Foon Yin Lai

List of Publications by Year
in descending order

34 papers	2,233 citations	236925 25 h-index	377865 34 g-index
34 all docs	34 docs citations	34 times ranked	1553 citing authors

#	Article	IF	Citations
1	Exploring antibiotic consumption between urban and sub-urban catchments using both parent drugs and related metabolites in wastewater-based epidemiology. Science of the Total Environment, 2022, 827, 154171.	8.0	11
2	Mining chemical information in Swedish wastewaters for simultaneous assessment of population consumption, treatment efficiency and environmental discharge of illicit drugs. Scientific Reports, 2021, 11, 13510.	3.3	4
3	Making Waves: Collaboration in the time of SARS-CoV-2 - rapid development of an international co-operation and wastewater surveillance database to support public health decision-making. Water Research, 2021, 199, 117167.	11.3	48
4	Spatio–temporal 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	Using wastewater-based epidemiology to estimate consumption of alcohol and nicotine in major cities of China in 2014 and 2016. Environment International, 2020, 136, 105492.	10.0	46
6	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
7	Measuring spatial and temporal trends of nicotine and alcohol consumption in Australia using wastewater–based epidemiology. Addiction, 2018, 113, 1127-1136.	3.3	62
8	Association between purity of drug seizures and illicit drug loads measured in wastewater in a South East Queensland catchment over a six year period. Science of the Total Environment, 2018, 635, 779-783.	8.0	20
9	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. TrAC - Trends in Analytical Chemistry, 2018, 103, 34-43.	11.4	85
10	Potential impact of the sewer system on the applicability of alcohol and tobacco biomarkers in wastewater–based epidemiology. Drug Testing and Analysis, 2018, 10, 530-538.	2.6	63
11	'Ice Rushes', Data Shadows and Methylamphetamine Use in Rural Towns: Wastewater Analysis. Current Issues in Criminal Justice, 2018, 29, 195-208.	1.4	2
12	Levels of 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK) in raw wastewater as an innovative perspective for investigating population-wide exposure to third-hand smoke. Scientific Reports, 2018, 8, 13254.	3.3	15
13	Mining the Chemical Information on Urban Wastewater: Monitoring Human Exposure to Phosphorus Flame Retardants and Plasticizers. Environmental Science & Technology, 2018, 52, 6996-7005.	10.0	44
14	Analysis of N,N–dimethylamphetamine in wastewater – a pyrolysis marker and synthesis impurity of methamphetamine. Drug Testing and Analysis, 2018, 10, 1590-1598.	2.6	3
15	Assessment of ethyl sulphate in hair as a marker for alcohol consumption using liquid chromatography–tandem mass spectrometry. Drug Testing and Analysis, 2018, 10, 1566-1572.	2.6	8
16	Comparing methamphetamine, MDMA, cocaine, codeine and methadone use between the Auckland region and four Australian states using wastewater-based epidemiology (WBE). New Zealand Medical Journal, 2018, 131, 12-20.	0.5	1
17	Can wastewater-based epidemiology be used to evaluate the health impact of temperature? – An exploratory study in an Australian population. Environmental Research, 2017, 156, 113-119.	7.5	33
18	Measuring biomarkers in wastewater as a new source of epidemiological information: Current state and future perspectives. Environment International, 2017, 99, 131-150.	10.0	209

#	Article	IF	Citations
19	Liquid Chromatography–Tandem Mass Spectrometry Analysis of Biomarkers of Exposure to Phosphorus Flame Retardants in Wastewater to Monitor Community-Wide Exposure. Analytical Chemistry, 2017, 89, 10045-10053.	6.5	42
20	Novel Wastewater-Based Epidemiology Approach Based on Liquid Chromatography–Tandem Mass Spectrometry for Assessing Population Exposure to Tobacco-Specific Toxicants and Carcinogens. Analytical Chemistry, 2017, 89, 9268-9278.	6.5	28
21	Evaluation of in-sewer transformation of selected illicit drugs and pharmaceutical biomarkers. Science of the Total Environment, 2017, 609, 1172-1181.	8.0	60
22	Removal of micropollutants through a biological wastewater treatment plant in a subtropical climate, Queensland-Australia. Journal of Environmental Health Science & Engineering, 2016, 14, 14.	3.0	43
23	Spatial variations in the consumption of illicit stimulant drugs across Australia: A nationwide application of wastewater-based epidemiology. Science of the Total Environment, 2016, 568, 810-818.	8.0	84
24	Cocaine, MDMA and methamphetamine residues in wastewater: Consumption trends (2009–2015) in South East Queensland, Australia. Science of the Total Environment, 2016, 568, 803-809.	8.0	61
25	Profiles and changes in stimulant use in Belgium in the period of 2011–2015. Science of the Total Environment, 2016, 565, 1011-1019.	8.0	18
26	Comparative measurement and quantitative risk assessment of alcohol consumption through wastewater-based epidemiology: An international study in 20 cities. Science of the Total Environment, 2016, 565, 977-983.	8.0	85
27	Critical review on the stability of illicit drugs in sewers and wastewater samples. Water Research, 2016, 88, 933-947.	11.3	244
28	Systematic and Day-to-Day Effects of Chemical-Derived Population Estimates on Wastewater-Based Drug Epidemiology. Environmental Science & Technology, 2015, 49, 999-1008.	10.0	65
29	Liquid chromatography-quadrupole time-of-flight mass spectrometry for screening in vitro drug metabolites in humans: investigation on seven phenethylamine-based designer drugs. Journal of Pharmaceutical and Biomedical Analysis, 2015, 114, 355-375.	2.8	35
30	Effects of sewer conditions on the degradation of selected illicit drug residues in wastewater. Water Research, 2014, 48, 538-547.	11.3	115
31	Estimating daily and diurnal variations of illicit drug use in Hong Kong: A pilot study of using wastewater analysis in an Asian metropolitan city. Forensic Science International, 2013, 233, 126-132.	2.2	86
32	Profiles of illicit drug use during annual key holiday and control periods in Australia: wastewater analysis in an urban, a semi–rural and a vacation area. Addiction, 2013, 108, 556-565.	3.3	101
33	Using quantitative wastewater analysis to measure daily usage of conventional and emerging illicit drugs at an annual music festival. Drug and Alcohol Review, 2013, 32, 594-602.	2.1	103
34	Refining the estimation of illicit drug consumptions from wastewater analysis: Co-analysis of prescription pharmaceuticals and uncertainty assessment. Water Research, 2011, 45, 4437-4448.	11.3	196