

Temporal Detection and Phylogenetic Assessment of SA

Cell Reports Medicine

1, 100098

DOI: [10.1016/j.xcrm.2020.100098](https://doi.org/10.1016/j.xcrm.2020.100098)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Sampling manholes to home in on SARS-CoV-2 infections. PLoS ONE, 2020, 15, e0240007.	1.1	24
2	An integrated biosensor system with mobile health and wastewater-based epidemiology (iBMW) for COVID-19 pandemic. Biosensors and Bioelectronics, 2020, 169, 112617.	5.3	47
3	Frontier review on the propensity and repercussion of SARS-CoV-2 migration to aquatic environment. Journal of Hazardous Materials Letters, 2020, 1, 100001.	2.0	49
4	High-throughput wastewater analysis for substance use assessment in central New York during the COVID-19 pandemic. Environmental Sciences: Processes and Impacts, 2020, 22, 2147-2161.	1.7	28
5	Potential secondary transmission of SARS-CoV-2 via wastewater. Science of the Total Environment, 2020, 749, 142358.	3.9	42
6	Tracking SARS-CoV-2 in Sewage: Evidence of Changes in Virus Variant Predominance during COVID-19 Pandemic. Viruses, 2020, 12, 1144.	1.5	123
7	Viruses in wastewater: occurrence, abundance and detection methods. Science of the Total Environment, 2020, 745, 140910.	3.9	170
8	Coronaviruses in wastewater processes: Source, fate and potential risks. Environment International, 2020, 143, 105962.	4.8	108
9	A review on presence, survival, disinfection/removal methods of coronavirus in wastewater and progress of wastewater-based epidemiology. Journal of Environmental Chemical Engineering, 2020, 8, 104317.	3.3	67
10	Primary concentration "The critical step in implementing the wastewater based epidemiology for the COVID-19 pandemic: A mini-review. Science of the Total Environment, 2020, 747, 141245.	3.9	94
11	First proof of the capability of wastewater surveillance for COVID-19 in India through detection of genetic material of SARS-CoV-2. Science of the Total Environment, 2020, 746, 141326.	3.9	394
12	Sewage analysis as a tool for the COVID-19 pandemic response and management: the urgent need for optimised protocols for SARS-CoV-2 detection and quantification. Journal of Environmental Chemical Engineering, 2020, 8, 104306.	3.3	164
13	Evolutionary Analysis of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Reveals Genomic Divergence with Implications for Universal Vaccine Efficacy. Vaccines, 2020, 8, 591.	2.1	3
14	Making Waves Perspectives of Modelling and Monitoring of SARS-CoV-2 in Aquatic Environment for COVID-19 Pandemic. Current Pollution Reports, 2020, 6, 468-479.	3.1	22
15	Wastewater-Based Epidemiology (WBE) and Viral Detection in Polluted Surface Water: A Valuable Tool for COVID-19 Surveillance" A Brief Review. International Journal of Environmental Research and Public Health, 2020, 17, 9251.	1.2	71
16	Fixing England's COVID-19 response: learning from international experience. Journal of the Royal Society of Medicine, 2020, 113, 422-427.	1.1	10
17	Making Waves: Coronavirus detection, presence and persistence in the water environment: State of the art and knowledge needs for public health. Water Research, 2020, 179, 115907.	5.3	151
18	Comparison of virus concentration methods for the RT-qPCR-based recovery of murine hepatitis virus, a surrogate for SARS-CoV-2 from untreated wastewater. Science of the Total Environment, 2020, 739, 139960.	3.9	405

#	ARTICLE	IF	CITATIONS
19	Wastewater and public health: the potential of wastewater surveillance for monitoring COVID-19. Current Opinion in Environmental Science and Health, 2020, 17, 14-20.	2.1	163
20	SARS-CoV-2 in wastewater: State of the knowledge and research needs. Science of the Total Environment, 2020, 739, 139076.	3.9	599
21	First confirmed detection of SARS-COV-2 in untreated municipal and aircraft wastewater in Dubai, UAE: The use of wastewater based epidemiology as an early warning tool to monitor the prevalence of COVID-19. Science of the Total Environment, 2021, 760, 143350.	3.9	97
22	Coronavirus (SARS-CoV-2) in the environment: Occurrence, persistence, analysis in aquatic systems and possible management. Science of the Total Environment, 2021, 765, 142698.	3.9	53
23	Sources and routes of SARS-CoV-2 transmission in water systems in Africa: Are there any sustainable remedies?. Science of the Total Environment, 2021, 753, 142298.	3.9	34
24	Concerns and strategies for wastewater treatment during COVID-19 pandemic to stop plausible transmission. Resources, Conservation and Recycling, 2021, 164, 105156.	5.3	90
25	Detection of SARS-CoV-2 in raw and treated wastewater in Germany – Suitability for COVID-19 surveillance and potential transmission risks. Science of the Total Environment, 2021, 751, 141750.	3.9	300
26	The novel SARS-CoV-2 pandemic: Possible environmental transmission, detection, persistence and fate during wastewater and water treatment. Science of the Total Environment, 2021, 765, 142746.	3.9	70
27	A chronicle of SARS-CoV-2: Seasonality, environmental fate, transport, inactivation, and antiviral drug resistance. Journal of Hazardous Materials, 2021, 405, 124043.	6.5	76
28	Decay of SARS-CoV-2 RNA along the wastewater treatment outfitted with Upflow Anaerobic Sludge Blanket (UASB) system evaluated through two sample concentration techniques. Science of the Total Environment, 2021, 754, 142329.	3.9	67
29	Quantitative analysis of SARS-CoV-2 RNA from wastewater solids in communities with low COVID-19 incidence and prevalence. Water Research, 2021, 188, 116560.	5.3	297
30	SARS-CoV-2 in wastewater: Challenges for developing countries. International Journal of Hygiene and Environmental Health, 2021, 231, 113634.	2.1	70
31	SARS-CoV-2 has been circulating in northern Italy since December 2019: Evidence from environmental monitoring. Science of the Total Environment, 2021, 750, 141711.	3.9	253
32	Detection of SARS-CoV-2 in wastewater in Japan during a COVID-19 outbreak. Science of the Total Environment, 2021, 758, 143578.	3.9	176
33	Occurrence, fate and removal of SARS-CoV-2 in wastewater: Current knowledge and future perspectives. Journal of Environmental Chemical Engineering, 2021, 9, 104870.	3.3	59
34	Next generation sequencing of SARS-CoV-2 genomes: challenges, applications and opportunities. Briefings in Bioinformatics, 2021, 22, 616-630.	3.2	143
35	Longitudinal Monitoring of SARS-CoV-2 RNA on High-Touch Surfaces in a Community Setting. Environmental Science and Technology Letters, 2021, 8, 168-175.	3.9	156
36	Where do we stand to oversee the coronaviruses in aqueous and aerosol environment? Characteristics of transmission and possible curb strategies. Chemical Engineering Journal, 2021, 413, 127522.	6.6	15

#	ARTICLE	IF	CITATIONS
37	Surveillance of wastewater revealed peaks of SARS-CoV-2 preceding those of hospitalized patients with COVID-19. <i>Water Research</i> , 2021, 189, 116620.	5.3	112
38	SARS-CoV-2 in hospital wastewater during outbreak of COVID-19: A review on detection, survival and disinfection technologies. <i>Science of the Total Environment</i> , 2021, 761, 143192.	3.9	69
39	Detection and quantification of SARS-CoV-2 RNA in wastewater and treated effluents: Surveillance of COVID-19 epidemic in the United Arab Emirates. <i>Science of the Total Environment</i> , 2021, 764, 142929.	3.9	129
40	Occurrence of Human Enteric Viruses in Water Sources and Shellfish: A Focus on Africa. <i>Food and Environmental Virology</i> , 2021, 13, 1-31.	1.5	34
41	Potential discharge, attenuation and exposure risk of SARS-CoV-2 in natural water bodies receiving treated wastewater. <i>Npj Clean Water</i> , 2021, 4, .	3.1	20
42	Wastewater-based Epidemiology for Infectious Diseases: The Foundations and Future Perspectives. <i>Journal of Japan Society on Water Environment</i> , 2021, 44, 125-133.	0.1	0
43	COVID-19 testing: One size does not fit all. <i>Science</i> , 2021, 371, 126-127.	6.0	159
44	Building-level wastewater surveillance using tampon swabs and RT-LAMP for rapid SARS-CoV-2 RNA detection. <i>Environmental Science: Water Research and Technology</i> , 2021, 8, 173-183.	1.2	31
45	Public Health Benefits and Ethical Aspects in the Collection and Open Sharing of Wastewater-Based Epidemic Data on COVID-19. <i>Data Science Journal</i> , 2021, 20, .	0.6	10
47	Early Warning of COVID-19 in Tokyo via Wastewater-based Epidemiology: How Feasible It Really Is?. <i>Journal of Water and Environment Technology</i> , 2021, 19, 170-183.	0.3	9
48	Early-pandemic wastewater surveillance of SARS-CoV-2 in Southern Nevada: Methodology, occurrence, and incidence/prevalence considerations. <i>Water Research X</i> , 2021, 10, 100086.	2.8	177
49	Management of environmental health to prevent an outbreak of COVID-19. , 2021, , 235-267.		9
50	Detection and disinfection of COVID-19 virus in wastewater. <i>Environmental Chemistry Letters</i> , 2021, 19, 1917-1933.	8.3	37
51	COVID-19 Crisis Creates Opportunity towards Global Monitoring & Surveillance. <i>Pathogens</i> , 2021, 10, 256.	1.2	13
53	Potential intestinal infection and faecal-oral transmission of SARS-CoV-2. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 269-283.	8.2	223
54	Indoor versus outdoor transmission of SARS-COV-2: environmental factors in virus spread and underestimated sources of risk. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021, 6, 30.	0.6	42
56	SARS-CoV-2 from Urban to Rural Water Environment: Occurrence, Persistence, Fate, and Influence on Agriculture Irrigation. A Review. <i>Water (Switzerland)</i> , 2021, 13, 764.	1.2	22
58	Occurrence of SARS-CoV-2 in excreta, sewage, and environment: epidemiological significance and potential risks. <i>International Journal of Environmental Health Research</i> , 2022, 32, 1686-1706.	1.3	12

#	ARTICLE	IF	CITATIONS
60	The first detection of SARS-CoV-2 RNA in the wastewater of Tehran, Iran. <i>Environmental Science and Pollution Research</i> , 2021, 28, 38629-38636.	2.7	37
61	SARS-CoV-2: sewage surveillance as an early warning system and challenges in developing countries. <i>Environmental Science and Pollution Research</i> , 2021, 28, 22221-22240.	2.7	38
64	Long-term monitoring of SARS-CoV-2 RNA in wastewater of the Frankfurt metropolitan area in Southern Germany. <i>Scientific Reports</i> , 2021, 11, 5372.	1.6	108
67	Surveillance of Wastewater for Early Epidemic Prediction (SWEEP): Environmental and health security perspectives in the post COVID-19 Anthropocene. <i>Environmental Research</i> , 2021, 195, 110831.	3.7	30
68	Through the gut, down the drain. <i>Nature Reviews Microbiology</i> , 2021, 19, 345-345.	13.6	4
69	SARS-CoV-2: fate in water environments and sewage surveillance as an early warning system. <i>Water Science and Technology</i> , 2021, 84, 1-15.	1.2	9
70	Metatranscriptomic Analysis Reveals SARS-CoV-2 Mutations in Wastewater of the Frankfurt Metropolitan Area in Southern Germany. <i>Microbiology Resource Announcements</i> , 2021, 10, .	0.3	23
71	COVID-19 and Nanoscience in the Developing World: Rapid Detection and Remediation in Wastewater. <i>Nanomaterials</i> , 2021, 11, 991.	1.9	7
72	Assessing the risks of SARS-CoV-2 in wildlife. <i>One Health Outlook</i> , 2021, 3, 7.	1.4	87
73	Epidemiological surveillance of SARS-CoV-2 by genome quantification in wastewater applied to a city in the northeast of France: Comparison of ultrafiltration- and protein precipitation-based methods. <i>International Journal of Hygiene and Environmental Health</i> , 2021, 233, 113692.	2.1	42
74	Wastewater-Based Epidemiology for Managing the COVID-19 Pandemic. <i>ACS ES&T Water</i> , 2021, 1, 1352-1362.	2.3	24
75	Catching a resurgence: Increase in SARS-CoV-2 viral RNA identified in wastewater 48h before COVID-19 clinical tests and 96h before hospitalizations. <i>Science of the Total Environment</i> , 2021, 770, 145319.	3.9	159
76	Accessible and Validated Processing of SARS-CoV-2 from Wastewater. <i>Microbiology Resource Announcements</i> , 2021, 10, e0017421.	0.3	3
77	Monitoring SARS-CoV-2 Circulation and Diversity through Community Wastewater Sequencing, the Netherlands and Belgium. <i>Emerging Infectious Diseases</i> , 2021, 27, 1405-1415.	2.0	168
80	Co-quantification of crAssphage increases confidence in wastewater-based epidemiology for SARS-CoV-2 in low prevalence areas. <i>Water Research X</i> , 2021, 11, 100100.	2.8	90
81	Early detections of SARS-CoV-2 in wastewater and their use in COVID-19 epidemiological control. <i>Research, Society and Development</i> , 2021, 10, e45910515219.	0.0	1
83	Early warning of COVID-19 via wastewater-based epidemiology: potential and bottlenecks. <i>Science of the Total Environment</i> , 2021, 767, 145124.	3.9	126
84	A review of the presence of SARS-CoV-2 RNA in wastewater and airborne particulates and its use for virus spreading surveillance. <i>Environmental Research</i> , 2021, 196, 110929.	3.7	56

#	ARTICLE	IF	CITATIONS
85	Survey of rapid development of environmental surveillance methods for SARS-CoV-2 detection in wastewater. <i>Science of the Total Environment</i> , 2021, 769, 144852.	3.9	17
88	Rapid Increase of SARS-CoV-2 Variant B.1.1.7 Detected in Sewage Samples from England between October 2020 and January 2021. <i>MSystems</i> , 2021, 6, e0035321.	1.7	46
89	Several forms of SARS-CoV-2 RNA can be detected in wastewaters: Implication for wastewater-based epidemiology and risk assessment. <i>Water Research</i> , 2021, 198, 117183.	5.3	120
93	Development of a large volume concentration method for recovery of coronavirus from wastewater. <i>Science of the Total Environment</i> , 2021, 774, 145727.	3.9	37
94	A critical review on SARS-CoV-2 infectivity in water and wastewater. What do we know?. <i>Science of the Total Environment</i> , 2021, 774, 145721.	3.9	97
97	Impacts of COVID-19 pandemic on the wastewater pathway into surface water: A review. <i>Science of the Total Environment</i> , 2021, 774, 145586.	3.9	54
98	Novel coronavirus disease 2019 (COVID-19) pandemic: From transmission to control with an interdisciplinary vision. <i>Environmental Research</i> , 2021, 197, 111126.	3.7	73
99	COVID-19 (SARS-CoV-2) outbreak monitoring using wastewater-based epidemiology in Qatar. <i>Science of the Total Environment</i> , 2021, 774, 145608.	3.9	120
101	COVID-19 infection risk from exposure to aerosols of wastewater treatment plants. <i>Chemosphere</i> , 2021, 273, 129701.	4.2	61
102	Correlation of SARS-CoV-2 RNA in wastewater with COVID-19 disease burden in sewersheds. <i>Science of the Total Environment</i> , 2021, 775, 145790.	3.9	243
104	Novel Multiplexed Amplicon-Based Sequencing to Quantify SARS-CoV-2 RNA from Wastewater. <i>Environmental Science and Technology Letters</i> , 2021, 8, 683-690.	3.9	15
105	Translating SARS-CoV-2 wastewater-based epidemiology for prioritizing mass vaccination: a strategic overview. <i>Environmental Science and Pollution Research</i> , 2021, 28, 42975-42980.	2.7	4
106	The presence of SARS-CoV-2 RNA in human sewage in Santa Catarina, Brazil, November 2019. <i>Science of the Total Environment</i> , 2021, 778, 146198.	3.9	99
108	Occurrence of various viruses and recent evidence of SARS-CoV-2 in wastewater systems. <i>Journal of Hazardous Materials</i> , 2021, 414, 125439.	6.5	44
110	Uncertainties in estimating SARS-CoV-2 prevalence by wastewater-based epidemiology. <i>Chemical Engineering Journal</i> , 2021, 415, 129039.	6.6	133
111	Sewage Systems Surveillance for SARS-CoV-2: Identification of Knowledge Gaps, Emerging Threats, and Future Research Needs. <i>Pathogens</i> , 2021, 10, 946.	1.2	17
112	First surveillance of SARS-CoV-2 and organic tracers in community wastewater during post lockdown in Chennai, South India: Methods, occurrence and concurrence. <i>Science of the Total Environment</i> , 2021, 778, 146252.	3.9	57
113	Coronavirus: occurrence, surveillance, and persistence in wastewater. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 508.	1.3	6

#	ARTICLE	IF	CITATIONS
114	Global occurrence of SARS-CoV-2 in environmental aquatic matrices and its implications for sanitation and vulnerabilities in Brazil and developing countries. <i>International Journal of Environmental Health Research</i> , 2022, 32, 2160-2199.	1.3	2
117	Methods Evaluation for Rapid Concentration and Quantification of SARS-CoV-2 in Raw Wastewater Using Droplet Digital and Quantitative RT-PCR. <i>Food and Environmental Virology</i> , 2021, 13, 303-315.	1.5	49
118	First detection of SARS-CoV-2 genetic material in the vicinity of COVID-19 isolation Centre in Bangladesh: Variation along the sewer network. <i>Science of the Total Environment</i> , 2021, 776, 145724.	3.9	86
119	Wastewater-Based Epidemiology for Community Monitoring of SARS-CoV-2: Progress and Challenges. <i>ACS Environmental Au</i> , 2021, 1, 18-31.	3.3	33
120	Monitoring SARS-CoV-2 in municipal wastewater to evaluate the success of lockdown measures for controlling COVID-19 in the UK. <i>Water Research</i> , 2021, 200, 117214.	5.3	117
121	Secondary transmission of SARS-CoV-2 through wastewater: Concerns and tactics for treatment to effectively control the pandemic. <i>Journal of Environmental Management</i> , 2021, 290, 112668.	3.8	36
123	Data filtering methods for SARS-CoV-2 wastewater surveillance. <i>Water Science and Technology</i> , 2021, 84, 1324-1339.	1.2	24
124	The impact of coronavirus SARS-CoV-2 (COVID-19) in water: potential risks. <i>Environmental Science and Pollution Research</i> , 2021, 28, 52651-52674.	2.7	16
125	Monitoring SARS-CoV-2 Populations in Wastewater by Amplicon Sequencing and Using the Novel Program SAM Refiner. <i>Viruses</i> , 2021, 13, 1647.	1.5	32
126	Tools for interpretation of wastewater SARS-CoV-2 temporal and spatial trends demonstrated with data collected in the San Francisco Bay Area. <i>Water Research X</i> , 2021, 12, 100111.	2.8	67
127	Early Warnings of COVID-19 Second Wave in Detroit. <i>Journal of Environmental Engineering, ASCE</i> , 2021, 147, .	0.7	14
128	Environmental perspective of COVID-19: Atmospheric and wastewater environment in relation to pandemic. <i>Ecotoxicology and Environmental Safety</i> , 2021, 219, 112297.	2.9	12
129	Within- and between-Day Variability of SARS-CoV-2 RNA in Municipal Wastewater during Periods of Varying COVID-19 Prevalence and Positivity. <i>ACS ES&T Water</i> , 2021, 1, 2097-2108.	2.3	45
130	Novel coronavirus disease (COVID-19): origin, transmission through the environment, health effects, and mitigation strategies—a review. <i>Environmental Sustainability</i> , 2021, 4, 515-526.	1.4	2
131	The Urban Water Cycle as a Planning Tool to Monitor SARS-CoV-2: A Review of the Literature. <i>Sustainability</i> , 2021, 13, 9010.	1.6	4
132	Coronavirus in water media: Analysis, fate, disinfection and epidemiological applications. <i>Journal of Hazardous Materials</i> , 2021, 415, 125580.	6.5	50
135	Water science under the global epidemic of COVID-19: Bibliometric tracking on COVID-19 publication and further research needs. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105357.	3.3	32
136	The presence of SARS-CoV-2 RNA in different freshwater environments in urban settings determined by RT-qPCR: Implications for water safety. <i>Science of the Total Environment</i> , 2021, 784, 147183.	3.9	49

#	ARTICLE	IF	CITATIONS
137	Antidrug resistance in the Indian ambient waters of Ahmedabad during the COVID-19 pandemic. <i>Journal of Hazardous Materials</i> , 2021, 416, 126125.	6.5	28
138	Novel Nested-Seq Approach for SARS-CoV-2 Real-Time Epidemiology and In-Depth Mutational Profiling in Wastewater. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8498.	1.8	11
139	Wastewater Based Epidemiology Perspective as a Faster Protocol for Detecting Coronavirus RNA in Human Populations: A Review with Specific Reference to SARS-CoV-2 Virus. <i>Pathogens</i> , 2021, 10, 1008.	1.2	30
140	Monitoring the Circulation of SARS-CoV-2 Variants by Genomic Analysis of Wastewater in Marseille, South-East France. <i>Pathogens</i> , 2021, 10, 1042.	1.2	23
141	Monitoring Emergence of the SARS-CoV-2 B.1.1.7 Variant through the Spanish National SARS-CoV-2 Wastewater Surveillance System (VATar COVID-19). <i>Environmental Science & Technology</i> , 2021, 55, 11756-11766.	4.6	39
142	Making waves: Defining the lead time of wastewater-based epidemiology for COVID-19. <i>Water Research</i> , 2021, 202, 117433.	5.3	85
143	Elimination of SARS-CoV-2 along wastewater and sludge treatment processes. <i>Water Research</i> , 2021, 202, 117435.	5.3	50
145	High-throughput sequencing of SARS-CoV-2 in wastewater provides insights into circulating variants. <i>Water Research</i> , 2021, 205, 117710.	5.3	93
146	Wastewater surveillance of SARS-CoV-2 across 40 U.S. states from February to June 2020. <i>Water Research</i> , 2021, 202, 117400.	5.3	119
147	SARS-CoV-2 Wastewater Surveillance for Public Health Action. <i>Emerging Infectious Diseases</i> , 2021, 27, 1-8.	2.0	73
148	Early Warning Diagnostics for Emerging Infectious Diseases in Developing into Late-Stage Pandemics. <i>Accounts of Chemical Research</i> , 2021, 54, 3656-3666.	7.6	15
149	Non-intrusive wastewater surveillance for monitoring of a residential building for COVID-19 cases. <i>Science of the Total Environment</i> , 2021, 786, 147419.	3.9	59
152	A novel RdRp-based colorimetric RT-LAMP assay for rapid and sensitive detection of SARS-CoV-2 in clinical and sewage samples from Pakistan. <i>Virus Research</i> , 2021, 302, 198484.	1.1	24
153	Targeted wastewater surveillance of SARS-CoV-2 on a university campus for COVID-19 outbreak detection and mitigation. <i>Environmental Research</i> , 2021, 200, 111374.	3.7	126
154	Ahead of the second wave: Early warning for COVID-19 by wastewater surveillance in Hungary. <i>Science of the Total Environment</i> , 2021, 786, 147398.	3.9	43
155	An optimized and robust PEG precipitation method for detection of SARS-CoV-2 in wastewater. <i>Science of the Total Environment</i> , 2021, 785, 147270.	3.9	43
156	Capacity of existing wastewater treatment plants to treat SARS-CoV-2. A review. <i>Bioresource Technology Reports</i> , 2021, 15, 100737.	1.5	13
157	Long-term monitoring of SARS-COV-2 RNA in wastewater in Brazil: A more responsive and economical approach. <i>Water Research</i> , 2021, 203, 117534.	5.3	39

#	ARTICLE	IF	CITATIONS
159	High-Frequency, High-Throughput Quantification of SARS-CoV-2 RNA in Wastewater Settled Solids at Eight Publicly Owned Treatment Works in Northern California Shows Strong Association with COVID-19 Incidence. <i>MSystems</i> , 2021, 6, e0082921.	1.7	70
161	RNA Viromics of Southern California Wastewater and Detection of SARS-CoV-2 Single-Nucleotide Variants. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0144821.	1.4	40
162	Key SARS-CoV-2 Mutations of Alpha, Gamma, and Eta Variants Detected in Urban Wastewaters in Italy by Long-Read Amplicon Sequencing Based on Nanopore Technology. <i>Water (Switzerland)</i> , 2021, 13, 2503.	1.2	28
163	Using QMRA to understand possible exposure risks of SARS-CoV-2 from the water environment. <i>Environmental Science and Pollution Research</i> , 2022, 29, 7240-7253.	2.7	5
165	SARS-CoV-2 adsorption on suspended solids along a sewerage network: mathematical model formulation, sensitivity analysis, and parametric study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 11304-11319.	2.7	6
166	Wastewater, waste, and water-based epidemiology (WWW-BE): A novel hypothesis and decision-support tool to unravel COVID-19 in low-income settings?. <i>Science of the Total Environment</i> , 2022, 806, 150680.	3.9	22
167	Detection of SARS-CoV-2 variants by genomic analysis of wastewater samples in Israel. <i>Science of the Total Environment</i> , 2021, 789, 148002.	3.9	82
168	Data-driven estimation of COVID-19 community prevalence through wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2021, 789, 147947.	3.9	54
169	High-resolution within-sewer SARS-CoV-2 surveillance facilitates informed intervention. <i>Water Research</i> , 2021, 204, 117613.	5.3	38
170	The first case study of wastewater-based epidemiology of COVID-19 in Hong Kong. <i>Science of the Total Environment</i> , 2021, 790, 148000.	3.9	50
171	Wastewater aerosols produced during flushing toilets, WWTPs, and irrigation with reclaimed municipal wastewater as indirect exposure to SARS-CoV-2. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106201.	3.3	17
172	Challenges to detect SARS-CoV-2 on environmental media, the need and strategies to implement the detection methodologies in wastewaters. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105881.	3.3	2
173	Moore swab performs equal to composite and outperforms grab sampling for SARS-CoV-2 monitoring in wastewater. <i>Science of the Total Environment</i> , 2021, 790, 148205.	3.9	42
174	The COVID-19 pandemic and its implications on the environment. <i>Environmental Research</i> , 2021, 201, 111648.	3.7	43
175	Technical framework for wastewater-based epidemiology of SARS-CoV-2. <i>Science of the Total Environment</i> , 2021, 791, 148271.	3.9	18
176	Age-dependent association between SARS-CoV-2 cases reported by passive surveillance and viral load in wastewater. <i>Science of the Total Environment</i> , 2021, 792, 148442.	3.9	12
177	A year into the COVID-19 pandemic: Rethinking of wastewater monitoring as a preemptive approach. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106063.	3.3	26
178	Evaluation of low-cost viral concentration methods in wastewaters: Implications for SARS-CoV-2 pandemic surveillances. <i>Journal of Virological Methods</i> , 2021, 297, 114249.	1.0	12

#	ARTICLE	IF	CITATIONS
179	Monitoring of SARS-CoV-2 RNA in wastewater as an epidemiological surveillance tool in Mendoza, Argentina. <i>Science of the Total Environment</i> , 2021, 796, 148887.	3.9	34
180	Diagnosis of COVID-19, vitality of emerging technologies and preventive measures. <i>Chemical Engineering Journal</i> , 2021, 423, 130189.	6.6	38
181	SARS-CoV-2 concentrations in a wastewater collection system indicated potential COVID-19 hotspots at the zip code level. <i>Science of the Total Environment</i> , 2021, 800, 149480.	3.9	22
182	Performance evaluation of virus concentration methods for implementing SARS-CoV-2 wastewater based epidemiology emphasizing quick data turnaround. <i>Science of the Total Environment</i> , 2021, 801, 149656.	3.9	37
183	Reflections of COVID-19 cases in the wastewater loading of SARS-CoV-2 RNA: A case of three major cities of Gujarat, India. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 4, 100115.	2.9	17
184	Wastewater SARS-CoV-2 monitoring as a community-level COVID-19 trend tracker and variants in Ohio, United States. <i>Science of the Total Environment</i> , 2021, 801, 149757.	3.9	107
185	Systematic assessment of SARS-CoV-2 virus in wastewater, rivers and drinking water – A catchment-wide appraisal. <i>Science of the Total Environment</i> , 2021, 800, 149298.	3.9	8
186	Community-level SARS-CoV-2 sequence diversity revealed by wastewater sampling. <i>Science of the Total Environment</i> , 2021, 801, 149691.	3.9	25
187	First comparison of conventional activated sludge versus root-zone treatment for SARS-CoV-2 RNA removal from wastewaters: Statistical and temporal significance. <i>Chemical Engineering Journal</i> , 2021, 425, 130635.	6.6	26
188	A review on detection of SARS-CoV-2 RNA in wastewater in light of the current knowledge of treatment process for removal of viral fragments. <i>Journal of Environmental Management</i> , 2021, 299, 113563.	3.8	37
189	SARS-CoV-2 variant detection at a university dormitory using wastewater genomic tools. <i>Science of the Total Environment</i> , 2022, 805, 149930.	3.9	39
190	Associations between SARS-CoV-2 RNA concentrations in wastewater and COVID-19 rates in days after sampling in small urban areas of Seville: A time series study. <i>Science of the Total Environment</i> , 2022, 806, 150573.	3.9	18
191	Wastewater surveillance to infer COVID-19 transmission: A systematic review. <i>Science of the Total Environment</i> , 2022, 804, 150060.	3.9	124
193	Unrecognized risks and challenges of water as a major focus of COVID-19 spread. <i>Journal of Global Health</i> , 2021, 11, 03016.	1.2	2
194	Genome Sequencing of Sewage Detects Regionally Prevalent SARS-CoV-2 Variants. <i>MBio</i> , 2021, 12, .	1.8	284
195	Wastewater-based epidemiology – surveillance and early detection of waterborne pathogens with a focus on SARS-CoV-2, Cryptosporidium and Giardia. <i>Parasitology Research</i> , 2021, 120, 4167-4188.	0.6	55
197	Current understanding of the influence of environmental factors on SARS-CoV-2 transmission, persistence, and infectivity. <i>Environmental Science and Pollution Research</i> , 2021, 28, 6267-6288.	2.7	49
198	Implementation of environmental surveillance for SARS-CoV-2 virus to support public health decisions: Opportunities and challenges. <i>Current Opinion in Environmental Science and Health</i> , 2020, 17, 49-71.	2.1	255

#	ARTICLE	IF	CITATIONS
203	SARS-CoV-2 sewage surveillance in low-income countries: potential and challenges. <i>Journal of Water and Health</i> , 2021, 19, 1-19.	1.1	14
204	A szennyvíz alapú epidemiológiai jelentés a COVID-19 járványban és azon túl. <i>Scientia Et Securitas</i> , 2021, 2, 30-37.	0.1	0
205	SARS-CoV-2 and Food: How Confident Are We about Them?. <i>Hygiene</i> , 2021, 1, 80-98.	0.5	1
206	Wastewater surveillance demonstrates high predictive value for COVID-19 infection on board repatriation flights to Australia. <i>Environment International</i> , 2022, 158, 106938.	4.8	43
207	The Rapid Assessment of Aggregated Wastewater Samples for Genomic Surveillance of SARS-CoV-2 on a City-Wide Scale. <i>Pathogens</i> , 2021, 10, 1271.	1.2	15
208	High throughput sequencing based direct detection of SARS-CoV-2 fragments in wastewater of Pune, West India. <i>Science of the Total Environment</i> , 2022, 807, 151038.	3.9	24
209	Insights into Gastrointestinal Virome: Etiology and Public Exposure. <i>Water (Switzerland)</i> , 2021, 13, 2794.	1.2	5
211	Assessing Multiplex Tiling PCR Sequencing Approaches for Detecting Genomic Variants of SARS-CoV-2 in Municipal Wastewater. <i>MSystems</i> , 2021, 6, e0106821.	1.7	26
212	SARS-CoV-2 surveillance in untreated wastewater: detection of viral RNA in a low-resource community in Buenos Aires, Argentina. <i>Revista Panamericana De Salud Publica/Pan American Journal of Public Health</i> , 2021, 45, 1.	0.6	16
213	Strategy and Performance Evaluation of Low-Frequency Variant Calling for SARS-CoV-2 Using Targeted Deep Illumina Sequencing. <i>Frontiers in Microbiology</i> , 2021, 12, 747458.	1.5	15
214	New approach in SARS-CoV-2 surveillance using biosensor technology: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1677-1695.	2.7	22
215	SARS-CoV-2 whole-genome sequencing using reverse complement PCR: For easy, fast and accurate outbreak and variant analysis.. <i>Journal of Clinical Virology</i> , 2021, 144, 104993.	1.6	18
216	Genome Sequencing of SARS-CoV-2 Allows Monitoring of Variants of Concern through Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 3018.	1.2	21
217	COVID-19: A Critical Review on Viral Biochemistry, Environmental Transmission, Therapeutics and Safety Measures. <i>European Journal of Biology and Biotechnology</i> , 2020, 1, .	0.2	0
218	First evidence of SARS-CoV-2 genome detection in zebra mussel (<i>Dreissena polymorpha</i>). <i>Journal of Environmental Management</i> , 2022, 301, 113866.	3.8	16
219	Relating SARS-CoV-2 shedding rate in wastewater to daily positive tests data: A consistent model based approach. <i>Science of the Total Environment</i> , 2022, 807, 150838.	3.9	23
220	A State-of-the-Art Scoping Review on SARS-CoV-2 in Sewage Focusing on the Potential of Wastewater Surveillance for the Monitoring of the COVID-19 Pandemic. <i>Food and Environmental Virology</i> , 2022, 14, 315-354.	1.5	47
221	Validating and optimizing the method for molecular detection and quantification of SARS-CoV-2 in wastewater. <i>Science of the Total Environment</i> , 2022, 812, 151434.	3.9	30

#	ARTICLE	IF	CITATIONS
222	Predicting COVID-19 cases in diverse population groups using SARS-CoV-2 wastewater monitoring across Oklahoma City. <i>Science of the Total Environment</i> , 2022, 812, 151431.	3.9	16
223	Reliability of Wastewater Analysis for Monitoring COVID-19 Incidence Revealed by a Long-Term Follow-Up Study. <i>Frontiers in Virology</i> , 2021, 1, .	0.7	9
224	A reduced graphene oxide-Fe ₃ O ₄ composite functionalized with cetyltrimethylammonium bromide for efficient adsorption of SARS-CoV-2 spike pseudovirus and human enteric viruses. <i>Chemosphere</i> , 2022, 291, 132995.	4.2	10
226	Intestinal viral infections of nSARS-CoV2 in the Indian community: Risk of virus spread in India. <i>Journal of Medical Virology</i> , 2022, 94, 1315-1329.	2.5	3
227	SARS-CoV-2 wastewater surveillance in Germany: Long-term RT-digital droplet PCR monitoring, suitability of primer/probe combinations and biomarker stability. <i>Water Research</i> , 2022, 210, 117977.	5.3	40
228	Tracking the temporal variation of COVID-19 surges through wastewater-based epidemiology during the peak of the pandemic: A six-month long study in Charlotte, North Carolina. <i>Science of the Total Environment</i> , 2022, 814, 152503.	3.9	26
229	Modeling the number of people infected with SARS-COV-2 from wastewater viral load in Northwest Spain. <i>Science of the Total Environment</i> , 2022, 811, 152334.	3.9	42
230	Association of SARS-CoV-2 presence in sewage with public adherence to precautionary measures and reported COVID-19 prevalence in Tehran. <i>Science of the Total Environment</i> , 2022, 812, 152597.	3.9	11
231	SARS-CoV-2 circulation in Croatian wastewaters and the absence of SARS-CoV-2 in bivalve molluscan shellfish. <i>Environmental Research</i> , 2022, 207, 112638.	3.7	4
232	Management of Sars-Cov-2 Medical Waste Against a Covid19 Pandemic in Indonesia: A Literature Review. <i>Jurnal Kesehatan Lingkungan</i> , 2020, 12, 244.	0.1	2
233	Predicting daily COVID-19 case rates from SARS-CoV-2 RNA concentrations across a diversity of wastewater catchments. <i>FEMS Microbes</i> , 2022, 2, xtab022.	0.8	19
234	Challenges and emerging perspectives of an international SARS-CoV-2 epidemiological surveillance in wastewater. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20210163.	0.3	2
235	Monitoring of SARS-CoV-2 Variants by Wastewater-Based Surveillance as a Sustainable and Pragmatic Approach—A Case Study of Jaipur (India). <i>Water (Switzerland)</i> , 2022, 14, 297.	1.2	11
236	Regressing SARS-CoV-2 Sewage Measurements Onto COVID-19 Burden in the Population: A Proof-of-Concept for Quantitative Environmental Surveillance. <i>Frontiers in Public Health</i> , 2021, 9, 561710.	1.3	73
237	Coprostanol as a Population Biomarker for SARS-CoV-2 Wastewater Surveillance Studies. <i>Water (Switzerland)</i> , 2022, 14, 225.	1.2	5
238	SARS-CoV-2 in wastewater: From detection to evaluation. <i>Materials Today Advances</i> , 2022, 13, 100211.	2.5	15
239	Spatial and temporal distribution of SARS-CoV-2 diversity circulating in wastewater. <i>Water Research</i> , 2022, 211, 118007.	5.3	37
240	A novel approach to concentrate human and animal viruses from wastewater using receptors-conjugated magnetic beads. <i>Water Research</i> , 2022, 212, 118112.	5.3	10

#	ARTICLE	IF	CITATIONS
241	Metrics to relate COVID-19 wastewater data to clinical testing dynamics. <i>Water Research</i> , 2022, 212, 118070.	5.3	68
242	Detection of the Omicron (B.1.1.529) variant of SARS-CoV-2 in aircraft wastewater. <i>Science of the Total Environment</i> , 2022, 820, 153171.	3.9	55
243	Comparison of virus concentration methods and RNA extraction methods for SARS-CoV-2 wastewater surveillance. <i>Science of the Total Environment</i> , 2022, 824, 153687.	3.9	49
244	Prevalence and circulation patterns of SARS-CoV-2 variants in European sewage mirror clinical data of 54 European cities. <i>Water Research</i> , 2022, 214, 118162.	5.3	45
245	Detection of SARS-CoV-2 RNA in wastewater, river water, and hospital wastewater of Nepal. <i>Science of the Total Environment</i> , 2022, 824, 153816.	3.9	34
246	One-year surveillance of SARS-CoV-2 in wastewater from vulnerable urban communities in metropolitan São Paulo, Brazil. <i>Journal of Water and Health</i> , 2022, 20, 471-490.	1.1	14
247	Wastewater surveillance for SARS-CoV-2 in a small coastal community: Effects of tourism on viral presence and variant identification among low prevalence populations. <i>Environmental Research</i> , 2022, 208, 112496.	3.7	16
248	Padronização de método de concentração e extração de ácidos nucleicos em amostras de esgoto sanitário: uma ferramenta de baixo custo para ser utilizada na vigilância epidemiológica de SARS-CoV-2. <i>Engenharia Sanitaria E Ambiental</i> , 2021, 26, 1043-1049.	0.1	2
251	COVID 19 Pandemic and biomedical waste management practices in healthcare system. <i>Journal of Family Medicine and Primary Care</i> , 2022, 11, 439.	0.3	12
252	Long-Term Monitoring of SARS-CoV-2 RNA in Sewage Samples from Specific Public Places and STPSs to Track COVID-19 Spread and Identify Potential Hotspots. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
254	Detecting SARS-CoV-2 lineages and mutational load in municipal wastewater and a use-case in the metropolitan area of Thessaloniki, Greece. <i>Scientific Reports</i> , 2022, 12, 2659.	1.6	17
255	A Simple Method to Detect SARS-CoV-2 in Wastewater at Low Virus Concentration. <i>Journal of Environmental and Public Health</i> , 2022, 2022, 1-7.	0.4	13
256	The relevant information about the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) using the five-question approach (when, where, what, why, and how) and its impact on the environment. <i>Environmental Science and Pollution Research</i> , 2023, 30, 61430-61454.	2.7	6
257	A safe haven of SARS-CoV-2 in the environment: Prevalence and potential transmission risks in the effluent, sludge, and biosolids. <i>Geoscience Frontiers</i> , 2022, 13, 101373.	4.3	9
259	Efficacy of SARS-CoV-2 wastewater surveillance for detection of COVID-19 at a residential private college. <i>FEMS Microbes</i> , 2022, 3, .	0.8	3
260	Monitoring of SARS-CoV-2 in wastewater: what normalisation for improved understanding of epidemic trends?. <i>Journal of Water and Health</i> , 2022, 20, 712-726.	1.1	9
262	Successful application of wastewater-based epidemiology in prediction and monitoring of the second wave of COVID-19 with fragmented sewerage systems—a case study of Jaipur (India). <i>Environmental Monitoring and Assessment</i> , 2022, 194, 342.	1.3	11
263	Opportunities and limits of wastewater-based epidemiology for tracking global health and attainment of UN sustainable development goals. <i>Environment International</i> , 2022, 163, 107217.	4.8	41

#	ARTICLE	IF	CITATIONS
264	Model-based assessment of COVID-19 epidemic dynamics by wastewater analysis. <i>Science of the Total Environment</i> , 2022, 827, 154235.	3.9	29
265	Implementing wastewater monitoring on American Indian reservations to assess community health indicators. <i>Science of the Total Environment</i> , 2022, 823, 153882.	3.9	7
266	First case of SARS-CoV-2 RNA detection in municipal solid waste leachate from Brazil. <i>Science of the Total Environment</i> , 2022, 824, 153927.	3.9	5
267	A review on the contamination of SARS-CoV-2 in water bodies: Transmission route, virus recovery and recent biosensor detection techniques. <i>Sensing and Bio-Sensing Research</i> , 2022, 36, 100482.	2.2	7
268	Acquired insights from the long-term surveillance of SARS-CoV-2 RNA for COVID-19 monitoring: The case of Monterrey Metropolitan Area (Mexico). <i>Environmental Research</i> , 2022, 210, 112967.	3.7	11
269	Lead time of early warning by wastewater surveillance for COVID-19: Geographical variations and impacting factors. <i>Chemical Engineering Journal</i> , 2022, 441, 135936.	6.6	40
270	Plant cysteine proteases: Potential therapeutic agents against SARS-CoV-2. <i>Phytotherapy Research</i> , 2022, 36, 3-4.	2.8	0
271	Possibility of Detection of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) through Wastewater in Developing Countries. <i>Water (Switzerland)</i> , 2021, 13, 3412.	1.2	3
274	Monitoring COVID-19 through SARS-CoV-2 quantification in wastewater: progress, challenges and prospects. <i>Microbial Biotechnology</i> , 2022, 15, 1719-1728.	2.0	23
276	The devil is in the details: emerging insights on the relevance of wastewater surveillance for SARS-CoV-2 to public health. <i>Journal of Water and Health</i> , 2022, 20, 246-270.	1.1	23
277	Nanomaterials and metal-organic frameworks for biosensing applications of mutations of the emerging viruses. <i>Analytical Biochemistry</i> , 2022, 648, 114680.	1.1	11
278	Artificial neural network-based estimation of COVID-19 case numbers and effective reproduction rate using wastewater-based epidemiology. <i>Water Research</i> , 2022, 218, 118451.	5.3	52
279	Use of wastewater surveillance for early detection of Alpha and Epsilon SARS-CoV-2 variants of concern and estimation of overall COVID-19 infection burden. <i>Science of the Total Environment</i> , 2022, 835, 155410.	3.9	34
280	Phylogenetic and phylodynamic approaches to understanding and combating the early SARS-CoV-2 pandemic. <i>Nature Reviews Genetics</i> , 2022, 23, 547-562.	7.7	70
281	Emerging investigator series: meta-analyses on SARS-CoV-2 viral RNA levels in wastewater and their correlations to epidemiological indicators. <i>Environmental Science: Water Research and Technology</i> , 2022, 8, 1391-1407.	1.2	5
282	Improved methods for the detection and quantification of SARS-CoV-2 RNA in wastewater. <i>Scientific Reports</i> , 2022, 12, 7201.	1.6	8
283	Making waves: Wastewater surveillance of SARS-CoV-2 in an endemic future. <i>Water Research</i> , 2022, 219, 118535.	5.3	37
284	Monitoring SARS-CoV-2 in the Wastewater and Rivers of Tapachula, a Migratory Hub in Southern Mexico. <i>Food and Environmental Virology</i> , 2022, 14, 199-211.	1.5	7

#	ARTICLE	IF	CITATIONS
285	Longitudinal SARS-CoV-2 RNA wastewater monitoring across a range of scales correlates with total and regional COVID-19 burden in a well-defined urban population. <i>Water Research</i> , 2022, 220, 118611.	5.3	34
286	Long-term monitoring of SARS-CoV-2 RNA in sewage samples from specific public places and STPs to track COVID-19 spread and identify potential hotspots. <i>Science of the Total Environment</i> , 2022, 838, 155959.	3.9	11
287	RT-qPCR and ATOplex sequencing for the sensitive detection of SARS-CoV-2 RNA for wastewater surveillance. <i>Water Research</i> , 2022, 220, 118621.	5.3	12
289	Metagenomics of Wastewater Influent from Wastewater Treatment Facilities across Ontario in the Era of Emerging SARS-CoV-2 Variants of Concern. <i>Microbiology Resource Announcements</i> , 2022, 11, .	0.3	11
290	Space-time analysis of COVID-19 cases and SARS-CoV-2 wastewater loading: A geodemographic perspective. <i>Spatial and Spatio-temporal Epidemiology</i> , 2022, 42, 100521.	0.9	5
291	Detection of SARS-CoV-2 Variants of Concern with Tiling Amplicon Sequencing from Wastewater. <i>ACS ES&T Water</i> , 2022, 2, 2185-2193.	2.3	5
292	No Evidence of SARS-CoV-2 Among Flies or Cockroaches in Households Where COVID-19 Positive Cases Resided. <i>Journal of Medical Entomology</i> , 2022, 59, 1479-1483.	0.9	2
293	Centralized and decentralized wastewater-based epidemiology to infer COVID-19 transmission â€“ A brief review. <i>One Health</i> , 2022, 15, 100405.	1.5	14
294	Spatiotemporal Surveillance of SARS-CoV-2 in the Sewage of Three Major Urban Areas in Peru: Generating Valuable Data Where Clinical Testing Is Extremely Limited. <i>ACS ES&T Water</i> , 2022, 2, 2144-2157.	2.3	7
295	National Scale Real-Time Surveillance of SARS-CoV-2 Variants Dynamics by Wastewater Monitoring in Israel. <i>Viruses</i> , 2022, 14, 1229.	1.5	5
297	A systematic review on the occurrence, fate, and remediation of SARS-CoV-2 in wastewater. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 8073-8086.	1.8	4
298	Evaluating the impact of sample storage, handling, and technical ability on the decay and recovery of SARS-CoV-2 in wastewater. <i>PLoS ONE</i> , 2022, 17, e0270659.	1.1	19
300	Extensive Wastewater-Based Epidemiology as a Resourceful Tool for SARS-CoV-2 Surveillance in a Low-to-Middle-Income Country through a Successful Collaborative Quest: WBE, Mobility, and Clinical Tests. <i>Water (Switzerland)</i> , 2022, 14, 1842.	1.2	10
301	Severe Acute Respiratory Syndrome Coronavirus 2 Is Detected in the Gastrointestinal Tract of Asymptomatic Endoscopy Patients but Is Unlikely to Pose a Significant Risk to Healthcare Personnel. , 2022, 1, 844-852.		4
302	The One Health concept for the threat of severe acute respiratory syndrome coronavirus-2 to marine ecosystems. <i>International Journal of One Health</i> , 0, , 48-57.	0.6	2
303	Wastewater-based epidemiological surveillance to monitor the prevalence of SARS-CoV-2 in developing countries with onsite sanitation facilities. <i>Environmental Pollution</i> , 2022, 311, 119679.	3.7	42
304	Rapid transition between SARS-CoV-2 variants of concern Delta and Omicron detected by monitoring municipal wastewater from three Canadian cities. <i>Science of the Total Environment</i> , 2022, 841, 156741.	3.9	25
305	SARS-CoV-2 Whole-Genome Sequencing Using Oxford Nanopore Technology for Variant Monitoring in Wastewaters. <i>Frontiers in Microbiology</i> , 0, 13, .	1.5	18

#	ARTICLE	IF	CITATIONS
306	The Detection of SARS-CoV2 Antigen in Wastewater Using an Automated Chemiluminescence Enzyme Immunoassay. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7783.	1.2	3
307	Potential and Challenges Encountered in the Application of Wastewater-Based Epidemiology as an Early Warning System for COVID-19 Infections in South Africa. <i>ACS ES&T Water</i> , 2022, 2, 2105-2113.	2.3	4
308	Wastewater monitoring of SARS-CoV-2 shows high correlation with COVID-19 case numbers and allowed early detection of the first confirmed B.1.1.529 infection in Switzerland: results of an observational surveillance study. <i>Swiss Medical Weekly</i> , 2022, 152, w30202.	0.8	8
310	Genetic sequencing detected the SARS-CoV-2 delta variant in wastewater a month prior to the first COVID-19 case in Ahmedabad (India). <i>Environmental Pollution</i> , 2022, 310, 119757.	3.7	15
311	Viral variant-resolved wastewater surveillance of SARS-CoV-2 at national scale. <i>Nature Biotechnology</i> , 2022, 40, 1814-1822.	9.4	82
312	Transmission Pathways and Genomic Epidemiology of Emerging Variants of SARS-CoV-2 in the Environment. <i>Covid</i> , 2022, 2, 916-939.	0.7	5
313	Effectiveness of environmental surveillance of SARS-CoV-2 as an early warning system during the first year of the COVID-19 pandemic: a systematic review. <i>Journal of Water and Health</i> , 2022, 20, 1223-1242.	1.1	6
314	Community Wastewater-Based Surveillance Can Be a Cost-Effective Approach to Track COVID-19 Outbreak in Low-Resource Settings: Feasibility Assessment for Ethiopia Context. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8515.	1.2	4
315	Rapid Implementation of High-Frequency Wastewater Surveillance of SARS-CoV-2. <i>ACS ES&T Water</i> , 2022, 2, 2201-2210.	2.3	6
316	Dispersion of SARS-CoV-2 RNA across a wastewater treatment plant and its workers. <i>Water and Environment Journal</i> , 2022, 36, 713-722.	1.0	5
318	Comparing Rates of Change in SARS-CoV-2 Wastewater Load and Clinical Cases in 19 Sewersheds Across Four Major Metropolitan Areas in the United States. <i>ACS ES&T Water</i> , 2022, 2, 2233-2242.	2.3	6
319	Five-week warning of COVID-19 peaks prior to the Omicron surge in Detroit, Michigan using wastewater surveillance. <i>Science of the Total Environment</i> , 2022, 844, 157040.	3.9	31
320	Monitoring the evolution of SARS-CoV-2 on a Spanish university campus through wastewater analysis: A pilot project for the reopening strategy. <i>Science of the Total Environment</i> , 2022, 845, 157370.	3.9	12
321	Multifaceted Assessment of Wastewater-Based Epidemiology for SARS-CoV-2 in Selected Urban Communities in Davao City, Philippines: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8789.	1.2	5
322	Tracking Emergence and Spread of SARS-CoV-2 Omicron Variant in Large and Small Communities by Wastewater Monitoring in Alberta, Canada. <i>Emerging Infectious Diseases</i> , 2022, 28, 1770-1776.	2.0	15
323	Wastewater-based epidemiology: A Brazilian SARS-COV-2 surveillance experience. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108298.	3.3	15
325	Implications of COVID-19 on Public Policy, Supply Chain Disruptions, and Monitoring Methods. , 0, , .		0
327	Combining Community Wastewater Genomic Surveillance with State Clinical Surveillance: A Framework for SARS-CoV-2 Public Health Practice. <i>Food and Environmental Virology</i> , 2022, 14, 410-416.	1.5	4

#	ARTICLE	IF	CITATIONS
328	<scp>SARS-CoV</scp> air sampling: A systematic review on the methodologies for detection and infectivity. <i>Indoor Air</i> , 2022, 32, .	2.0	14
329	Whole genome sequencing of SARS-CoV-2 from wastewater links to individual cases in catchments. <i>Science of the Total Environment</i> , 2022, , 158266.	3.9	0
330	Wastewater-Based Surveillance Is an Effective Tool for Trending COVID-19 Prevalence in Communities: A Study of 10 Major Communities for 17 Months in Alberta. <i>ACS ES&T Water</i> , 2022, 2, 2243-2254.	2.3	10
331	Understanding the dynamic relation between wastewater SARS-CoV-2 signal and clinical metrics throughout the pandemic. <i>Science of the Total Environment</i> , 2022, 853, 158458.	3.9	19
332	Urban monitoring of antimicrobial resistance during a COVID-19 surge through wastewater surveillance. <i>Science of the Total Environment</i> , 2022, 853, 158577.	3.9	16
333	Correlation between SARS-CoV-2 RNA concentration in wastewater and COVID-19 cases in community: A systematic review and meta-analysis. <i>Journal of Hazardous Materials</i> , 2023, 441, 129848.	6.5	38
334	A State-of-the-Art Review on SARS-CoV-2 Virus Removal Using Different Wastewater Treatment Strategies. <i>Environments - MDPI</i> , 2022, 9, 110.	1.5	2
335	Estudo do esgoto de um municÃpio do sul de Minas Gerais: correlaÃo de variÃveis fÃsicas e quÃmicas, casos de COVID-19 e concentraÃo do RNA de SARS-CoV-2. <i>Engenharia Sanitaria E Ambiental</i> , 2022, 27, 967-974.	0.1	1
336	Assessing wastewater-based epidemiology for the prediction of SARS-CoV-2 incidence in Catalonia. <i>Scientific Reports</i> , 2022, 12, .	1.6	10
337	Sensor-based surveillance for digitising real-time COVID-19 tracking in the USA (DETECT): a multivariable, population-based, modelling study. <i>The Lancet Digital Health</i> , 2022, 4, e777-e786.	5.9	5
338	Wastewater-based epidemiology (WBE) for SARS-CoV-2 – A review focussing on the significance of the sewer network using a Dublin city catchment case study. <i>Water Science and Technology</i> , 2022, 86, 1402-1425.	1.2	7
340	Covid-19 Monitoring Using Wastewater-Based Epidemiology: The Promise and Peril of Seeking Useable Data in a Pandemic. <i>Lecture Notes in Civil Engineering</i> , 2023, , 443-447.	0.3	0
341	Wastewater surveillance in smaller college communities may aid future public health initiatives. <i>PLoS ONE</i> , 2022, 17, e0270385.	1.1	3
343	POSSIBLE IMPACTS OF COVID-19 PANDEMIC ON DOMESTIC WASTEWATER CHARACTERISTICS IN KUWAIT. <i>Journal of Environmental Engineering and Landscape Management</i> , 2022, 30, 393-411.	0.4	3
344	An opinion on Wastewater-Based Epidemiological Monitoring (WBEM) with Clinical Diagnostic Test (CDT) for detecting high-prevalence areas of community COVID-19 infections. <i>Current Opinion in Environmental Science and Health</i> , 2023, 31, 100396.	2.1	20
345	The Detection of Periodic Reemergence Events of SARS-CoV-2 Delta Strain in Communities Dominated by Omicron. <i>Pathogens</i> , 2022, 11, 1249.	1.2	7
346	SARS, MERS and COVID-19-Associated Renal Pathology. <i>Encyclopedia</i> , 2022, 2, 1710-1721.	2.4	1
347	Long-Term Wastewater Surveillance for SARS-CoV-2: One-Year Study in Brazil. <i>Viruses</i> , 2022, 14, 2333.	1.5	6

#	ARTICLE	IF	CITATIONS
348	Wastewater-Based Epidemiology for SARS-CoV-2 Biomarkers: Evaluation of Normalization Methods in Small and Large Communities in Southern Germany. <i>ACS ES&T Water</i> , 2022, 2, 2460-2470.	2.3	9
349	Detection of the SARS-CoV-2 Delta Variant in the Transboundary Rivers of Yunnan, China. <i>ACS ES&T Water</i> , 2022, 2, 2367-2377.	2.3	3
350	Assessment of two volumetrically different concentration approaches to improve sensitivities for SARS-CoV-2 detection during wastewater monitoring. <i>Journal of Virological Methods</i> , 2023, 311, 114645.	1.0	3
351	Development of quantitative wastewater surveillance models facilitated the precise epidemic management of COVID-19. <i>Science of the Total Environment</i> , 2023, 857, 159357.	3.9	2
352	Identification of a rare SARS-CoV-2 XL hybrid variant in wastewater and the subsequent discovery of two infected individuals in Nevada. <i>Science of the Total Environment</i> , 2023, 858, 160024.	3.9	5
353	Lineage abundance estimation for SARS-CoV-2 in wastewater using transcriptome quantification techniques. <i>Genome Biology</i> , 2022, 23, .	3.8	20
354	Degradation of viral RNA in wastewater complex matrix models and other standards for wastewater-based epidemiology: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116890.	5.8	7
355	Ozone based inactivation and disinfection in the pandemic time and beyond: Taking forward what has been learned and best practice. <i>Science of the Total Environment</i> , 2023, 862, 160711.	3.9	13
356	Evaluation of two different concentration methods for surveillance of human viruses in sewage and their effects on SARS-CoV-2 sequencing. <i>Science of the Total Environment</i> , 2023, 862, 160914.	3.9	7
357	Wastewater Surveillance for SARS-CoV-2 RNA in Canada. <i>Facets</i> , 2022, 7, 1493-1597.	1.1	5
358	The effects of COVID-19 on the water sector. <i>Frontiers in Environmental Science</i> , 0, 10, .	1.5	0
359	Comparison of RT-dPCR and RT-qPCR and the effects of freeze-thaw cycle and glycine release buffer for wastewater SARS-CoV-2 analysis. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
360	VirPool: model-based estimation of SARS-CoV-2 variant proportions in wastewater samples. <i>BMC Bioinformatics</i> , 2022, 23, .	1.2	4
361	Developing Biosensors for SARS-CoV-2 Wastewater-Based Epidemiology: A Systematic Review of Trends, Limitations and Future Perspectives. <i>Sustainability</i> , 2022, 14, 16761.	1.6	2
362	Leveraging an established neighbourhood-level, open access wastewater monitoring network to address public health priorities: a population-based study. <i>Lancet Microbe</i> , The, 2023, 4, e29-e37.	3.4	12
363	Viral Metagenomics as a Tool to Track Sources of Fecal Contamination: A One Health Approach. <i>Viruses</i> , 2023, 15, 236.	1.5	3
364	Simple Wastewater Preparation Protocol Applied to Monitor the Emergence of the Omicron 21L/BA.2 Variant by Genome Sequencing. <i>Viruses</i> , 2023, 15, 268.	1.5	2
365	COVID-19 surveillance in wastewater: An epidemiological tool for the monitoring of SARS-CoV-2. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	13

#	ARTICLE	IF	CITATIONS
366	Environmental surveillance of SARS-CoV-2 in municipal wastewater to monitor COVID-19 status in urban clusters in Malaysia. Archives of Microbiology, 2023, 205, .	1.0	3
367	Wastewater pandemic preparedness: Toward an end-to-end pathogen monitoring program. Frontiers in Public Health, 0, 11, .	1.3	8
368	Modified Banff Criteria in Assessing SARS-CoV-2-Associated Renal Pathology: An Autopsy Study. Cureus, 2023, , .	0.2	0
369	A critical assessment of SARS-CoV-2 in aqueous environment: Existence, detection, survival, wastewater-based surveillance, inactivation methods, and effective management of COVID-19. Chemosphere, 2023, 327, 138503.	4.2	6
370	Assessment and monitoring of human health risk during wastewater reuse. , 2023, , 255-270.		1
371	Contribution of wastewater-based epidemiology to SARS-CoV-2 screening in Brazil and the United States. Journal of Water and Health, 2023, 21, 343-353.	1.1	0
372	VIGEAI - VIGILÃ,NCIA EPIDEMIOLÃ“GICA AMBIENTAL INTEGRATIVA - LABORATÃ“RIO DE VIROLOGIA APLICADA DA UFSC â€“ BRASIL: BASES DA FERRAMENTA EPIDEMIOLÃ“GICA PARA O MONITORAMENTO VIRAL A PARTIR DO ESGOTO SANITÃRIO. , 2023, , 60-84.		0
373	Robust Performance of SARS-CoV-2 Whole-Genome Sequencing from Wastewater with a Nonselective Virus Concentration Method. ACS ES&T Water, 2023, 3, 954-962.	2.3	3
374	Ascertainment and biased testing rates in surveillance of emerging infectious diseases. , 2023, , 251-259.		0
375	Building-Level Detection Threshold of SARS-CoV-2 in Wastewater. Microbiology Spectrum, 2023, 11, .	1.2	8
376	Exploring possible strategies for treating SARS-CoV-2 in sewage wastewater: A review of current research and future directions. , 2023, 6, 100056.		0
377	Optimised protocol for monitoring SARS-CoV-2 in wastewater using reverse complement PCR-based whole-genome sequencing. PLoS ONE, 2023, 18, e0284211.	1.1	4
379	Activated sludge and UV-C ₂₅₄ for Sapovirus, Aichivirus, Astrovirus, and Adenovirus processing. International Journal of Environmental Health Research, 2024, 34, 1995-2014.	1.3	0
380	Application of wastewater-based surveillance and copula time-series model for COVID-19 forecasts. Science of the Total Environment, 2023, 885, 163655.	3.9	7
384	WBE: An Integral Part of Mass Surveillance of COVID-19?. Handbook of Environmental Chemistry, 2023, , .	0.2	0
390	Covid-19: Survival and Transmission in Wastewater and Sludge. Handbook of Environmental Chemistry, 2023, , .	0.2	0
391	Implementation of a National Wastewater Surveillance System in France as a Tool to Support Public Authorities During the Covid Crisis: The Obepine Project. Handbook of Environmental Chemistry, 2023, , .	0.2	0
399	Defining a research agenda for environmental wastewater surveillance of pathogens. Nature Medicine, 0, , .	15.2	0

#	ARTICLE	IF	CITATIONS
401	Paradigm Shift in Domestic Wastewater Treatment: Toward Energy Minimization, Greenhouse Gas Emission Reduction, and Resources Recovery. , 2023, , 211-237.		0
403	Expansion and diversification of wastewater-based epidemiology strategies in pandemic conditions to serve immediate public health goals. , 2023, , 219-236.		0
411	SARS-CoV-2 Detection and Genome Sequencing in Urban Wastewaters. Methods in Molecular Biology, 2024, , 119-131.	0.4	0