

Valerie J Harwood

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

4,339
citations

147566

31
h-index

149479

56
g-index

62
all docs

62
docs citations

62
times ranked

3687
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimizing errors in RT-PCR detection and quantification of SARS-CoV-2 RNA for wastewater surveillance. <i>Science of the Total Environment</i> , 2022, 805, 149877.	3.9	153
2	A framework for standardized qPCR-targets and protocols for quantifying antibiotic resistance in surface water, recycled water and wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2022, 52, 4395-4419.	6.6	27
3	An assessment of three methods for extracting bacterial DNA from beach sand. <i>Journal of Applied Microbiology</i> , 2022, 132, 2990-3000.	1.4	0
4	Antimicrobial Resistance Monitoring of Water Environments: A Framework for Standardized Methods and Quality Control. <i>Environmental Science & Technology</i> , 2022, 56, 9149-9160.	4.6	80
5	Relationships among microbial indicators of fecal pollution, microbial source tracking markers, and pathogens in Costa Rican coastal waters. <i>Water Research</i> , 2021, 188, 116507.	5.3	40
6	The relationship between environmental parameters and microbial water quality at two Costa Rican beaches from 2002 to 2017. <i>Marine Pollution Bulletin</i> , 2021, 163, 111957.	2.3	3
7	Interventions can shift the thermal optimum for parasitic disease transmission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	15
8	Antibiotic-resistant <i>Enterococcus</i> species in marine habitats: A review. <i>Current Opinion in Environmental Science and Health</i> , 2020, 16, 92-100.	2.1	5
9	Critical review of methods for isothermal amplification of nucleic acids for environmental analysis. <i>Journal of Microbiological Methods</i> , 2020, 179, 106099.	0.7	3
10	Comparison of DNA Methylation in <i>Vibrio vulnificus</i> Cells Grown in Human Serum with Those Grown in Seawater. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.3	0
11	Synergy between quantitative microbial source tracking (qMST) and quantitative microbial risk assessment (QMRA): A review and prospectus. <i>Environment International</i> , 2019, 130, 104703.	4.8	58
12	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.	5.3	53
13	Vancomycin resistance plasmids affect persistence of <i>Enterococcus faecium</i> in water. <i>Water Research</i> , 2019, 166, 115069.	5.3	9
14	Persistence and Decay of Fecal Microbiota in Aquatic Habitats. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	89
15	Use of <i>Escherichia coli</i> genes associated with human sewage to track fecal contamination source in subtropical waters. <i>Science of the Total Environment</i> , 2019, 686, 1069-1075.	3.9	21
16	Extended persistence of general and cattle-associated fecal indicators in marine and freshwater environment. <i>Science of the Total Environment</i> , 2019, 650, 1292-1302.	3.9	29
17	Application of SourceTracker for Accurate Identification of Fecal Pollution in Recreational Freshwater: A Double-Blinded Study. <i>Environmental Science & Technology</i> , 2018, 52, 4207-4217.	4.6	59
18	Toward Forensic Uses of Microbial Source Tracking. <i>Microbiology Spectrum</i> , 2018, 6, .	1.2	16

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19	Evaluation of the novel crAssphage marker for sewage pollution tracking in storm drain outfalls in Tampa, Florida. <i>Water Research</i> , 2018, 131, 142-150.	5.3	87
20	Relationships between Microbial Indicators and Pathogens in Recreational Water Settings. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2842.	1.2	111
21	Quantitative microbial risk assessment of microbial source tracking markers in recreational water contaminated with fresh untreated and secondary treated sewage. <i>Environment International</i> , 2018, 117, 243-249.	4.8	67
22	Precipitation influences pathogenic bacteria and antibiotic resistance gene abundance in storm drain outfalls in coastal sub-tropical waters. <i>Environment International</i> , 2018, 116, 308-318.	4.8	92
23	Multiple lines of evidence to identify sewage as the cause of water quality impairment in an urbanized tropical watershed. <i>Water Research</i> , 2017, 116, 23-33.	5.3	31
24	Transport and attenuation of <i>Salmonella enterica</i> , fecal indicator bacteria and a poultry litter marker gene are correlated in soil columns. <i>Science of the Total Environment</i> , 2017, 598, 204-212.	3.9	18
25	Current Status of Marker Genes of <i>Bacteroides</i> and Related Taxa for Identifying Sewage Pollution in Environmental Waters. <i>Water (Switzerland)</i> , 2016, 8, 231.	1.2	106
26	Beach sand and the potential for infectious disease transmission: observations and recommendations. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 101-120.	0.4	80
27	Differential decomposition of bacterial and viral fecal indicators in common human pollution types. <i>Water Research</i> , 2016, 105, 591-601.	5.3	32
28	Vancomycin-Resistant Enterococci and Bacterial Community Structure following a Sewage Spill into an Aquatic Environment. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5653-5660.	1.4	32
29	Human-Associated <i>Bacteroides</i> spp. and Human Polyomaviruses as Microbial Source Tracking Markers in Hawaii. <i>Applied and Environmental Microbiology</i> , 2016, 82, 6757-6767.	1.4	24
30	Ultrafiltration and Microarray for Detection of Microbial Source Tracking Marker and Pathogen Genes in Riverine and Marine Systems. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1625-1635.	1.4	17
31	A Novel Microbial Source Tracking Microarray for Pathogen Detection and Fecal Source Identification in Environmental Systems. <i>Environmental Science & Technology</i> , 2015, 49, 7319-7329.	4.6	36
32	Evidence for Extraintestinal Growth of <i>Bacteroidales</i> Originating from Poultry Litter. <i>Applied and Environmental Microbiology</i> , 2015, 81, 196-202.	1.4	12
33	A synthesis of the effects of pesticides on microbial persistence in aquatic ecosystems. <i>Critical Reviews in Toxicology</i> , 2015, 45, 813-836.	1.9	84
34	Sediment and Vegetation as Reservoirs of <i>Vibrio vulnificus</i> in the Tampa Bay Estuary and Gulf of Mexico. <i>Applied and Environmental Microbiology</i> , 2015, 81, 2489-2494.	1.4	22
35	LA35 Poultry Fecal Marker Persistence Is Correlated with That of Indicators and Pathogens in Environmental Waters. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4616-4625.	1.4	20
36	Agrochemicals indirectly increase survival of <i>E. coli</i> O157:H7 and indicator bacteria by reducing ecosystem services. <i>Ecological Applications</i> , 2014, 24, 1945-1953.	1.8	44

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37	Microbial source tracking markers for detection of fecal contamination in environmental waters: relationships between pathogens and human health outcomes. <i>FEMS Microbiology Reviews</i> , 2014, 38, 1-40.	3.9	496
38	Opportunities and limitations of molecular methods for quantifying microbial compliance parameters in EU bathing waters. <i>Environment International</i> , 2014, 64, 124-128.	4.8	28
39	Differential Expression of a Sodium-Phosphate Cotransporter Among <i>Vibrio vulnificus</i> Strains. <i>Microbial Ecology</i> , 2014, 67, 24-33.	1.4	5
40	Protozoan Predation Is Differentially Affected by Motility of Enteric Pathogens in Water vs. Sediments. <i>Microbial Ecology</i> , 2014, 68, 751-760.	1.4	13
41	Microbes in beach sands: integrating environment, ecology and public health. <i>Reviews in Environmental Science and Biotechnology</i> , 2014, 13, 329-368.	3.9	127
42	Performance of viruses and bacteriophages for fecal source determination in a multi-laboratory, comparative study. <i>Water Research</i> , 2013, 47, 6929-6943.	5.3	75
43	The influence of predation and competition on the survival of commensal and pathogenic fecal bacteria in aquatic habitats. <i>Environmental Microbiology</i> , 2013, 15, 517-526.	1.8	84
44	Dynamic performance of biosand filters. <i>Journal - American Water Works Association</i> , 2013, 105, E587.	0.2	17
45	Performance of Two Quantitative PCR Methods for Microbial Source Tracking of Human Sewage and Implications for Microbial Risk Assessment in Recreational Waters. <i>Applied and Environmental Microbiology</i> , 2012, 78, 7317-7326.	1.4	128
46	Assessment of sources of human pathogens and fecal contamination in a Florida freshwater lake. <i>Water Research</i> , 2012, 46, 5799-5812.	5.3	66
47	Genetic and quantitative assessment of <i>Vibrio vulnificus</i> populations in oyster (<i>Crassostrea</i>) Tj ETQq1 1 Q.784314 rgBT /Over	1.0	1
48	Quantifying environmental reservoirs of fecal indicator bacteria associated with sediment and submerged aquatic vegetation. <i>Environmental Microbiology</i> , 2011, 13, 932-942.	1.8	73
49	The Use of Genetic Typing Methods to Discriminate Among Strains of <i>Vibrio cholerae</i> , <i>V. parahaemolyticus</i> , and <i>V. vulnificus</i> . <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1553-1569.	0.7	9
50	Validation and field testing of library-independent microbial source tracking methods in the Gulf of Mexico. <i>Water Research</i> , 2009, 43, 4812-4819.	5.3	87
51	Persistence and Differential Survival of Fecal Indicator Bacteria in Subtropical Waters and Sediments. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3041-3048.	1.4	455
52	Validity of the Indicator Organism Paradigm for Pathogen Reduction in Reclaimed Water and Public Health Protection. <i>Applied and Environmental Microbiology</i> , 2005, 71, 3163-3170.	1.4	460
53	Methods for isolation and confirmation of <i>Vibrio vulnificus</i> from oysters and environmental sources: a review. <i>Journal of Microbiological Methods</i> , 2004, 59, 301-316.	0.7	86
54	Assessment of statistical methods used in library-based approaches to microbial source tracking. <i>Journal of Water and Health</i> , 2003, 1, 209-223.	1.1	46

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55	Phenotypic library-based microbial source tracking methods: Efficacy in the California collaborative study. <i>Journal of Water and Health</i> , 2003, 1, 153-166.	1.1	85
56	Phenotypic library-based microbial source tracking methods: efficacy in the California collaborative study. <i>Journal of Water and Health</i> , 2003, 1, 153-66.	1.1	19
57	Vancomycin-Resistant <i>Enterococcus</i> spp. Isolated from Wastewater and Chicken Feces in the United States. <i>Applied and Environmental Microbiology</i> , 2001, 67, 4930-4933.	1.4	79
58	Classification of Antibiotic Resistance Patterns of Indicator Bacteria by Discriminant Analysis: Use in Predicting the Source of Fecal Contamination in Subtropical Waters. <i>Applied and Environmental Microbiology</i> , 2000, 66, 3698-3704.	1.4	308
59	Assumptions and Limitations Associated with Microbial Source Tracking Methods. , 0, , 33-64.		7
60	Microbial Source Tracking. , 0, , 189-216.		3
61	Toward Forensic Uses of Microbial Source Tracking. , 0, , 115-141.		0