# Jill R Stewart

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4059178/publications.pdf

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 | Pepper Mild Mottle Virus as an Indicator of Fecal Pollution. Applied and Environmental Microbiology, 2009, 75, 7261-7267. | 1.4 | 259 |
| 2 | The coastal environment and human health: microbial indicators, pathogens, sentinels and reservoirs. Environmental Health, 2008, 7, S3. | 1.7 | 168 |
| 3 | Livestock-Associated Methicillin and Multidrug Resistant Staphylococcus aureus Is Present among Industrial, Not Antibiotic-Free Livestock Operation Workers in North Carolina. PLoS ONE, 2013, 8, e67641. | 1.1 | 130 |
| 4 | 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 |
| 5 | Use of viral pathogens and indicators to differentiate between human and non-human fecal contamination in a microbial source tracking comparison study. Journal of Water and Health, 2003, 1, 195-207. | 1.1 | 93 |
| 6 | Indicator microbes correlate with pathogenic bacteria, yeasts and helminthes in sand at a subtropical recreational beach site. Journal of Applied Microbiology, 2011, 110, 1571-1583. | 1.4 | 82 |
| 7 | Performance of viruses and bacteriophages for fecal source determination in a multi-laboratory, comparative study. Water Research, 2013, 47, 6929-6943. | 5.3 | 75 |
| 8 | Microbial Indicators of Fecal Pollution: Recent Progress and Challenges in Assessing Water Quality. Current Environmental Health Reports, 2020, 7, 311-324. | 3.2 | 74 |
| 9 | Molecular Detection and Genotyping of Male-Specific Coliphages by Reverse Transcription-PCR and Reverse Line Blot Hybridization. Applied and Environmental Microbiology, 2004, 70, 5996-6004. | 1.4 | 68 |
| 10 | Gut Microbiome Toxicity: Connecting the Environment and Gut Microbiome-Associated Diseases. Toxics, 2020, 8, 19. | 1.6 | 66 |
| 11 | Source tracking swine fecal waste in surface water proximal to swine concentrated animal feeding operations. Science of the Total Environment, 2015, 511, 676-683. | 3.9 | 65 |
| 12 | A real-time qPCR assay for the detection of the nifH gene of Methanobrevibacter smithii, a potential indicator of sewage pollution. Journal of Applied Microbiology, 2010, 109, 1946-1956. | 1.4 | 62 |
| 13 | 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. BMJ Open, 2015, 5, e008215-e008215. | 0.8 | 61 |
| 14 | Recommendations for microbial source tracking: Lessons from a methods comparison study. Journal of Water and Health, 2003, 1, 225-231. | 1.1 | 57 |
| 15 | Human fecal contamination of water, soil, and surfaces in households sharing poor-quality sanitation facilities in Maputo, Mozambique. International Journal of Hygiene and Environmental Health, 2020, 226, 113496. | 2.1 | 56 |
| 16 | Effects of changing land use on the microbial water quality of tidal creeks. Marine Pollution Bulletin, 2009, 58, 97-106. | 2.3 | 54 |
| 17 | Recommendations following a multi-laboratory comparison of microbial source tracking methods. Water Research, 2013, 47, 6829-6838. | 5.3 | 53 |
| 18 | Persistence of livestock-associated antibiotic-resistantStaphylococcus aureusamong industrial hog operation workers in North Carolina over 14â€…days. Occupational and Environmental Medicine, 2015, 72, 90-99. | 1.3 | 51 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Prevalence of Antibiotic-Resistant Staphylococcus aureus Nasal Carriage among Industrial Hog Operation Workers, Community Residents, and Children Living in Their Households: North Carolina, USA. Environmental Health Perspectives, 2017, 125, 560-569. | 2.8 | 48 |
| 20 | Effects of an urban sanitation intervention on childhood enteric infection and diarrhea in Maputo, Mozambique: A controlled before-and-after trial. ELife, 2021, 10, . | 2.8 | 44 |
| 21 | Daily measures of microbes and human health at a non-point source marine beach. Journal of Water and Health, 2011, 9, 443-457. | 1.1 | 43 |
| 22 | Impacts of Coastal Development on the Ecology of Tidal Creek Ecosystems of the US Southeast Including Consequences to Humans. Estuaries and Coasts, 2015, 38, 49-66. | 1.0 | 43 |
| 23 | Antibiotic Resistance in Recreational Waters: State of the Science. International Journal of Environmental Research and Public Health, 2020, 17, 8034. | 1.2 | 40 |
| 24 | Characterization of nonpoint source microbial contamination in an urbanizing watershed serving as a municipal water supply. Water Research, 2012, 46, 6143-6153. | 5.3 | 38 |
| 25 | Temporal and Environmental Factors Driving Vibrio Vulnificus and V. Parahaemolyticus Populations and Their Associations With Harmful Algal Blooms in South Carolina Detention Ponds and Receiving Tidal Creeks. GeoHealth, 2017, 1, 306-317. | 1.9 | 36 |
| 26 | Survey of antibiotic-resistant bacteria isolated from bottlenose dolphins Tursiops truncatus in the southeastern USA. Diseases of Aquatic Organisms, 2014, 108, 91-102. | 0.5 | 35 |
| 27 | Measuring Environmental Exposure to Enteric Pathogens in Low-Income Settings: Review and Recommendations of an Interdisciplinary Working Group. Environmental Science & Technology, 2020, 54, 11673-11691. | 4.6 | 35 |
| 28 | Use of viral pathogens and indicators to differentiate between human and non-human fecal contamination in a microbial source tracking comparison study. Journal of Water and Health, 2003, 1, 195-207. | 1.1 | 33 |
| 29 | Determination of specific types and relative levels of QPCR inhibitors in environmental water samples using excitationâ€“emission matrix spectroscopy and PARAFAC. Water Research, 2013, 47, 3467-3476. | 5.3 | 31 |
| 30 | Water quality at points-of-use in the Galapagos Islands. International Journal of Hygiene and Environmental Health, 2017, 220, 485-493. | 2.1 | 30 |
| 31 | HuBac and nifH source tracking markers display a relationship to land use but not rainfall. Water Research, 2012, 46, 6163-6174. | 5.3 | 29 |
| 32 | Livestock-Associated, Antibiotic-Resistant Staphylococcus aureus Nasal Carriage and Recent Skin and Soft Tissue Infection among Industrial Hog Operation Workers. PLoS ONE, 2016, 11, e0165713. | 1.1 | 29 |
| 33 | Occurrence of Staphylococcus aureus in swine and swine workplace environments on industrial and antibiotic-free hog operations in North Carolina, USA: A One Health pilot study. Environmental Research, 2018, 163, 88-96. | 3.7 | 28 |
| 34 | Face Mask Use and Persistence of Livestock-associated Staphylococcus aureus Nasal Carriage among Industrial Hog Operation Workers and Household Contacts, USA. Environmental Health Perspectives, 2018, 126, 127005. | 2.8 | 28 |
| 35 | Human viruses and viral indicators in marine water at two recreational beaches in Southern California, USA. Journal of Water and Health, 2014, 12, 136-150. | 1.1 | 26 |
| 36 | A simple and novel method for recovering adenovirus 41 in small volumes of source water. Journal of Applied Microbiology, 2011, 110, 1332-1340. | 1.4 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Exposure to human-associated fecal indicators and self-reported illness among swimmers at recreational beaches: a cohort study. Environmental Health, 2017, 16, 103. | 1.7 | 24 |
| 38 | Microorganisms in the Placenta: Links to Early-Life Inflammation and Neurodevelopment in Children. Clinical Microbiology Reviews, 2019, 32, . | 5.7 | 24 |
| 39 | Models of total and presumed wildlife sources of fecal coliform bacteria in coastal ponds. Journal of Environmental Management, 2007, 82, 120-132. | 3.8 | 23 |
| 40 | Water quality and antibiotic resistance at beaches of the GalÃ¡pagos Islands. Frontiers in Environmental Science, 2015, 3, . | 1.5 | 23 |
| 41 | Sequence Variation among Group III F-Specific RNA Coliphages from Water Samples and Swine Lagoons. Applied and Environmental Microbiology, 2006, 72, 1226-1230. | 1.4 | 22 |
| 42 | Hepatitis E virus and coliphages in waters proximal to swine concentrated animal feeding operations. Science of the Total Environment, 2015, 505, 487-493. | 3.9 | 20 |
| 43 | Geostatistical Prediction of Microbial Water Quality Throughout a Stream Network Using Meteorology, Land Cover, and Spatiotemporal Autocorrelation. Environmental Science & Technology, 2018, 52, 7775-7784. | 4.6 | 20 |
| 44 | Drinking water improvements and rates of urinary and gastrointestinal infections in GalÃ¡pagos, Ecuador: Assessing household and community factors. American Journal of Human Biology, 2020, 32, e23358. | 0.8 | 20 |
| 45 | A case control study of environmental and occupational exposures associated with methicillin resistant Staphylococcus aureus nasal carriage in patients admitted to a rural tertiary care hospital in a high density swine region. Environmental Health, 2014, 13, 54. | 1.7 | 19 |
| 46 | The challenge of achieving safely managed drinking water supply on San Cristobal island, GalÃ¡pagos. International Journal of Hygiene and Environmental Health, 2020, 228, 113547. | 2.1 | 19 |
| 47 | Probabilistic Analysis Showing That a Combination of Bacteroides and Methanobrevibacter Source Tracking Markers Is Effective for Identifying Waters Contaminated by Human Fecal Pollution. Environmental Science & Technology, 2013, 47, 13621-13628. | 4.6 | 18 |
| 48 | Decay of Coliphages in Sewage-Contaminated Freshwater: Uncertainty and Seasonal Effects. Environmental Science & Technology, 2016, 50, 11593-11601. | 4.6 | 17 |
| 49 | Improved detection and quantitation of norovirus from water. Journal of Virological Methods, 2011, 172, 38-45. | 1.0 | 16 |
| 50 | Impact of an Urban Sanitation Intervention on Enteric Pathogen Detection in Soils. Environmental Science & Technology, 2021, 55, 9989-10000. | 4.6 | 16 |
| 51 | Fecal Pollution, Public Health, and Microbial Source Tracking. , 0, , 1-32. | | 15 |
| 52 | Occurrence of methicillin-resistant Staphylococcus aureus in surface waters near industrial hog operation spray fields. Science of the Total Environment, 2016, 565, 1028-1036. | 3.9 | 14 |
| 53 | Integrating quantitative PCR and Bayesian statistics in quantifying human adenoviruses in small volumes of source water. Science of the Total Environment, 2014, 470-471, 255-262. | 3.9 | 12 |
| 54 | Spatial and temporal variability of ribotyping results at a small watershed in South Carolina. Water Research, 2008, 42, 2220-2228. | 5.3 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Transmission of Antimicrobial-Resistant Staphylococcus aureus Clonal Complex 9 between Pigs and Humans, United States. Emerging Infectious Diseases, 2021, 27, 740-748. | 2.0 | 11 |
| 56 | Similar concentration and extraction recoveries allow for use of turnip crinkle virus as a process control for enteroviruses in water. Journal of Virological Methods, 2013, 189, 250-257. | 1.0 | 10 |
| 57 | Impacts of an Urban Sanitation Intervention on Fecal Indicators and the Prevalence of Human Fecal Contamination in Mozambique. Environmental Science & Technology, 2021, 55, 11667-11679. | 4.6 | 10 |
| 58 | Phage Methods. , 2011, , 137-156. | | 10 |
| 59 | Characterizing Differences in Sources of and Contributions to Fecal Contamination of Sediment and Surface Water with the Microbial FIT Framework. Environmental Science & Technology, 2022, 56, 4231-4240. | 4.6 | 10 |
| 60 | Coastal Terrorism. Journal of Public Health Management and Practice, 2005, 11, S45-S49. | 0.7 | 9 |
| 61 | Identification of Staphylococcus aureus from enriched nasal swabs within 24 h is improved with use of multiple culture media. Journal of Medical Microbiology, 2013, 62, 1365-1367. | 0.7 | 9 |
| 62 | Rapid Detection of Escherichia coli in Water Using Sample Concentration and Optimized Enzymatic Hydrolysis of Chromogenic Substrates. Current Microbiology, 2018, 75, 827-834. | 1.0 | 9 |
| 63 | Neurocognitive and social-communicative function of children born very preterm at 10 years of age: Associations with microorganisms recovered from the placenta parenchyma. Journal of Perinatology, 2020, 40, 306-315. | 0.9 | 9 |
| 64 | Risk of Antibiotiâ€Resistant Staphylococcus aureus Dispersion from Hog Farms: A Critical Review. Risk Analysis, 2020, 40, 1645-1665. | 1.5 | 9 |
| 65 | Microbial Contamination in Environmental Waters of Rural and Agriculturally-Dominated Landscapes Following Hurricane Florence. ACS ES&T Water, 2021, 1, 2012-2019. | 2.3 | 9 |
| 66 | Tracking Major Sources of Water Contamination Using Machine Learning. Frontiers in Microbiology, 2020, 11, 616692. | 1.5 | 9 |
| 67 | Assessment of environmental impacts of a colony of free-ranging rhesus monkeys (Macca mulatta) on Morgan Island, South Carolina. Environmental Monitoring and Assessment, 2008, 137, 301-313. | 1.3 | 8 |
| 68 | Comparison of methods for the detection of coliphages in recreational water at two California, United States beaches. Journal of Virological Methods, 2012, 181, 73-79. | 1.0 | 8 |
| 69 | Pig-2-Bac as a biomarker of occupational exposure to pigs and livestock-associated Staphylococcus aureus among industrial hog operation workers. Environmental Research, 2015, 143, 93-97. | 3.7 | 8 |
| 70 | 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. International Journal of Hygiene and Environmental Health, 2021, 238, 113852. | 2.1 | 8 |
| 71 | Human Cytomegalovirus Infections Are Associated With Elevated Biomarkers of Vascular Injury. Frontiers in Cellular and Infection Microbiology, 2020, 10, 334. | 1.8 | 7 |
| 72 | Chitosan Coagulation Pretreatment to Enhance Ceramic Water Filtration for Household Water Treatment. International Journal of Molecular Sciences, 2021, 22, 9736. | 1.8 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | A watershed study assessing effects of commercial hog operations on microbial water quality in North Carolina, USA. Science of the Total Environment, 2022, 838, 156085. | 3.9 | 7 |
| 74 | Exposure to Human-Associated Chemical Markers of Fecal Contamination and Self-Reported Illness among Swimmers at Recreational Beaches. Environmental Science & Technology, 2018, 52, 7513-7523. | 4.6 | 6 |
| 75 | Microbial Find, Inform, and Test Model for Identifying Spatially Distributed Contamination Sources: Framework Foundation and Demonstration of Ruminant Bacteroides Abundance in River Sediments. Environmental Science & Technology, 2021, 55, 10451-10461. | 4.6 | 6 |
| 76 | Occurrence of male-specific and somatic coliphages and relationship with rainfall in privately-owned wells from periâ€urban and rural households. Water Research X, 2021, 12, 100102. | 2.8 | 6 |
| 77 | Challenges in Estimating Characteristics of Staphylococcus aureus Nasal Carriage Among Humans Enrolled in Surveillance Studies. Frontiers in Public Health, 2018, 6, 163. | 1.3 | 5 |
| 78 | Medical and Household Characteristics Associated with Methicillin Resistant Staphylococcus aureus Nasal Carriage among Patients Admitted to a Rural Tertiary Care Hospital. PLoS ONE, 2013, 8, e73595. | 1.1 | 4 |
| 79 | Identifying bioaugmentation candidates for bioremediation of polycyclic aromatic hydrocarbons in contaminated estuarine sediment of the Elizabeth River, VA, USA. Applied Microbiology and Biotechnology, 2022, , 1. | 1.7 | 4 |
| 80 | Getting ahead of antibiotic-resistant Staphylococcus aureus in U.S. hogs. Environmental Research, 2021, 196, 110954. | 3.7 | 3 |
| 81 | Equivalence of influenza A virus RNA recovery from nasal swabs when lysing the swab and storage medium versus storage medium alone. Journal of Virological Methods, 2015, 217, 14-17. | 1.0 | 2 |
| 82 | 941Concurrent exposure to drug-resistant Staphylococcus aureus, influenza A virus, and hepatitis E virus among industrial hog operation workers. Open Forum Infectious Diseases, 2014, 1, S273-S274. | 0.4 | 0 |
| 83 | "Agua para GalÃ¡pagos": un programa de monitoreo de la calidad del agua en las islas GalÃ¡pagos. Esferas, 2021, 2, 26. | 0.0 | 0 |
| 84 | Identification of Staphylococcus aureus from enriched nasal swabs within 24 h is improved with use of multiple culture media. Journal of Medical Microbiology, 2013, 62, 1918-1918. | 0.7 | 0 |