# Jiyoung Lee

## List of Publications by Year in Descending Order



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| 80 papers | 1,325 citations | 19 h-index | 33 g-index |
| 82 ext. papers | 1,741 ext. citations | 5 avg, IF | 5.1 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 80 | Potential environmental and health risk when returning to normal amidst COVID-19 vaccination.. *Current Opinion in Environmental Science and Health*, **2022**, 26, 100328 | 8.1 | |
| 79 | Fecal indicator bacteria along multiple environmental exposure pathways (water, food, and soil) and intestinal parasites among children in the rural northwest Ethiopia.. *BMC Gastroenterology*, **2022**, 22, 84 | 3 | 2 |
| 78 | Fecal biomarkers of environmental enteric dysfunction and associated factors among children aged 24-59 months in east Dembiya district, northwest Ethiopia.. *BMC Gastroenterology*, **2022**, 22, 172 | 3 | 0 |
| 77 | Development and validation of questionnaire to assess exposure of children to enteric infections in the rural northwest Ethiopia.. *Scientific Reports*, **2022**, 12, 6740 | 4.9 | |
| 76 | Effects of local handwashing agents on microbial contamination of the hands in a rural setting in Northwest Ethiopia: a cluster randomised controlled trial.. *BMJ Open*, **2022**, 12, e056411 | 3 | 1 |
| 75 | Wastewater surveillance of SARS-CoV-2 in dormitories as a part of comprehensive university campus COVID-19 monitoring. *Environmental Research*, **2022**, 113580 | 7.9 | 0 |
| 74 | Enteric Pathogens and Carbapenem Resistance Genes are Widespread in the Fecal Contaminated Soils of Cattle Farms in the United States. *Environmental Advances*, **2021**, 100137 | 3.5 | |
| 73 | Detection of SARS-CoV-2 in urban stormwater: An environmental reservoir and potential interface between human and animal sources. *Science of the Total Environment*, **2021**, 151046 | 10.2 | 3 |
| 72 | Longitudinal health outcomes for enteric pathogens in preweaned calves on Ohio dairy farms. *Preventive Veterinary Medicine*, **2021**, 190, 105323 | 3.1 | 3 |
| 71 | Acute cyanotoxin poisoning reveals a marginal effect on mouse gut microbiome composition but indicates metabolic shifts related to liver and gut inflammation. *Ecotoxicology and Environmental Safety*, **2021**, 215, 112126 | 7 | 2 |
| 70 | Colonization of toxic cyanobacteria on the surface and inside of leafy green: A hidden source of cyanotoxin production and exposure. *Food Microbiology*, **2021**, 94, 103655 | 6 | 5 |
| 69 | Bacterial Movement in Subsurface Soil during Winter Irrigation of Reclaimed Wastewater. *Sustainability*, **2021**, 13, 9594 | 3.6 | 1 |
| 68 | Effects of local handwashing agents on microbial contamination of hands in the rural settings of northwest Ethiopia: protocol for a two-arm, clustered-randomised controlled trial. *BMJ Open*, **2021**, 11, e046828 | 3 | 1 |
| 67 | Wastewater SARS-CoV-2 monitoring as a community-level COVID-19 trend tracker and variants in Ohio, United States. *Science of the Total Environment*, **2021**, 801, 149757 | 10.2 | 19 |
| 66 | Microcystis toxin-mediated tumor promotion and toxicity lead to shifts in mouse gut microbiome. *Ecotoxicology and Environmental Safety*, **2020**, 206, 111204 | 7 | 5 |
| 65 | Pulsed electric field application reduces carbapenem- and colistin-resistant microbiota and bla spread in urban wastewater. *Journal of Environmental Management*, **2020**, 265, 110529 | 7.9 | 5 |
| 64 | Residential urban stormwater runoff: A comprehensive profile of microbiome and antibiotic resistance. *Science of the Total Environment*, **2020**, 723, 138033 | 10.2 | 21 |

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| 63 | Relationship between cyanobacterial bloom impacted drinking water sources and hepatocellular carcinoma incidence rates. *Harmful Algae*, **2020**, 95, 101801 | 5.3 | 8 |
| 62 | Cyanobacterial blooms modify food web structure and interactions in western Lake Erie. *Harmful Algae*, **2020**, 92, 101586 | 5.3 | 7 |
| 61 | Characterization of the gut microbiota of Nicaraguan children in a water insecure context. *American Journal of Human Biology*, **2020**, 32, e23371 | 2.7 | 6 |
| 60 | Drinking water treatment residuals from cyanobacteria bloom-affected areas: Investigation of potential impact on agricultural land application. *Science of the Total Environment*, **2020**, 706, 135756 | 10.2 | 15 |
| 59 | The threat of carbapenem-resistant bacteria in the environment: Evidence of widespread contamination of reservoirs at a global scale. *Environmental Pollution*, **2019**, 255, 113143 | 9.3 | 47 |
| 58 | Characterization of Cyanophages in Lake Erie: Interaction Mechanisms and Structural Damage of Toxic Cyanobacteria. *Toxins*, **2019**, 11, | 4.9 | 8 |
| 57 | Indoor Microbiome and Antibiotic Resistance on Floor Surfaces: An Exploratory Study in Three Different Building Types. *International Journal of Environmental Research and Public Health*, **2019**, 16, | 4.6 | 9 |
| 56 | Harmful algal blooms and liver diseases: focusing on the areas near the four major rivers in South Korea. *Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews*, **2019**, 37, 356-370 | 4.5 | 9 |
| 55 | Earth observation for public health: Biodiversity change and emerging disease surveillance. *Acta Astronautica*, **2019**, 160, 433-441 | 2.9 | 2 |
| 54 | A Novel Proof-of-Concept Sandwich Immunoassay for Screening Microcystin in Cyanobacteria Based on Michael Addition Reaction. *Analytical Sciences*, **2019**, 35, 107-111 | 1.7 | 1 |
| 53 | The microbiome and antibiotic resistance in integrated fishfarm water: Implications of environmental public health. *Science of the Total Environment*, **2019**, 649, 1491-1501 | 10.2 | 56 |
| 52 | Correlation Between Levels of Humic Acid and Fecal Indicator Bacteria: A Potential Predictor of Biosolids Stabilization. *Environmental Engineering Science*, **2018**, 35, 663-672 | 2 | 0 |
| 51 | Assessment of temperature and ultraviolet radiation effects on sunburn incidence at an inland U.S. Beach: A cohort study. *Environmental Research*, **2018**, 161, 479-484 | 7.9 | 5 |
| 50 | Removal of the algal toxin microcystin-LR in permeable coastal sediments: Physical and numerical models. *Limnology and Oceanography*, **2018**, 63, 1593-1604 | 4.8 | 2 |
| 49 | Simple and practical on-site treatment of high microcystin levels in water using polypropylene plastic. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2018**, 53, 1000-1005 | 2.3 | 1 |
| 48 | Mycosporine-like amino acids (MAAs)-producing Microcystis in Lake Erie: Development of a qPCR assay and insight into its ecology. *Harmful Algae*, **2018**, 77, 1-10 | 5.3 | 6 |
| 47 | Modeling household transmission dynamics: Application to waterborne diarrheal disease in Central Africa. *PLoS ONE*, **2018**, 13, e0206418 | 3.7 | 2 |
| 46 | Impact of Microcystin-LR on Liver Function Varies by Dose and Sex in Mice. *Toxins*, **2018**, 10, | 4.9 | 11 |

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| 45 | Optimization of extraction methods for quantification of microcystin-LR and microcystin-RR in fish, vegetable, and soil matrices using UPLC-MS/MS. *Harmful Algae*, **2018**, 76, 47-57 | 5.3 | 17 |
| 44 | Tile Drainage and Anthropogenic Land Use Contribute to Harmful Algal Blooms and Microbiota Shifts in Inland Water Bodies. *Environmental Science & Technology*, **2018**, 52, 8215-8223 | 10.3 | 13 |
| 43 | Cyanobacterial Toxins in Freshwater and Food: Important Sources of Exposure to Humans. *Annual Review of Food Science and Technology*, **2017**, 8, 281-304 | 14.7 | 47 |
| 42 | Comparison of survivability of Staphylococcus aureus and spores of Aspergillus niger on commonly used floor materials. *American Journal of Infection Control*, **2017**, 45, 717-722 | 3.8 | 9 |
| 41 | Towards sustainable protection of public health: The role of an urban wetland as a frontline safeguard of pathogen and antibiotic resistance spread. *Ecological Engineering*, **2017**, 108, 547-555 | 3.9 | 20 |
| 40 | Fresh produce and their soils accumulate cyanotoxins from irrigation water: Implications for public health and food security. *Food Research International*, **2017**, 102, 234-245 | 7 | 40 |
| 39 | Spatiotemporal variability and environmental factors of harmful algal blooms (HABs) over western Lake Erie. *PLoS ONE*, **2017**, 12, e0179622 | 3.7 | 5 |
| 38 | Associations between county-level land cover classes and cyanobacteria blooms in the United States. *Ecological Engineering*, **2017**, 108, 556-563 | 3.9 | 15 |
| 37 | Microcystin in Lake Erie fish: Risk to human health and relationship to cyanobacterial blooms. *Journal of Great Lakes Research*, **2017**, 43, 1084-1090 | 3 | 13 |
| 36 | Ten-year survey of cyanobacterial blooms in Ohio□s waterbodies using satellite remote sensing. *Harmful Algae*, **2017**, 66, 13-19 | 5.3 | 26 |
| 35 | Water Access, Sanitation, and Hygiene Conditions and Health Outcomes among Two Settlement Types in Rural Far North Cameroon. *International Journal of Environmental Research and Public Health*, **2017**, 14, | 4.6 | 11 |
| 34 | Sustainable Methods for Decontamination of Microcystin in Water Using Cold Plasma and UV with Reusable TiO□Nanoparticle Coating. *International Journal of Environmental Research and Public Health*, **2017**, 14, | 4.6 | 10 |
| 33 | Satellite Remote Sensing of Drinking Water Intakes in Lake Erie for Cyanobacteria Population Using Two MODIS-Based Indicators as a Potential Tool for Toxin Tracking. *Frontiers in Marine Science*, **2017**, 4, | 4.5 | 13 |
| 32 | Neighborhood diversity of potentially pathogenic bacteria in drinking water from the city of Maroua, Cameroon. *Journal of Water and Health*, **2016**, 14, 559-70 | 2.2 | 14 |
| 31 | High volume hydraulic fracturing operations: potential impacts on surface water and human health. *International Journal of Environmental Health Research*, **2016**, 26, 361-80 | 3.6 | 11 |
| 30 | The Microbiota of Recreational Freshwaters and the Implications for Environmental and Public Health. *Frontiers in Microbiology*, **2016**, 7, 1826 | 5.7 | 33 |
| 29 | Prevalence and diversity of Shiga toxin genes in Canada geese and water in western Lake Erie Region. *Journal of Great Lakes Research*, **2016**, 42, 476-481 | 3 | 6 |
| 28 | Human health-related ecosystem services of avian-dense coastal wetlands adjacent to a Western Lake Erie swimming beach. *EcoHealth*, **2015**, 12, 77-87 | 3.1 | 7 |

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| 27 | Enhancing plant productivity while suppressing biofilm growth in a windowfarm system using beneficial bacteria and ultraviolet irradiation. *Canadian Journal of Microbiology*, **2015**, 61, 457-66 | 3.2 | 7 |
| 26 | Changes in Microbial Water Quality Associated with an Extreme Recreational Water Event in Ohio, United States. *Water Quality, Exposure, and Health*, **2015**, 7, 491-501 | | 3 |
| 25 | Beneficial bacteria and fungi in hydroponic systems: Types and characteristics of hydroponic food production methods. *Scientia Horticulturae*, **2015**, 195, 206-215 | 4.1 | 72 |
| 24 | Associations among Human-Associated Fecal Contamination, Microcystis aeruginosa, and Microcystin at Lake Erie Beaches. *International Journal of Environmental Research and Public Health*, **2015**, 12, 11466-85 | 4.6 | 7 |
| 23 | Cyanobacteria blooms and non-alcoholic liver disease: evidence from a county level ecological study in the United States. *Environmental Health*, **2015**, 14, 41 | 6 | 58 |
| 22 | Impact of phytopathogen infection and extreme weather stress on internalization of Salmonella Typhimurium in lettuce. *International Journal of Food Microbiology*, **2014**, 168-169, 24-31 | 5.8 | 15 |
| 21 | Occurrence of human enteric viruses at freshwater beaches during swimming season and its link to water inflow. *Science of the Total Environment*, **2014**, 472, 757-66 | 10.2 | 27 |
| 20 | Muddying the waters: a new area of concern for drinking water contamination in Cameroon. *International Journal of Environmental Research and Public Health*, **2014**, 11, 12454-72 | 4.6 | 14 |
| 19 | The Influence of Loading Rate and Variable Temperatures on Microbial Communities in Anaerobic Digesters. *Energies*, **2014**, 7, 785-803 | 3.1 | 13 |
| 18 | Salmonella internalization in mung bean sprouts and pre- and postharvest intervention methods in a hydroponic system. *Journal of Food Protection*, **2014**, 77, 752-7 | 2.5 | 6 |
| 17 | Methicillin-resistant Staphylococcus aureus in public transportation vehicles (buses): another piece to the epidemiologic puzzle. *American Journal of Infection Control*, **2014**, 42, 1285-90 | 3.8 | 18 |
| 16 | Efficiency of peracetic acid in inactivating bacteria, viruses, and spores in water determined with ATP bioluminescence, quantitative PCR, and culture-based methods. *Journal of Water and Health*, **2014**, 12, 13-23 | 2.2 | 23 |
| 15 | Integrating bacterial and viral water quality assessment to predict swimming-associated illness at a freshwater beach: a cohort study. *PLoS ONE*, **2014**, 9, e112029 | 3.7 | 11 |
| 14 | Performance of human fecal anaerobe-associated PCR-based assays in a multi-laboratory method evaluation study. *Water Research*, **2013**, 47, 6897-908 | 12.5 | 106 |
| 13 | Development and application of a quantitative PCR assay targeting Catellicoccus marimammalium for assessing gull-associated fecal contamination at Lake Erie beaches. *Science of the Total Environment*, **2013**, 454-455, 1-8 | 10.2 | 37 |
| 12 | Toxin-producing cyanobacteria in freshwater: a review of the problems, impact on drinking water safety, and efforts for protecting public health. *Journal of Microbiology*, **2013**, 51, 1-10 | 3 | 132 |
| 11 | Application of host-specific source-tracking tools for rapid identification of fecal contamination in fresh produce by humans and livestock. *Journal of the Science of Food and Agriculture*, **2013**, 93, 1089-96 | 4.3 | 2 |
| 10 | Microbial Community Response to Seasonal Temperature Variation in a Small-Scale Anaerobic Digester. *Energies*, **2013**, 6, 5182-5199 | 3.1 | 12 |

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| 9 | In vivo phycocyanin flourometry as a potential rapid screening tool for predicting elevated microcystin concentrations at eutrophic lakes. *Environmental Science & Technology*, **2012**, 46, 4523-31 | 10.3 | 32 |
| 8 | Arcobacter in Lake Erie beach waters: an emerging gastrointestinal pathogen linked with human-associated fecal contamination. *Applied and Environmental Microbiology*, **2012**, 78, 5511-9 | 4.8 | 52 |
| 7 | The impact of extreme weather events on Salmonella internalization in lettuce and green onion. *Food Research International*, **2012**, 45, 1118-1122 | 7 | 37 |
| 6 | Rapid detection of bacteria in drinking water and water contamination case studies. *Frontiers of Earth Science*, **2011**, 5, 378-389 | 1.7 | 2 |
| 5 | A novel genetic marker for the rapid detection of Bacteroides fragilis in recreational water as a human-specific faecal indicator. *Journal of Water and Health*, **2011**, 9, 253-64 | 2.2 | 8 |
| 4 | Evaluation of new gyrB-based real-time PCR system for the detection of B. fragilis as an indicator of human-specific fecal contamination. *Journal of Microbiological Methods*, **2010**, 82, 311-8 | 2.8 | 47 |
| 3 | Real-time determination of the efficacy of residual disinfection to limit wastewater contamination in a water distribution system using filtration-based luminescence. *Water Environment Research*, **2010**, 82, 475-8 | 2.8 | 3 |
| 2 | Rapid detection of enterococci in marine beach water by immunomagnetic capture and bioluminescence and its comparison with conventional methods. *Journal of Environmental Health*, **2010**, 72, 8-13; quiz 39 | 0.4 | |
| 1 | Wastewater-based epidemiology for tracking COVID-19 trend and variants of concern in Ohio, United States | | 6 |