

# Erik Emke

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,842  
citations

201658

27  
h-index

254170

43  
g-index

44  
all docs

44  
docs citations

44  
times ranked

2212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing illicit drug use in 19 European cities through sewage analysis. <i>Science of the Total Environment</i> , 2012, 432, 432-439.	8.0	416
2	Evaluation of Uncertainties Associated with the Determination of Community Drug Use through the Measurement of Sewage Drug Biomarkers. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1452-1460.	10.0	320
3	Spatial differences and temporal changes in illicit drug use in Europe quantified by wastewater analysis. <i>Addiction</i> , 2014, 109, 1338-1352.	3.3	319
4	Spatio-temporal assessment of illicit drug use at large scale: evidence from 7 years of international wastewater monitoring. <i>Addiction</i> , 2020, 115, 109-120.	3.3	154
5	Investigation of drugs of abuse and relevant metabolites in Dutch sewage water by liquid chromatography coupled to high resolution mass spectrometry. <i>Chemosphere</i> , 2012, 89, 1399-1406.	8.2	135
6	Mass spectrometric strategies for the investigation of biomarkers of illicit drug use in wastewater. <i>Mass Spectrometry Reviews</i> , 2018, 37, 258-280.	5.4	95
7	Comparative measurement and quantitative risk assessment of alcohol consumption through wastewater-based epidemiology: An international study in 20 cities. <i>Science of the Total Environment</i> , 2016, 565, 977-983.	8.0	85
8	Multi-year inter-laboratory exercises for the analysis of illicit drugs and metabolites in wastewater: Development of a quality control system. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 34-43.	11.4	85
9	Enantiomer profiling of high loads of amphetamine and MDMA in communal sewage: A Dutch perspective. <i>Science of the Total Environment</i> , 2014, 487, 666-672.	8.0	77
10	Risk assessment for drugs of abuse in the Dutch watercycle. <i>Water Research</i> , 2013, 47, 1848-1857.	11.3	70
11	Performance of the linear ion trap Orbitrap mass analyzer for qualitative and quantitative analysis of drugs of abuse and relevant metabolites in sewage water. <i>Analytica Chimica Acta</i> , 2013, 768, 102-110.	5.4	68
12	Qualitative screening for new psychoactive substances in wastewater collected during a city festival using liquid chromatography coupled to high-resolution mass spectrometry. <i>Chemosphere</i> , 2017, 184, 1186-1193.	8.2	67
13	Is there evidence for man-made nanoparticles in the Dutch environment?. <i>Science of the Total Environment</i> , 2017, 576, 273-283.	8.0	67
14	Occurrence and fate of illicit drugs and pharmaceuticals in wastewater from two wastewater treatment plants in Costa Rica. <i>Science of the Total Environment</i> , 2017, 599-600, 98-107.	8.0	63
15	Improving wastewater-based epidemiology to estimate cannabis use: focus on the initial aspects of the analytical procedure. <i>Analytica Chimica Acta</i> , 2017, 988, 27-33.	5.4	57
16	Transformation and Sorption of Illicit Drug Biomarkers in Sewer Systems: Understanding the Role of Suspended Solids in Raw Wastewater. <i>Environmental Science &amp; Technology</i> , 2016, 50, 13397-13408.	10.0	56
17	Surface and wastewater quality monitoring: combination of liquid chromatography with (geno)toxicity detection, diode array detection and tandem mass spectrometry for identification of pollutants. <i>Journal of Chromatography A</i> , 2002, 970, 167-181.	3.7	49
18	Changes in drug use in European cities during early COVID-19 lockdowns – A snapshot from wastewater analysis. <i>Environment International</i> , 2021, 153, 106540.	10.0	47

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19	Analysis of (Functionalized) Fullerenes in Water Samples by Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2013, 85, 5867-5874.	6.5	40
20	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. <i>Water Research</i> , 2021, 195, 116983.	11.3	40
21	Quantifying summed fullerene nC60 and related transformation products in water using LC LTQ Orbitrap MS and application to environmental samples. <i>Environment International</i> , 2011, 37, 1063-1067.	10.0	38
22	Transformation and Sorption of Illicit Drug Biomarkers in Sewer Biofilms. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10572-10584.	10.0	38
23	Qualitative screening of new psychoactive substances in pooled urine samples from Belgium and United Kingdom. <i>Science of the Total Environment</i> , 2016, 573, 1527-1535.	8.0	36
24	Wastewater-based epidemiology generated forensic information: Amphetamine synthesis waste and its impact on a small sewage treatment plant. <i>Forensic Science International</i> , 2018, 286, e1-e7.	2.2	34
25	International snapshot of new psychoactive substance use: Case study of eight countries over the 2019/2020 new year period. <i>Water Research</i> , 2021, 193, 116891.	11.3	34
26	An analytical method for determination of fullerenes and functionalized fullerenes in soils with high performance liquid chromatography and UV detection. <i>Analytica Chimica Acta</i> , 2014, 807, 159-165.	5.4	33
27	Success of rogue online pharmacies: sewage study of sildenafil in the Netherlands. <i>BMJ, The</i> , 2014, 349, g4317-g4317.	6.0	32
28	Application of wastewater-based epidemiology to investigate stimulant drug, alcohol and tobacco use in Lithuanian communities. <i>Science of the Total Environment</i> , 2021, 777, 145914.	8.0	27
29	Comparison of phosphodiesterase type V inhibitors use in eight European cities through analysis of urban wastewater. <i>Environment International</i> , 2018, 115, 279-284.	10.0	26
30	Wastewater-based tracing of doping use by the general population and amateur athletes. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1793-1803.	3.7	26
31	Determination of several fullerenes in sewage water by LC HR-MS using atmospheric pressure photoionisation. <i>Environmental Science: Nano</i> , 2015, 2, 167-176.	4.3	25
32	Facilitating high resolution mass spectrometry data processing for screening of environmental water samples: An evaluation of two deconvolution tools. <i>Science of the Total Environment</i> , 2016, 569-570, 434-441.	8.0	24
33	Asymmetrical flow field-flow fractionation hyphenated to Orbitrap high resolution mass spectrometry for the determination of (functionalised) aqueous fullerene aggregates. <i>Journal of Chromatography A</i> , 2014, 1356, 277-282.	3.7	21
34	Determination of phosphodiesterase type V inhibitors in wastewater by direct injection followed by liquid chromatography coupled to tandem mass spectrometry. <i>Science of the Total Environment</i> , 2016, 565, 140-147.	8.0	21
35	Sample preparation for combined chemical analysis and in vitro bioassay application in water quality assessment. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 1291-1303.	4.0	20
36	Size and concentration determination of (functionalised) fullerenes in surface and sewage water matrices using field flow fractionation coupled to an online accurate mass spectrometer: Method development and validation. <i>Analytica Chimica Acta</i> , 2015, 871, 77-84.	5.4	18

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37	Wastewater Analysis for Community-Wide Drugs Use Assessment. Handbook of Experimental Pharmacology, 2018, 252, 543-566.	1.8	15
38	Analysis of fullerenes in soils samples collected in The Netherlands. Environmental Pollution, 2016, 219, 47-55.	7.5	14
39	A comparison of trends in wastewater-based data and traditional epidemiological indicators of stimulant consumption in three locations. Addiction, 2020, 115, 462-472.	3.3	13
40	Chemical and bioassay assessment of waters related to hydraulic fracturing at a tight gas production site. Science of the Total Environment, 2019, 690, 636-646.	8.0	10
41	Sewage-based Epidemiology Requires a Truly Transdisciplinary Approach. Gaia, 2014, 23, 266-268.	0.7	9
42	Colloidal stability of (functionalised) fullerenes in the presence of dissolved organic carbon and electrolytes. Environmental Science: Nano, 2015, 2, 280-287.	4.3	8
43	Retrospective suspect and non-target screening combined with similarity measures to prioritize MDMA and amphetamine synthesis markers in wastewater. Science of the Total Environment, 2022, 811, 152139.	8.0	5