

Pradip Gyawali

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

1,952
citations

361045

20
h-index

414034

32
g-index

35
all docs

35
docs citations

35
times ranked

2244
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of virus concentration methods for the RT-qPCR-based recovery of murine hepatitis virus, a surrogate for SARS-CoV-2 from untreated wastewater. <i>Science of the Total Environment</i> , 2020, 739, 139960.	3.9	405
2	Decay of SARS-CoV-2 and surrogate murine hepatitis virus RNA in untreated wastewater to inform application in wastewater-based epidemiology. <i>Environmental Research</i> , 2020, 191, 110092.	3.7	285
3	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
4	Detection of SARS-CoV-2 RNA in commercial passenger aircraft and cruise ship wastewater: a surveillance tool for assessing the presence of COVID-19 infected travellers. <i>Journal of Travel Medicine</i> , 2020, 27, .	1.4	146
5	Surveillance of SARS-CoV-2 RNA in wastewater: Methods optimization and quality control are crucial for generating reliable public health information. <i>Current Opinion in Environmental Science and Health</i> , 2020, 17, 82-93.	2.1	126
6	Opportunistic pathogens in roof-captured rainwater samples, determined using quantitative PCR. <i>Water Research</i> , 2014, 53, 361-369.	5.3	77
7	Intraday variability of indicator and pathogenic viruses in 1-h and 24-h composite wastewater samples: Implications for wastewater-based epidemiology. <i>Environmental Research</i> , 2021, 193, 110531.	3.7	72
8	Toolbox Approaches Using Molecular Markers and 16S rRNA Gene Amplicon Data Sets for Identification of Fecal Pollution in Surface Water. <i>Applied and Environmental Microbiology</i> , 2015, 81, 7067-7077.	1.4	68
9	Comparative decay of sewage-associated marker genes in beach water and sediment in a subtropical region. <i>Water Research</i> , 2019, 149, 511-521.	5.3	56
10	Relative inactivation of faecal indicator bacteria and sewage markers in freshwater and seawater microcosms. <i>Letters in Applied Microbiology</i> , 2014, 59, 348-354.	1.0	54
11	Host Specificity and Sensitivity of Established and Novel Sewage-Associated Marker Genes in Human and Nonhuman Fecal Samples. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	1.4	53
12	Comparison of RT-qPCR and RT-dPCR Platforms for the Trace Detection of SARS-CoV-2 RNA in Wastewater. <i>ACS ES&T Water</i> , 2022, 2, 1871-1880.	2.3	51
13	Quantitative microbial risk assessment (QMRA) of occupational exposure to SARS-CoV-2 in wastewater treatment plants. <i>Science of the Total Environment</i> , 2021, 763, 142989.	3.9	48
14	Quantitative PCR measurements of <i>Escherichia coli</i> including Shiga Toxin-Producing <i>E. coli</i> (STEC) in Animal Feces and Environmental Waters. <i>Environmental Science & Technology</i> , 2015, 49, 3084-3090.	4.6	42
15	Evaluation of pepper mild mottle virus as an indicator of human faecal pollution in shellfish and growing waters. <i>Water Research</i> , 2019, 154, 370-376.	5.3	37
16	Norovirus in shellfish: An overview of post-harvest treatments and their challenges. <i>Food Control</i> , 2019, 99, 171-179.	2.8	26
17	Assessment of Genetic Markers for Tracking the Sources of Human Wastewater Associated <i>Escherichia coli</i> in Environmental Waters. <i>Environmental Science & Technology</i> , 2015, 49, 9341-9346.	4.6	25
18	Rapid concentration and sensitive detection of hookworm ova from wastewater matrices using a real-time PCR method. <i>Experimental Parasitology</i> , 2015, 159, 5-12.	0.5	24

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19	A multi-platform metabolomics approach to identify possible biomarkers for human faecal contamination in Greenshellâ„¢ mussels (<i>Perna canaliculus</i>). <i>Science of the Total Environment</i> , 2021, 771, 145363.	3.9	24
20	Occurrence of SARS-CoV-2 RNA in Six Municipal Wastewater Treatment Plants at the Early Stage of COVID-19 Pandemic in The United States. <i>Pathogens</i> , 2021, 10, 798.	1.2	24
21	Comparison of concentration methods for rapid detection of hookworm ova in wastewater matrices using quantitative PCR. <i>Experimental Parasitology</i> , 2015, 159, 160-167.	0.5	22
22	Current and Emerging Technologies for the Detection of Norovirus from Shellfish. <i>Foods</i> , 2019, 8, 187.	1.9	19
23	Rainwater harvesting in American Samoa: current practices and indicative health risks. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12384-12392.	2.7	18
24	Faecal contamination in bivalve molluscan shellfish: Can the application of the microbial source tracking method minimise public health risks?. <i>Current Opinion in Environmental Science and Health</i> , 2020, 16, 14-21.	2.1	18
25	Detection of Infectious Noroviruses from Wastewater and Seawater Using PEMAX™ Treatment Combined with RT-qPCR. <i>Water (Switzerland)</i> , 2018, 10, 841.	1.2	15
26	Antibiotic Resistance and Sewage-Associated Marker Genes in Untreated Sewage and a River Characterized During Baseflow and Stormflow. <i>Frontiers in Microbiology</i> , 2021, 12, 632850.	1.5	12
27	Preliminary evaluation of BioFire FilmArray® Gastrointestinal Panel for the detection of noroviruses and other enteric viruses from wastewater and shellfish. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27657-27661.	2.7	11
28	Application of crAssphage, F-RNA phage and pepper mild mottle virus as indicators of human faecal and norovirus contamination in shellfish. <i>Science of the Total Environment</i> , 2021, 783, 146848.	3.9	10
29	Quantification of hookworm ova from wastewater matrices using quantitative PCR. <i>Journal of Environmental Sciences</i> , 2017, 57, 231-237.	3.2	6
30	Identification of reliable marker genes for the detection of canine fecal contamination in sub-tropical Australia. <i>Science of the Total Environment</i> , 2020, 718, 137246.	3.9	6
31	Occurrence of <i>Naegleria fowleri</i> and faecal indicators in sediments from Lake Pontchartrain, Louisiana. <i>Journal of Water and Health</i> , 2022, 20, 657-669.	1.1	3
32	Impact on Vegetation due to Deep Drain in Water Valley of South Australia. <i>Our Nature</i> , 2013, 11, 54-60.	0.1	0
33	Intestinal parasites in the slum-dwelling population in Naya Bazar, Kaski, Nepal. <i>Janaki Medical College Journal of Medical Science</i> , 2018, 6, 29-35.	0.1	0