

Jill R Stewart

List of Publications by Year in descending order

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Version: 2024-02-01

84
papers

2,758
citations

172207

29
h-index

205818

48
g-index

89
all docs

89
docs citations

89
times ranked

2861
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Identifying bioaugmentation candidates for bioremediation of polycyclic aromatic hydrocarbons in contaminated estuarine sediment of the Elizabeth River, VA, USA. <i>Applied Microbiology and Biotechnology</i> , 2022, , 1. | 1.7 | 4 |
| 2 | Characterizing Differences in Sources of and Contributions to Fecal Contamination of Sediment and Surface Water with the Microbial FIT Framework. <i>Environmental Science & Technology</i> , 2022, 56, 4231-4240. | 4.6 | 10 |
| 3 | A watershed study assessing effects of commercial hog operations on microbial water quality in North Carolina, USA. <i>Science of the Total Environment</i> , 2022, 838, 156085. | 3.9 | 7 |
| 4 | Transmission of Antimicrobial-Resistant <i>Staphylococcus aureus</i> Clonal Complex 9 between Pigs and Humans, United States. <i>Emerging Infectious Diseases</i> , 2021, 27, 740-748. | 2.0 | 11 |
| 5 | 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, . | 2.8 | 44 |
| 6 | "Agua para Galápagos": un programa de monitoreo de la calidad del agua en las islas Galápagos. <i>Esfers</i> , 2021, 2, 26. | 0.0 | 0 |
| 7 | Getting ahead of antibiotic-resistant <i>Staphylococcus aureus</i> in U.S. hogs. <i>Environmental Research</i> , 2021, 196, 110954. | 3.7 | 3 |
| 8 | Impact of an Urban Sanitation Intervention on Enteric Pathogen Detection in Soils. <i>Environmental Science & Technology</i> , 2021, 55, 9989-10000. | 4.6 | 16 |
| 9 | Microbial Find, Inform, and Test Model for Identifying Spatially Distributed Contamination Sources: Framework Foundation and Demonstration of Ruminant Bacteroides Abundance in River Sediments. <i>Environmental Science & Technology</i> , 2021, 55, 10451-10461. | 4.6 | 6 |
| 10 | Occurrence of male-specific and somatic coliphages and relationship with rainfall in privately-owned wells from peri-urban and rural households. <i>Water Research X</i> , 2021, 12, 100102. | 2.8 | 6 |
| 11 | 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. | 4.6 | 10 |
| 12 | Microbial Contamination in Environmental Waters of Rural and Agriculturally-Dominated Landscapes Following Hurricane Florence. <i>ACS ES&T Water</i> , 2021, 1, 2012-2019. | 2.3 | 9 |
| 13 | Chitosan Coagulation Pretreatment to Enhance Ceramic Water Filtration for Household Water Treatment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9736. | 1.8 | 7 |
| 14 | Are carbon water filters safe for private wells? Evaluating the occurrence of microbial indicator organisms in private well water treated by point-of-use activated carbon block filters. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 238, 113852. | 2.1 | 8 |
| 15 | Neurocognitive and social-communicative function of children born very preterm at 10 years of age: Associations with microorganisms recovered from the placenta parenchyma. <i>Journal of Perinatology</i> , 2020, 40, 306-315. | 0.9 | 9 |
| 16 | Drinking water improvements and rates of urinary and gastrointestinal infections in Galápagos, Ecuador: Assessing household and community factors. <i>American Journal of Human Biology</i> , 2020, 32, e23358. | 0.8 | 20 |
| 17 | Antibiotic Resistance in Recreational Waters: State of the Science. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8034. | 1.2 | 40 |
| 18 | Human Cytomegalovirus Infections Are Associated With Elevated Biomarkers of Vascular Injury. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 334. | 1.8 | 7 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | Risk of Antibiotic-Resistant <i>Staphylococcus aureus</i> Dispersion from Hog Farms: A Critical Review. <i>Risk Analysis</i> , 2020, 40, 1645-1665. | 1.5 | 9 |
| 21 | Microbial Indicators of Fecal Pollution: Recent Progress and Challenges in Assessing Water Quality. <i>Current Environmental Health Reports</i> , 2020, 7, 311-324. | 3.2 | 74 |
| 22 | The challenge of achieving safely managed drinking water supply on San Cristobal island, Galápagos. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 228, 113547. | 2.1 | 19 |
| 23 | Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. <i>Toxics</i> , 2020, 8, 19. | 1.6 | 66 |
| 24 | 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. | 2.1 | 56 |
| 25 | Tracking Major Sources of Water Contamination Using Machine Learning. <i>Frontiers in Microbiology</i> , 2020, 11, 616692. | 1.5 | 9 |
| 26 | Microorganisms in the Placenta: Links to Early-Life Inflammation and Neurodevelopment in Children. <i>Clinical Microbiology Reviews</i> , 2019, 32, . | 5.7 | 24 |
| 27 | Occurrence of <i>Staphylococcus aureus</i> in swine and swine workplace environments on industrial and antibiotic-free hog operations in North Carolina, USA: A One Health pilot study. <i>Environmental Research</i> , 2018, 163, 88-96. | 3.7 | 28 |
| 28 | Rapid Detection of <i>Escherichia coli</i> in Water Using Sample Concentration and Optimized Enzymatic Hydrolysis of Chromogenic Substrates. <i>Current Microbiology</i> , 2018, 75, 827-834. | 1.0 | 9 |
| 29 | Face Mask Use and Persistence of Livestock-associated <i>Staphylococcus aureus</i> Nasal Carriage among Industrial Hog Operation Workers and Household Contacts, USA. <i>Environmental Health Perspectives</i> , 2018, 126, 127005. | 2.8 | 28 |
| 30 | Challenges in Estimating Characteristics of <i>Staphylococcus aureus</i> Nasal Carriage Among Humans Enrolled in Surveillance Studies. <i>Frontiers in Public Health</i> , 2018, 6, 163. | 1.3 | 5 |
| 31 | Exposure to Human-Associated Chemical Markers of Fecal Contamination and Self-Reported Illness among Swimmers at Recreational Beaches. <i>Environmental Science & Technology</i> , 2018, 52, 7513-7523. | 4.6 | 6 |
| 32 | Geostatistical Prediction of Microbial Water Quality Throughout a Stream Network Using Meteorology, Land Cover, and Spatiotemporal Autocorrelation. <i>Environmental Science & Technology</i> , 2018, 52, 7775-7784. | 4.6 | 20 |
| 33 | Water quality at points-of-use in the Galapagos Islands. <i>International Journal of Hygiene and Environmental Health</i> , 2017, 220, 485-493. | 2.1 | 30 |
| 34 | Temporal and Environmental Factors Driving <i>Vibrio vulnificus</i> and <i>V. Parahaemolyticus</i> Populations and Their Associations With Harmful Algal Blooms in South Carolina Detention Ponds and Receiving Tidal Creeks. <i>GeoHealth</i> , 2017, 1, 306-317. | 1.9 | 36 |
| 35 | Exposure to human-associated fecal indicators and self-reported illness among swimmers at recreational beaches: a cohort study. <i>Environmental Health</i> , 2017, 16, 103. | 1.7 | 24 |
| 36 | The Prevalence of Antibiotic-Resistant <i>Staphylococcus aureus</i> Nasal Carriage among Industrial Hog Operation Workers, Community Residents, and Children Living in Their Households: North Carolina, USA. <i>Environmental Health Perspectives</i> , 2017, 125, 560-569. | 2.8 | 48 |

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|----|---|-----|-----------|
| 37 | Decay of Coliphages in Sewage-Contaminated Freshwater: Uncertainty and Seasonal Effects. <i>Environmental Science & Technology</i> , 2016, 50, 11593-11601. | 4.6 | 17 |
| 38 | Occurrence of methicillin-resistant <i>Staphylococcus aureus</i> in surface waters near industrial hog operation spray fields. <i>Science of the Total Environment</i> , 2016, 565, 1028-1036. | 3.9 | 14 |
| 39 | Livestock-Associated, Antibiotic-Resistant <i>Staphylococcus aureus</i> Nasal Carriage and Recent Skin and Soft Tissue Infection among Industrial Hog Operation Workers. <i>PLoS ONE</i> , 2016, 11, e0165713. | 1.1 | 29 |
| 40 | Water quality and antibiotic resistance at beaches of the Galápagos Islands. <i>Frontiers in Environmental Science</i> , 2015, 3, . | 1.5 | 23 |
| 41 | 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-e008215. | 0.8 | 61 |
| 42 | Source tracking swine fecal waste in surface water proximal to swine concentrated animal feeding operations. <i>Science of the Total Environment</i> , 2015, 511, 676-683. | 3.9 | 65 |
| 43 | Persistence of livestock-associated antibiotic-resistant <i>Staphylococcus aureus</i> among industrial hog operation workers in North Carolina over 14 days. <i>Occupational and Environmental Medicine</i> , 2015, 72, 90-99. | 1.3 | 51 |
| 44 | Equivalence of influenza A virus RNA recovery from nasal swabs when lysing the swab and storage medium versus storage medium alone. <i>Journal of Virological Methods</i> , 2015, 217, 14-17. | 1.0 | 2 |
| 45 | Pig-2-Bac as a biomarker of occupational exposure to pigs and livestock-associated <i>Staphylococcus aureus</i> among industrial hog operation workers. <i>Environmental Research</i> , 2015, 143, 93-97. | 3.7 | 8 |
| 46 | Impacts of Coastal Development on the Ecology of Tidal Creek Ecosystems of the US Southeast Including Consequences to Humans. <i>Estuaries and Coasts</i> , 2015, 38, 49-66. | 1.0 | 43 |
| 47 | Hepatitis E virus and coliphages in waters proximal to swine concentrated animal feeding operations. <i>Science of the Total Environment</i> , 2015, 505, 487-493. | 3.9 | 20 |
| 48 | 941 Concurrent exposure to drug-resistant <i>Staphylococcus aureus</i> , influenza A virus, and hepatitis E virus among industrial hog operation workers. <i>Open Forum Infectious Diseases</i> , 2014, 1, S273-S274. | 0.4 | 0 |
| 49 | Human viruses and viral indicators in marine water at two recreational beaches in Southern California, USA. <i>Journal of Water and Health</i> , 2014, 12, 136-150. | 1.1 | 26 |
| 50 | Integrating quantitative PCR and Bayesian statistics in quantifying human adenoviruses in small volumes of source water. <i>Science of the Total Environment</i> , 2014, 470-471, 255-262. | 3.9 | 12 |
| 51 | A case control study of environmental and occupational exposures associated with methicillin resistant <i>Staphylococcus aureus</i> nasal carriage in patients admitted to a rural tertiary care hospital in a high density swine region. <i>Environmental Health</i> , 2014, 13, 54. | 1.7 | 19 |
| 52 | Survey of antibiotic-resistant bacteria isolated from bottlenose dolphins <i>Tursiops truncatus</i> in the southeastern USA. <i>Diseases of Aquatic Organisms</i> , 2014, 108, 91-102. | 0.5 | 35 |
| 53 | Recommendations following a multi-laboratory comparison of microbial source tracking methods. <i>Water Research</i> , 2013, 47, 6829-6838. | 5.3 | 53 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | Probabilistic Analysis Showing That a Combination of <i>Bacteroides</i> and <i>Methanobrevibacter</i> Source Tracking Markers Is Effective for Identifying Waters Contaminated by Human Fecal Pollution. <i>Environmental Science & Technology</i> , 2013, 47, 13621-13628. | 4.6 | 18 |
| 56 | Performance of human fecal anaerobe-associated PCR-based assays in a multi-laboratory method evaluation study. <i>Water Research</i> , 2013, 47, 6897-6908. | 5.3 | 117 |
| 57 | Similar concentration and extraction recoveries allow for use of turnip crinkle virus as a process control for enteroviruses in water. <i>Journal of Virological Methods</i> , 2013, 189, 250-257. | 1.0 | 10 |
| 58 | Determination of specific types and relative levels of QPCR inhibitors in environmental water samples using excitation-emission matrix spectroscopy and PARAFAC. <i>Water Research</i> , 2013, 47, 3467-3476. | 5.3 | 31 |
| 59 | Identification of <i>Staphylococcus aureus</i> from enriched nasal swabs within 24 h is improved with use of multiple culture media. <i>Journal of Medical Microbiology</i> , 2013, 62, 1365-1367. | 0.7 | 9 |
| 60 | Livestock-Associated Methicillin and Multidrug Resistant <i>Staphylococcus aureus</i> Is Present among Industrial, Not Antibiotic-Free Livestock Operation Workers in North Carolina. <i>PLoS ONE</i> , 2013, 8, e67641. | 1.1 | 130 |
| 61 | Medical and Household Characteristics Associated with Methicillin Resistant <i>Staphylococcus aureus</i> Nasal Carriage among Patients Admitted to a Rural Tertiary Care Hospital. <i>PLoS ONE</i> , 2013, 8, e73595. | 1.1 | 4 |
| 62 | Identification of <i>Staphylococcus aureus</i> from enriched nasal swabs within 24 h is improved with use of multiple culture media. <i>Journal of Medical Microbiology</i> , 2013, 62, 1918-1918. | 0.7 | 0 |
| 63 | Characterization of nonpoint source microbial contamination in an urbanizing watershed serving as a municipal water supply. <i>Water Research</i> , 2012, 46, 6143-6153. | 5.3 | 38 |
| 64 | HuBac and nifH source tracking markers display a relationship to land use but not rainfall. <i>Water Research</i> , 2012, 46, 6163-6174. | 5.3 | 29 |
| 65 | Comparison of methods for the detection of coliphages in recreational water at two California, United States beaches. <i>Journal of Virological Methods</i> , 2012, 181, 73-79. | 1.0 | 8 |
| 66 | A simple and novel method for recovering adenovirus 41 in small volumes of source water. <i>Journal of Applied Microbiology</i> , 2011, 110, 1332-1340. | 1.4 | 24 |
| 67 | Indicator microbes correlate with pathogenic bacteria, yeasts and helminthes in sand at a subtropical recreational beach site. <i>Journal of Applied Microbiology</i> , 2011, 110, 1571-1583. | 1.4 | 82 |
| 68 | Improved detection and quantitation of norovirus from water. <i>Journal of Virological Methods</i> , 2011, 172, 38-45. | 1.0 | 16 |
| 69 | Daily measures of microbes and human health at a non-point source marine beach. <i>Journal of Water and Health</i> , 2011, 9, 443-457. | 1.1 | 43 |
| 70 | Phage Methods. , 2011, , 137-156. | | 10 |
| 71 | A real-time qPCR assay for the detection of the nifH gene of <i>Methanobrevibacter smithii</i> , a potential indicator of sewage pollution. <i>Journal of Applied Microbiology</i> , 2010, 109, 1946-1956. | 1.4 | 62 |
| 72 | Effects of changing land use on the microbial water quality of tidal creeks. <i>Marine Pollution Bulletin</i> , 2009, 58, 97-106. | 2.3 | 54 |

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|----|---|-----|-----------|
| 73 | <i>Pepper Mild Mottle Virus</i> as an Indicator of Fecal Pollution. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7261-7267. | 1.4 | 259 |
| 74 | Assessment of environmental impacts of a colony of free-ranging rhesus monkeys (<i>Macaca mulatta</i>) on Morgan Island, South Carolina. <i>Environmental Monitoring and Assessment</i> , 2008, 137, 301-313. | 1.3 | 8 |
| 75 | The coastal environment and human health: microbial indicators, pathogens, sentinels and reservoirs. <i>Environmental Health</i> , 2008, 7, S3. | 1.7 | 168 |
| 76 | Spatial and temporal variability of ribotyping results at a small watershed in South Carolina. <i>Water Research</i> , 2008, 42, 2220-2228. | 5.3 | 11 |
| 77 | Models of total and presumed wildlife sources of fecal coliform bacteria in coastal ponds. <i>Journal of Environmental Management</i> , 2007, 82, 120-132. | 3.8 | 23 |
| 78 | Sequence Variation among Group III F-Specific RNA Coliphages from Water Samples and Swine Lagoons. <i>Applied and Environmental Microbiology</i> , 2006, 72, 1226-1230. | 1.4 | 22 |
| 79 | Coastal Terrorism. <i>Journal of Public Health Management and Practice</i> , 2005, 11, S45-S49. | 0.7 | 9 |
| 80 | Molecular Detection and Genotyping of Male-Specific Coliphages by Reverse Transcription-PCR and Reverse Line Blot Hybridization. <i>Applied and Environmental Microbiology</i> , 2004, 70, 5996-6004. | 1.4 | 68 |
| 81 | Recommendations for microbial source tracking: Lessons from a methods comparison study. <i>Journal of Water and Health</i> , 2003, 1, 225-231. | 1.1 | 57 |
| 82 | Use of viral pathogens and indicators to differentiate between human and non-human fecal contamination in a microbial source tracking comparison study. <i>Journal of Water and Health</i> , 2003, 1, 195-207. | 1.1 | 93 |
| 83 | Use of viral pathogens and indicators to differentiate between human and non-human fecal contamination in a microbial source tracking comparison study. <i>Journal of Water and Health</i> , 2003, 1, 195-207. | 1.1 | 33 |
| 84 | Fecal Pollution, Public Health, and Microbial Source Tracking. , 0, , 1-32. | | 15 |