Lubertus Bijlsma

List of Publications by Year
in descending order

70 papers	5,346 citations	93792 39 h-index	100535 70 g-index
70 all docs	70 docs citations	70 times ranked	4441 citing authors

#	ARTICLE	IF	CITATIONS
1	A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. Environmental Science and Technology Letters, 2022, 9, 57-63.	3.9	27
2	Perspectives and challenges associated with the determination of new psychoactive substances in urine and wastewater â€" A tutorial. Analytica Chimica Acta, 2021, 1145, 132-147.	2.6	25
3	International snapshot of new psychoactive substance use: Case study of eight countries over the 2019/2020 new year period. Water Research, 2021, 193, 116891.	5.3	34
4	Use of ion mobilityâ€high resolution mass spectrometry in metabolomics studies to provide near MS/MS quality data in a single injection. Journal of Mass Spectrometry, 2021, 56, e4718.	0.7	4
5	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. Water Research, 2021, 195, 116983.	5.3	40
6	Ecological risk assessment of pesticides in the Mijares River (eastern Spain) impacted by citrus production using wide-scope screening and target quantitative analysis. Journal of Hazardous Materials, 2021, 412, 125277.	6.5	13
7	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. Science of the Total Environment, 2021, 772, 144794.	3.9	31
8	In vitro bioanalytical assessment of toxicity of wetland samples from Spanish Mediterranean coastline. Environmental Sciences Europe, 2021, 33, .	2.6	2
9	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.	5.3	48
10	Wide-scope screening of pharmaceuticals, illicit drugs and their metabolites in the Amazon River. Water Research, 2021, 200, 117251.	5.3	27
11	Inter-laboratory mass spectrometry dataset based on passive sampling of drinking water for non-target analysis. Scientific Data, 2021, 8, 223.	2.4	14
12	Investigation of pharmaceuticals in a conventional wastewater treatment plant: Removal efficiency, seasonal variation and impact of a nearby hospital. Journal of Environmental Chemical Engineering, 2021, 9, 105548.	3.3	55
13	Changes in drug use in European cities during early COVID-19 lockdowns â€" A snapshot from wastewater analysis. Environment International, 2021, 153, 106540.	4.8	47
14	Source identification of amphetamine-like stimulants in Spanish wastewater through enantiomeric profiling. Water Research, 2021, 206, 117719.	5.3	13
15	The relevant role of ion mobility separation in LC-HRMS based screening strategies for contaminants of emerging concern in the aquatic environment. Chemosphere, 2021, 280, 130799.	4.2	23
16	Rapid and sensitive analytical method for the determination of amoxicillin and related compounds in water meeting the requirements of the European union watch list. Journal of Chromatography A, 2021, 1658, 462605.	1.8	13
17	Spatioâ€temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. Addiction, 2020, 115, 109-120.	1.7	154
18	Improving Target and Suspect Screening High-Resolution Mass Spectrometry Workflows in Environmental Analysis by Ion Mobility Separation. Environmental Science & Technology, 2020, 54, 15120-15131.	4.6	69

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19	Occurrence and ecological risks of pharmaceuticals in a Mediterranean river in Eastern Spain. Environment International, 2020, 144, 106004.	4.8	74
20	Wastewater-Based Epidemiology: Global Collaborative to Maximize Contributions in the Fight Against COVID-19. Environmental Science & Technology, 2020, 54, 7754-7757.	4.6	337
21	First nation-wide estimation of tobacco consumption in Spain using wastewater-based epidemiology. Science of the Total Environment, 2020, 741, 140384.	3.9	24
22	Monitoring psychoactive substance use at six European festivals through wastewater and pooled urine analysis. Science of the Total Environment, 2020, 725, 138376.	3.9	61
23	Investigating the appearance of new psychoactive substances in South Australia using wastewater and forensic data. Drug Testing and Analysis, 2019, 11, 250-256.	1.6	27
24	Drug Use by Music Festival Attendees: A Novel Triangulation Approach Using Self-Reported Data and Test Results of Oral Fluid and Pooled Urine Samples. Substance Use and Misuse, 2019, 54, 2317-2327.	0.7	8
25	Flexible high resolution-mass spectrometry approach for screening new psychoactive substances in urban wastewater. Science of the Total Environment, 2019, 689, 679-690.	3.9	35
26	Simultaneous determination of new psychoactive substances and illicit drugs in sewage: Potential of micro-liquid chromatography tandem mass spectrometry in wastewater-based epidemiology. Journal of Chromatography A, 2019, 1602, 300-309.	1.8	41
27	A Refined Nontarget Workflow for the Investigation of Metabolites through the Prioritization by in Silico Prediction Tools. Analytical Chemistry, 2019, 91, 6321-6328.	3.2	33
28	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.	5.8	85
29	Mass spectrometric strategies for the investigation of biomarkers of illicit drug use in wastewater. Mass Spectrometry Reviews, 2018, 37, 258-280.	2.8	95
30	Development of a Retention Time Interpolation scale (RTi) for liquid chromatography coupled to mass spectrometry in both positive and negative ionization modes. Journal of Chromatography A, 2018, 1568, 101-107.	1.8	11
31	What about the herb? A new metabolomics approach for synthetic cannabinoid drug testing. Analytical and Bioanalytical Chemistry, 2018, 410, 5107-5112.	1.9	15
32	Wastewater Analysis for Community-Wide Drugs Use Assessment. Handbook of Experimental Pharmacology, 2018, 252, 543-566.	0.9	15
33	Mass spectrometric identification and structural analysis of the third-generation synthetic cannabinoids on the UK market since the 2013 legislative ban. Forensic Toxicology, 2017, 35, 376-388.	1.4	15
34	Prediction of Collision Cross-Section Values for Small Molecules: Application to Pesticide Residue Analysis. Analytical Chemistry, 2017, 89, 6583-6589.	3.2	93
35	Monitoring a large number of pesticides and transformation products in water samples from Spain and Italy. Environmental Research, 2017, 156, 31-38.	3.7	66
36	Measuring biomarkers in wastewater as a new source of epidemiological information: Current state and future perspectives. Environment International, 2017, 99, 131-150.	4.8	209

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37	Improving wastewater-based epidemiology to estimate cannabis use: focus on the initial aspects of the analytical procedure. Analytica Chimica Acta, 2017, 988, 27-33.	2.6	57
38	Liquid chromatography-tandem mass spectrometry determination of synthetic cathinones and phenethylamines in influent wastewater of eight European cities. Chemosphere, 2017, 168, 1032-1041.	4.2	82
39	Facilitating high resolution mass spectrometry data processing for screening of environmental water samples: An evaluation of two deconvolution tools. Science of the Total Environment, 2016, 569-570, 434-441.	3.9	24
40	Investigation of pharmaceuticals in processed animal by-products by liquid chromatography coupled to high-resolution mass spectrometry. Chemosphere, 2016, 154, 231-239.	4.2	18
41	Estimation of illicit drug use in the main cities of Colombia by means of urban wastewater analysis. Science of the Total Environment, 2016, 565, 984-993.	3.9	60
42	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.	3.9	85
43	Critical review on the stability of illicit drugs in sewers and wastewater samples. Water Research, 2016, 88, 933-947.	5.3	244
44	Assessing geographical differences in illicit drug consumption—A comparison of results from epidemiological and wastewater data in Germany and Switzerland. Drug and Alcohol Dependence, 2016, 161, 189-199.	1.6	51
45	Identification and characterization of a novel cathinone derivative 1-(2,3-dihydro-1H-inden-5-yl)-2-phenyl-2-(pyrrolidin-1-yl)-ethanone seized by customs in Jersey. Forensic Toxicology, 2016, 34, 144-150.	1.4	10
46	LC-QTOF MS screening of more than 1,000 licit and illicit drugs and their metabolites in wastewater and surface waters from the area of Bogotá, Colombia. Analytical and Bioanalytical Chemistry, 2015, 407, 6405-6416.	1.9	104
47	Critical evaluation of a simple retention time predictor based on LogKow as a complementary tool in the identification of emerging contaminants in water. Talanta, 2015, 139, 143-149.	2.9	69
48	A data-independent acquisition workflow for qualitative screening of new psychoactive substances in biological samples. Analytical and Bioanalytical Chemistry, 2015, 407, 8773-8785.	1.9	57
49	Screening of pharmaceuticals and illicit drugs in wastewater and surface waters of Spain and Italy by high resolution mass spectrometry using UHPLC-QTOF MS and LC-LTQ-Orbitrap MS. Analytical and Bioanalytical Chemistry, 2015, 407, 8979-8988.	1.9	60
50	Suspect screening of large numbers of emerging contaminants in environmental waters using artificial neural networks for chromatographic retention time prediction and high resolution mass spectrometry data analysis. Science of the Total Environment, 2015, 538, 934-941.	3.9	96
51	Sewage-based Epidemiology Requires a Truly Transdisciplinary Approach. Gaia, 2014, 23, 266-268.	0.3	9
52	Occurrence and behavior of illicit drugs and metabolites in sewage water from the Spanish Mediterranean coast (Valencia region). Science of the Total Environment, 2014, 487, 703-709.	3.9	82
53	Investigation of cannabis biomarkers and transformation products in waters by liquid chromatography coupled to time of flight and triple quadrupole mass spectrometry. Chemosphere, 2014, 99, 64-71.	4.2	30
54	Spatial differences and temporal changes in illicit drug use in Europe quantified by wastewater analysis. Addiction, 2014, 109, 1338-1352.	1.7	319

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55	Investigation of pharmaceuticals and illicit drugs in waters by liquid chromatography-high-resolution mass spectrometry. TrAC - Trends in Analytical Chemistry, 2014, 63, 140-157.	5.8	106
56	Improvements in analytical methodology for the determination of frequently consumed illicit drugs in urban wastewater. Analytical and Bioanalytical Chemistry, 2014, 406, 4261-4272.	1.9	50
57	Comprehensive analytical strategies based on high-resolution time-of-flight mass spectrometry to identify new psychoactive substances. TrAC - Trends in Analytical Chemistry, 2014, 57, 107-117.	5.8	67
58	Quadrupole‐time‐of‐flight mass spectrometry screening for synthetic cannabinoids in herbal blends. Journal of Mass Spectrometry, 2013, 48, 685-694.	0.7	29
59	Investigation of degradation products of cocaine and benzoylecgonine in the aquatic environment. Science of the Total Environment, 2013, 443, 200-208.	3.9	45
60	Removal of emerging contaminants in sewage water subjected to advanced oxidation with ozone. Journal of Hazardous Materials, 2013, 260, 389-398.	6.5	113
61	Performance of the linear ion trap Orbitrap mass analyzer for qualitative and quantitative analysis of drugs of abuse and relevant metabolites in sewage water. Analytica Chimica Acta, 2013, 768, 102-110.	2.6	68
62	Risk assessment for drugs of abuse in the Dutch watercycle. Water Research, 2013, 47, 1848-1857.	5.3	70
63	Evaluation of Uncertainties Associated with the Determination of Community Drug Use through the Measurement of Sewage Drug Biomarkers. Environmental Science & Technology, 2013, 47, 1452-1460.	4.6	320
64	Investigation of drugs of abuse and relevant metabolites in Dutch sewage water by liquid chromatography coupled to high resolution mass spectrometry. Chemosphere, 2012, 89, 1399-1406.	4.2	135
65	Comparing illicit drug use in 19 European cities through sewage analysis. Science of the Total Environment, 2012, 432, 432-439.	3.9	416
66	Rapid wide-scope screening of drugs of abuse, prescription drugs with potential for abuse and their metabolites in influent and effluent urban wastewater by ultrahigh pressure liquid chromatography–quadrupole-time-of-flight-mass spectrometry. Analytica Chimica Acta, 2011, 684, 96-106.	2.6	100
67	Fragmentation pathways of drugs of abuse and their metabolites based on QTOF MS/MS and MSE accurate-mass spectra. Journal of Mass Spectrometry, 2011, 46, 865-875.	0.7	86
68	Simultaneous ultra-high-pressure liquid chromatography–tandem mass spectrometry determination of amphetamine and amphetamine-like stimulants, cocaine and its metabolites, and a cannabis metabolite in surface water and urban wastewater. Journal of Chromatography A, 2009, 1216, 3078-3089.	1.8	164
69	Water content of stingless bee honeys (Apidae, Meliponini): interspecific variation and comparison with honey of Apis mellifera. Apidologie, 2006, 37, 480-486.	0.9	37
70	Multiresidue liquid chromatography tandem mass spectrometry determination of 52 non gas chromatography-amenable pesticides and metabolites in different food commodities. Journal of Chromatography A, 2006, 1109, 242-252.	1.8	200