

**Table S1.** The top highly co-cited references in three largest clusters.

CLUSTER	CITED REFERENCE	CITATIONS	Total Link Strength
RED	First confirmed detection of SARS-CoV-2 in untreated wastewater in Australia: A proof of concept for the wastewater surveillance of COVID-19 in the community	486	12494
	Presence of SARS-Coronavirus-2 RNA in Sewage and Correlation with Reported COVID-19 Prevalence in the Early Stage of the Epidemic in The Netherlands	466	11890
	SARS-CoV-2 RNA in wastewater anticipated COVID-19 occurrence in a low prevalence area	362	10508
	First environmental surveillance for the presence of SARS-CoV-2 RNA in wastewater and river water in Japan	240	7600
	SARS-CoV-2 in wastewater: State of the knowledge and research needs	235	6754
GREEN	Measurement of SARS-CoV-2 RNA in wastewater tracks community infection dynamics	298	7736
	SARS-CoV-2 RNA in Wastewater Settled Solids Is Associated with COVID-19 Cases in a Large Urban Sewershed	134	4040
	Correlation of SARS-CoV-2 RNA in wastewater with COVID-19 disease burden in sewersheds	123	3513
	COVID-19 containment on a college campus via wastewater-based epidemiology, targeted clinical testing and an intervention	104	2727
	Implementation of environmental surveillance for SARS-CoV-2 virus to support public health decisions: Opportunities and challenges	102	2638
BLUE	Genome Sequencing of Sewage Detects Regionally Prevalent SARS-CoV-2 Variants	101	2221
	Monitoring SARS-CoV-2 Circulation and Diversity through Community Wastewater Sequencing, the Netherlands and Belgium	72	1559
	Tracking SARS-CoV-2 in Sewage: Evidence of Changes in Virus Variant Predominance during COVID-19 Pandemic	55	2008
	Detection of SARS-CoV-2 variants by genomic analysis of wastewater samples in Israel	41	1106
	Genetic Diversity and Evolutionary Convergence of Cryptic SARS-CoV-2 Lineages Detected Via Wastewater Sequencing	41	784

**Table S2.** Citations per publication, SJR (scientific journal rankings), SNIP (source normalized impact per paper), cite score, quartiles, publisher, and publishing countries of top 10 influential Journals.

<i>Journals</i>	<i>Citation per publication</i>	<i>Cite score</i>	<i>SJR (2022)</i>	<i>SNIP</i>	<i>Quartiles (2023)</i>	<i>Publisher</i>	<i>Country</i>
<b>Science of the Total Environment</b>	33.3	16.80	1.946	2.026	Q1	Elsevier	Netherlands
<b>Water Research</b>	48.01	19.80	3.338	2.421	Q1	Elsevier Ltd	United Kingdom
<b>ACS ES&amp;T Water</b>	6.35	3.20	0.957	0.786	Q1	American Chemical Society	United States
<b>Environmental Research</b>	25.3	11.00	1.635	1.664	Q1	Academic Press Inc.	United States
<b>Journal of Water and Health</b>	3.34	3.50	0.52	0.80	Q2	IWA Publishing Group	United Kingdom
<b>Water</b>	5.72	5.5	0.72	1.06	Q1	MDPI	Switzerland
<b>Viruses-Basel</b>	7.89	7.1	1.29	1.07	Q1	MDPI	Switzerland
<b>International Journal of Environmental Research and Public Health</b>	13.33	5.40	0.828	1.280	Q2	MDPI	Switzerland
<b>Environmental Science and Pollution Research</b>	4.86	7.9	0.94	1.2	Q1	Springer	Germany
<b>PLOS ONE</b>	5.33	6.0	0.89	1.2	Q1	Public Library of Science	United States