

Felix Hernandez

List of Publications by Year in descending order

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Version: 2024-02-01

368
papers

20,375
citations

7672

79
h-index

25230

113
g-index

373
all docs

373
docs citations

373
times ranked

15064
citing authors

#	ARTICLE	IF	CITATIONS
1	Removal efficiency for emerging contaminants in a WWTP from Madrid (Spain) after secondary and tertiary treatment and environmental impact on the Manzanares River. <i>Science of the Total Environment</i> , 2022, 812, 152567.	3.9	42
2	Development of a simple and low-cost prototype probe fully-compatible with atmospheric solids analysis probe for the analysis of human breath in real-time. <i>Microchemical Journal</i> , 2022, 174, 107086.	2.3	1
3	In-depth comparison of the metabolic and pharmacokinetic behaviour of the structurally related synthetic cannabinoids AMB-FUBINACA and AMB-CHMICA in rats. <i>Communications Biology</i> , 2022, 5, 161.	2.0	4
4	An Initial Approach to the Presence of Pharmaceuticals in Wastewater from Hospitals in Colombia and Their Environmental Risk. <i>Water (Switzerland)</i> , 2022, 14, 950.	1.2	12
5	A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. <i>Environmental Science and Technology Letters</i> , 2022, 9, 57-63.	3.9	27
6	Occurrence, impact, and elimination of contaminants of emerging concern (CECs) in soil, water, and air streams: advances and challenges in Ibero-American countries. <i>Environmental Science and Pollution Research</i> , 2022, , .	2.7	0
7	Elimination of contaminants of emerging concern and their environmental risk in world-real municipal wastewaters by electrochemical advanced oxidation processes. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107803.	3.3	8
8	Use of illicit drugs, alcohol and tobacco in Spain and Portugal during the COVID-19 crisis in 2020 as measured by wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2022, 836, 155697.	3.9	22
9	Are preserved coastal water bodies in Spanish Mediterranean basin impacted by human activity? Water quality evaluation using chemical and biological analyses. <i>Environment International</i> , 2022, 165, 107326.	4.8	4
10	Benefits of Ion Mobility Separation in GC-APCI-HRMS Screening: From the Construction of a CCS Library to the Application to Real-World Samples. <i>Analytical Chemistry</i> , 2022, 94, 9040-9047.	3.2	9
11	Monitoring the evolution of SARS-CoV-2 on a Spanish university campus through wastewater analysis: A pilot project for the reopening strategy. <i>Science of the Total Environment</i> , 2022, 845, 157370.	3.9	12
12	Analytical research of pesticide biomarkers in wastewater with application to study spatial differences in human exposure. <i>Chemosphere</i> , 2022, 307, 135684.	4.2	6
13	Assessing population exposure to phthalate plasticizers in thirteen Spanish cities through the analysis of wastewater. <i>Journal of Hazardous Materials</i> , 2021, 401, 123272.	6.5	39
14	Understanding the pharmacokinetics of synthetic cathinones: Evaluation of the blood-brain barrier permeability of 13 related compounds in rats. <i>Addiction Biology</i> , 2021, 26, e12979.	1.4	6
15	Identification of new, very long-chain polyunsaturated fatty acids in fish by gas chromatography coupled to quadrupole/time-of-flight mass spectrometry with atmospheric pressure chemical ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1039-1046.	1.9	12
16	The key role of mass spectrometry in comprehensive research on new psychoactive substances. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4673.	0.7	6
17	Chromatography hyphenated to high resolution mass spectrometry in untargeted metabolomics for investigation of food (bio)markers. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116161.	5.8	52
18	Analytical Strategy for Identification and Quantification of 13 Steroids in Sole (<i>Solea senegalensis</i>) Tissues, Eggs, and Larvae for Application in Aquaculture Studies of Reproduction. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 89-99.	1.0	1

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19	Occurrence of pharmaceutical metabolites and transformation products in the aquatic environment of the Mediterranean area. <i>Trends in Environmental Analytical Chemistry</i> , 2021, 29, e00118.	5.3	21
20	Use of ion mobility-high resolution mass spectrometry in metabolomics studies to provide near MS/MS quality data in a single injection. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4718.	0.7	4
21	Treatment of two sartan antihypertensives in water by photo-electro-Fenton using BDD anodes: Degradation kinetics, theoretical analyses, primary transformations and matrix effects. <i>Chemosphere</i> , 2021, 270, 129491.	4.2	14
22	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. <i>Water Research</i> , 2021, 195, 116983.	5.3	40
23	Ecological risk assessment of pesticides in the Mijares River (eastern Spain) impacted by citrus production using wide-scope screening and target quantitative analysis. <i>Journal of Hazardous Materials</i> , 2021, 412, 125277.	6.5	13
24	The embodiment of wastewater data for the estimation of illicit drug consumption in Spain. <i>Science of the Total Environment</i> , 2021, 772, 144794.	3.9	31
25	Treatment of wastewater effluents from Bogotá, Colombia by the photo-electro-Fenton process: Elimination of bacteria and pharmaceutical. <i>Science of the Total Environment</i> , 2021, 772, 144890.	3.9	38
26	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. <i>Water Research</i> , 2021, 199, 117167.	5.3	48
27	Wide-scope screening of pharmaceuticals, illicit drugs and their metabolites in the Amazon River. <i>Water Research</i> , 2021, 200, 117251.	5.3	27
28	Investigation of pharmaceuticals in a conventional wastewater treatment plant: Removal efficiency, seasonal variation and impact of a nearby hospital. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105548.	3.3	55
29	Changes in drug use in European cities during early COVID-19 lockdowns - A snapshot from wastewater analysis. <i>Environment International</i> , 2021, 153, 106540.	4.8	47
30	Use of CdS from Teaching-Laboratory Wastes as a Photocatalyst for the Degradation of Fluoroquinolone Antibiotics in Water. <i>Water (Switzerland)</i> , 2021, 13, 2154.	1.2	0
31	Removal of a mixture of veterinary medicinal products by adsorption onto a <i>Scenedesmus almeriensis</i> microalgae-bacteria consortium. <i>Journal of Water Process Engineering</i> , 2021, 43, 102226.	2.6	27
32	The relevant role of ion mobility separation in LC-HRMS based screening strategies for contaminants of emerging concern in the aquatic environment. <i>Chemosphere</i> , 2021, 280, 130799.	4.2	23
33	Pharmaceuticals and environmental risk assessment in municipal wastewater treatment plants and rivers from Peru. <i>Environment International</i> , 2021, 155, 106674.	4.8	64
34	Wastewater-based epidemiology as a novel tool to evaluate human exposure to pesticides: Triazines and organophosphates as case studies. <i>Science of the Total Environment</i> , 2021, 793, 148618.	3.9	18
35	Rapid and sensitive analytical method for the determination of amoxicillin and related compounds in water meeting the requirements of the European union watch list. <i>Journal of Chromatography A</i> , 2021, 1658, 462605.	1.8	13
36	Wastewater-based epidemiology for tracking human exposure to mycotoxins. <i>Journal of Hazardous Materials</i> , 2020, 382, 121108.	6.5	36

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37	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.	1.7	154
38	Investigation of pharmaceuticals and their metabolites in Brazilian hospital wastewater by LC-QTOF MS screening combined with a preliminary exposure and in silico risk assessment. <i>Science of the Total Environment</i> , 2020, 699, 134218.	3.9	40
39	Gas chromatography-mass spectrometry based untargeted volatolomics for smoked seafood classification. <i>Food Research International</i> , 2020, 137, 109698.	2.9	7
40	Direct and Fast Screening of New Psychoactive Substances Using Medical Swabs and Atmospheric Solids Analysis Probe Triple Quadrupole with Data-Dependent Acquisition. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1610-1614.	1.2	11
41	Assessing alcohol consumption through wastewater-based epidemiology: Spain as a case study. <i>Drug and Alcohol Dependence</i> , 2020, 215, 108241.	1.6	30
42	Improving Target and Suspect Screening High-Resolution Mass Spectrometry Workflows in Environmental Analysis by Ion Mobility Separation. <i>Environmental Science & Technology</i> , 2020, 54, 15120-15131.	4.6	69
43	Occurrence and ecological risks of pharmaceuticals in a Mediterranean river in Eastern Spain. <i>Environment International</i> , 2020, 144, 106004.	4.8	74
44	Sonochemical Advanced Oxidation Processes for the Removal of Pharmaceuticals in Wastewater Effluents. <i>Handbook of Environmental Chemistry</i> , 2020, , 349-381.	0.2	5
45	First nation-wide estimation of tobacco consumption in Spain using wastewater-based epidemiology. <i>Science of the Total Environment</i> , 2020, 741, 140384.	3.9	24
46	Identification of Aquifer Recharge Sources as the Origin of Emerging Contaminants in Intensive Agricultural Areas. La Plana de Castellón, Spain. <i>Water (Switzerland)</i> , 2020, 12, 731.	1.2	13
47	Enantiomeric profiling of quinolones and quinolones resistance gene qnrS in European wastewaters. <i>Water Research</i> , 2020, 175, 115653.	5.3	36
48	Metabolic profiling of four synthetic stimulants, including the novel indanyl-cathinone 5-PPDi, after human hepatocyte incubation. <i>Journal of Pharmaceutical Analysis</i> , 2020, 10, 147-156.	2.4	8
49	Monitoring psychoactive substance use at six European festivals through wastewater and pooled urine analysis. <i>Science of the Total Environment</i> , 2020, 725, 138376.	3.9	61
50	Investigation on the consumption of synthetic cannabinoids among teenagers by the analysis of herbal blends and urine samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113298.	1.4	7
51	Rapid tentative identification of synthetic cathinones in seized products taking advantage of the full capabilities of triple quadrupole analyzer. <i>Forensic Toxicology</i> , 2019, 37, 34-44.	1.4	13
52	Investigating the appearance of new psychoactive substances in South Australia using wastewater and forensic data. <i>Drug Testing and Analysis</i> , 2019, 11, 250-256.	1.6	27
53	Drug Use by Music Festival Attendees: A Novel Triangulation Approach Using Self-Reported Data and Test Results of Oral Fluid and Pooled Urine Samples. <i>Substance Use and Misuse</i> , 2019, 54, 2317-2327.	0.7	8
54	Investigation of pesticides and their transformation products in the Júcar River Hydrographical Basin (Spain) by wide-scope high-resolution mass spectrometry screening. <i>Environmental Research</i> , 2019, 177, 108570.	3.7	36

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55	Flexible high resolution-mass spectrometry approach for screening new psychoactive substances in urban wastewater. <i>Science of the Total Environment</i> , 2019, 689, 679-690.	3.9	35
56	Comparative degradation of two highly consumed antihypertensives in water by sonochemical process. Determination of the reaction zone, primary degradation products and theoretical calculations on the oxidative process. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104635.	3.8	37
57	Disruption of gut integrity and permeability contributes to enteritis in a fish-parasite model: a story told from serum metabolomics. <i>Parasites and Vectors</i> , 2019, 12, 486.	1.0	24
58	LC-MS/MS method for the determination of organophosphorus pesticides and their metabolites in salmon and zebrafish fed with plant-based feed ingredients. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7281-7291.	1.9	15
59	Bogotá River anthropogenic contamination alters microbial communities and promotes spread of antibiotic resistance genes. <i>Scientific Reports</i> , 2019, 9, 11764.	1.6	29
60	The role of analytical chemistry in exposure science: Focus on the aquatic environment. <i>Chemosphere</i> , 2019, 222, 564-583.	4.2	87
61	Characterization of a recently detected halogenated aminorex derivative: para-fluoro-4-methylaminorex (4-F-MAR). <i>Scientific Reports</i> , 2019, 9, 8314.	1.6	9
62	Study of cyanotoxin degradation and evaluation of their transformation products in surface waters by LC-QTOF MS. <i>Chemosphere</i> , 2019, 229, 538-548.	4.2	21
63	Simultaneous determination of new psychoactive substances and illicit drugs in sewage: Potential of micro-liquid chromatography tandem mass spectrometry in wastewater-based epidemiology. <i>Journal of Chromatography A</i> , 2019, 1602, 300-309.	1.8	41
64	Comprehensive investigation on synthetic cannabinoids: Metabolic behavior and potency testing, using 5F-APPICA and AMB-FUBINACA as model compounds. <i>Drug Testing and Analysis</i> , 2019, 11, 1358-1368.	1.6	24
65	Monitoring new psychoactive substances use through wastewater analysis: current situation, challenges and limitations. <i>Current Opinion in Environmental Science and Health</i> , 2019, 9, 1-12.	2.1	36
66	Effective elimination of fifteen relevant pharmaceuticals in hospital wastewater from Colombia by combination of a biological system with a sonochemical process. <i>Science of the Total Environment</i> , 2019, 670, 623-632.	3.9	88
67	Comprehensive investigation of pesticides in Brazilian surface water by high resolution mass spectrometry screening and gas chromatography-mass spectrometry quantitative analysis. <i>Science of the Total Environment</i> , 2019, 669, 248-257.	3.9	30
68	Degradation of seventeen contaminants of emerging concern in municipal wastewater effluents by sonochemical advanced oxidation processes. <i>Water Research</i> , 2019, 154, 349-360.	5.3	131
69	Contributions of MS metabolomics to gilthead sea bream (<i>Sparus aurata</i>) nutrition. Serum fingerprinting of fish fed low fish meal and fish oil diets. <i>Aquaculture</i> , 2019, 498, 503-512.	1.7	50
70	Sonochemical degradation of antibiotics from representative classes-Considerations on structural effects, initial transformation products, antimicrobial activity and matrix. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 157-165.	3.8	61
71	Occurrence of antibiotics and bacterial resistance in wastewater and sea water from the Antarctic. <i>Journal of Hazardous Materials</i> , 2019, 363, 447-456.	6.5	155
72	Comparison of phosphodiesterase type V inhibitors use in eight European cities through analysis of urban wastewater. <i>Environment International</i> , 2018, 115, 279-284.	4.8	26

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73	Wastewater-based tracing of doping use by the general population and amateur athletes. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1793-1803.	1.9	26
74	Inhibition of larval growth and adult fecundity in Asian longhorned beetle (<i>Anoplophora</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Science, 2018, 74, 1351-1361.	1.7	4
75	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.	5.8	85
76	Mass spectrometric strategies for the investigation of biomarkers of illicit drug use in wastewater. <i>Mass Spectrometry Reviews</i> , 2018, 37, 258-280.	2.8	95
77	Enantiomeric profiling of chiral illicit drugs in a pan-European study. <i>Water Research</i> , 2018, 130, 151-160.	5.3	83
78	Photo-electro-Fenton process applied to the degradation of valsartan: Effect of parameters, identification of degradation routes and mineralization in combination with a biological system. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 7302-7311.	3.3	41
79	Pharmaceutical removal from different water matrixes by Fenton process at near-neutral pH: Doehlert design and transformation products identification by UHPLC-QTOF MS using a purpose-built database. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 3951-3961.	3.3	41
80	Comprehensive overview of feed-to-fillet transfer of new and traditional contaminants in Atlantic salmon and gilthead sea bream fed plant-based diets. <i>Aquaculture Nutrition</i> , 2018, 24, 1782-1795.	1.1	18
81	Reporting the novel synthetic cathinone 5-PPDI through its analytical characterization by mass spectrometry and nuclear magnetic resonance. <i>Forensic Toxicology</i> , 2018, 36, 447-457.	1.4	14
82	Wastewater-Based Epidemiology as a Novel Biomonitoring Tool to Evaluate Human Exposure To Pollutants. <i>Environmental Science & Technology</i> , 2018, 52, 10224-10226.	4.6	49
83	What about the herb? A new metabolomics approach for synthetic cannabinoid drug testing. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5107-5112.	1.9	15
84	Wastewater Analysis for Community-Wide Drugs Use Assessment. <i>Handbook of Experimental Pharmacology</i> , 2018, 252, 543-566.	0.9	15
85	An investigation into the occurrence and removal of pharmaceuticals in Colombian wastewater™. <i>Science of the Total Environment</i> , 2018, 642, 842-853.	3.9	204
86	UHPLC-QTOF MS screening of pharmaceuticals and their metabolites in treated wastewater samples from Athens. <i>Journal of Hazardous Materials</i> , 2017, 323, 26-35.	6.5	111
87	Microbial biotransformation of five pyrrolidinophenone-type psychoactive substances in wastewater and a wastewater isolated <i>Pseudomonas putida</i> strain. <i>Drug Testing and Analysis</i> , 2017, 9, 1522-1536.	1.6	8
88	Identification and characterization of a putative new psychoactive substance, 2-(2-(4-chlorophenyl)acetamido)-3-methylbutanamide, in Spain. <i>Drug Testing and Analysis</i> , 2017, 9, 1073-1080.	1.6	14
89	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.	3.9	63
90	Mass spectrometric identification and structural analysis of the third-generation synthetic cannabinoids on the UK market since the 2013 legislative ban. <i>Forensic Toxicology</i> , 2017, 35, 376-388.	1.4	15

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91	Wastewater-based epidemiology to assess pan-European pesticide exposure. <i>Water Research</i> , 2017, 121, 270-279.	5.3	110
92	Prediction of Collision Cross-Section Values for Small Molecules: Application to Pesticide Residue Analysis. <i>Analytical Chemistry</i> , 2017, 89, 6583-6589.	3.2	93
93	Proposal of 5-methoxy- N -methyl- N -isopropyltryptamine consumption biomarkers through identification of in vivo metabolites from mice. <i>Journal of Chromatography A</i> , 2017, 1508, 95-105.	1.8	18
94	Comprehensive strategy for pesticide residue analysis through the production cycle of gilthead sea bream and Atlantic salmon. <i>Chemosphere</i> , 2017, 179, 242-253.	4.2	35
95	Monitoring a large number of pesticides and transformation products in water samples from Spain and Italy. <i>Environmental Research</i> , 2017, 156, 31-38.	3.7	66
96	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.	2.6	57
97	Updating the list of known opioids through identification and characterization of the new opioid derivative 3,4-dichloro-N-(2-(diethylamino)cyclohexyl)-N-methylbenzamide (U-49900). <i>Scientific Reports</i> , 2017, 7, 6338.	1.6	30
98	Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. <i>Science of the Total Environment</i> , 2017, 609, 1582-1588.	3.9	87
99	Liquid chromatography-tandem mass spectrometry determination of synthetic cathinones and phenethylamines in influent wastewater of eight European cities. <i>Chemosphere</i> , 2017, 168, 1032-1041.	4.2	82
100	Towards the review of the European Union Water Framework Directive: Recommendations for more efficient assessment and management of chemical contamination in European surface water resources. <i>Science of the Total Environment</i> , 2017, 576, 720-737.	3.9	255
101	Untargeted metabolomics approach for unraveling robust biomarkers of nutritional status in fasted gilthead sea bream (<i>Sparus aurata</i>). <i>PeerJ</i> , 2017, 5, e2920.	0.9	26
102	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.	3.9	24
103	Comparison of pharmaceutical, illicit drug, alcohol, nicotine and caffeine levels in wastewater with sale, seizure and consumption data for 8 European cities. <i>BMC Public Health</i> , 2016, 16, 1035.	1.2	139
104	Increased levels of the oxidative stress biomarker 8-iso-prostaglandin F ₂ ± in wastewater associated with tobacco use. <i>Scientific Reports</i> , 2016, 6, 39055.	1.6	59
105	Analytical methodologies based on LC-MS/MS for monitoring selected emerging compounds in liquid and solid phases of the sewage sludge. <i>MethodsX</i> , 2016, 3, 333-342.	0.7	18
106	Investigation of pharmaceuticals in processed animal by-products by liquid chromatography coupled to high-resolution mass spectrometry. <i>Chemosphere</i> , 2016, 154, 231-239.	4.2	18
107	Behaviour of emerging contaminants in sewage sludge after anaerobic digestion. <i>Chemosphere</i> , 2016, 163, 296-304.	4.2	59
108	Estimation of illicit drug use in the main cities of Colombia by means of urban wastewater analysis. <i>Science of the Total Environment</i> , 2016, 565, 984-993.	3.9	60

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109	Metabolomic approach for Extra virgin olive oil origin discrimination making use of ultra-high performance liquid chromatography coupled to Quadrupole time-of-flight mass spectrometry. <i>Food Control</i> , 2016, 70, 350-359.	2.8	47
110	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.	3.9	85
111	3-Fluorophenmetrazine, a fluorinated analogue of phenmetrazine: Studies on in vivo metabolism in rat and human, in vitro metabolism in human CYP isoenzymes and microbial biotransformation in <i>Pseudomonas Putida</i> and wastewater using GC and LC coupled to (HR)-MS techniques. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 485-495.	1.4	15
112	Told through the wine: A liquid chromatography-mass spectrometry interplatform comparison reveals the influence of the global approach on the final annotated metabolites in non-targeted metabolomics. <i>Journal of Chromatography A</i> , 2016, 1433, 90-97.	1.8	32
113	Assessing geographical differences in illicit drug consumption: A comparison of results from epidemiological and wastewater data in Germany and Switzerland. <i>Drug and Alcohol Dependence</i> , 2016, 161, 189-199.	1.6	51
114	Comprehensive monitoring of organic micro-pollutants in surface and groundwater in the surrounding of a solid-waste treatment plant of Castellón, Spain. <i>Science of the Total Environment</i> , 2016, 548-549, 211-220.	3.9	67
115	Potential of atmospheric pressure chemical ionization source in gas chromatography tandem mass spectrometry for the screening of urinary exogenous androgenic anabolic steroids. <i>Analytica Chimica Acta</i> , 2016, 906, 128-138.	2.6	29
116	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. <i>Forensic Toxicology</i> , 2016, 34, 144-150.	1.4	10
117	Identification of mycotoxins by UHPLC-QTOF MS in airborne fungi and fungi isolated from industrial paper and antique documents from the Archive of Bogotá. <i>Environmental Research</i> , 2016, 144, 130-138.	3.7	16
118	Biotransformation of pharmaceuticals in surface water and during waste water treatment: Identification and occurrence of transformation products. <i>Journal of Hazardous Materials</i> , 2016, 302, 175-187.	6.5	101
119	High resolution mass spectrometry to investigate omeprazole and venlafaxine metabolites in wastewater. <i>Journal of Hazardous Materials</i> , 2016, 302, 332-340.	6.5	34
120	Analytical strategy to investigate 3,4-methylenedioxypyrovalerone (MDPV) metabolites in consumers' urine by high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 151-164.	1.9	38
121	Identification of substances migrating from plastic baby bottles using a combination of low-resolution and high-resolution mass spectrometric analysers coupled to gas and liquid chromatography. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1234-1244.	0.7	35
122	Mass Spectrometric Evaluation of Mephedrone In Vivo Human Metabolism: Identification of Phase I and Phase II Metabolites, Including a Novel Succinyl Conjugate. <i>Drug Metabolism and Disposition</i> , 2015, 43, 248-257.	1.7	73
123	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. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6405-6416.	1.9	104
124	Untargeted Metabolomics in Doping Control: Detection of New Markers of Testosterone Misuse by Ultrahigh Performance Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 8373-8380.	3.2	39
125	Critical evaluation of a simple retention time predictor based on LogKow as a complementary tool in the identification of emerging contaminants in water. <i>Talanta</i> , 2015, 139, 143-149.	2.9	69
126	Exploring matrix effects in liquid chromatography-tandem mass spectrometry determination of pesticide residues in tropical fruits. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3667-3681.	1.9	26

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127	Analytical strategy based on the combination of gas chromatography coupled to time-of-flight and hybrid quadrupole time-of-flight mass analyzers for non-target analysis in food packaging. <i>Food Chemistry</i> , 2015, 188, 301-308.	4.2	39
128	Occurrence and potential transfer of mycotoxins in gilthead sea bream and Atlantic salmon by use of novel alternative feed ingredients. <i>Chemosphere</i> , 2015, 128, 314-320.	4.2	58
129	A data-independent acquisition workflow for qualitative screening of new psychoactive substances in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8773-8785.	1.9	57
130	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. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8979-8988.	1.9	60
131	A simple and rapid analytical methodology based on liquid chromatography-tandem mass spectrometry for monitoring pesticide residues in soils from Argentina. <i>Analytical Methods</i> , 2015, 7, 9504-9512.	1.3	27
132	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. <i>Science of the Total Environment</i> , 2015, 538, 934-941.	3.9	96
133	Atmospheric-Pressure Chemical Ionization Tandem Mass Spectrometry (APGC/MS/MS) an Alternative to High-Resolution Mass Spectrometry (HRGC/HRMS) for the Determination of Dioxins. <i>Analytical Chemistry</i> , 2015, 87, 9047-9053.	3.2	58
134	Novel Analytical Approach for Brominated Flame Retardants Based on the Use of Gas Chromatography-Atmospheric Pressure Chemical Ionization-Tandem Mass Spectrometry with Emphasis in Highly Brominated Congeners. <i>Analytical Chemistry</i> , 2015, 87, 9892-9899.	3.2	47
135	Fast gas chromatographic residue analysis in animal feed using split injection and atmospheric pressure chemical ionisation tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1422, 289-298.	1.8	16
136	Advancing towards universal screening for organic pollutants in waters. <i>Journal of Hazardous Materials</i> , 2015, 282, 86-95.	6.5	125
137	Fast determination of 40 drugs in water using large volume direct injection liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , 2015, 131, 719-727.	2.9	77
138	Occurrence and behavior of illicit drugs and metabolites in sewage water from the Spanish Mediterranean coast (Valencia region). <i>Science of the Total Environment</i> , 2014, 487, 703-709.	3.9	82
139	Determination of patulin in apple and derived products by UHPLC-MS/MS. Study of matrix effects with atmospheric pressure ionisation sources. <i>Food Chemistry</i> , 2014, 142, 400-407.	4.2	49
140	Investigation of cannabis biomarkers and transformation products in waters by liquid chromatography coupled to time of flight and triple quadrupole mass spectrometry. <i>Chemosphere</i> , 2014, 99, 64-71.	4.2	30
141	Investigation of pharmaceutical metabolites in environmental waters by LC-MS/MS. <i>Environmental Science and Pollution Research</i> , 2014, 21, 5496-5510.	2.7	28
142	Qualitative screening of 116 veterinary drugs in feed by liquid chromatography-high resolution mass spectrometry: Potential application to quantitative analysis. <i>Food Chemistry</i> , 2014, 160, 313-320.	4.2	68
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146	Investigation of pharmaceuticals and illicit drugs in waters by liquid chromatography-high-resolution mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 63, 140-157.	5.8	106
147	Screening of Pesticides and Polycyclic Aromatic Hydrocarbons in Feeds and Fish Tissues by Gas Chromatography Coupled to High-Resolution Mass Spectrometry Using Atmospheric Pressure Chemical Ionization. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2165-2174.	2.4	92
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151	Improvements in analytical methodology for the determination of frequently consumed illicit drugs in urban wastewater. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4261-4272.	1.9	50
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154	Metabolomic approaches for orange origin discrimination by ultra-high performance liquid chromatography coupled to quadrupole time-of-flight mass spectrometry. <i>Food Chemistry</i> , 2014, 157, 84-93.	4.2	85
155	Could Spice Drugs Induce Psychosis With Abnormal Movements Similar to Catatonia?. <i>Psychiatry (New Tj ETQq1 1.0,784314,rgBT /Ove</i>	0.3	12
156	Determination of 17 β -estradiol and 17 α -ethinylestradiol in water at sub-ppt levels by liquid chromatography coupled to tandem mass spectrometry. <i>Analytical Methods</i> , 2014, 6, 5028.	1.3	25
157	N-Acetylcysteine boosts xenobiotic detoxification in shellfish. <i>Aquatic Toxicology</i> , 2014, 154, 131-140.	1.9	16
158	Comprehensive analytical strategies based on high-resolution time-of-flight mass spectrometry to identify new psychoactive substances. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 57, 107-117.	5.8	67
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188	Target and non-target screening strategies for organic contaminants, residues and illicit substances in food, environmental and human biological samples by UHPLC-QTOF-MS. <i>Analytical Methods</i> , 2012, 4, 196-209.	1.3	130
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257	Re-evaluation of glyphosate determination in water by liquid chromatography coupled to electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1134, 51-55.	1.8	115
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259	Multiresidue liquid chromatography tandem mass spectrometry determination of 52 non gas chromatography-amenable pesticides and metabolites in different food commodities. <i>Journal of Chromatography A</i> , 2006, 1109, 242-252.	1.8	200
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278	Simultaneous determination of arsenic and selenium species in phosphoric acid extracts of sediment samples by HPLC-ICP-MS. <i>Analytica Chimica Acta</i> , 2004, 527, 97-104.	2.6	68
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294	Direct determination of alkyl phosphates in human urine by liquid chromatography/electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 1766-1773.	0.7	66
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296	Multiresidue determination of organophosphorus and organochlorine pesticides in human biological fluids by capillary gas chromatography. <i>Fresenius' Journal of Analytical Chemistry</i> , 2001, 369, 502-509.	1.5	20
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345	Solid-phase extraction of pesticide residues from ground water: comparison between extraction cartridges and extraction discs. <i>Analytica Chimica Acta</i> , 1993, 283, 297-303.	2.6	56
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