Alexandria B Boehm

List of Publications by Year
in descending order

210 papers	13,318 citations	17405 63 h-index	31759 101 g-index
252 all docs	252 docs citations	252 times ranked	11342 citing authors

#	Article	IF	Citations
1	Rapid water disinfection using vertically aligned MoS2 nanofilms and visible light. Nature Nanotechnology, 2016, 11, 1098-1104.	15.6	681
2	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	4.6	337
3	Shifts in the relative abundance of ammoniaâ€oxidizing bacteria and archaea across physicochemical gradients in a subterranean estuary. Environmental Microbiology, 2008, 10, 1068-1079.	1.8	333
4	Quantification of Environmental DNA (eDNA) Shedding and Decay Rates for Three Marine Fish. Environmental Science & Technology, 2016, 50, 10456-10464.	4.6	307
5	SARS-CoV-2 RNA in Wastewater Settled Solids Is Associated with COVID-19 Cases in a Large Urban Sewershed. Environmental Science & Technology, 2021, 55, 488-498.	4.6	286
6	Decadal and Shorter Period Variability of Surf Zone Water Quality at Huntington Beach, California. Environmental Science & Technology, 2002, 36, 3885-3892.	4.6	276
7	Performance of forty-one microbial source tracking methods: A twenty-seven lab evaluation study. Water Research, 2013, 47, 6812-6828.	5.3	253
8	Biomonitoring of marine vertebrates in Monterey Bay using eDNA metabarcoding. PLoS ONE, 2017, 12, e0176343.	1.1	191
9	Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. Environmental Sciences: Processes and Impacts, 2018, 20, 1089-1122.	1.7	180
10	Beach Sands along the California Coast Are Diffuse Sources of Fecal Bacteria to Coastal Waters. Environmental Science & Technology, 2007, 41, 4515-4521.	4.6	175
11	Denitrifier Community Composition along a Nitrate and Salinity Gradient in a Coastal Aquifer. Applied and Environmental Microbiology, 2006, 72, 2102-2109.	1.4	170
12	A sea change ahead for recreational water quality criteria. Journal of Water and Health, 2009, 7, 9-20.	1.1	167
13	Conducting Nanosponge Electroporation for Affordable and High-Efficiency Disinfection of Bacteria and Viruses in Water. Nano Letters, 2013, 13, 4288-4293.	4.5	160
14	Evaluation of Filtration and DNA Extraction Methods for Environmental DNA Biodiversity Assessments across Multiple Trophic Levels. Frontiers in Marine Science, 2017, 4, .	1.2	160
15	Tiered Approach for Identification of a Human Fecal Pollution Source at a Recreational Beach:Â Case Study at Avalon Bay, Catalina Island, California. Environmental Science & Technology, 2003, 37, 673-680.	4.6	154
16	Environmental DNA reveals seasonal shifts and potential interactions in a marine community. Nature Communications, 2020, 11, 254.	5.8	154
17	Covariation and Photoinactivation of Traditional and Novel Indicator Organisms and Human Viruses at a Sewage-Impacted Marine Beach. Environmental Science & Technology, 2009, 43, 8046-8052.	4.6	153
18	Scaling and Management of Fecal Indicator Bacteria in Runoff from a Coastal Urban Watershed in Southern California. Environmental Science & Technology, 2004, 38, 2637-2648.	4.6	149

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19	Fecal Contamination and Diarrheal Pathogens on Surfaces and in Soils among Tanzanian Households with and without Improved Sanitation. Environmental Science & Technology, 2012, 46, 5736-5743.	4.6	149
20	Persistence of nucleic acid markers of health-relevant organisms in seawater microcosms: Implications for their use in assessing risk in recreational waters. Water Research, 2009, 43, 4929-4939.	5.3	145
21	Impact of urbanization and agriculture on the occurrence of bacterial pathogens and stx genes in coastal waterbodies of central California. Water Research, 2011, 45, 1752-1762.	5.3	142
22	Engineered Infiltration Systems for Urban Stormwater Reclamation. Environmental Engineering Science, 2013, 30, 437-454.	0.8	137
23	Enterococcus species distribution among human and animal hosts using multiplex PCR. Journal of Applied Microbiology, 2010, 109, 539-547.	1.4	136
24	Efficacy of biochar to remove Escherichia coli from stormwater under steady and intermittent flow. Water Research, 2014, 61, 288-296.	5.3	132
25	Groundwater Discharge:Â Potential Association with Fecal Indicator Bacteria in the Surf Zone. Environmental Science & Technology, 2004, 38, 3558-3566.	4.6	131
26	Growth of Enterococci in Unaltered, Unseeded Beach Sands Subjected to Tidal Wetting. Applied and Environmental Microbiology, 2009, 75, 1517-1524.	1.4	128
27	Hands, Water, and Health: Fecal Contamination in Tanzanian Communities with Improved, Non-Networked Water Supplies. Environmental Science & Technology, 2010, 44, 3267-3272.	4.6	126
28	Systematic Review and Meta-Analysis of the Persistence and Disinfection of Human Coronaviruses and Their Viral Surrogates in Water and Wastewater. Environmental Science and Technology Letters, 2020, 7, 544-553.	3.9	121
29	Static Electricity Powered Copper Oxide Nanowire Microbicidal Electroporation for Water Disinfection. Nano Letters, 2014, 14, 5603-5608.	4.5	118
30	Faecal indicator bacteria enumeration in beach sand: a comparison study of extraction methods in medium to coarse sands. Journal of Applied Microbiology, 2009, 107, 1740-1750.	1.4	117
31	Bacterial pathogens in Hawaiian coastal streamsâ€"Associations with fecal indicators, land cover, and water quality. Water Research, 2011, 45, 3279-3290.	5.3	117
32	Performance of human fecal anaerobe-associated PCR-based assays in a multi-laboratory method evaluation study. Water Research, 2013, 47, 6897-6908.	5.3	117
33	Human health risk implications of multiple sources of faecal indicator bacteria in a recreational waterbody. Water Research, 2014, 66, 254-264.	5.3	117
34	The Environmental Microbiology Minimum Information (EMMI) Guidelines: qPCR and dPCR Quality and Reporting for Environmental Microbiology. Environmental Science & Technology, 2021, 55, 10210-10223.	4.6	117
35	Escherichia coli Removal in Biochar-Augmented Biofilter: Effect of Infiltration Rate, Initial Bacterial Concentration, Biochar Particle Size, and Presence of Compost. Environmental Science & Technology, 2014, 48, 11535-11542.	4.6	112
36	Occurrence of norovirus in raw sewage â€“ A systematic literature review and meta-analysis. Water Research, 2017, 111, 366-374.	5.3	106

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37	Can We Swim Yet? Systematic Review, Meta-Analysis, and Risk Assessment of Aging Sewage in Surface Waters. Environmental Science & Technology, 2018, 52, 9634-9645.	4.6	106
38	Modeling Environmental DNA Transport in the Coastal Ocean Using Lagrangian Particle Tracking. Frontiers in Marine Science, 2019, 6, .	1.2	104
39	Virus transfer between fingerpads and fomites. Journal of Applied Microbiology, 2010, 109, 1868-1874.	1.4	103
40	Efficacy of Waterless Hand Hygiene Compared with Handwashing with Soap: A Field Study in Dar es Salaam, Tanzania. American Journal of Tropical Medicine and Hygiene, 2010, 82, 270-278.	0.6	103
41	Persistence of marine fish environmental DNA and the influence of sunlight. PLoS ONE, 2017, 12, e0185043.	1.1	103
42	Enterococci Concentrations in Diverse Coastal Environments Exhibit Extreme Variability. Environmental Science & Technology, 2007, 41, 8227-8232.	4.6	101
43	Nutrient inputs to the coastal ocean from submarine groundwater discharge in a groundwaterâ€dominated system: Relation to land use (Kona coast, Hawaii, U.S.A.). Limnology and Oceanography, 2010, 55, 1105-1122.	1.6	101
44	Human-Associated Fecal Quantitative Polymerase Chain Reaction Measurements and Simulated Risk of Gastrointestinal Illness in Recreational Waters Contaminated with Raw Sewage. Environmental Science and Technology Letters, 2015, 2, 270-275.	3.9	99
45	Composition and flux of groundwater from a California beach aquifer: Implications for nutrient supply to the surf zone. Continental Shelf Research, 2006, 26, 269-282.	0.9	94
46	Environmental Engineers and Scientists Have Important Roles to Play in Stemming Outbreaks and Pandemics Caused by Enveloped Viruses. Environmental Science & Technology, 2020, 54, 3736-3739.	4.6	94
47	Sunlight Inactivation of Human Viruses and Bacteriophages in Coastal Waters Containing Natural Photosensitizers. Environmental Science & Technology, 2013, 47, 1870-1878.	4.6	93
48	Occurrence and Persistence of Bacterial Pathogens and Indicator Organisms in Beach Sand along the California Coast. Applied and Environmental Microbiology, 2012, 78, 1733-1745.	1.4	92
49	Wastewater-Based Estimation of the Effective Reproductive Number of SARS-CoV-2. Environmental Health Perspectives, 2022, 130, .	2.8	92
50	Marine Vertebrate Biodiversity and Distribution Within the Central California Current Using Environmental DNA (eDNA) Metabarcoding and Ecosystem Surveys. Frontiers in Marine Science, 2019, 6, .	1.2	90
51	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. Environmental Science and Technology Letters, 2021, 8, 398-404.	3.9	89
52	Swimmer Risk of Gastrointestinal Illness from Exposure to Tropical Coastal Waters Impacted by Terrestrial Dry-Weather Runoff. Environmental Science & Technology, 2011, 45, 7158-7165.	4.6	86
53	Bacterial hand contamination among Tanzanian mothers varies temporally and following household activities. Tropical Medicine and International Health, 2011, 16, 233-239.	1.0	85
54	Systematic review and meta-analysis of decay rates of waterborne mammalian viruses and coliphages in surface waters. Water Research, 2019, 164, 114898.	5.3	85

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55	Engineering Solutions to Improve the Removal of Fecal Indicator Bacteria by Bioinfiltration Systems during Intermittent Flow of Stormwater. Environmental Science & Technology, 2013, 47, 10791-10798.	4.6	83
56	Caffeine and agricultural pesticide concentrations in surface water and groundwater on the north shore of Kauai (Hawaii, USA). Marine Pollution Bulletin, 2010, 60, 1376-1382.	2.3	82
57	Regional Public Health Cost Estimates of Contaminated Coastal Waters:Â A Case Study of Gastroenteritis at Southern California Beaches. Environmental Science & Technology, 2006, 40, 4851-4858.	4.6	81
58	Wastewater-Based Detection of Two Influenza Outbreaks. Environmental Science and Technology Letters, 2022, 9, 687-692.	3.9	80
59	Tidal Forcing of Enterococci at Marine Recreational Beaches at Fortnightly and Semidiurnal Frequencies. Environmental Science & Technology, 2005, 39, 5575-5583.	4.6	76
60	Hands and Water as Vectors of Diarrheal Pathogens in Bagamoyo, Tanzania. Environmental Science & Technology, 2013, 47, 355-363.	4.6	76
61	Performance of viruses and bacteriophages for fecal source determination in a multi-laboratory, comparative study. Water Research, 2013, 47, 6929-6943.	5.3	75
62	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. Ecological Engineering, 2017, 102, 320-330.	1.6	75
63	SARS-CoV-2 Wastewater Surveillance for Public Health Action. Emerging Infectious Diseases, 2021, 27, 1-8.	2.0	73
64	Genomic and Phenotypic Diversity of Coastal Vibrio cholerae Strains Is Linked to Environmental Factors. Applied and Environmental Microbiology, 2007, 73, 3705-3714.	1.4	70
65	Decay of sewage-sourced microbial source tracking markers and fecal indicator bacteria in marine waters. Water Research, 2017, 108, 106-114.	5.3	70
66	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. MSystems, 2021, 6, e0082921.	1.7	70
67	Occurrence of Host-Associated Fecal Markers on Child Hands, Household Soil, and Drinking Water in Rural Bangladeshi Households. Environmental Science and Technology Letters, 2016, 3, 393-398.	3.9	69
68	Predicting water quality at Santa Monica Beach: Evaluation of five different models for public notification of unsafe swimming conditions. Water Research, 2014, 67, 105-117.	5.3	68
69	Cross-Shelf Transport at Huntington Beach. Implications for the Fate of Sewage Discharged through an Offshore Ocean Outfall. Environmental Science & Technology, 2002, 36, 1899-1906.	4.6	67
70	Wrack promotes the persistence of fecal indicator bacteria in marine sands and seawater. FEMS Microbiology Ecology, 2011, 77, 40-49.	1.3	67
71	Environmental Spread of New Delhi Metallo-Î²-Lactamase-1-Producing Multidrug-Resistant Bacteria in Dhaka, Bangladesh. Applied and Environmental Microbiology, 2017, 83, .	1.4	67
72	Solar Inactivation of Enterococci and Escherichia coli in Natural Waters: Effects of Water Absorbance and Depth. Environmental Science & Technology, 2016, 50, 5068-5076.	4.6	66

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73	Sunlight inactivation of fecal indicator bacteria in open-water unit process treatment wetlands: Modeling endogenous and exogenous inactivation rates. Water Research, 2015, 83, 282-292.	5.3	65
74	Respiratory Syncytial Virus (RSV) RNA in Wastewater Settled Solids Reflects RSV Clinical Positivity Rates. Environmental Science and Technology Letters, 2022, 9, 173-178.	3.9	65
75	An analytical model of enterococci inactivation, grazing, and transport in the surf zone of a marine beach. Water Research, 2005, 39, 3565-3578.	5.3	64
76	Ruminants Contribute Fecal Contamination to the Urban Household Environment in Dhaka, Bangladesh. Environmental Science & Technology, 2016, 50, 4642-4649.	4.6	62
77	Sources of Nutrients and Fecal Indicator Bacteria to Nearshore Waters on the North Shore of Kaua`i (Hawai`i, USA). Estuaries and Coasts, 2008, 31, 607-622.	1.0	60
78	Effect of weathering on mobilization of biochar particles and bacterial removal in a stormwater biofilter. Water Research, 2015, 85, 208-215.	5.3	59
79	Comparison of Surface Sampling Methods for Virus Recovery from Fomites. Applied and Environmental Microbiology, 2011, 77, 6918-6925.	1.4	58
80	Multi-laboratory evaluations of the performance of Catellicoccus marimammalium PCR assays developed to target gull fecal sources. Water Research, 2013, 47, 6883-6896.	5.3	58
81	Hand-to-Mouth Contacts Result in Greater Ingestion of Feces than Dietary Water Consumption in Tanzania: A Quantitative Fecal Exposure Assessment Model. Environmental Science & Technology, 2015, 49, 1912-1920.	4.6	58
82	Enteric Pathogens in Stored Drinking Water and on Caregiverâ€™s Hands in Tanzanian Households with and without Reported Cases of Child Diarrhea. PLoS ONE, 2014, 9, e84939.	1.1	57
83	Submarine discharge of nutrientâ€enriched fresh groundwater at Stinson Beach, California is enhanced during neap tides. Limnology and Oceanography, 2008, 53, 1434-1445.	1.6	56
84	A Model of Exposure to Rotavirus from Nondietary Ingestion Iterated by Simulated Intermittent Contacts. Risk Analysis, 2009, 29, 617-632.	1.5	56
85	Evaluation of the repeatability and reproducibility of a suite of qPCR-based microbial source tracking methods. Water Research, 2013, 47, 6839-6848.	5.3	56
86	Enterococci Predictions from Partial Least Squares Regression Models in Conjunction with a Single-Sample Standard Improve the Efficacy of Beach Management Advisories. Environmental Science & Technology, 2006, 40, 1737-1743.	4.6	55
87	Diversity and Transport of Microorganisms in Intertidal Sands of the California Coast. Applied and Environmental Microbiology, 2014, 80, 3943-3951.	1.4	55
88	Hand bacterial communities vary across two different human populations. Microbiology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	0.7	55
89	Recommendations following a multi-laboratory comparison of microbial source tracking methods. Water Research, 2013, 47, 6829-6838.	5.3	53
90	Impacts of a changing earth on microbial dynamics and human health risks in the continuum between beach water and sand. Water Research, 2019, 162, 456-470.	5.3	53

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91	Characterization of fecal concentrations in human and other animal sources by physical, culture-based, and quantitative real-time PCR methods. Water Research, 2013, 47, 6873-6882.	5.3	52
92	Detecting and enumerating soil-transmitted helminth eggs in soil: New method development and results from field testing in Kenya and Bangladesh. PLoS Neglected Tropical Diseases, 2017, 11, e0005522.	1.3	51
93	Predictors of Enteric Pathogens in the Domestic Environment from Human and Animal Sources in Rural Bangladesh. Environmental Science & Technology, 2019, 53, 10023-10033.	4.6	50
94	Frequent occurrence of the human-specific Bacteroides fecal marker at an open coast marine beach: relationship to waves, tides and traditional indicators. Environmental Microbiology, 2007, 9, 2038-2049.	1.8	49
95	Mechanisms for Photoinactivation of Enterococcus faecalis in Seawater. Applied and Environmental Microbiology, 2012, 78, 7776-7785.	1.4	48
96	Mobilization and Transport of Naturally Occurring Enterococci in Beach Sands Subject to Transient Infiltration of Seawater. Environmental Science & Technology, 2012, 46, 5988-5996.	4.6	47
97	Relationship and Variation of qPCR and Culturable Enterococci Estimates in Ambient Surface Waters Are Predictable. Environmental Science & Technology, 2010, 44, 5049-5054.	4.6	46
98	SARS-CoV-2 RNA is enriched by orders of magnitude in primary settled solids relative to liquid wastewater at publicly owned treatment works. Environmental Science: Water Research and Technology, 2022, 8, 757-770.	1.2	46
99	Detection and Transformation of Genome Segments That Differ within a Coastal Population of Vibrio cholerae Strains. Applied and Environmental Microbiology, 2007, 73, 3695-3704.	1.4	45
100	Comparison of PCR and quantitative real-time PCR methods for the characterization of ruminant and cattle fecal pollution sources. Water Research, 2013, 47, 6921-6928.	5.3	45
101	Effect of submarine groundwater discharge on bacterial indicators and swimmer health at Avalon Beach, CA, USA. Water Research, 2014, 59, 23-36.	5.3	44
102	Photoinactivation of Eight Health-Relevant Bacterial Species: Determining the Importance of the Exogenous Indirect Mechanism. Environmental Science & Technology, 2016, 50, 5050-5059.	4.6	44
103	Diurnal Variation in Enterococcus Species Composition in Polluted Ocean Water and a Potential Role for the Enterococcal Carotenoid in Protection against Photoinactivation. Applied and Environmental Microbiology, 2012, 78, 305-310.	1.4	42
104	Soil-Transmitted Helminth Eggs Are Present in Soil at Multiple Locations within Households in Rural Kenya. PLoS ONE, 2016, 11, e0157780.	1.1	40
105	Systematic Review and Meta-Analysis of the Persistence of Enveloped Viruses in Environmental Waters and Wastewater in the Absence of Disinfectants. Environmental Science & Technology, 2021, 55, 14480-14493.	4.6	40
106	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. Applied and Environmental Microbiology, 2022, 88, e0004522.	1.4	40
107	Enterococcus and Escherichia coli fecal source apportionment with microbial source tracking genetic markers â€“ Is it feasible?. Water Research, 2013, 47, 6849-6861.	5.3	39
108	Effect of storage conditions on SARS-CoV-2 RNA quantification in wastewater solids. PeerJ, 2021, 9, e11933.	0.9	39

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109	Model of Microbial Transport and Inactivation in the Surf Zone and Application to Field Measurements of Total Coliform in Northern Orange County, California. Environmental Science & Technology, 2003, 37, 5511-5517.	4.6	38
110	The Effects of Informational Interventions on Household Water Management, Hygiene Behaviors, Stored Drinking Water Quality, and Hand Contamination in Peri-Urban Tanzania. American Journal of Tropical Medicine and Hygiene, 2011, 84, 184-191.	0.6	38
111	Using radium isotopes to characterize water ages and coastal mixing rates: A sensitivity analysis. Limnology and Oceanography: Methods, 2011, 9, 380-395.	1.0	37
112	Salmonella enterica Diversity in Central Californian Coastal Waterways. Applied and Environmental Microbiology, 2013, 79, 4199-4209.	1.4	37
113	Biochar-augmented biofilters to improve pollutant removal from stormwater â€“ can they improve receiving water quality?. Environmental Science: Water Research and Technology, 2020, 6, 1520-1537.	1.2	37
114	Water quality criteria for an acidifying ocean: Challenges and opportunities for improvement. Ocean and Coastal Management, 2016, 126, 31-41.	2.0	36
115	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. Environmental Science: Water Research and Technology, 2021, 7, 1545-1551.	1.2	34
116	A human fecal contamination score for ranking recreational sites using the HF183/BacR287 quantitative real-time PCR method. Water Research, 2018, 128, 148-156.	5.3	33
117	Mechanisms of post-supply contamination of drinking water in Bagamoyo, Tanzania. Journal of Water and Health, 2013, 11, 543-554.	1.1	32
118	Standardized preservation, extraction and quantification techniques for detection of fecal SARS-CoV-2 RNA. Nature Communications, 2021, 12, 5753.	5.8	32
119	Escherichia coli Removal in Biochar-Modified Biofilters: Effects of Biofilm. PLoS ONE, 2016, 11, e0167489.	1.1	32
120	Improvement of Urban Lake Water Quality by Removal of Escherichia coli through the Action of the Bivalve Anodonta californiensis. Environmental Science & Technology, 2015, 49, 1664-1672.	4.6	30
121	Absolute Quantification of Enterococcal 23S rRNA Gene Using Digital PCR. Environmental Science & Technology, 2016, 50, 3399-3408.	4.6	30
122	Multiple Pathways to Bacterial Load Reduction by Stormwater Best Management Practices: Trade-Offs in Performance, Volume, and Treated Area. Environmental Science & Technology, 2018, 52, 6370-6379.	4.6	30
123	Fecal indicator bacteria and virus removal in stormwater biofilters: Effects of biochar, media saturation, and field conditioning. PLoS ONE, 2019, 14, e0222719.	1.1	28
124	Human development is linked to multiple water body impairments along the California coast. Estuaries and Coasts, 2006, 29, 860-870.	1.0	27
125	Oceans in Peril: Grand Challenges in Applied Water Quality Research for the 21st Century. Environmental Engineering Science, 2017, 34, 3-15.	0.8	27
126	A Day at the Beach: Enabling Coastal Water Quality Prediction with High-Frequency Sampling and Data-Driven Models. Environmental Science & Technology, 2021, 55, 1908-1918.	4.6	27

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127	Transfer Rate of Enveloped and Nonenveloped Viruses between Fingerpads and Surfaces. Applied and Environmental Microbiology, 2021, 87, e0121521.	1.4	27
128	Fecal indicator bacteria and Salmonella in ponds managed as bird habitat, San Francisco Bay, California, USA. Water Research, 2008, 42, 2921-2930.	5.3	26
129	A Coupled Modeling and Molecular Biology Approach to Microbial Source Tracking at Cowell Beach, Santa Cruz, CA, United States. Environmental Science & Technology, 2013, 47, 130827102940009.	4.6	26
130	Occurrence of Host-Associated Fecal Markers on Child Hands, Household Soil, and Drinking Water in Rural Bangladeshi Households. Environmental Science and Technology Letters, 2016, 3, 393-398.	3.9	26
131	Efficacy of alcohol-based hand sanitizer on hands soiled with dirt and cooking oil. Journal of Water and Health, 2011, 9, 429-433.	1.1	25
132	Mobilization of Microspheres from a Fractured Soil during Intermittent Infiltration Events. Vadose Zone Journal, 2015, 14, vzj2014.05.0058.	1.3	25
133	Temporal Stability of the Microbial Community in Sewage-Polluted Seawater Exposed to Natural Sunlight Cycles and Marine Microbiota. Applied and Environmental Microbiology, 2015, 81, 2107-2116.	1.4	25
134	Frequent detection of a human fecal indicator in the urban ocean: environmental drivers and covariation with enterococci. Environmental Sciences: Processes and Impacts, 2018, 20, 480-492.	1.7	25
135	Preventing Scientific and Ethical Misuse of Wastewater Surveillance Data. Environmental Science & Technology, 2021, 55, 11473-11475.	4.6	25
136	Sewage loading and microbial risk in urban waters of the Great Lakes. Elementa, 2018, 6, .	1.1	25
137	Estimating Relative Abundance of 2 SARS-CoV-2 Variants through Wastewater Surveillance at 2 Large Metropolitan Sites, United States. Emerging Infectious Diseases, 2022, 28, 940-947.	2.0	25
138	Effective detection of human noroviruses in Hawaiian waters using enhanced RT-PCR methods. Water Research, 2011, 45, 5837-5848.	5.3	23
139	Regional Replacement of SARS-CoV-2 Variant Omicron BA.1 with BA.2 as Observed through Wastewater Surveillance. Environmental Science and Technology Letters, 2022, 9, 575-580.	3.9	23
140	Coupled physical, chemical, and microbiological measurements suggest a connection between internal waves and surf zone water quality in the Southern California Bight. Continental Shelf Research, 2012, 34, 64-78.	0.9	22
141	Comparative decay of Catellicoccus marimmalium and enterococci in beach sand and seawater. Water Research, 2015, 83, 377-384.	5.3	22
142	Implementation of an automated beach water quality nowcast system at ten California oceanic beaches. Journal of Environmental Management, 2018, 223, 633-643.	3.8	22
143	Detection limits and cost comparisons of human- and gull-associated conventional and quantitative PCR assays in artificial and environmental waters. Journal of Environmental Management, 2014, 136, 112-120.	3.8	21
144	Impacts of Beach Wrack Removal via Grooming on Surf Zone Water Quality. Environmental Science & Technology, 2014, 48, 2203-2211.	4.6	21

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145	Risk-Based Threshold of Gull-Associated Fecal Marker Concentrations for Recreational Water. Environmental Science and Technology Letters, 2017, 4, 44-48.	3.9	21
146	Role of microbial cell properties on bacterial pathogen and coliphage removal in biochar-modified stormwater biofilters. Environmental Science: Water Research and Technology, 2018, 4, 2160-2169.	1.2	21
147	Solar inactivation of four Salmonella serovars in fresh and marine waters. Journal of Water and Health, 2012, 10, 504-510.	1.1	20
148	Comparison of enterovirus and adenovirus concentration and enumeration methods in seawater from Southern California, USA and Baja Malibu, Mexico. Journal of Water and Health, 2012, 10, 419-430.	1.1	20
149	Persistence of Endogenous SARS-CoV-2 and Pepper Mild Mottle Virus RNA in Wastewater-Settled Solids. ACS ES&T Water, 2022, 2, 1944-1952.	2.3	20
150	Ocean Acidification Science Needs for Natural Resource Managers of the North American West Coast. Oceanography, 2015, 25, 170-181.	0.5	19
151	Exogenous indirect photoinactivation of bacterial pathogens and indicators in water with natural and synthetic photosensitizers in simulated sunlight with reduced <scp>UVB</scp>. Journal of Applied Microbiology, 2016, 121, 587-597.	1.4	19
152	Estimating the probability of illness due to swimming in recreational water with a mixture of human- and gull-associated microbial source tracking markers. Environmental Sciences: Processes and Impacts, 2017, 19, 1528-1541.	1.7	19
153	Risk-based water quality thresholds for coliphages in surface waters: effect of temperature and contamination aging. Environmental Sciences: Processes and Impacts, 2019, 21, 2031-2041.	1.7	18
154	CrAssphage for fecal source tracking in Chile: Covariation with norovirus, HF183, and bacterial indicators. Water Research X, 2020, 9, 100071.	2.8	18
155	Escherichia coli Reduction by Bivalves in an Impaired River Impacted by Agricultural Land Use. Environmental Science & Technology, 2016, 50, 11025-11033.	4.6	17
156	Covariation of coastal water temperature and microbial pollution at interannual to tidal periods. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	16
157	Transcriptional response of Enterococcus faecalis to sunlight. Journal of Photochemistry and Photobiology B: Biology, 2014, 130, 349-356.	1.7	16
158	Growth-dependent photoinactivation kinetics ofEnterococcus faecalis. Journal of Applied Microbiology, 2015, 118, 1226-1237.	1.4	16
159	Transfer of Enteric Viruses Adenovirus and Coxsackievirus and Bacteriophage MS2 from Liquid to Human Skin. Applied and Environmental Microbiology, 2018, 84, .	1.4	16
160	Integrating Environmental Dimensions of â€œOne Healthâ€•to Combat Antimicrobial Resistance: Essential Research Needs. Environmental Science & Technology, 2022, 56, 14871-14874.	4.6	16
161	Simple Estimate of Entrainment Rate of Pollutants from a Coastal Discharge into the Surf Zone. Environmental Science & Technology, 2013, 47, 11554-11561.	4.6	15
162	Sources and fate of Salmonella and fecal indicator bacteria in an urban creek. Journal of Environmental Monitoring, 2011, 13, 2206.	2.1	14

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163	Submarine Groundwater Discharge to a High-Energy Surf Zone at Stinson Beach, California, Estimated Using Radium Isotopes. Estuaries and Coasts, 2011, 34, 256-268.	1.0	14
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