

Felix Hernandez

List of Publications by Year in descending order

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368
papers

20,375
citations

6613

79
h-index

22166

113
g-index

373
all docs

373
docs citations

373
times ranked

13844
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	Occurrence and removal of pharmaceuticals in wastewater treatment plants at the Spanish Mediterranean area of Valencia. <i>Chemosphere</i> , 2012, 87, 453-462.	8.2	351
3	Evaluation of Uncertainties Associated with the Determination of Community Drug Use through the Measurement of Sewage Drug Biomarkers. <i>Environmental Science & Technology</i> , 2013, 47, 1452-1460.	10.0	320
4	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
5	Solid-phase microextraction in pesticide residue analysis. <i>Journal of Chromatography A</i> , 2000, 885, 389-404.	3.7	273
6	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.	8.0	255
7	Current use of high-resolution mass spectrometry in the environmental sciences. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1251-1264.	3.7	221
8	Critical review of the application of liquid chromatography/mass spectrometry to the determination of pesticide residues in biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 934-946.	3.7	220
9	Residue determination of glyphosate, glufosinate and aminomethylphosphonic acid in water and soil samples by liquid chromatography coupled to electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2005, 1081, 145-155.	3.7	213
10	An investigation into the occurrence and removal of pharmaceuticals in Colombian wastewater. <i>Science of the Total Environment</i> , 2018, 642, 842-853.	8.0	204
11	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.	3.7	200
12	Multi-class determination of around 50 pharmaceuticals, including 26 antibiotics, in environmental and wastewater samples by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 2264-2275.	3.7	180
13	Rapid non-target screening of organic pollutants in water by ultraperformance liquid chromatography coupled to time-of-flight mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 481-489.	11.4	174
14	Residue determination of cyromazine and its metabolite melamine in chard samples by ion-pair liquid chromatography coupled to electrospray tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2005, 530, 237-243.	5.4	168
15	Use of Solid-Phase Microextraction for the Quantitative Determination of Herbicides in Soil and Water Samples. <i>Analytical Chemistry</i> , 2000, 72, 2313-2322.	6.5	167
16	Antibiotic residue determination in environmental waters by LC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 466-485.	11.4	166
17	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. <i>Journal of Chromatography A</i> , 2009, 1216, 3078-3089.	3.7	164
18	Occurrence of antibiotics and bacterial resistance in wastewater and sea water from the Antarctic. <i>Journal of Hazardous Materials</i> , 2019, 363, 447-456.	12.4	155

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19	Efficient approach for the reliable quantification and confirmation of antibiotics in water using on-line solid-phase extraction liquid chromatography/tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1103, 83-93.	3.7	154
20	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
21	Strategies for quantification and confirmation of multi-class polar pesticides and transformation products in water by LC-MS ² using triple quadrupole and hybrid quadrupole time-of-flight analyzers. <i>TrAC - Trends in Analytical Chemistry</i> , 2005, 24, 596-612.	11.4	153
22	UHPLC-MS/MS highly sensitive determination of aflatoxins, the aflatoxin metabolite M1 and ochratoxin A in baby food and milk. <i>Food Chemistry</i> , 2011, 126, 737-744.	8.2	140
23	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.	2.9	139
24	Application of ultra-high-pressure liquid chromatography-tandem mass spectrometry to the determination of multi-class pesticides in environmental and wastewater samples. <i>Journal of Chromatography A</i> , 2009, 1216, 1410-1420.	3.7	138
25	Combined use of liquid chromatography triple quadrupole mass spectrometry and liquid chromatography quadrupole time-of-flight mass spectrometry in systematic screening of pesticides and other contaminants in water samples. <i>Analytica Chimica Acta</i> , 2013, 761, 117-127.	5.4	138
26	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
27	Simultaneous determination of acidic, neutral and basic pharmaceuticals in urban wastewater by ultra high-pressure liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 622-632.	3.7	133
28	Comparison of Different Mass Spectrometric Techniques Combined with Liquid Chromatography for Confirmation of Pesticides in Environmental Water Based on the Use of Identification Points. <i>Analytical Chemistry</i> , 2004, 76, 4349-4357.	6.5	132
29	Use of quadrupole time-of-flight mass spectrometry in the elucidation of unknown compounds present in environmental water. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 169-178.	1.5	132
30	Degradation of seventeen contaminants of emerging concern in municipal wastewater effluents by sonochemical advanced oxidation processes. <i>Water Research</i> , 2019, 154, 349-360.	11.3	131
31	Solid-phase microextraction for quantitative analysis of organophosphorus pesticides in environmental water samples. <i>Journal of Chromatography A</i> , 1998, 808, 257-263.	3.7	130
32	Gas chromatography coupled to high-resolution time-of-flight mass spectrometry to analyze trace-level organic compounds in the environment, food safety and toxicology. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 388-400.	11.4	130
33	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.	2.7	130
34	Advancing towards universal screening for organic pollutants in waters. <i>Journal of Hazardous Materials</i> , 2015, 282, 86-95.	12.4	125
35	Rapid direct determination of pesticides and metabolites in environmental water samples at sub-1/4g/l level by on-line solid-phase extraction-liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 939, 1-11.	3.7	124
36	Multielemental determination of arsenic, selenium and chromium(VI) species in water by high-performance liquid chromatography-inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 926, 265-274.	3.7	121

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37	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.	3.7	115
38	Determination of priority organic micro-pollutants in water by gas chromatography coupled to triple quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2007, 583, 246-258.	5.4	115
39	Removal of emerging contaminants in sewage water subjected to advanced oxidation with ozone. <i>Journal of Hazardous Materials</i> , 2013, 260, 389-398.	12.4	113
40	Determination of mycotoxins in different food commodities by ultra-high-pressure liquid chromatography coupled to triple quadrupole mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1801-1809.	1.5	112
41	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.	12.4	111
42	Wastewater-based epidemiology to assess pan-European pesticide exposure. <i>Water Research</i> , 2017, 121, 270-279.	11.3	110
43	Screening of antibiotics in surface and wastewater samples by ultra-high-pressure liquid chromatography coupled to hybrid quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 2529-2539.	3.7	108
44	Determination of melamine in milk-based products and other food and beverage products by ion-pair liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2009, 649, 91-97.	5.4	107
45	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.	11.4	106
46	Multi-class determination of personal care products and pharmaceuticals in environmental and wastewater samples by ultra-high performance liquid-chromatography-tandem mass spectrometry. <i>Talanta</i> , 2012, 99, 1011-1023.	5.5	105
47	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.	3.7	104
48	Rapid determination of glufosinate, glyphosate and aminomethylphosphonic acid in environmental water samples using precolumn fluorogenic labeling and coupled-column liquid chromatography. <i>Journal of Chromatography A</i> , 1996, 737, 75-83.	3.7	102
49	Confirmation of organic micropollutants detected in environmental samples by liquid chromatography tandem mass spectrometry: Achievements and pitfalls. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 1030-1042.	11.4	101
50	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.	12.4	101
51	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. <i>Analytica Chimica Acta</i> , 2011, 684, 96-106.	5.4	100
52	Target and Nontarget Screening of Organic Micropollutants in Water by Solid-Phase Microextraction Combined with Gas Chromatography/High-Resolution Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 9494-9504.	6.5	97
53	Potential of atmospheric pressure chemical ionization source in GC-QTOF MS for pesticide residue analysis. <i>Journal of Mass Spectrometry</i> , 2010, 45, 926-936.	1.6	97
54	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.	8.0	96

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55	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
56	Application of head-space solid-phase microextraction coupled to comprehensive two-dimensional gas chromatography–time-of-flight mass spectrometry for the determination of multiple pesticide residues in tea samples. <i>Analytica Chimica Acta</i> , 2008, 611, 163-172.	5.4	94
57	Adsorption of atrazine, simazine, and glyphosate in soils of the Gngangara Mound, Western Australia. <i>Soil Research</i> , 1996, 34, 599.	1.1	93
58	Use of Liquid Chromatography Coupled to Quadrupole Time-of-Flight Mass Spectrometry To Investigate Pesticide Residues in Fruits. <i>Analytical Chemistry</i> , 2007, 79, 2833-2843.	6.5	93
59	Prediction of Collision Cross-Section Values for Small Molecules: Application to Pesticide Residue Analysis. <i>Analytical Chemistry</i> , 2017, 89, 6583-6589.	6.5	93
60	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.	5.2	92
61	Direct liquid chromatography–tandem mass spectrometry determination of underivatized glyphosate in rice, maize and soybean. <i>Journal of Chromatography A</i> , 2013, 1313, 157-165.	3.7	90
62	Collision-induced dissociation of 3 α -keto anabolic steroids and related compounds after electrospray ionization. Considerations for structural elucidation. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 4009-4024.	1.5	89
63	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.	8.0	88
64	Gas chromatographic determination of organochlorine and organophosphorus pesticides in human fluids using solid phase microextraction. <i>Analytica Chimica Acta</i> , 2001, 433, 217-226.	5.4	87
65	Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. <i>Science of the Total Environment</i> , 2017, 609, 1582-1588.	8.0	87
66	The role of analytical chemistry in exposure science: Focus on the aquatic environment. <i>Chemosphere</i> , 2019, 222, 564-583.	8.2	87
67	Study of matrix effects on the direct trace analysis of acidic pesticides in water using various liquid chromatographic modes coupled to tandem mass spectrometric detection. <i>Journal of Chromatography A</i> , 2001, 926, 113-125.	3.7	86
68	Fragmentation pathways of drugs of abuse and their metabolites based on QTOF MS/MS and MSE accurate-mass spectra. <i>Journal of Mass Spectrometry</i> , 2011, 46, 865-875.	1.6	86
69	Microwave-assisted solvent extraction and reversed-phase liquid chromatography–UV detection for screening soils for sulfonylurea herbicides. <i>Journal of Chromatography A</i> , 1998, 798, 179-186.	3.7	85
70	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.	8.2	85
71	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
72	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

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73	Enantiomeric profiling of chiral illicit drugs in a pan-European study. <i>Water Research</i> , 2018, 130, 151-160.	11.3	83
74	Strategies in Using Analytical Restricted Access Media Columns for the Removal of Humic Acid Interferences in the Trace Analysis of Acidic Herbicides in Water Samples by Coupled Column Liquid Chromatography with UV Detection. <i>Analytical Chemistry</i> , 1999, 71, 1111-1118.	6.5	82
75	Simultaneous determination of arsenic species and chromium(VI) by high-performance liquid chromatography–inductively coupled plasma-mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 912, 319-327.	3.7	82
76	Investigation of pesticide metabolites in food and water by LC-TOF-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 862-872.	11.4	82
77	Application of gas chromatography time-of-flight mass spectrometry for target and non-target analysis of pesticide residues in fruits and vegetables. <i>Journal of Chromatography A</i> , 2012, 1244, 168-177.	3.7	82
78	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.	8.0	82
79	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.	8.2	82
80	Coupled-Column Liquid Chromatography Applied to the Trace-Level Determination of Triazine Herbicides and Some of Their Metabolites in Water Samples. <i>Analytical Chemistry</i> , 1998, 70, 3322-3328.	6.5	81
81	Potential of liquid chromatography/time-of-flight mass spectrometry for the determination of pesticides and transformation products in water. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 987-997.	3.7	81
82	Retrospective LC–QTOF–MS analysis searching for pharmaceutical metabolites in urban wastewater. <i>Journal of Separation Science</i> , 2011, 34, 3517-3526.	2.5	81
83	Application of solid-phase microextraction for the determination of pyrethroid residues in vegetable samples by GC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 502-511.	3.7	80
84	Use of Quadrupole Time-of-Flight Mass Spectrometry in Environmental Analysis: Elucidation of Transformation Products of Triazine Herbicides in Water after UV Exposure. <i>Analytical Chemistry</i> , 2004, 76, 1328-1335.	6.5	79
85	Multi-residue determination of 130 multiclass pesticides in fruits and vegetables by gas chromatography coupled to triple quadrupole tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2873-2891.	3.7	79
86	Determination of the herbicide 4-chloro-2-methylphenoxyacetic acid and its main metabolite, 4-chloro-2-methylphenol in water and soil by liquid chromatography–electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 923, 75-85.	3.7	78
87	Fast determination of 40 drugs in water using large volume direct injection liquid chromatography–tandem mass spectrometry. <i>Talanta</i> , 2015, 131, 719-727.	5.5	77
88	Direct determination of chlorpyrifos and its main metabolite 3,5,6-trichloro-2-pyridinol in human serum and urine by coupled-column liquid chromatography/electrospray-tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1485-1490.	1.5	74
89	Development of sensitive and rapid analytical methodology for food analysis of 18 mycotoxins included in a total diet study. <i>Analytica Chimica Acta</i> , 2013, 783, 39-48.	5.4	74
90	Occurrence and ecological risks of pharmaceuticals in a Mediterranean river in Eastern Spain. <i>Environment International</i> , 2020, 144, 106004.	10.0	74

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91	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.	3.3	73
92	Quantification, confirmation and screening capability of UHPLC coupled to triple quadrupole and hybrid quadrupole time-of-flight mass spectrometry in pesticide residue analysis. <i>Journal of Mass Spectrometry</i> , 2010, 45, 421-436.	1.6	72
93	Development and validation of a rapid and wide-scope qualitative screening method for detection and identification of organic pollutants in natural water and wastewater by gas chromatography time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 303-315.	3.7	72
94	Advantages of Atmospheric Pressure Chemical Ionization in Gas Chromatography Tandem Mass Spectrometry: Pyrethroid Insecticides as a Case Study. <i>Analytical Chemistry</i> , 2012, 84, 9802-9810.	6.5	72
95	Determination of eight nitrosamines in water at the ng L ⁻¹ levels by liquid chromatography coupled to atmospheric pressure chemical ionization tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 702, 62-71.	5.4	71
96	Use of electron ionization and atmospheric pressure chemical ionization in gas chromatography coupled to time-of-flight mass spectrometry for screening and identification of organic pollutants in waters. <i>Journal of Chromatography A</i> , 2014, 1339, 145-153.	3.7	71
97	Determination of six microcystins and nodularin in surface and drinking waters by on-line solid phase extraction-ultra high pressure liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2012, 1266, 61-68.	3.7	70
98	Risk assessment for drugs of abuse in the Dutch watercycle. <i>Water Research</i> , 2013, 47, 1848-1857.	11.3	70
99	Qualitative validation of a liquid chromatography-quadrupole-time of flight mass spectrometry screening method for organic pollutants in waters. <i>Journal of Chromatography A</i> , 2013, 1276, 47-57.	3.7	69
100	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.	5.5	69
101	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.	10.0	69
102	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.	5.4	68
103	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
104	Improvements in the analytical methodology for the residue determination of the herbicide glyphosate in soils by liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1292, 132-141.	3.7	68
105	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.	8.2	68
106	Different quantitation approaches for xenobiotics in human urine samples by liquid chromatography/electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 639-645.	1.5	67
107	The even-electron rule in electrospray mass spectra of pesticides. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3855-3868.	1.5	67
108	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.	11.4	67

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109	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.	8.0	67
110	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.	1.5	66
111	Analytical strategy based on the use of liquid chromatography and gas chromatography with triple-quadrupole and time-of-flight MS analyzers for investigating organic contaminants in wastewater. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2763-2776.	3.7	66
112	Monitoring a large number of pesticides and transformation products in water samples from Spain and Italy. <i>Environmental Research</i> , 2017, 156, 31-38.	7.5	66
113	Liquid chromatography and tandem mass spectrometry: a powerful approach for the sensitive and rapid multiclass determination of pesticides and transformation products in water. <i>Analyst</i> , The, 2004, 129, 38-44.	3.5	65
114	Improved coupled-column liquid chromatographic method for the determination of glyphosate and aminomethylphosphonic acid residues in environmental waters. <i>Journal of Chromatography A</i> , 2004, 1035, 153-157.	3.7	64
115	Pharmaceuticals and environmental risk assessment in municipal wastewater treatment plants and rivers from Peru. <i>Environment International</i> , 2021, 155, 106674.	10.0	64
116	Application of multiple headspace-solid-phase microextraction followed by gas chromatography-mass spectrometry to quantitative analysis of tomato aroma components. <i>Journal of Chromatography A</i> , 2009, 1216, 127-133.	3.7	63
117	Application of gas chromatography-(triple quadrupole) mass spectrometry with atmospheric pressure chemical ionization for the determination of multiclass pesticides in fruits and vegetables. <i>Journal of Chromatography A</i> , 2013, 1314, 224-240.	3.7	63
118	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
119	Headspace solid-phase microextraction in combination with gas chromatography and tandem mass spectrometry for the determination of organochlorine and organophosphorus pesticides in whole human blood. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 769, 65-77.	2.3	62
120	The role of GC-MS/MS with triple quadrupole in pesticide residue analysis in food and the environment. <i>Analytical Methods</i> , 2013, 5, 5875.	2.7	62
121	Determination of abamectin and azadirachtin residues in orange samples by liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 992, 133-140.	3.7	61
122	Use of time-of-flight mass spectrometry for large screening of organic pollutants in surface waters and soils from a rice production area in Colombia. <i>Science of the Total Environment</i> , 2012, 439, 249-259.	8.0	61
123	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.	8.2	61
124	Monitoring psychoactive substance use at six European festivals through wastewater and pooled urine analysis. <i>Science of the Total Environment</i> , 2020, 725, 138376.	8.0	61
125	Levels of heavy metals in some marine organisms from the western Mediterranean area (Spain). <i>Marine Pollution Bulletin</i> , 1994, 28, 50-53.	5.0	60
126	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.	3.7	60

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127	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.	8.0	60
128	Increased levels of the oxidative stress biomarker 8-iso-prostaglandin F ₂ I ₂ in wastewater associated with tobacco use. <i>Scientific Reports</i> , 2016, 6, 39055.	3.3	59
129	Behaviour of emerging contaminants in sewage sludge after anaerobic digestion. <i>Chemosphere</i> , 2016, 163, 296-304.	8.2	59
130	Rapid multiresidue determination of organochlorine and organophosphorus compounds in human serum by solid-phase extraction and gas chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 376, 189-197.	3.7	58
131	An estimation of the exposure to organophosphorus pesticides through the simultaneous determination of their main metabolites in urine by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 808, 229-239.	2.3	58
132	Qualitative Screening of Undesirable Compounds from Feeds to Fish by Liquid Chromatography Coupled to Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2077-2087.	5.2	58
133	Validation of a qualitative screening method for pesticides in fruits and vegetables by gas chromatography quadrupole-time of flight mass spectrometry with atmospheric pressure chemical ionization. <i>Analytica Chimica Acta</i> , 2014, 838, 76-85.	5.4	58
134	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.	8.2	58
135	Atmospheric-Pressure Chemical Ionization Tandem Mass Spectrometry (APCC/MS/MS) an Alternative to High-Resolution Mass Spectrometry (HRGC/HRMS) for the Determination of Dioxins. <i>Analytical Chemistry</i> , 2015, 87, 9047-9053.	6.5	58
136	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.	3.7	57
137	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
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