 3 |
| 138 | Exogenous indirect photoinactivation of bacterial pathogens and indicators in water with natural and synthetic photosensitizers in simulated sunlight with reduced UVB. <i>Journal of Applied Microbiology</i> , 2016 , 121, 587-97 | 4.7 | 13 |
| 137 | Absolute Quantification of Enterococcal 23S rRNA Gene Using Digital PCR. <i>Environmental Science & Technology</i> , 2016 , 50, 3399-408 | 10.3 | 25 |

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| 136 | Escherichia coli Removal in Biochar-Modified Biofilters: Effects of Biofilm. <i>PLoS ONE</i> , 2016 , 11, e0167489 | 3.7 | 24 |
| 135 | Occurrence of Host-Associated Fecal Markers on Child Hands, Household Soil, and Drinking Water in Rural Bangladeshi Households. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 393-398 | 11 | 17 |
| 134 | Soil-Transmitted Helminth Eggs Are Present in Soil at Multiple Locations within Households in Rural Kenya. <i>PLoS ONE</i> , 2016 , 11, e0157780 | 3.7 | 25 |
| 133 | Escherichia coli Reduction by Bivalves in an Impaired River Impacted by Agricultural Land Use. <i>Environmental Science & Technology</i> , 2016 , 50, 11025-11033 | 10.3 | 11 |
| 132 | Solar Inactivation of Enterococci and Escherichia coli in Natural Waters: Effects of Water Absorbance and Depth. <i>Environmental Science & Technology</i> , 2016 , 50, 5068-76 | 10.3 | 50 |
| 131 | Water quality criteria for an acidifying ocean: Challenges and opportunities for improvement. <i>Ocean and Coastal Management</i> , 2016 , 126, 31-41 | 3.9 | 26 |
| 130 | Ruminants Contribute Fecal Contamination to the Urban Household Environment in Dhaka, Bangladesh. <i>Environmental Science & Technology</i> , 2016 , 50, 4642-9 | 10.3 | 45 |
| 129 | Photoinactivation of Eight Health-Relevant Bacterial Species: Determining the Importance of the Exogenous Indirect Mechanism. <i>Environmental Science & Technology</i> , 2016 , 50, 5050-9 | 10.3 | 29 |
| 128 | Temporal stability of the microbial community in sewage-polluted seawater exposed to natural sunlight cycles and marine microbiota. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 2107-16 | 4.8 | 22 |
| 127 | Sunlight inactivation of fecal indicator bacteria in open-water unit process treatment wetlands: Modeling endogenous and exogenous inactivation rates. <i>Water Research</i> , 2015 , 83, 282-92 | 12.5 | 52 |
| 126 | Comparative decay of <i>Catelicoccus marimalium</i> and enterococci in beach sand and seawater. <i>Water Research</i> , 2015 , 83, 377-84 | 12.5 | 17 |
| 125 | Growth-dependent photoinactivation kinetics of <i>Enterococcus faecalis</i> . <i>Journal of Applied Microbiology</i> , 2015 , 118, 1226-37 | 4.7 | 14 |
| 124 | Effect of weathering on mobilization of biochar particles and bacterial removal in a stormwater biofilter. <i>Water Research</i> , 2015 , 85, 208-15 | 12.5 | 49 |
| 123 | Quantification of Human Norovirus GII on Hands of Mothers with Children Under the Age of Five Years in Bagamoyo, Tanzania. <i>American Journal of Tropical Medicine and Hygiene</i> , 2015 , 93, 478-84 | 3.2 | 7 |
| 122 | Human-Associated Fecal Quantitative Polymerase Chain Reaction Measurements and Simulated Risk of Gastrointestinal Illness in Recreational Waters Contaminated with Raw Sewage. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 270-275 | 11 | 75 |
| 121 | Mobilization of Microspheres from a Fractured Soil during Intermittent Infiltration Events. <i>Vadose Zone Journal</i> , 2015 , 14, vjz2014.05.0058 | 2.7 | 21 |
| 120 | Ocean Acidification Science Needs for Natural Resource Managers of the North American West Coast. <i>Oceanography</i> , 2015 , 25, 170-181 | 2.3 | 18 |
| 119 | Improvement of urban lake water quality by removal of <i>Escherichia coli</i> through the action of the bivalve <i>Anodonta californiensis</i> . <i>Environmental Science & Technology</i> , 2015 , 49, 1664-72 | 10.3 | 21 |

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| 118 | Hand-to-mouth contacts result in greater ingestion of feces than dietary water consumption in Tanzania: a quantitative fecal exposure assessment model. <i>Environmental Science & Technology</i> , 2015 , 49, 1912-20 | 10.3 | 41 |
| 117 | Detection limits and cost comparisons of human- and gull-associated conventional and quantitative PCR assays in artificial and environmental waters. <i>Journal of Environmental Management</i> , 2014 , 136, 112-20 | 7.8 | 18 |
| 116 | Hand bacterial communities vary across two different human populations. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1144-1152 | 2.9 | 44 |
| 115 | Predicting water quality at Santa Monica Beach: evaluation of five different models for public notification of unsafe swimming conditions. <i>Water Research</i> , 2014 , 67, 105-17 | 12.5 | 54 |
| 114 | Impacts of beach wrack removal via grooming on surf zone water quality. <i>Environmental Science & Technology</i> , 2014 , 48, 2203-11 | 10.3 | 15 |
| 113 | New Performance Metrics for Quantitative Polymerase Chain Reaction-Based Microbial Source Tracking Methods. <i>Environmental Science and Technology Letters</i> , 2014 , 1, 20-25 | 11 | 11 |
| 112 | Escherichia coli removal in biochar-augmented biofilter: effect of infiltration rate, initial bacterial concentration, biochar particle size, and presence of compost. <i>Environmental Science & Technology</i> , 2014 , 48, 11535-42 | 10.3 | 88 |
| 111 | Effect of submarine groundwater discharge on bacterial indicators and swimmer health at Avalon Beach, CA, USA. <i>Water Research</i> , 2014 , 59, 23-36 | 12.5 | 35 |
| 110 | Static electricity powered copper oxide nanowire microbicidal electroporation for water disinfection. <i>Nano Letters</i> , 2014 , 14, 5603-8 | 11.5 | 91 |
| 109 | Transcriptional response of Enterococcus faecalis to sunlight. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 130, 349-56 | 6.7 | 11 |
| 108 | Efficacy of biochar to remove Escherichia coli from stormwater under steady and intermittent flow. <i>Water Research</i> , 2014 , 61, 288-96 | 12.5 | 100 |
| 107 | A Coupled Modeling and Molecular Biology Approach to Microbial Source Tracking at a Marine Beach: A Case Study Investigating the Role of Fecal Indicator Bacteria from Wrack and Sand. <i>Proceedings of the Water Environment Federation</i> , 2014 , 2014, 4860-4888 | | |
| 106 | Enteric pathogens in stored drinking water and on caregiver's hands in Tanzanian households with and without reported cases of child diarrhea. <i>PLoS ONE</i> , 2014 , 9, e84939 | 3.7 | 46 |
| 105 | Diversity and transport of microorganisms in intertidal sands of the California coast. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 3943-51 | 4.8 | 34 |
| 104 | Human health risk implications of multiple sources of faecal indicator bacteria in a recreational waterbody. <i>Water Research</i> , 2014 , 66, 254-264 | 12.5 | 90 |
| 103 | Conducting nanosponge electroporation for affordable and high-efficiency disinfection of bacteria and viruses in water. <i>Nano Letters</i> , 2013 , 13, 4288-93 | 11.5 | 130 |
| 102 | Performance of forty-one microbial source tracking methods: a twenty-seven lab evaluation study. <i>Water Research</i> , 2013 , 47, 6812-28 | 12.5 | 212 |
| 101 | Sunlight inactivation of human viruses and bacteriophages in coastal waters containing natural photosensitizers. <i>Environmental Science & Technology</i> , 2013 , 47, 1870-8 | 10.3 | 80 |

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| 100 | Simple estimate of entrainment rate of pollutants from a coastal discharge into the surf zone. <i>Environmental Science & Technology</i> , 2013 , 47, 11554-61 | 10.3 | 9 |
| 99 | Recommendations following a multi-laboratory comparison of microbial source tracking methods. <i>Water Research</i> , 2013 , 47, 6829-38 | 12.5 | 46 |
| 98 | Performance of viruses and bacteriophages for fecal source determination in a multi-laboratory, comparative study. <i>Water Research</i> , 2013 , 47, 6929-43 | 12.5 | 68 |
| 97 | Engineered Infiltration Systems for Urban Stormwater Reclamation. <i>Environmental Engineering Science</i> , 2013 , 30, 437-454 | 2 | 109 |
| 96 | Evaluation of the repeatability and reproducibility of a suite of qPCR-based microbial source tracking methods. <i>Water Research</i> , 2013 , 47, 6839-48 | 12.5 | 48 |
| 95 | Enterococcus and Escherichia coli fecal source apportionment with microbial source tracking genetic markers--is it feasible?. <i>Water Research</i> , 2013 , 47, 6849-61 | 12.5 | 36 |
| 94 | Comparison of PCR and quantitative real-time PCR methods for the characterization of ruminant and cattle fecal pollution sources. <i>Water Research</i> , 2013 , 47, 6921-8 | 12.5 | 40 |
| 93 | Multi-laboratory evaluations of the performance of <i>Catellibacillus marimammalium</i> PCR assays developed to target gull fecal sources. <i>Water Research</i> , 2013 , 47, 6883-96 | 12.5 | 46 |
| 92 | Performance of human fecal anaerobe-associated PCR-based assays in a multi-laboratory method evaluation study. <i>Water Research</i> , 2013 , 47, 6897-908 | 12.5 | 106 |
| 91 | Characterization of fecal concentrations in human and other animal sources by physical, culture-based, and quantitative real-time PCR methods. <i>Water Research</i> , 2013 , 47, 6873-82 | 12.5 | 48 |
| 90 | Enterococcus spp on fomites and hands indicate increased risk of respiratory illness in child care centers. <i>American Journal of Infection Control</i> , 2013 , 41, 728-33 | 3.8 | 9 |
| 89 | Engineering solutions to improve the removal of fecal indicator bacteria by bioinfiltration systems during intermittent flow of stormwater. <i>Environmental Science & Technology</i> , 2013 , 47, 10791-8 | 10.3 | 71 |
| 88 | A coupled modeling and molecular biology approach to microbial source tracking at Cowell Beach, Santa Cruz, CA, United States. <i>Environmental Science & Technology</i> , 2013 , 47, 10231-9 | 10.3 | 22 |
| 87 | Hands and water as vectors of diarrheal pathogens in Bagamoyo, Tanzania. <i>Environmental Science & Technology</i> , 2013 , 47, 355-63 | 10.3 | 60 |
| 86 | Mechanisms of post-supply contamination of drinking water in Bagamoyo, Tanzania. <i>Journal of Water and Health</i> , 2013 , 11, 543-54 | 2.2 | 22 |
| 85 | Salmonella enterica diversity in central Californian coastal waterways. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 4199-209 | 4.8 | 31 |
| 84 | Marine and Freshwater Fecal Indicators and Source Identification 2013 , 199-235 | | 2 |
| 83 | Recreational Water Risk: Pathogens and Fecal Indicators 2013 , 441-459 | | 3 |

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| 82 | Coupled physical, chemical, and microbiological measurements suggest a connection between internal waves and surf zone water quality in the Southern California Bight. <i>Continental Shelf Research</i> , 2012 , 34, 64-78 | 2.4 | 21 |
| 81 | Fecal contamination and diarrheal pathogens on surfaces and in soils among Tanzanian households with and without improved sanitation. <i>Environmental Science & Technology</i> , 2012 , 46, 5736-43 | 10.3 | 127 |
| 80 | Mobilization and transport of naturally occurring enterococci in beach sands subject to transient infiltration of seawater. <i>Environmental Science & Technology</i> , 2012 , 46, 5988-96 | 10.3 | 44 |
| 79 | Mechanisms for photoinactivation of <i>Enterococcus faecalis</i> in seawater. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 7776-85 | 4.8 | 39 |
| 78 | Comparison of enterovirus and adenovirus concentration and enumeration methods in seawater from Southern California, USA and Baja Malibu, Mexico. <i>Journal of Water and Health</i> , 2012 , 10, 419-30 | 2.2 | 14 |
| 77 | Occurrence and persistence of bacterial pathogens and indicator organisms in beach sand along the California coast. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 1733-45 | 4.8 | 79 |
| 76 | Solar inactivation of four <i>Salmonella</i> serovars in fresh and marine waters. <i>Journal of Water and Health</i> , 2012 , 10, 504-10 | 2.2 | 16 |
| 75 | Diurnal variation in <i>Enterococcus</i> species composition in polluted ocean water and a potential role for the enterococcal carotenoid in protection against photoinactivation. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 305-10 | 4.8 | 37 |
| 74 | Sources and fate of <i>Salmonella</i> and fecal indicator bacteria in an urban creek. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 2206-12 | | 12 |
| 73 | Impact of urbanization and agriculture on the occurrence of bacterial pathogens and stx genes in coastal waterbodies of central California. <i>Water Research</i> , 2011 , 45, 1752-62 | 12.5 | 103 |
| 72 | Bacterial pathogens in Hawaiian coastal streams--associations with fecal indicators, land cover, and water quality. <i>Water Research</i> , 2011 , 45, 3279-90 | 12.5 | 96 |
| 71 | Effective detection of human noroviruses in Hawaiian waters using enhanced RT-PCR methods. <i>Water Research</i> , 2011 , 45, 5837-48 | 12.5 | 20 |
| 70 | Using radium isotopes to characterize water ages and coastal mixing rates: A sensitivity analysis. <i>Limnology and Oceanography: Methods</i> , 2011 , 9, 380-395 | 2.6 | 26 |
| 69 | Bacterial hand contamination among Tanzanian mothers varies temporally and following household activities. <i>Tropical Medicine and International Health</i> , 2011 , 16, 233-9 | 2.3 | 71 |
| 68 | Wrack promotes the persistence of fecal indicator bacteria in marine sands and seawater. <i>FEMS Microbiology Ecology</i> , 2011 , 77, 40-9 | 4.3 | 49 |
| 67 | Submarine Groundwater Discharge to a High-Energy Surf Zone at Stinson Beach, California, Estimated Using Radium Isotopes. <i>Estuaries and Coasts</i> , 2011 , 34, 256-268 | 2.8 | 12 |
| 66 | Dissolved Inorganic Nitrogen, Soluble Reactive Phosphorous, and Microbial Pollutant Loading from Tropical Rural Watersheds in Hawaii to the Coastal Ocean During Non-Storm Conditions. <i>Estuaries and Coasts</i> , 2011 , 34, 925-936 | 2.8 | 12 |
| 65 | Swimmer risk of gastrointestinal illness from exposure to tropical coastal waters impacted by terrestrial dry-weather runoff. <i>Environmental Science & Technology</i> , 2011 , 45, 7158-65 | 10.3 | 73 |

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| 64 | The effects of informational interventions on household water management, hygiene behaviors, stored drinking water quality, and hand contamination in peri-urban Tanzania. <i>American Journal of Tropical Medicine and Hygiene</i> , 2011 , 84, 184-91 | 3.2 | 28 |
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| 19 | Detection of SARS-CoV-2 variant Mu, Beta, Gamma, Lambda, Delta, Alpha, and Omicron in wastewater settled solids using mutation-specific assays is associated with regional detection of variants in clinical samples | | 1 |
| 18 | High Throughput pre-analytical processing of wastewater settled solids for SARS-CoV-2 RNA analyses v2 | | 4 |
| 17 | High Throughput RNA Extraction and PCR Inhibitor Removal of Settled Solids for Wastewater Surveillance of SARS-CoV-2 RNA v2 | | 4 |
| 16 | Classical and Molecular Methods to Measure Fecal Bacteria | | 241-273 2 |
| 15 | Modeling Fate and Transport of Fecal Bacteria in Surface Water | | 165-188 8 |
| 14 | Extraction of RNA from Wastewater Primary Solids Using a Direct Extraction Method for Downstream SARS-CoV-2 RNA Quantification v1 | | 3 |
| 13 | One-Step RT-ddPCR for Detection of SARS-CoV-2, Bovine Coronavirus, and PMMoV RNA in RNA Derived from Wastewater or Primary Settled Solids | | v1 3 |
| 12 | Estimating relative abundance of two SARS-CoV-2 variants through wastewater surveillance at two large metropolitan sites | | 3 |
| 11 | SARS-CoV-2 RNA is enriched by orders of magnitude in solid relative to liquid wastewater at publicly owned treatment works | | 3 |

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| 10 | Standardized preservation, extraction and quantification techniques for detection of fecal SARS-CoV-2 RNA | 2 |
| 9 | SARS-CoV-2 in wastewater settled solids is associated with COVID-19 cases in a large urban sewershed | 9 |
| 8 | High Throughput RNA Extraction and PCR Inhibitor Removal of Settled Solids for Wastewater Surveillance of SARS-CoV-2 RNA v1 | 5 |
| 7 | Wastewater-based estimation of the effective reproductive number of SARS-CoV-2 | 25 |
| 6 | High Throughput SARS-COV-2, PMMOV, and BCoV quantification in settled solids using digital RT-PCR v1 | 3 |
| 5 | Sars-Cov-2 Wastewater Surveillance for Public Health Action: Connecting Perspectives From Wastewater Researchers and Public Health Officials During a Global Pandemic | 2 |
| 4 | Effect of storage conditions on SARS-CoV-2 RNA quantification in wastewater solids | 5 |
| 3 | High frequency, high throughput quantification of SARS-CoV-2 RNA in wastewater settled solids at eight publicly owned treatment works in Northern California shows strong association with COVID-19 incidence | 1 |
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