Coronavirus in water environments: Occurrence, persis - A scoping review

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Citation Report

#	Article	IF	CITATIONS
1	COVIDâ€19 and the water sector: understanding impact, preparedness and resilience in the UK through a sectorâ€wide survey. Water and Environment Journal, 2020, 34, 715-728.	2.2	27
2	Air pollution particulate matter as a potential carrier of SARS-CoV-2 to the nervous system and/or neurological symptom enhancer: arguments in favor. Environmental Science and Pollution Research, 2021, 28, 40371-40377.	5.3	25
3	Virus and chlorine adsorption onto guanidine modified cellulose nanofibers using covalent and hydrogen bonding. Carbohydrate Research, 2020, 498, 108153.	2.3	12
4	Decay of SARS-CoV-2 and surrogate murine hepatitis virus RNA in untreated wastewater to inform application in wastewater-based epidemiology. Environmental Research, 2020, 191, 110092.	7.5	285
5	Potential secondary transmission of SARS-CoV-2 via wastewater. Science of the Total Environment, 2020, 749, 142358.	8.0	42
6	Persistence of SARS-CoV-2 in Water and Wastewater. Environmental Science and Technology Letters, 2020, 7, 937-942.	8.7	318
7	Concentration methods for the quantification of coronavirus and other potentially pandemic enveloped virus from wastewater. Current Opinion in Environmental Science and Health, 2020, 17, 21-28.	4.1	78
8	A Critical Review on Ultraviolet Disinfection Systems against COVID-19 Outbreak: Applicability, Validation, and Safety Considerations. ACS Photonics, 2020, 7, 2941-2951.	6.6	273
9	Sewage as a Possible Transmission Vehicle During a Coronavirus Disease 2019 Outbreak in a Densely Populated Community: Guangzhou, China, April 2020. Clinical Infectious Diseases, 2021, 73, e1795-e1802.	5.8	47
10	First environmental surveillance for the presence of SARS-CoV-2 RNA in wastewater and river water in Japan. Science of the Total Environment, 2020, 737, 140405.	8.0	476
11	Modeling the Inactivation of Viruses from the <i>Coronaviridae</i> Family in Response to Temperature and Relative Humidity in Suspensions or on Surfaces. Applied and Environmental Microbiology, 2020, 86, .	3.1	51
12	Implications of SARS CoV-2 positivity in amniotic membranes for ophthalmologists. Eye, 2021, 35, 2058-2058.	2.1	0
13	Water systems and disruptions: the â€~old abnormal'?. Australian Journal of Water Resources, 2020, 24, 1-8.	2.7	6
14	An Analysis Review of Detection Coronavirus Disease 2019 (COVID-19) Based on Biosensor Application. Sensors, 2020, 20, 6764.	3.8	55
15	A comprehensive review of COVID-19 characteristics. Biological Procedures Online, 2020, 22, 19.	2.9	309
16	Understanding air and water borne transmission and survival of coronavirus: Insights and way forward for SARS-CoV-2. Science of the Total Environment, 2020, 749, 141486.	8.0	45
17	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.	6.7	67
18	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.	8.0	94

#	Article	IF	CITATIONS
19	Lockdown timing and efficacy in controlling COVID-19 using mobile phone tracking. EClinicalMedicine, 2020, 25, 100457.	7.1	141
20	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.	6.7	164
21	Environmental Integrants Affecting the Spreadability of SARS-CoV-12. Food and Environmental Virology, 2020, 12, 278-279.	3.4	1
22	Making waves: Wastewater-based epidemiology for COVID-19 – approaches and challenges for surveillance and prediction. Water Research, 2020, 186, 116404.	11.3	250
23	Changing human–ecosystem interactions during COVID-19 pandemic: reflections from an urban aquatic ecology perspective. Current Opinion in Environmental Sustainability, 2020, 46, 32-34.	6.3	4
24	How is COVID-19 Experience Transforming Sustainability Requirements of Residential Buildings? A Review. Sustainability, 2020, 12, 8732.	3.2	102
25	Persistence, transmission, and infectivity of SARS-CoV-2 in inanimate environments. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100047.	6.1	9
26	Soft matter science and the COVID-19 pandemic. Soft Matter, 2020, 16, 8310-8324.	2.7	51
27	Metagenomic Insights into the Sewage RNA Virosphere of a Large City. Viruses, 2020, 12, 1050.	3.3	22
28	Cold atmospheric plasma inactivation of aerosolized microdroplets containing bacteria and purified SARSâ€CoVâ€2 RNA to contrast airborne indoor transmission. Plasma Processes and Polymers, 2020, 17, 2000154.	3.0	66
29	Is the transmission of novel coronavirus disease (COVID-19) weather dependent?. Journal of the Air and Waste Management Association, 2020, 70, 1061-1064.	1.9	17
30	Rethinking wastewater risks and monitoring in light of the COVID-19 pandemic. Nature Sustainability, 2020, 3, 981-990.	23.7	195
31	Layer-by-Layer Nanocoating of Antiviral Polysaccharides on Surfaces to Prevent Coronavirus Infections. Molecules, 2020, 25, 3415.	3.8	25
32	Reflection on health-environment research in the light of emerging infectious diseases: modelling water quality and health. Current Opinion in Environmental Sustainability, 2020, 46, 8-10.	6.3	1
33	Prevention of SARS-CoV-2 Infection Among Police Officers in Poland—Implications for Public Health Policies. International Journal of Environmental Research and Public Health, 2020, 17, 9072.	2.6	6
34	Considerations on water quality and the use of chlorine in times of SARS-CoV-2 (COVID-19) pandemic in the community. Case Studies in Chemical and Environmental Engineering, 2020, 2, 100049.	6.1	48
35	Current emerging SARS-CoV-2 pandemic: Potential direct/indirect negative impacts of virus persistence and related therapeutic drugs on the aquatic compartments. Environmental Research, 2020, 188, 109808.	7.5	40
36	Preventing SARS-CoV-2 transmission in rehabilitation pools and therapeutic water environments. Journal of Hospital Infection, 2020, 105, 625-627.	2.9	19

#	Article	IF	CITATIONS
37	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.	8.0	405
38	Gas Plasma Technology—An Asset to Healthcare During Viral Pandemics Such as the COVID-19 Crisis?. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 391-399.	3.7	28
39	Potential spreading risks and disinfection challenges of medical wastewater by the presence of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) viral RNA in septic tanks of Fangcang Hospital. Science of the Total Environment, 2020, 741, 140445.	8.0	236
40	Snowballing transmission of COVID-19 (SARS-CoV-2) through wastewater: Any sustainable preventive measures to curtail the scourge in low-income countries?. Science of the Total Environment, 2020, 742, 140680.	8.0	88
41	Wastewater surveillance for Covid-19: An African perspective. Science of the Total Environment, 2020, 743, 140719.	8.0	76
42	Transmission of SARS-CoV-2 via fecal-oral and aerosols–borne routes: Environmental dynamics and implications for wastewater management in underprivileged societies. Science of the Total Environment, 2020, 743, 140709.	8.0	124
43	SARS-CoV-2 from faeces to wastewater treatment: What do we know? A review. Science of the Total Environment, 2020, 743, 140444.	8.0	321
44	COVID-19 from mysterious enemy to an environmental detection process: a critical review. Innovative Infrastructure Solutions, 2020, 5, 1.	2.2	10
45	SARS-CoV-2 in sewer systems and connected facilities. Chemical Engineering Research and Design, 2020, 143, 196-203.	5.6	75
46	SARS-CoV-2 viability under different meteorological conditions, surfaces, fluids and transmission between animals. Environmental Research, 2021, 192, 110293.	7.5	20
47	Coronavirus (SARS-CoV-2) in the environment: Occurrence, persistence, analysis in aquatic systems and possible management. Science of the Total Environment, 2021, 765, 142698.	8.0	53
48	#stayhome to contain Covid-19: Neuro-SIR – Neurodynamical epidemic modeling of infection patterns in social networks. Expert Systems With Applications, 2021, 165, 113970.	7.6	19
49	Leaving no stone unturned in light of the COVID-19 faecal-oral hypothesis? A water, sanitation and hygiene (WASH) perspective targeting low-income countries. Science of the Total Environment, 2021, 753, 141751.	8.0	93
50	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.	8.0	34
51	Concerns and strategies for wastewater treatment during COVID-19 pandemic to stop plausible transmission. Resources, Conservation and Recycling, 2021, 164, 105156.	10.8	90
52	The impact of COVID 19 on air pollution levels and other environmental indicators - A case study of Egypt. Journal of Environmental Management, 2021, 277, 111496.	7.8	99
53	Quantitative analysis of SARS-CoV-2 RNA from wastewater solids in communities with low COVID-19 incidence and prevalence. Water Research, 2021, 188, 116560.	11.3	297
54	Benchmarking virus concentration methods for quantification of SARS-CoV-2 in raw wastewater. Science of the Total Environment, 2021, 755, 142939.	8.0	110

#	Article	IF	CITATIONS
55	Assessment of socioeconomic inequality based on virus-contaminated water usage in developing countries: A review. Environmental Research, 2021, 192, 110309.	7.5	80
56	SARS-CoV-2 RNA detection and persistence in wastewater samples: An experimental network for COVID-19 environmental surveillance in Padua, Veneto Region (NE Italy). Science of the Total Environment, 2021, 760, 143329.	8.0	75
57	Epidemiology and diagnosis, environmental resources quality and socio-economic perspectives for COVID-19 pandemic. Journal of Environmental Management, 2021, 280, 111700.	7.8	53
58	Recovering coronavirus from large volumes of water. Science of the Total Environment, 2021, 762, 143101.	8.0	19
59	Liquid-liquid extraction of viral particles with ionic liquids. Separation and Purification Technology, 2021, 254, 117591.	7.9	7
60	Preparing for outbreaks – Implications for resilient water utility operations and services. Sustainable Cities and Society, 2021, 64, 102558.	10.4	26
61	Possible transmission of viruses from contaminated human feces and sewage: Implications for SARS-CoV-2. Science of the Total Environment, 2021, 755, 142575.	8.0	72
62	SARS-CoV-2 in water services: Presence and impacts. Environmental Pollution, 2021, 268, 115806.	7.5	50
63	Coronavirus 2 (SARS-CoV-2) in water environments: Current status, challenges and research opportunities. Journal of Water Process Engineering, 2021, 39, 101735.	5.6	19
64	Detection and quantification of SARS-CoV-2 RNA in wastewater and treated effluents: Surveillance of COVID-19 epidemic in the United Arab Emirates. Science of the Total Environment, 2021, 764, 142929.	8.0	129
65	Pit latrines may be a potential risk in rural China and low-income countries when dealing with COVID-19. Science of the Total Environment, 2021, 761, 143283.	8.0	12
66	SARS-CoV-2 in environmental perspective: Occurrence, persistence, surveillance, inactivation and challenges. Chemical Engineering Journal, 2021, 405, 126893.	12.7	104
67	A comprehensive study of COVID-19 in wastewater. , 2021, , 115-144.		1
68	Readiness Assessment of Green Building Certification Systems for Residential Buildings during Pandemics. Sustainability, 2021, 13, 460.	3.2	32
69	Presence of SARS-CoV-2 RNA on playground surfaces and water fountains. Epidemiology and Infection, 2021, 149, e67.	2.1	19
70	The evaluation of Avian Influenza and Coronavirus as Human Pathogenic Enveloped Viruses for Possible Health Risk in Seafood: A Review. Journal of Anatolian Environmental and Animal Sciences, 0, ,	0.7	2
71	Spatial distribution, multivariate statistical analysis, and health risk assessment of some parameters controlling drinking water quality at selected primary schools located in the southwestern coastal region of Bangladesh. Toxin Reviews, 2022, 41, 247-260.	3.4	17
72	SARS-CoV-2 and COVID-19: A perspective from environmental virology. Genetics and Molecular Biology, 2021, 44, e20200228.	1.3	2

#	Article	IF	CITATIONS
73	SARS-CoV-2 as Enteric Virus in Wastewater: Which Risk on the Environment and Human Behavior?. Microbiology Insights, 2021, 14, 117863612199967.	2.0	11
74	COVID-19 AND SURFING: PROBLEMS, STRATEGIES AND SOLUTIONS FOR SURFERS. Revista Brasileira De Medicina Do Esporte, 2021, 27, 11-15.	0.2	3
75	Water and wastewater as potential sources of SARS-CoV-2 transmission: a systematic review. Reviews on Environmental Health, 2021, 36, 309-317.	2.4	13
76	Rapid Assessment of SARS-CoV-2 Transmission Risk for Fecally Contaminated River Water. ACS ES&T Water, 2021, 1, 949-957.	4.6	38
77	Size- and Time-Dependent Particle Removal Efficiency of Face Masks and Improvised Respiratory Protection Equipment Used during the COVID-19 Pandemic. Sensors, 2021, 21, 1567.	3.8	7
78	SARS-CoV-2 existence in sewage and wastewater: A global public health concern?. Journal of Environmental Management, 2021, 280, 111825.	7.8	34
79	Can Covid-19 in Wastewater Be Removed by Membrane Processes? A brief review. Journal of Anatolian Environmental and Animal Sciences, 0, , .	0.7	0
80	SARS-CoV-2 from Urban to Rural Water Environment: Occurrence, Persistence, Fate, and Influence on Agriculture Irrigation. A Review. Water (Switzerland), 2021, 13, 764.	2.7	22
83	Microbicidal actives with virucidal efficacy against SARS-CoV-2 and other beta- and alpha-coronaviruses and implications for future emerging coronaviruses and other enveloped viruses. Scientific Reports, 2021, 11, 5626.	3.3	45
84	Wastewater-based epidemiology as a useful tool to track SARS-CoV-2 and support public health policies at municipal level in Brazil. Water Research, 2021, 191, 116810.	11.3	161
85	Exposure Profile of Severe Acute Respiratory Syndrome Coronavirus 2 in Canadian Food Sources. Journal of Food Protection, 2021, 84, 1295-1303.	1.7	9
86	SARS-CoV-2: sewage surveillance as an early warning system and challenges in developing countries. Environmental Science and Pollution Research, 2021, 28, 22221-22240.	5.3	38
87	Sewage, Salt, Silica, and SARS-CoV-2 (4S): An Economical Kit-Free Method for Direct Capture of SARS-CoV-2 RNA from Wastewater. Environmental Science & Technology, 2021, 55, 4880-4888.	10.0	72
88	Coronavirus (COVID-19), environmental safety, and the dynamics of soil management. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2021, 71, 261-265.	0.6	1
89	Systematic Review of Life Cycle Assessment and Life Cycle Cost Analysis for Pavement and a Case Study. Sustainability, 2021, 13, 4377.	3.2	31
90	Surveillance of Wastewater for Early Epidemic Prediction (SWEEP): Environmental and health security perspectives in the post COVID-19 Anthropocene. Environmental Research, 2021, 195, 110831.	7.5	30
91	Efficient detection of SARS-CoV-2 RNA in the solid fraction of wastewater. Science of the Total Environment, 2021, 763, 144587.	8.0	116
92	Approaches applied to detect SARS-CoV-2 in wastewater and perspectives post-COVID-19. Journal of Water Process Engineering, 2021, 40, 101947.	5.6	46

#	Article	IF	CITATIONS
93	The role of clogging in intermittent sand filter (ISF) performance in treating rural wastewater retention pond effluent. Journal of Cleaner Production, 2021, 294, 126309.	9.3	11
94	SARS-CoV-2: fate in water environments and sewage surveillance as an early warning system. Water Science and Technology, 2021, 84, 1-15.	2.5	9
95	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. International Journal of Hygiene and Environmental Health, 2021, 233, 113692.	4.3	42
96	Design of mass burial sites for safe and dignified disposal of pandemic fatalities. Environmental Geotechnics, 2021, 8, 208-216.	2.3	5
97	Transmission of COVID-19 in 282 clusters in Catalonia, Spain: a cohort study. Lancet Infectious Diseases, The, 2021, 21, 629-636.	9.1	303
98	Recovery of SARS-CoV-2 from Wastewater Using Centrifugal Ultrafiltration. Methods and Protocols, 2021, 4, 32.	2.0	5
99	Efficacy of Electrically-Polarized 3D Printed Graphene-blended Spacers on the Flux Enhancement and Scaling Resistance of Water Filtration Membranes. ACS Sustainable Chemistry and Engineering, 2021, 9, 6623-6631.	6.7	11
100	The detection and stability of the SARS-CoV-2 RNA biomarkers in wastewater influent in Helsinki, Finland. Science of the Total Environment, 2021, 770, 145274.	8.0	111
101	Surveillance of SARS-CoV-2 spread using wastewater-based epidemiology: Comprehensive study. Science of the Total Environment, 2021, 768, 144704.	8.0	71
102	Early warning of COVID-19 via wastewater-based epidemiology: potential and bottlenecks. Science of the Total Environment, 2021, 767, 145124.	8.0	126
104	Transmission modes of COVID-19 disease pandemic in the light of ancient wisdom of Ayurveda medicine: a review. Journal of Complementary and Integrative Medicine, 2022, 19, 71-82.	0.9	1
105	Wastewater-Based Epidemiology as an Early Warning System for the Spreading of SARS-CoV-2 and Its Mutations in the Population. International Journal of Environmental Research and Public Health, 2021, 18, 5629.	2.6	15
106	Viability of SARS-CoV-2 in river water and wastewater at different temperatures and solids content. Water Research, 2021, 195, 117002.	11.3	88
107	Enhancing biological nitrogen removal for a retrofit project using wastewater with a low C/N ratio—a model-based study. Environmental Science and Pollution Research, 2021, 28, 53074-53086.	5.3	6
108	Make it clean, make it safe: A review on virus elimination via adsorption. Chemical Engineering Journal, 2021, 412, 128682.	12.7	40
110	Breathing, speaking, coughing or sneezing: What drives transmission of SARS oVâ€2?. Journal of Internal Medicine, 2021, 290, 1010-1027.	6.0	97
111	Hospital wastewater as a source of environmental contamination: An overview of management practices, environmental risks, and treatment processes. Journal of Water Process Engineering, 2021, 41, 101990.	5.6	73
112	Tailoring the Surface Properties of Micro/Nanofibers Using 0D, 1D, 2D, and 3D Nanostructures: A Review on Postâ€Modification Methods. Advanced Materials Interfaces, 2021, 8, 2100430.	3.7	42

#	ARTICLE	IF	CITATIONS
114	Several forms of SARS-CoV-2 RNA can be detected in wastewaters: Implication for wastewater-based epidemiology and risk assessment. Water Research, 2021, 198, 117183.	11.3	120
115	Municipal wastewater viral pollution in Saudi Arabia: effect of hot climate on COVID-19 disease spreading. Environmental Science and Pollution Research, 2023, 30, 25050-25057.	5.3	13
116	A critical review on SARS-CoV-2 infectivity in water and wastewater. What do we know?. Science of the Total Environment, 2021, 774, 145721.	8.0	97
117	The improved evaporation efficiency of a hot-bubble pilot plant (HBPP) caused by combustion gas for water treatment. Water Resources and Industry, 2021, 25, 100151.	3.9	4
118	Advanced Oxidation Processes for Water and Wastewater Viral Disinfection. A Systematic Review. Food and Environmental Virology, 2021, 13, 283-302.	3.4	60
120	The unfurl of the coronavirus and its thwack on humans and the environment: a review. Current Opinion in Environmental Science and Health, 2021, 24, 100289.	4.1	3
121	Polymer monoliths for the concentration of viruses from environmental waters: A review. Journal of Separation Science, 2022, 45, 134-148.	2.5	4
122	Impacts of COVID-19 pandemic on the wastewater pathway into surface water: A review. Science of the Total Environment, 2021, 774, 145586.	8.0	54
123	Novel coronavirus disease 2019 (COVID-19) pandemic: From transmission to control with an interdisciplinary vision. Environmental Research, 2021, 197, 111126.	7.5	73
124	Quantitative Evaluation of Single-Use Particle Filtering Half Masks for SARS-CoV-2 Protection. Applied Biosafety, 2021, 26, 58-65.	0.5	Ο
126	Evaluating recovery, cost, and throughput of different concentration methods for SARS-CoV-2 wastewater-based epidemiology. Water Research, 2021, 197, 117043.	11.3	130
127	Photo-assisted electrochemical advanced oxidation processes for the disinfection of aqueous solutions: A review. Chemosphere, 2021, 274, 129957.	8.2	48
128	Environmental stability of porcine respiratory coronavirus in aquatic environments. PLoS ONE, 2021, 16, e0254540.	2.5	9
129	Can shellfish be used to monitor SARS-CoV-2 in the coastal environment?. Science of the Total Environment, 2021, 778, 146270.	8.0	33
130	Occurrence of various viruses and recent evidence of SARS-CoV-2 in wastewater systems. Journal of Hazardous Materials, 2021, 414, 125439.	12.4	44
131	Detecting SARS-CoV-2 RNA prone clusters in a municipal wastewater network using fuzzy-Bayesian optimization model to facilitate wastewater-based epidemiology. Science of the Total Environment, 2021, 778, 146294.	8.0	18
132	Fabrics Attached with Highly Efficient Aggregation-Induced Emission Photosensitizer: Toward Self-Antiviral Personal Protective Equipment. ACS Nano, 2021, 15, 13857-13870.	14.6	38
133	Coronavirus: occurrence, surveillance, and persistence in wastewater. Environmental Monitoring and Assessment, 2021, 193, 508.	2.7	6

#	Article	IF	CITATIONS
134	Global occurrence of SARS-CoV-2 in environmental aquatic matrices and its implications for sanitation and vulnerabilities in Brazil and developing countries. International Journal of Environmental Health Research, 2022, 32, 2160-2199.	2.7	2
135	Analysis and Evaluation of Non-Pharmaceutical Interventions on Prevention and Control of COVID-19: A Case Study of Wuhan City. ISPRS International Journal of Geo-Information, 2021, 10, 480.	2.9	2
136	Geographical and Epidemiological Characteristics of Sporadic Coronavirus Disease 2019 Outbreaks From June to December 2020 in China: An Overview of Environment-To-Human Transmission Events. Frontiers in Medicine, 2021, 8, 654422.	2.6	6
137	Methods Evaluation for Rapid Concentration and Quantification of SARS-CoV-2 in Raw Wastewater Using Droplet Digital and Quantitative RT-PCR. Food and Environmental Virology, 2021, 13, 303-315.	3.4	49
138	Wastewater-Based Epidemiology for Community Monitoring of SARS-CoV-2: Progress and Challenges. ACS Environmental Au, 2021, 1, 18-31.	7.0	33
139	SARS-CoV-2 and other viruses in soil: An environmental outlook. Environmental Research, 2021, 198, 111297.	7.5	36
142	The impact of coronavirus SARS-CoV-2 (COVID-19) in water: potential risks. Environmental Science and Pollution Research, 2021, 28, 52651-52674.	5.3	16
143	Detection of <i>Cryptosporidium Parvum</i> Oocysts in Artificially Contaminated Filter Backwash Water and Ozone Treatment at Pilot Scale. Ozone: Science and Engineering, 2022, 44, 426-437.	2.5	4
144	Decay of infectious SARS-CoV-2 and surrogates in aquatic environments. Water Research, 2021, 201, 117090.	11.3	66
145	Coronavirus in water media: Analysis, fate, disinfection and epidemiological applications. Journal of Hazardous Materials, 2021, 415, 125580.	12.4	50
146	Defining the methodological approach for wastewater-based epidemiological studies—Surveillance of SARS-CoV-2. Environmental Technology and Innovation, 2021, 23, 101696.	6.1	20
147	Comparison of Detecting and Quantitating SARS-CoV-2 in Wastewater Using Moderate-Speed Centrifuged Solids versus an Ultrafiltration Method. Water (Switzerland), 2021, 13, 2166.	2.7	9
148	The presence of SARS-CoV-2 RNA in different freshwater environments in urban settings determined by RT-qPCR: Implications for water safety. Science of the Total Environment, 2021, 784, 147183.	8.0	49
149	Molecular Epidemiology of SARS-CoV-2 in Diverse Environmental Samples Globally. Microorganisms, 2021, 9, 1696.	3.6	10
150	Wastewater-Based Epidemiology of Enteric Viruses and Surveillance of Acute Gastrointestinal Illness Outbreaks in a Resource-Limited Region. American Journal of Tropical Medicine and Hygiene, 2021, 105, 1004-1012.	1.4	13
151	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. Pathogens, 2021, 10, 1008.	2.8	30
152	Environmental externalities of the COVID-19 lockdown: Insights for sustainability planning in the Anthropocene. Science of the Total Environment, 2021, 783, 147015.	8.0	24
153	Viruses in fermented foods: are they good or bad? Two sides of the same coin. Food Microbiology, 2021, 98, 103794.	4.2	18

ARTICLE IF CITATIONS Emerging contaminants, SARS-COV-2 and wastewater treatment plants, new challenges to confront: A 154 2.7 17 short review. Bioresource Technology Reports, 2021, 15, 100731. An optimized and robust PEG precipitation method for detection of SARS-CoV-2 in wastewater. Science 8.0 of the Total Environment, 2021, 785, 147270. Capacity of existing wastewater treatment plants to treat SARS-CoV-2. A review. Bioresource 156 2.7 13 Technology Reports, 2021, 15, 100737. Comparison of approaches to quantify SARS-CoV-2 in wastewater using RT-qPCR: Results and implications from a collaborative inter-laboratory study in Canada. Journal of Environmental 6.1 Sciences, 2021, 107, 218-229. A Global Overview of SARS-CoV-2 in Wastewater: Detection, Treatment, and Prevention. ACS ES&T 158 4.6 8 Water, 2021, 1, 2174-2185. Potential threat of SARS-CoV-2 in coastal waters. Ecotoxicology and Environmental Safety, 2021, 220, 6.0 112409. COVID-19 outbreak in North Macedonia: an overview of its impact on dentistry. Minerva Dental and 160 1.0 8 Oral Science, 2022, 71, . The role of airborne particles and environmental considerations in the transmission of SARS-CoV-2. 161 8.4 Geoscience Frontiers, 2021, 12, 101189. High cryo-resistance of SARS-CoV-2 virus: Increased risk of re-contamination at transplantation of 162 0.7 4 cryopreserved ovarian tissue after COVID-19 pandemic. Cryobiology, 2021, 103, 1-6. Using OMRA to understand possible exposure risks of SARS-CoV-2 from the water environment. 5.3 Environmental Science and Pollution Research, 2022, 29, 7240-7253. Challenges to detect SARS-CoV-2 on environmental media, the need and strategies to implement the detection methodologies in wastewaters. Journal of Environmental Chemical Engineering, 2021, 9, 164 2 6.7 105881. A scenario-based approach for urban water management in the context of the COVID-19 pandemic and a 8.0 44 case study for the Tabriz metropolitan area, Iran. Science of the Total Environment, 2021, 790, 148272. The occurrence and control of waterborne viruses in drinking water treatment: A review. 166 8.2 36 Chemosphere, 2021, 281, 130728. The COVID-19 pandemic and its implications on the environment. Environmental Research, 2021, 201, 111648. A year into the COVID-19 pandemic: Rethinking of wastewater monitoring as a preemptive approach. 168 6.7 26 Journal of Environmental Chemical Engineering, 2021, 9, 106063. An alternative approach for bioanalytical assay optimization for wastewater-based epidemiology of SARS-CoV-2. Science of the Total Environment, 2021, 789, 148043. SARS-CoV-2 detection in wastewater using multiplex quantitative PCR. Science of the Total 170 8.0 19 Environment, 2021, 797, 148890. Evaluation of low-cost viral concentration methods in wastewaters: Implications for SARS-CoV-2 171 2.1 pandemic surveillances. Journal of Virological Methods, 2021, 297, 114249.

#		IF	CITATIONS
#		11	CHAHONS
172	City-level SARS-CoV-2 sewage surveillance. Chemosphere, 2021, 283, 131194.	8.2	28
173	Prevalence of SARS-CoV-2 genes in water reclamation facilities: From influent to anaerobic digester. Science of the Total Environment, 2021, 796, 148905.	8.0	11
174	Performance evaluation of virus concentration methods for implementing SARS-CoV-2 wastewater based epidemiology emphasizing quick data turnaround. Science of the Total Environment, 2021, 801, 149656.	8.0	37
175	Lessons learned from SARS-CoV-2 measurements in wastewater. Science of the Total Environment, 2021, 798, 149177.	8.0	36
176	Co-occurring indicator pathogens for SARS-CoV-2: A review with emphasis on exposure rates and treatment technologies. Case Studies in Chemical and Environmental Engineering, 2021, 4, 100113.	6.1	14
177	Change in the chemical content of untreated wastewater of Athens, Greece under COVID-19 pandemic. Science of the Total Environment, 2021, 799, 149230.	8.0	61
178	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. Journal of Environmental Management, 2021, 299, 113563.	7.8	37
179	SARS-CoV-2 and other pathogens in municipal wastewater, landfill leachate, and solid waste: A review about virus surveillance, infectivity, and inactivation. Environmental Research, 2022, 203, 111839.	7.5	75
180	Bioaerosolization and pathogen transmission in wastewater treatment plants: Microbial composition, emission rate, factors affecting and control measures. Chemosphere, 2022, 287, 132180.	8.2	19
182	The Disposal of COVID-19 Dead Bodies: The Impact of Sri Lanka's Response on Fundamental Rights. SSRN Electronic Journal, 0, , .	0.4	0
184	Increase in Daily Household Water Demand during the First Wave of the Covid-19 Pandemic in Germany. Water (Switzerland), 2021, 13, 260.	2.7	66
185	A review of the impact of environmental factors on the fate and transport of coronaviruses in aqueous environments. Npj Clean Water, 2021, 4, .	8.0	35
186	Novel wastewater surveillance strategy for early detection of coronavirus disease 2019 hotspots. Current Opinion in Environmental Science and Health, 2020, 17, 8-13.	4.1	88
187	Implementation of environmental surveillance for SARS-CoV-2 virus to support public health decisions: Opportunities and challenges. Current Opinion in Environmental Science and Health, 2020, 17, 49-71.	4.1	255
188	Tracking COVID-19 via sewage. Current Opinion in Gastroenterology, 2021, 37, 4-8.	2.3	15
201	Ocular surface assessment in times of sanitary crisis: What lessons and solutions for the present and the future?. European Journal of Ophthalmology, 2021, 31, 807-816.	1.3	2
204	Sewage surveillance for the presence of SARS-CoV-2 genome as a useful wastewater based epidemiology (WBE) tracking tool in India. Water Science and Technology, 2020, 82, 2823-2836.	2.5	129
205	SARS-CoV-2 / COVID-19 and its Transmission, Prevention, Treatment and Control - An Update. Journal of Pure and Applied Microbiology, 2020, 14, 945-956.	0.9	2

	Citation Rei	PORT	
Article		IF	CITATIONS
COVID-19 and Living space challenge. Well-being and Public Health recommendations for a healthy safe, and sustainable housing. Acta Biomedica, 2020, 91, 61-75.	'2	0.3	91
Can Aerosols and Wastewater be Considered as Potential Transmissional Sources of COVID-19 to Humans?. European Journal of Environment and Public Health, 2020, 4, em0047.		2.0	20
Characterization of Severe Acute Respiratory Syndrome Coronavirus 2 Stability in Multiple Water Matrices. Journal of Korean Medical Science, 2020, 35, .		2.5	9
Could Water and Sanitation Shortfalls Exacerbate SARS-CoV-2 Transmission Risks?. American Journ of Tropical Medicine and Hygiene, 2020, 103, 554-557.	al	1.4	20
SARS–CoV–2 and Food—How Confident Are We about Them?. Hygiene, 2021, 1, 80-98.		1.7	1
SARSâ€CoVâ€2 prevalence and transmission in swimming activities: Results from a retrospective co study. Scandinavian Journal of Medicine and Science in Sports, 2022, 32, 242-254.	ohort	2.9	3
Self-Driven Pretreatment and Room-Temperature Storage of Water Samples for Virus Detection Usi Enhanced Porous Superabsorbent Polymer Beads. Environmental Science & Technology, 2021 14059-14068.	ing , 55,	10.0	3
Coronaviruses and SARS-CoV-2 in sewerage and their removal: Step by step in wastewater treatment plants. Environmental Research, 2022, 207, 112204.	nt	7.5	27
Persistence and occurrence of SARS-CoV-2 in water and wastewater environments: a review of the current literature. Environmental Science and Pollution Research, 2022, 29, 85658-85668.		5.3	18
SARS-CoV-2 surveillance in untreated wastewater: detection of viral RNA in a low-resource community in Buenos Aires, Argentina. Revista Panamericana De Salud Publica/Pan American Journa Public Health, 2021, 45, 1.	al of	1.1	16
COVID-19: A review of newly formed viral clades, pathophysiology, therapeutic strategies and curre vaccination tasks. International Journal of Biological Macromolecules, 2021, , .	nt	7.5	14
Food Safety, COVID-19 and Laboratory Testing. Interventions in Obesity & Diabetes, 2020, 4, .		0.0	0
Concise Review: SARS-CoV-2 Persistence in the Environment and Its Sensitivity to Biocides. Medical University, 2020, 3, 61-65.	I	0.2	0
Surveillance of SARS-CoV-2 in extensive monitoring of municipal wastewater: key issues to yield reliable results. Water Science and Technology, 2021, 84, 3508-3514.		2.5	6
CORONAVIRUS AND THE SANITARY CONDITIONS: A REVIEW. , 0, , .			0
25 - Considerações sobre a possibilidade de transmissão fecal-oral da Covid-19. , 2021, , 413-4	18.		0
Defining biological and biophysical properties of SARS-CoV-2 genetic material in wastewater. Science of the Total Environment, 2022, 807, 150786.	се	8.0	36

224	SARS-CoV-2 Transmission Channels: A Review of the Literature. MEDICC Review, 2020, 22, 51-69.	0.7	17
-----	---	-----	----

#

#	Article	IF	CITATIONS
225	The Disposal of COVID-19 Dead Bodies: Impact of Sri Lanka's Response on Fundamental Rights. Journal of Human Rights Practice, 2022, 13, 669-689.	0.5	4
226	Coronavirus (SARS-CoV-2) in gastroenterology and its current epidemiological situation: An updated review until January 2021. EXCLI Journal, 2021, 20, 366-385.	0.7	3
228	Adsorpsiyon ile Virüslerin Giderilmesine İlişkin Bir İnceleme. Journal of Polytechnic, 0, , .	0.7	1
229	A reduced graphene oxide-Fe3O4 composite functionalized with cetyltrimethylammonium bromide for efficient adsorption of SARS-CoV-2 spike pseudovirus and human enteric viruses. Chemosphere, 2022, 291, 132995.	8.2	10
230	An overview of solutions for airborne viral transmission reduction related to HVAC systems including liquid desiccant air-scrubbing. Energy, 2022, 244, 122709.	8.8	6
231	Intestinal viral infections of nSARSâ€CoV2 in the Indian community: Risk of virus spread in India. Journal of Medical Virology, 2022, 94, 1315-1329.	5.0	3
232	Number of COVID-19 Cases Required in a Population to Detect SARS-CoV-2 RNA in Wastewater in the Province of Alberta, Canada: Sensitivity Assessment. SSRN Electronic Journal, 0, , .	0.4	0
233	Water Everywhere – But Is it Safe to Drink?. , 2021, , 85-113.		0
234	Interaction between bioaccumulation and the efficiency of intermittent sand filters in wastewater treatment. Journal of Cleaner Production, 2022, 335, 130303.	9.3	4
235	Indirect effects of COVID-19 on the environment: How deep and how long?. Science of the Total Environment, 2022, 810, 152255.	8.0	16
236	Virus detection methods for different kinds of food and water samples – The importance of molecular techniques. Food Control, 2022, 134, 108764.	5.5	11
237	COVID-19 PANDEMIC IN BRAZIL: NO COMPLIANCE OF POLICIES AND AGGRAVATING ELEMENTS FOR VULNERABLE POPULATION AND ECOSYSTEMS. Interfaces CientÃficas - Saúde E Ambiente, 2020, 8, 405-417.	0.0	0
238	Swimming during COVID-19: Operational recommendations and considerations for South African swimming venues. SA Sports Medicine, 2020, 32, 1-3.	0.3	0
239	Challenges and emerging perspectives of an international SARS-CoV-2 epidemiological surveillance in wastewater. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20210163.	0.8	2
240	Bactericidal Efficacy of "Antibacterial (Jokin) " Products. Japanese Journal of Environmental Infections, 2021, 36, 157-160.	0.1	0
241	Environmental impacts of the widespread use of chlorine-based disinfectants during the COVID-19 pandemic. Environmental Science and Pollution Research, 2022, 29, 85742-85760.	5.3	42
242	A Review on the Potential of Common Disinfection Processes for the Removal of Virus from Wastewater. International Journal of Environmental Research, 2022, 16, 9.	2.3	9
243	Understanding Household Water-Use Behavior and Consumption Patterns during COVID-19 Lockdown in Saudi Arabia. Water (Switzerland), 2022, 14, 314.	2.7	23

#	Article	IF	CITATIONS
244	Laser-Induced Graphene (LIG) as a Smart and Sustainable Material to Restrain Pandemics and Endemics: A Perspective. ACS Omega, 2022, 7, 5112-5130.	3.5	26
245	SARS-CoV-2 in wastewater: From detection to evaluation. Materials Today Advances, 2022, 13, 100211.	5.2	15
246	Recover the food-energy-water nexus from COVID-19 under Sustainable Development Goals acceleration actions. Science of the Total Environment, 2022, 817, 153013.	8.0	15
247	A novel approach to concentrate human and animal viruses from wastewater using receptors-conjugated magnetic beads. Water Research, 2022, 212, 118112.	11.3	10
248	Persistence of SARS-CoV-2 RNA in wastewater after the end of the COVID-19 epidemics. Journal of Hazardous Materials, 2022, 429, 128358.	12.4	38
249	An assessment of hospital wastewater and biomedical waste generation, existing legislations, risk assessment, treatment processes, and scenario during COVID-19. Journal of Environmental Management, 2022, 308, 114609.	7.8	47
250	Water and wastewater digital surveillance for monitoring and early detection of the COVID-19 hotspot: industry 4.0. International Journal of Environmental Science and Technology, 2023, 20, 1095-1112.	3.5	8
251	Water Contamination, Households' Risk Perceptions, and Averting Behavior: Evidence from the Nullah Lai, Rawalpindi, Pakistan. Journal of Asian and African Studies, 2023, 58, 1111-1125.	1.5	1
252	One-year surveillance of SARS-CoV-2 in wastewater from vulnerable urban communities in metropolitan São Paulo, Brazil. Journal of Water and Health, 2022, 20, 471-490.	2.6	14
254	Quantification of human enteric viruses as alternative indicators of fecal pollution to evaluate wastewater treatment processes. PeerJ, 2022, 10, e12957.	2.0	5
255	A safe haven of SARS-CoV-2 in the environment: Prevalence and potential transmission risks in the effluent, sludge, and biosolids. Geoscience Frontiers, 2022, 13, 101373.	8.4	9
256	Novel Coronavirus (SARS-CoV-2) in Water and Environment—A Scoping Review. Life, 2022, 12, 520.	2.4	1
257	Biosensors for the detection of disease outbreaks through wastewater-based epidemiology. TrAC - Trends in Analytical Chemistry, 2022, 155, 116585.	11.4	24
258	Evaluation of cytogenotoxic potential and embryotoxicity of KRS-Cauvery River water in zebrafish (Danio rerio). Ecotoxicology and Environmental Safety, 2022, 233, 113320.	6.0	12
259	Game of transmissions (GoT) of SARS-CoV-2: Second wave of COVID-19 is here in India. Current Opinion in Environmental Science and Health, 2022, 27, 100355.	4.1	1
260	Identification coronavirus (SARS-CoV-2) and physicochemical qualities in various water sources and the efficiency of water treatment plants in their removal- case study: Northwest region of Iran. Applied Water Science, 2022, 12, 89.	5.6	7
261	Development of passive samplers for the detection of SARS-CoV-2 in sewage and seawater: Application for the monitoring of sewage. Science of the Total Environment, 2022, 833, 155139.	8.0	12
262	A review on the contamination of SARS-CoV-2 in water bodies: Transmission route, virus recovery and recent biosensor detection techniques. Sensing and Bio-Sensing Research, 2022, 36, 100482.	4.2	7

	CITATION	CITATION REPORT	
#	Article	IF	CITATIONS
263	The role of pipe biofilms on dissemination of viral pathogens and virulence factor genes in a full-scale drinking water supply system. Journal of Hazardous Materials, 2022, 432, 128694.	12.4	4
264	Influence of wastewater treatment technologies on virus removal under a bibliometric-statistical analysis. Journal of Water Process Engineering, 2022, 47, 102642.	5.6	8
266	Absence of virological and epidemiological evidence that SARS-CoV-2 poses COVID-19 risks from environmental fecal waste, wastewater and water exposures. Journal of Water and Health, 2022, 20, 126-138.	2.6	25
267	Monitoring the Viral Transmission of SARS-CoV-2 in Still Waterbodies Using a Lanthanide-Doped Carbon Nanoparticle-Based Sensor Array. ACS Sustainable Chemistry and Engineering, 2022, 10, 245-258.	6.7	17
269	Wastewater-Based SARS-CoV-2 Surveillance in Northern New England. Microbiology Spectrum, 2022, 10, e0220721.	3.0	8
270	Potential SARS-CoV-2 contamination of groundwater as a result of mass burial: A mini-review. Science of the Total Environment, 2022, 835, 155473.	8.0	7
271	Tuning riboflavin derivatives for photodynamic inactivation of pathogens. Scientific Reports, 2022, 12, 6580.	3.3	11
273	Emerging investigator series: meta-analyses on SARS-CoV-2 viral RNA levels in wastewater and their correlations to epidemiological indicators. Environmental Science: Water Research and Technology, 2022, 8, 1391-1407.	2.4	5
275	Improved methods for the detection and quantification of SARS-CoV-2 RNA in wastewater. Scientific Reports, 2022, 12, 7201.	3.3	8
276	Number of COVID-19 cases required in a population to detect SARS-CoV-2 RNA in wastewater in the province of Alberta, Canada: Sensitivity assessment. Journal of Environmental Sciences, 2023, 125, 843-850.	6.1	17
277	Sensitive SARS-CoV-2 detection in wastewaters using a carbon nanodot-amplified electrochemiluminescence immunosensor. Talanta, 2022, 247, 123543.	5.5	6
278	Effects of the COVID-19 pandemic on the environment, waste management, and energy sectors: a deeper look into the long-term impacts. Environmental Science and Pollution Research, 2022, 29, 46438-46457.	5.3	39
279	Sources, fates and treatment strategies of typical viruses in urban sewage collection/treatment systems: A review. Desalination, 2022, 534, 115798.	8.2	10
280	Managing an evolving pandemic: Cryptic circulation of the Delta variant during the Omicron rise. Science of the Total Environment, 2022, 836, 155599.	8.0	24
281	Evaluation of SARS-CoV-2 concentrations in wastewater and river water samples. Case Studies in Chemical and Environmental Engineering, 2022, 6, 100214.	6.1	11
282	Evaluating COVID-19-Environment Fit Acta Biomedica, 2022, 93, e2022204.	0.3	0
284	Emerging Human Coronaviruses (SARS-CoV-2) in the Environment Associated with Outbreaks Viral Pandemics. , 0, , .		1
285	Induction of oxidative stress and DNA damage in two common fish species of rivers and reservoirs in Ilorin, Northcentral, Nigeria. Journal of Taibah University for Science, 2022, 16, 480-494.	2.5	1

#	Article	IF	CITATIONS
286	Disinfection of corona and myriad viruses in water by non-thermal plasma: a review. Environmental Science and Pollution Research, 2022, 29, 55321-55335.	5.3	21
287	Centralized and decentralized wastewater-based epidemiology to infer COVID-19 transmission – A brief review. One Health, 2022, 15, 100405.	3.4	14
288	Application of human RNase P normalization for the realistic estimation of SARS-CoV-2 viral load in wastewater: A perspective from Qatar wastewater surveillance. Environmental Technology and Innovation, 2022, 27, 102775.	6.1	17
290	A narrative review on the role of temperature and humidity in COVID-19: Transmission, persistence, and epidemiological evidence. , 2022, 1, 73-85.		8
292	The One Health concept for the threat of severe acute respiratory syndrome coronavirus-2 to marine ecosystems. International Journal of One Health, 0, , 48-57.	0.6	2
293	Wastewater-based epidemiological surveillance to monitor the prevalence of SARS-CoV-2 in developing countries with onsite sanitation facilities. Environmental Pollution, 2022, 311, 119679.	7.5	42
294	Review of Method and a New Tool for Decline and Inactive SARS-CoV-2 in Wastewater Treatment. , 2022, 3, 100037.		4
295	Recycling of aged RO membranes as NF/UF membranes: Biosafety evaluation and aging process. Desalination, 2022, 538, 115845.	8.2	6
296	SARS-CoV-2 RNA in Wastewater Was Highly Correlated With the Number of COVID-19 Cases During the Fourth and Fifth Pandemic Wave in Kobe City, Japan. Frontiers in Microbiology, 0, 13, .	3.5	15
297	Transmission Pathways and Genomic Epidemiology of Emerging Variants of SARS-CoV-2 in the Environment. Covid, 2022, 2, 916-939.	1.5	5
298	Wastewater surveillance allows early detection of SARS-CoV-2 omicron in North Rhine-Westphalia, Germany. Science of the Total Environment, 2022, 846, 157375.	8.0	13
299	A Review of the Presence of SARS-CoV-2 in Wastewater: Transmission Risks in Mexico. International Journal of Environmental Research and Public Health, 2022, 19, 8354.	2.6	5
300	Assessment of the Perception of Sustainability for Occupants of Residential Buildings: A Case Study in the UAE. Buildings, 2022, 12, 994.	3.1	1
302	A Methodological Approach to Water Concentration to Investigate the Presence of SARS-CoV-2 RNA in Surface Freshwaters. Pathogens, 2022, 11, 845.	2.8	2
303	Wastewater Sequencing—An Innovative Method for Variant Monitoring of SARS-CoV-2 in Populations. International Journal of Environmental Research and Public Health, 2022, 19, 9749.	2.6	10
304	Useful molecular tools for facing next pandemic events: Effective sample preparation and improved RT-PCR for highly sensitive detection of SARS-CoV-2 in wastewater environment. International Journal of Hygiene and Environmental Health, 2022, 245, 114017.	4.3	3
306	Comparative Assessment of Filtration- and Precipitation-Based Methods for the Concentration of SARS-CoV-2 and Other Viruses from Wastewater. Microbiology Spectrum, 2022, 10, .	3.0	17
307	Monitoring human arboviral diseases through wastewater surveillance: Challenges, progress and future opportunities. Water Research, 2022, 223, 118904.	11.3	26

#	Article	IF	CITATIONS
308	Presence and persistence of SARS-CoV-2 in aquatic environments: A mini-review. Current Opinion in Environmental Science and Health, 2022, 29, 100385.	4.1	8
309	Tracking SARS-CoV-2 in rivers as a tool for epidemiological surveillance. Science of the Total Environment, 2022, 848, 157707.	8.0	8
310	The environmental pollution caused by cemeteries and cremations: A review. Chemosphere, 2022, 307, 136025.	8.2	5
311	Will COVID-19 be the end for the public transit? Investigating the impacts of public health crisis on transit mode choice. Transportation Research, Part A: Policy and Practice, 2022, 164, 352-378.	4.2	15
312	Wastewater to clinical case (WC) ratio of COVID-19 identifies insufficient clinical testing, onset of new variants of concern and population immunity in urban communities. Science of the Total Environment, 2022, 853, 158547.	8.0	19
313	Paradigm shift from conventional processes to advanced membrane adsorption-mediated inactivation processes towards holistic management of virus â^ A critical review. Journal of Environmental Chemical Engineering, 2022, 10, 108568.	6.7	4
314	Cell and Organism Technologies for Assessment of the SARS-CoV-2 Infectivity in Fluid Environment. Bulletin of Experimental Biology and Medicine, 2022, 173, 519-522.	0.8	1
315	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. Water Science and Technology, 2022, 86, 1402-1425.	2.5	7
316	Covid-19: Early Cases and Disease Spread. Annals of Global Health, 2022, 88, 83.	2.0	3
317	The Multifaceted Relationship between the COVID-19 Pandemic and the Food System. Foods, 2022, 11, 2816.	4.3	6
318	The Influence of Environmental Factors on the Spread of COVID-19 in Italy. Procedia Computer Science, 2022, 207, 573-582.	2.0	1
319	Facing the pandemic with a smile: the case of Memedical and its impact on cardiovascular professionals. Minerva Cardiology and Angiology, 0, , .	0.7	2
320	SARS-CoV-2 removal with a polyurethane foam composite. Environmental Science and Pollution Research, 2023, 30, 22024-22032.	5.3	2
321	Spectrum of Environmental Surveillance of SARS-CoV-2 fragments: Questions, Quests, and Conquest. Current Opinion in Environmental Science and Health, 2022, , 100401.	4.1	0
322	Environmental challenges of COVID-19 pandemic: resilience and sustainability – A review. Environmental Research, 2023, 216, 114496.	7.5	18
323	Introduction to antiviral therapy. , 2023, , 3-22.		2
324	A critical review of wastewater quality variation and in-sewer processes during conveyance in sewer systems. Water Research, 2023, 228, 119398.	11.3	11
325	The Impact of the COVID-19 Pandemic on the Space Pattern Changes in Buildings. MATEC Web of Conferences, 2022, 372, 05002.	0.2	0

		15	0
#		IF	CITATIONS
326	Materials, 2023, 445, 130505.	12.4	3
327	Impact assessment of COVID-19 global pandemic on water, environment, and humans. Environmental Advances, 2023, 11, 100328.	4.8	16
328	The effects of COVID-19 on the water sector. Frontiers in Environmental Science, 0, 10, .	3.3	0
329	Occurrence and transport of SARS-CoV-2 in wastewater streams and its detection and remediation by chemical-biological methods. Journal of Hazardous Materials Advances, 2023, 9, 100221.	3.0	1
330	Investigation of SARS-CoV-2 RNA contamination in water supply resources of Tabriz metropolitan during a peak of COVID-19 pandemic. Sustainable Water Resources Management, 2023, 9, .	2.1	1
331	Wastewater-based epidemiology for preventing outbreaks and epidemics in Latin America – Lessons from the past and a look to the future. Science of the Total Environment, 2023, 865, 161210.	8.0	8
332	Nano-antivirals: A comprehensive review. Frontiers in Nanotechnology, 0, 4, .	4.8	7
333	Effects of bio-contaminants in organic waste products on the soil environment. , 2023, , 187-212.		1
334	Environmental surveillance of SARS-CoV-2 in municipal wastewater to monitor COVID-19 status in urban clusters in Malaysia. Archives of Microbiology, 2023, 205, .	2.2	3
335	Towards Effective, Sustainable Solution for Hospital Wastewater Treatment to Cope with the Post-Pandemic Era. International Journal of Environmental Research and Public Health, 2023, 20, 2854.	2.6	1
336	Moving forward with COVID-19: Future research prospects of wastewater-based epidemiology methodologies and applications. Current Opinion in Environmental Science and Health, 2023, 33, 100458.	4.1	10
337	Whole campus wastewater surveillance of SARS-CoV-2 for COVID-19 outbreak management. Water Science and Technology, 2023, 87, 910-923.	2.5	2
338	Construction and Chlorine Resistance of Thiophene-Poly(ethyleneimine)-Based Dual-Functional Nanofiltration Membranes. ACS Applied Materials & Interfaces, 2023, 15, 10018-10029.	8.0	5
339	Assessment of virus concentration methods for detecting SARS-CoV-2 IN wastewater. Brazilian Journal of Microbiology, 0, , .	2.0	0
340	Viral structure and stability in various biotic and abiotic environments. , 2023, , 23-60.		0
341	Monitoring Enteroviruses and SARS-CoV-2 in Wastewater Using the Polio Environmental Surveillance System in Japan. Applied and Environmental Microbiology, 2023, 89, .	3.1	4
342	A sustainable trend in COVID-19 research: An environmental perspective. Frontiers in Environmental Science, 0, 11, .	3.3	5
343	Exposure of adult zebrafish (Danio rerio) to SARS-CoV-2 at predicted environmentally relevant concentrations: Outspreading warns about ecotoxicological risks to freshwater fish. Science of the Total Environment, 2023, 880, 163269.	8.0	1

#	Article	IF	CITATIONS
344	Evaluation of SARS-CoV-2 RNA Presence in Treated and Untreated Hospital Sewage. Water, Air, and Soil Pollution, 2023, 234, .	2.4	1
345	Evaluation of variant calling algorithms for wastewater-based epidemiology using mixed populations of SARS-CoV-2 variants in synthetic and wastewater samples. Microbial Genomics, 2023, 9, .	2.0	1
347	Diving boldly into COVIDâ€19 contaminated wastewater: Eyes at nanotechnologyâ€assisted solutions. Clinical and Translational Discovery, 2023, 3, .	0.5	10
348	Environmental Stability and Transmissibility of Enveloped Viruses at Varied Animate and Inanimate Interfaces. , 2023, 1, 15-31.		3
349	SARS-CoV-2 detection and inactivation in water and wastewater: review on analytical methods, limitations and future research recommendations. Emerging Microbes and Infections, 2023, 12, .	6.5	7
350	Solar-driven efficient heterogeneous subminute water disinfection nanosystem assembled with fingerprint MoS2. , 2023, 1, 462-470.		9
351	Dry-spun carbon nanotube ultrafiltration membranes tailored by anti-viral metal oxide coatings for human coronavirus 229E capture in water. Journal of Environmental Chemical Engineering, 2023, 11, 110176.	6.7	1
352	A comparative analysis of the partitioning behaviour of SARS-CoV-2 RNA in liquid and solid fractions of wastewater. Science of the Total Environment, 2023, 895, 165095.	8.0	3
353	Porcine Epidemic Diarrhea Virus, Surrogate for Coronavirus Decay Measurement in French Coastal Waters and Contribution to Coronavirus Risk Evaluation. Microbiology Spectrum, 2023, 11, .	3.0	2
354	Behavior of household water consumption in Mexico during the COVID-19 pandemic. Water Policy, 2023, 25, 701-714.	1.5	0
355	Potential transmission of SARS-CoV-2 through microplastics in sewage: A wastewater-based epidemiological review. Environmental Pollution, 2023, 334, 122171.	7.5	0
356	A survey of patient and public perceptions and awareness of SARS-CoV-2-related risks among participants in India and South Africa. PLOS Global Public Health, 2023, 3, e0001078.	1.6	1
357	Challenges for the food industry in controlling the transmission of SARS-CoV-2. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 0, , .	1.4	0
358	Relação entre saneamento bÃjsico e a taxa de mortalidade por COVID-19: um estudo de caso do Rio Grande do Sul, Brasil. , 2023, 3, 105-114.		0
359	Pathogen contamination of groundwater systems and health risks. Critical Reviews in Environmental Science and Technology, 2024, 54, 267-289.	12.8	3
360	Groundwater Quality and Public Health. Annual Review of Environment and Resources, 2023, 48, 395-418.	13.4	4
361	Fate of Coronaviruses during the Wastewater Coagulation with Ferric Chloride. ACS ES&T Water, 2023, 3, 3206-3214.	4.6	1
362	The Rise and Fall of Omicron BA.1 Variant as Seen in Wastewater Supports Epidemiological Model Predictions. Viruses, 2023, 15, 1862.	3.3	0

	CITATION	CITATION REPORT	
#	Article	IF	CITATIONS
363	Anthropogenic activities and COVID-19 effects on natural water bodies: Arroyo Secoâ \in Ms case. , 0, 2, .		0
364	Tracing the footprints of SARS-CoV-2 in oceanic waters. Science of the Total Environment, 2024, 906, 167343.	8.0	0
365	Preparedness for the transmission of pandemic viruses in the food chain. Food Control, 2024, 156, 110138.	5.5	0
366	How Did Journals in Water Sciences Survive the COVID-19 Pandemic? A Scientometric Study. Limnological Review, 2023, 23, 126-137.	0.5	0
367	Effective stabilization of electrochemically prepared ecological oxidizing agent—ferrate(VI)—by encapsulation in zeolite and its application to water containing SARSâ€CoVâ€2 virus. Water Environment Research, 2023, 95, .	2.7	0
369	A Critical Review of Literature Review Methodologies. , 2023, , 103-123.		0
370	Fiber Optic SPR POCT: a novel nucleic acid detection biosensor for environmental viruses. Research, 0, , .	5.7	0
371	Impact of COVID-19 on water quality and emerging unconventional detection method from water bodies. , 2024, , 179-207.		0
372	An interpretative review of the wastewater-based surveillance of the SARS-CoV-2: where do we stand on its presence and concern?. Frontiers in Microbiology, 0, 15, .	3.5	0
373	Wastewater based surveillance can be used to reduce clinical testing intensity on a university campus. Science of the Total Environment, 2024, 918, 170452.	8.0	0
374	Colloid-like tools fast beat viral bio-colloids: Micron-surface enrichment and in-situ inactivation induced by interface-decorated microbubbles. Chemical Engineering Journal, 2024, 483, 149250.	12.7	0
375	Adapted methods for monitoring influenza virus and respiratory syncytial virus in sludge and wastewater. Science of the Total Environment, 2024, 918, 170636.	8.0	1
376	A review of the influence of environmental pollutants (microplastics, pesticides, antibiotics, air) Tj ETQq0 0 0 rg	3BT /Overloo 12.4	ck 10 Tf 50 20
377	Occupational exposure to severe acute respiratory syndrome coronavirus-2 in wastewater and its implications in the gulf region. 2024. 3, 46-57.		0

The occurrence of SARS-CoV-2 in Tehran's municipal wastewater: performance of treatment systems and feasibility of wastewater-based epidemiology. Journal of Environmental Health Science & 3.0 Engineering, 0, , .

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