List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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. Science of the Total Environment, 2020, 728, 138764.	8.0	1,393
2	Wastewater-based epidemiology biomarkers: Past, present and future. TrAC - Trends in Analytical Chemistry, 2018, 105, 453-469.	11.4	327
3	SARS-CoV-2 RNA monitoring in wastewater as a potential early warning system for COVID-19 transmission in the community: A temporal case study. Science of the Total Environment, 2021, 761, 144216.	8.0	218
4	Spatioâ€ŧemporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. Addiction, 2020, 115, 109-120.	3.3	154
5	Identification and quantification of selected plastics in biosolids by pressurized liquid extraction combined with double-shot pyrolysis gas chromatography–mass spectrometry. Science of the Total Environment, 2020, 715, 136924.	8.0	145
6	Towards finding a population biomarker for wastewater epidemiology studies. Science of the Total Environment, 2014, 487, 621-628.	8.0	141
7	Temporal trends in drug use in Adelaide, South Australia by wastewater analysis. Science of the Total Environment, 2016, 565, 384-391.	8.0	115
8	Wastewater treatment plants as a source of plastics in the environment: a review of occurrence, methods for identification, quantification and fate. Environmental Science: Water Research and Technology, 2019, 5, 1908-1931.	2.4	112
9	Social, demographic, and economic correlates of food and chemical consumption measured by wastewater-based epidemiology. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21864-21873.	7.1	104
10	Plastics in biosolids from 1950 to 2016: A function of global plastic production and consumption. Water Research, 2021, 201, 117367.	11.3	77
11	Harnessing the Power of the Census: Characterizing Wastewater Treatment Plant Catchment Populations for Wastewater-Based Epidemiology. Environmental Science & Technology, 2019, 53, 10303-10311.	10.0	69
12	Measuring spatial and temporal trends of nicotine and alcohol consumption in Australia using wastewaterâ€based epidemiology. Addiction, 2018, 113, 1127-1136.	3.3	62
13	Release of Plastics to Australian Land from Biosolids End-Use. Environmental Science & Technology, 2020, 54, 15132-15141.	10.0	62
14	A National Wastewater Monitoring Program for a better understanding of public health: A case study using the Australian Census. Environment International, 2019, 122, 400-411.	10.0	59
15	LC-HRMS suspect screening to show spatial patterns of New Psychoactive Substances use in Australia. Science of the Total Environment, 2019, 650, 2181-2187.	8.0	58
16	Plastic particles in soil: state of the knowledge on sources, occurrence and distribution, analytical methods and ecological impacts. Environmental Sciences: Processes and Impacts, 2021, 23, 240-274.	3.5	44
17	Urinary Concentrations of Bisphenols in the Australian Population and Their Association with the Per Capita Mass Loads in Wastewater. Environmental Science & Technology, 2020, 54, 10141-10148.	10.0	43
18	Assessment of drugs of abuse in a wastewater treatment plant with parallel secondary wastewater treatment train. Science of the Total Environment, 2019, 658, 947-957.	8.0	41

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19	Trends in nicotine consumption between 2010 and 2017 in an Australian city using the wastewater-based epidemiology approach. Environment International, 2019, 125, 184-190.	10.0	39
20	Towards an efficient method for the extraction and analysis of cannabinoids in wastewater. Talanta, 2020, 217, 121034.	5.5	37
21	Enantiomeric profiling of amphetamine and methamphetamine in wastewater: A 7-year study in regional and urban Queensland, Australia. Science of the Total Environment, 2018, 643, 827-834.	8.0	36
22	Per capita loads of organic UV filters in Australian wastewater influent. Science of the Total Environment, 2019, 662, 134-140.	8.0	36
23	Trends in stimulant use in Australia: A comparison of wastewater analysis and population surveys. Science of the Total Environment, 2015, 536, 331-337.	8.0	35
24	Estimates of tobacco use by wastewater analysis of anabasine and anatabine. Drug Testing and Analysis, 2016, 8, 702-707.	2.6	35
25	Evaluating the stability of three oxidative stress biomarkers under sewer conditions and potential impact for use in wastewater-based epidemiology. Water Research, 2019, 166, 115068.	11.3	35
26	Simultaneous determination of 24 opioids, stimulants and new psychoactive substances in wastewater. MethodsX, 2019, 6, 953-960.	1.6	34
27	New approach for the measurement of long-term alcohol consumption trends: Application of wastewater-based epidemiology in an Australian regional city. Drug and Alcohol Dependence, 2020, 207, 107795.	3.2	34
28	Determining changes in new psychoactive substance use in Australia by wastewater analysis. Science of the Total Environment, 2020, 731, 139209.	8.0	33
29	Wastewater treatment efficacy evaluated with inÂvitro bioassays. Water Research X, 2020, 9, 100072.	6.1	31
30	Trends in artificial sweetener consumption: A 7-year wastewater-based epidemiology study in Queensland, Australia. Science of the Total Environment, 2021, 754, 142438.	8.0	29
31	Systematic Evaluation of the In-Sample Stability of Selected Pharmaceuticals, Illicit Drugs, and Their Metabolites in Wastewater. Environmental Science & Technology, 2021, 55, 7418-7429.	10.0	29
32	Concentrations of phthalate metabolites in Australian urine samples and their contribution to the per capita loads in wastewater. Environment International, 2020, 137, 105534.	10.0	29
33	Uncertainties in estimating alcohol and tobacco consumption by wastewater-based epidemiology. Current Opinion in Environmental Science and Health, 2019, 9, 13-18.	4.1	27
34	Pharmaceuticals, personal care products, food additive and pesticides in surface waters from three Australian east coast estuaries (Sydney, Yarra and Brisbane). Marine Pollution Bulletin, 2020, 153, 111014.	5.0	27
35	Monitoring of SARS-CoV-2 in sewersheds with low COVID-19 cases using a passive sampling technique. Water Research, 2022, 218, 118481.	11.3	26
36	Calibration and validation of a microporous polyethylene passive sampler for quantitative estimation of illicit drug and pharmaceutical and personal care product (PPCP) concentrations in wastewater influent. Science of the Total Environment, 2020, 704, 135891.	8.0	25

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37	National wastewater reconnaissance of artificial sweetener consumption and emission in Australia. Environment International, 2020, 143, 105963.	10.0	25
38	Population Socioeconomics Predicted Using Wastewater. Environmental Science and Technology Letters, 2020, 7, 567-572.	8.7	23
39	Impact of COVID-19 Controls on the Use of Illicit Drugs and Alcohol in Australia. Environmental Science and Technology Letters, 2021, 8, 799-804.	8.7	22
40	Analyzing Wastewater Samples Collected during Census To Determine the Correction Factors of Drugs for Wastewater-Based Epidemiology: The Case of Codeine and Methadone. Environmental Science and Technology Letters, 2019, 6, 265-269.	8.7	19
41	Using Prescription and Wastewater Data to Estimate the Correction Factors of Atenolol, Carbamazepine, and Naproxen for Wastewater-Based Epidemiology Applications. Environmental Science & Technology, 2021, 55, 7551-7560.	10.0	19
42	Long-term trends in tobacco use assessed by wastewater-based epidemiology and its relationship with consumption of nicotine containing products. Environment International, 2020, 145, 106088.	10.0	18
43	Estimating Alcohol Consumption by Wastewater-Based Epidemiology: An Assessment of the Correction Factor for Ethyl Sulfate Using Large-Scale National Monitoring Data. Environmental Science and Technology Letters, 2021, 8, 333-338.	8.7	18
44	A pilot wastewaterâ€based epidemiology assessment of anabolic steroid use in Queensland, Australia. Drug Testing and Analysis, 2019, 11, 937-949.	2.6	17
45	Determination of anabasine, anatabine, and nicotine biomarkers in wastewater by enhanced direct injection LC-MS/MS and evaluation of their in-sewer stability. Science of the Total Environment, 2020, 743, 140551.	8.0	17
46	A sensitive analytical method for the measurement of neurotransmitter metabolites as potential population biomarkers in wastewater. Journal of Chromatography A, 2020, 1612, 460623.	3.7	16
47	Investigating the correlation between wastewater analysis and roadside drug testing in South Australia. Drug and Alcohol Dependence, 2018, 187, 123-126.	3.2	14
48	A wastewaterâ€based assessment of the impact of a minimum unit price (MUP) on population alcohol consumption in the Northern Territory, Australia. Addiction, 2022, 117, 243-249.	3.3	14
49	A comparison of trends in wastewaterâ€based data and traditional epidemiological indicators of stimulant consumption in three locations. Addiction, 2020, 115, 462-472.	3.3	13
50	Performance- and image-enhancing drug use in the community: use prevalence, user demographics and the potential role of wastewater-based epidemiology. Journal of Hazardous Materials, 2021, 419, 126340.	12.4	13
51	Background release and potential point sources of per- and polyfluoroalkyl substances to municipal wastewater treatment plants across Australia. Chemosphere, 2022, 293, 133657.	8.2	12
52	Anabasineâ€based measurement of cigarette consumption using wastewater analysis. Drug Testing and Analysis, 2020, 12, 1393-1398.	2.6	11
53	Application of catecholamine metabolites as endogenous population biomarkers for wastewater-based epidemiology. Science of the Total Environment, 2021, 763, 142992.	8.0	11
54	Does size matter? Quantification of plastics associated with size fractionated biosolids. Science of the Total Environment, 2022, 811, 152382.	8.0	11

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55	In-Sewer Stability Assessment of Anabolic Steroids and Selective Androgen Receptor Modulators. Environmental Science & Technology, 2022, 56, 1627-1638.	10.0	10
56	A nationwide wastewater-based assessment of metformin consumption across Australia. Environment International, 2022, 165, 107282.	10.0	10
57	In-sewer stability of selected analgesics and their metabolites. Water Research, 2021, 204, 117647.	11.3	9
58	Time-Integrative Passive Sampling of Very Hydrophilic Chemicals in Wastewater Influent. Environmental Science and Technology Letters, 2020, 7, 848-853.	8.7	8
59	Quantifying nicotine and alcohol consumption in New Zealand using wastewaterâ€based epidemiology timed to coincide with census. Drug and Alcohol Review, 2021, 40, 1178-1185.	2.1	8
60	Artificial sweeteners in end-use biosolids in Australia. Water Research, 2021, 200, 117237.	11.3	8
61	The impact of COVID-19 on antidepressant sales and prescription dispensing in Australia. Australian and New Zealand Journal of Psychiatry, 2022, 56, 871-872.	2.3	3
62	Wastewater analysis shows a large decrease in oxycodone use in Adelaide. Medical Journal of Australia, 2017, 207, 88-88.	1.7	2
63	Multisite Calibration of a Microporous Polyethylene Tube Passive Sampler for Quantifying Drugs in Wastewater. Environmental Science & amp; Technology, 2021, 55, 12922-12929.	10.0	1
64	A simple liquid extraction for simultaneous determination of 12 opioid ligands in plasma by LC-MS/MS. Analytical Methods, 2022, , .	2.7	1
65	Spatial, temporal and socioeconomic patterns of illicit drug use in New Zealand assessed using wastewater-based epidemiology timed to coincide with the census. New Zealand Medical Journal, 2021, 134, 11-26.	0.5	0