

Felix Hernandez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7788033/publications.pdf>

Version: 2024-02-01

368
papers

20,375
citations

6606

79
h-index

22147

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.	3.9	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.	4.2	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.	4.6	320
4	Spatial differences and temporal changes in illicit drug use in Europe quantified by wastewater analysis. <i>Addiction</i> , 2014, 109, 1338-1352.	1.7	319
5	Solid-phase microextraction in pesticide residue analysis. <i>Journal of Chromatography A</i> , 2000, 885, 389-404.	1.8	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.	3.9	255
7	Current use of high-resolution mass spectrometry in the environmental sciences. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1251-1264.	1.9	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.	1.9	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.	1.8	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.	3.9	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.	1.8	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.	1.8	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.	5.8	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.	2.6	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.	3.2	167
16	Antibiotic residue determination in environmental waters by LC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 466-485.	5.8	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.	1.8	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.	6.5	155

#	ARTICLE	IF	CITATIONS
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.	1.8	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.	1.7	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.	5.8	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.	4.2	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.	1.2	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.	1.8	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.	2.6	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.	4.2	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.	1.8	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.	3.2	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.	0.7	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.	5.3	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.	1.8	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.	5.8	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.	1.3	130
34	Advancing towards universal screening for organic pollutants in waters. <i>Journal of Hazardous Materials</i> , 2015, 282, 86-95.	6.5	125
35	Rapid direct determination of pesticides and metabolites in environmental water samples at sub- $\mu\text{g/l}$ level by on-line solid-phase extraction-liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2001, 939, 1-11.	1.8	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.	1.8	121

#	ARTICLE	IF	CITATIONS
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.	1.8	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.	2.6	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.	6.5	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.	0.7	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.	6.5	111
42	Wastewater-based epidemiology to assess pan-European pesticide exposure. <i>Water Research</i> , 2017, 121, 270-279.	5.3	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.	1.8	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.	2.6	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.	5.8	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.	2.9	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.	1.9	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.	1.8	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.	5.8	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.	6.5	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.	2.6	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.	3.2	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.	0.7	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.	3.9	96

#	ARTICLE	IF	CITATIONS
55	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
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.	2.6	94
57	Adsorption of atrazine, simazine, and glyphosate in soils of the Gngangara Mound, Western Australia. <i>Soil Research</i> , 1996, 34, 599.	0.6	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.	3.2	93
59	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
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.	2.4	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.	1.8	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.	0.7	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.	3.9	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.	2.6	87
65	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
66	The role of analytical chemistry in exposure science: Focus on the aquatic environment. <i>Chemosphere</i> , 2019, 222, 564-583.	4.2	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.	1.8	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.	0.7	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.	1.8	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.	4.2	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.	3.9	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.	5.8	85

#	ARTICLE	IF	CITATIONS
73	Enantiomeric profiling of chiral illicit drugs in a pan-European study. <i>Water Research</i> , 2018, 130, 151-160.	5.3	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.	3.2	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.	1.8	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.	5.8	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.	1.8	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.	3.9	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.	4.2	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.	3.2	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.	1.9	81
82	Retrospective LC–QTOF–MS analysis searching for pharmaceutical metabolites in urban wastewater. <i>Journal of Separation Science</i> , 2011, 34, 3517-3526.	1.3	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.	1.9	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.	3.2	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.	1.9	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.	1.8	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.	2.9	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.	0.7	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.	2.6	74
90	Occurrence and ecological risks of pharmaceuticals in a Mediterranean river in Eastern Spain. <i>Environment International</i> , 2020, 144, 106004.	4.8	74

#	ARTICLE	IF	CITATIONS
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.	1.7	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.	0.7	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.	1.8	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.	3.2	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.	2.6	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.	1.8	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.	1.8	70
98	Risk assessment for drugs of abuse in the Dutch watercycle. <i>Water Research</i> , 2013, 47, 1848-1857.	5.3	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.	1.8	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.	2.9	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.	4.6	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.	2.6	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.	2.6	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.	1.8	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.	4.2	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.	0.7	67
107	The even-electron rule in electrospray mass spectra of pesticides. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3855-3868.	0.7	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.	5.8	67

#	ARTICLE	IF	CITATIONS
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.	3.9	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.	0.7	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.	1.9	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.	3.7	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.	1.7	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.	1.8	64
115	Pharmaceuticals and environmental risk assessment in municipal wastewater treatment plants and rivers from Peru. <i>Environment International</i> , 2021, 155, 106674.	4.8	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.	1.8	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.	1.8	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.	3.9	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.	1.2	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.	1.3	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.	1.8	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.	3.9	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.	3.8	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.	3.9	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.	2.3	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.	1.9	60

#	ARTICLE	IF	CITATIONS
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.	3.9	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.	1.6	59
129	Behaviour of emerging contaminants in sewage sludge after anaerobic digestion. <i>Chemosphere</i> , 2016, 163, 296-304.	4.2	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.	1.9	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.	1.2	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.	2.4	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.	2.6	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.	4.2	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.	3.2	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.	1.9	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.	2.6	57
138	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
139	Detection and structural investigation of metabolites of stanozolol in human urine by liquid chromatography tandem mass spectrometry. <i>Steroids</i> , 2009, 74, 837-852.	0.8	56
140	Analytical study on the determination of boron in environmental water samples. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 346, 984-987.	1.5	55
141	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
142	Improved gas chromatography-tandem mass spectrometry determination of pesticide residues making use of atmospheric pressure chemical ionization. <i>Journal of Chromatography A</i> , 2012, 1260, 183-192.	1.8	54
143	Biomagnification Study on Organochlorine Compounds in Marine Aquaculture: The Sea Bass (<i>Dicentrarchus labrax</i>) as a Model. <i>Environmental Science & Technology</i> , 2003, 37, 3375-3381.	4.6	53
144	Simultaneous determination of triazines and their main transformation products in surface and urban wastewater by ultra-high-pressure liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2791-2805.	1.9	52

#	ARTICLE	IF	CITATIONS
145	Building an empirical mass spectra library for screening of organic pollutants by ultra-high-pressure liquid chromatography/hybrid quadrupole time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 355-369.	0.7	52
146	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
147	Quantification and confirmation of anionic, cationic and neutral pesticides and transformation products in water by on-line solid phase extraction-liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1133, 204-214.	1.8	51
148	Use of ultra-high-pressure liquid chromatography-quadrupole time-of-flight MS to discover the presence of pesticide metabolites in food samples. <i>Journal of Separation Science</i> , 2009, 32, 2245-2261.	1.3	51
149	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
150	Determination of tridemorph and other fungicide residues in fruit samples by liquid chromatography-electrospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1045, 137-143.	1.8	50
151	Detection and Characterization of a New Metabolite of 17 β -Methyltestosterone. <i>Drug Metabolism and Disposition</i> , 2009, 37, 2153-2162.	1.7	50
152	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
153	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
154	Searching for anthropogenic contaminants in human breast adipose tissues using gas chromatography-time-of-flight mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2009, 44, 1-11.	0.7	49
155	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
156	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
157	Rapid determination of glufosinate in environmental water samples using 9-fluorenylmethoxycarbonyl precolumn derivatization, large-volume injection and coupled-column liquid chromatography. <i>Journal of Chromatography A</i> , 1994, 678, 59-67.	1.8	48
158	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
159	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
160	Metabolomic approach for Extra virgin olive oil origin discrimination making use of ultra-high performance liquid chromatography-Quadrupole time-of-flight mass spectrometry. <i>Food Control</i> , 2016, 70, 350-359.	2.8	47
161	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
162	Evaluation of different quantitative approaches for the determination of noneasily ionizable molecules by different atmospheric pressure interfaces used in liquid chromatography tandem mass spectrometry: Abamectin as case of study. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1619-1630.	1.2	46

#	ARTICLE	IF	CITATIONS
163	Investigating the presence of pesticide transformation products in water by using liquid chromatography–mass spectrometry with different mass analyzers. <i>Journal of Mass Spectrometry</i> , 2008, 43, 173-184.	0.7	46
164	Comparison between triple quadrupole, time of flight and hybrid quadrupole time of flight analysers coupled to liquid chromatography for the detection of anabolic steroids in doping control analysis. <i>Analytica Chimica Acta</i> , 2011, 684, 107-120.	2.6	46
165	Trace determination of triazine herbicides by means of coupled-column liquid chromatography and large volume injection. <i>Analytica Chimica Acta</i> , 1997, 338, 223-229.	2.6	45
166	Use of liquid chromatography quadrupole time-of-flight mass spectrometry in the elucidation of transformation products and metabolites of pesticides. Diazinon as a case study. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 384, 448-457.	1.9	45
167	Optimisation and validation of a specific analytical method for the determination of thiram residues in fruits and vegetables by LC–MS/MS. <i>Food Chemistry</i> , 2012, 135, 186-192.	4.2	45
168	Investigation of degradation products of cocaine and benzoylecgonine in the aquatic environment. <i>Science of the Total Environment</i> , 2013, 443, 200-208.	3.9	45
169	Screening and quantification of pesticide residues in fruits and vegetables making use of gas chromatography–quadrupole time-of-flight mass spectrometry with atmospheric pressure chemical ionization. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 6843-6855.	1.9	44
170	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
171	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
172	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
173	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
174	Increase in the sensitivity of the fluorescent reaction of the complexing of aluminium with morin using surfactant agents. <i>Analyst, The</i> , 1983, 108, 1386.	1.7	40
175	Effect of flow rate on the adsorption and desorption of glyphosate, simazine and atrazine in columns of sandy soils. <i>European Journal of Soil Science</i> , 1998, 49, 149-156.	1.8	40
176	Determination of low concentrations of organochlorine pesticides and PCBs in fish feed and fish tissues from aquaculture activities by gas chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2003, 26, 75-86.	1.3	40
177	GC–MS/MS multi-residue method for the determination of organochlorine pesticides, polychlorinated biphenyls and polybrominated diphenyl ethers in human breast tissues. <i>Journal of Separation Science</i> , 2009, 32, 2090-2102.	1.3	40
178	Combined Use of GC-TOF MS and UHPLC-(Q)TOF MS To Investigate the Presence of Nontarget Pollutants and Their Metabolites in a Case of Honeybee Poisoning. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4079-4090.	2.4	40
179	Determination of volatile organic compounds in water by headspace solid-phase microextraction gas chromatography coupled to tandem mass spectrometry with triple quadrupole analyzer. <i>Analytica Chimica Acta</i> , 2011, 704, 87-97.	2.6	40
180	Non-target screening of organic contaminants in marine salts by gas chromatography coupled to high-resolution time-of-flight mass spectrometry. <i>Talanta</i> , 2011, 85, 877-884.	2.9	40

#	ARTICLE	IF	CITATIONS
181	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
182	New psychoactive substances in several European populations assessed by wastewater-based epidemiology. <i>Water Research</i> , 2021, 195, 116983.	5.3	40
183	Gas and liquid chromatography and enzyme linked immuno sorbent assay in pesticide monitoring of surface water from the western mediterranean (Comunidad Valenciana, Spain). <i>Chromatographia</i> , 1996, 42, 151-158.	0.7	39
184	Potential of Gas Chromatography Coupled To Triple Quadrupole Mass Spectrometry for Quantification and Confirmation of Organohalogen Xenoestrogen Compounds in Human Breast Tissues. <i>Analytical Chemistry</i> , 2005, 77, 7662-7672.	3.2	39
185	Pesticide residues and transformation products in groundwater from a Spanish agricultural region on the Mediterranean Coast. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 409-424.	1.8	39
186	Multi-residue determination of pesticides in tropical fruits using liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2287-2300.	1.9	39
187	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
188	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
189	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
190	Rapid Determination of Glyphosate Residues and Its Main Metabolite Ampa in Soil Samples by Liquid Chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 1996, 62, 53-63.	1.8	38
191	Rapid Determination of Fosetyl-Aluminum Residues in Lettuce by Liquid Chromatography/Electrospray Tandem Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2003, 86, 832-838.	0.7	38
192	Analytical strategy to investigate 3,4-methylenedioxypropylvalerone (MDPV) metabolites in consumers' urine by high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 151-164.	1.9	38
193	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
194	Methodical approach for the use of GC-QTOF MS for screening and confirmation of organic pollutants in environmental water. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1175-1185.	0.7	37
195	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
196	Multi-residue procedure for the analysis of pesticides in groundwater: Application to samples from the comunidad Valenciana, Spain. <i>Chromatographia</i> , 1993, 37, 303-312.	0.7	36
197	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
198	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

#	ARTICLE	IF	CITATIONS
199	Wastewater-based epidemiology for tracking human exposure to mycotoxins. <i>Journal of Hazardous Materials</i> , 2020, 382, 121108.	6.5	36
200	Enantiomeric profiling of quinolones and quinolones resistance gene qnrS in European wastewaters. <i>Water Research</i> , 2020, 175, 115653.	5.3	36
201	Fluorimetric determination of aluminium with morin after extraction with isobutyl methyl ketone. Part I. Fluorescence of the aluminium-morin complex in an isobutyl methyl ketone-ethanol-water system. <i>Analyst</i> , 1984, 109, 1585.	1.7	35
202	Bioconcentration of Chlorpyrifos, Chlorfenvinphos, and Methidathion in <i>Mytilus galloprovincialis</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 1997, 59, 968-975.	1.3	35
203	Comparison of simplified methods for pesticide residue analysis. <i>Journal of Chromatography A</i> , 1998, 823, 25-33.	1.8	35
204	Determination of Glyphosate Residues in Plants by Precolumn Derivatization and Coupled-Column Liquid Chromatography with Fluorescence Detection. <i>Journal of AOAC INTERNATIONAL</i> , 2000, 83, 728-734.	0.7	35
205	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
206	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
207	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
208	Residue Determination of Captan and Folpet in Vegetable Samples by Gas Chromatography/Negative Chemical Ionization Mass Spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2006, 89, 1080-1087.	0.7	34
209	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
210	Determination of lead in treated crayfish <i>Procambarus clarkii</i> : Accumulation in different tissues. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1988, 41, 412-418.	1.3	33
211	Persistent Organochlorines and Organophosphorus Compounds and Heavy Elements in Common Whale (<i>Balaenoptera physalus</i>) from the Western Mediterranean Sea. <i>Marine Pollution Bulletin</i> , 2000, 40, 426-433.	2.3	33
212	Multiresidue pesticide analysis of fruits by ultra-performance liquid chromatography tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1765-1771.	1.9	33
213	Investigating the presence of omeprazole in waters by liquid chromatography coupled to low and high resolution mass spectrometry: degradation experiments. <i>Journal of Mass Spectrometry</i> , 2013, 48, 1091-1100.	0.7	33
214	Mass spectrometric behavior of anabolic androgenic steroids using gas chromatography coupled to atmospheric pressure chemical ionization source. Part I: Ionization. <i>Journal of Mass Spectrometry</i> , 2014, 49, 509-521.	0.7	33
215	Toxicity and bioconcentration of selected organophosphorus pesticides in <i>Mytilus galloprovincialis</i> and <i>Venus gallina</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1995, 29, 284-290.	2.1	32
216	Microextraction procedures combined with large volume injection in capillary gas chromatography for the determination of pesticide residues in environmental aqueous samples. <i>Analytica Chimica Acta</i> , 1997, 356, 125-133.	2.6	32

#	ARTICLE	IF	CITATIONS
217	Direct Determination of Paclitaxel Residues in Pear Samples by Liquid Chromatography-Electrospray Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 4202-4206.	2.4	32
218	An ion-pairing liquid chromatography/tandem mass spectrometric method for the determination of ethephon residues in vegetables. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 419-426.	0.7	32
219	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
220	Rapid method for the determination of eight chlorophenoxy acid residues in environmental water samples using off-line solid-phase extraction and on-line selective precolumn switching. <i>Analytica Chimica Acta</i> , 1993, 283, 287-296.	2.6	31
221	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
222	A reliable analytical approach based on gas chromatography coupled to triple quadrupole and time-of-flight mass analyzers for the determination and confirmation of polycyclic aromatic hydrocarbons in complex matrices from aquaculture activities. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2075-2086.	0.7	30
223	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
224	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
225	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
226	Assessing alcohol consumption through wastewater-based epidemiology: Spain as a case study. <i>Drug and Alcohol Dependence</i> , 2020, 215, 108241.	1.6	30
227	Study of multi-residue methods for the determination of selected pesticides in groundwater. <i>Science of the Total Environment</i> , 1993, 132, 297-312.	3.9	29
228	Automated sample clean-up and fractionation of chlorpyrifos, chlorpyrifos-methyl and metabolites in mussels using normal-phase liquid chromatography. <i>Journal of Chromatography A</i> , 1997, 778, 151-160.	1.8	29
229	Multiresidue Determination of Endosulfan and Metabolic Derivatives in Human Adipose Tissue Using Automated Liquid Chromatographic Cleanup and Gas Chromatographic Analysis. <i>Journal of Analytical Toxicology</i> , 2002, 26, 94-103.	1.7	29
230	Quadrupole-time-of-flight mass spectrometry screening for synthetic cannabinoids in herbal blends. <i>Journal of Mass Spectrometry</i> , 2013, 48, 685-694.	0.7	29
231	Identification of new omeprazole metabolites in wastewaters and surface waters. <i>Science of the Total Environment</i> , 2014, 468-469, 706-714.	3.9	29
232	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
233	Bogotá River anthropogenic contamination alters microbial communities and promotes spread of antibiotic resistance genes. <i>Scientific Reports</i> , 2019, 9, 11764.	1.6	29
234	Determination of mercury, cadmium, chromium and lead in marine organisms by flameless atomic absorption spectrophotometry. <i>Marine Pollution Bulletin</i> , 1986, 17, 41-44.	2.3	28

#	ARTICLE	IF	CITATIONS
235	Use of soft and hard ionization techniques for elucidation of unknown compounds by gas chromatography/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1589-1599.	0.7	28
236	Multiclass determination of 66 organic micropollutants in environmental water samples by fast gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2301-2314.	1.9	28
237	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
238	Cadmium accumulation in the crayfish, <i>Procambarus clarkii</i> , using graphite furnace atomic absorption spectroscopy. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1986, 37, 722-729.	1.3	27
239	New method for the rapid determination of triazine herbicides and some of their main metabolites in water by using coupled-column liquid chromatography and large volume injection. <i>Journal of Chromatography A</i> , 1997, 778, 171-181.	1.8	27
240	Study of different atmospheric-pressure interfaces for LC-MS/MS determination of acrylamide in water at sub-ppb levels. <i>Journal of Mass Spectrometry</i> , 2006, 41, 1041-1048.	0.7	27
241	Determination of PBDEs in human breast adipose tissues by gas chromatography coupled with triple quadrupole mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 1343-1354.	1.9	27
242	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
243	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
244	Wide-scope screening of pharmaceuticals, illicit drugs and their metabolites in the Amazon River. <i>Water Research</i> , 2021, 200, 117251.	5.3	27
245	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
246	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
247	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
248	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
249	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
250	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
251	Potential of capillary-column-switching liquid chromatography-tandem mass spectrometry for the quantitative trace analysis of small molecules. <i>Journal of Chromatography A</i> , 2004, 1031, 1-9.	1.8	25
252	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

#	ARTICLE	IF	CITATIONS
253	A comparative study of different multiresidue methods for the determination of pesticides in fruit samples by gas chromatography. <i>Chromatographia</i> , 1990, 29, 459-466.	0.7	24
254	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
255	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
256	Comprehensive investigation on synthetic cannabinoids: Metabolic behavior and potency testing, using 5F-ACPPICA and AMB-FUBINACA as model compounds. <i>Drug Testing and Analysis</i> , 2019, 11, 1358-1368.	1.6	24
257	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
258	Mass spectrometric characterization of urinary toremifene metabolites for doping control analyses. <i>Journal of Chromatography A</i> , 2011, 1218, 4727-4737.	1.8	23
259	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
260	Bioconcentration and Depuration of Chlorpyrifos in the Marine Mollusc <i>Mytilus edulis</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1997, 33, 47-52.	2.1	22
261	Liquid chromatography/tandem mass spectrometry determination of (4S,2RS)-2,5,5-trimethylthiazolidine-4-carboxylic acid, a stable adduct formed between D-(α)-penicillamine and acetaldehyde (main biological metabolite of ethanol), in plasma, liver and brain rat tissues. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 1221-1229.	0.7	22
262	The Power of Hyphenated Chromatography/Time-of-Flight Mass Spectrometry in Public Health Laboratories. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5311-5323.	2.4	22
263	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
264	Direct determination of bromacil and diuron residues in environmental water samples by coupled-column liquid chromatography and large-volume injection. <i>Journal of Chromatography A</i> , 1997, 761, 322-326.	1.8	21
265	Determination of triazine herbicides by capillary gas chromatography with large-volume on-column injection. <i>Chromatographia</i> , 1997, 44, 274-278.	0.7	21
266	Automated sample clean-up procedure for organophosphorus pesticides in several aquatic organisms using normal phase liquid chromatography. <i>Analytica Chimica Acta</i> , 1998, 374, 215-229.	2.6	21
267	Gas chromatographic determination of selected pesticides in human serum by head-space solid-phase microextraction. <i>Chromatographia</i> , 2001, 54, 757-763.	0.7	21
268	Gas chromatography-mass spectrometric determination of polybrominated diphenyl ethers in complex fatty matrices from aquaculture activities. <i>Analytica Chimica Acta</i> , 2010, 664, 190-198.	2.6	21
269	A robust GC-MS/MS method for the determination of chlorothalonil in fruits and vegetables. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 298-307.	1.1	21
270	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

#	ARTICLE	IF	CITATIONS
271	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
272	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
273	Application of solid phase microextraction for the determination of soil fumigants in water and soil samples. <i>Journal of Separation Science</i> , 2005, 28, 98-103.	1.3	20
274	Application of Fast Gas Chromatography–Mass Spectrometry in Combination with the QuEChERS Method for the Determination of Pesticide Residues in Fruits and Vegetables. <i>Food Analytical Methods</i> , 2013, 6, 1170-1187.	1.3	20
275	Automated determination of phenylcarbamate herbicides in environmental waters by on-line trace enrichment and reversed-phase liquid chromatography–diode array detection. <i>Journal of Chromatography A</i> , 1998, 823, 121-128.	1.8	19
276	Development of a fast analytical method for the individual determination of pyrethrins residues in fruits and vegetables by liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1307, 126-134.	1.8	19
277	Study of the fluorescence of the lead-morin system in the presence of non-ionic surfactants. <i>Analyst, The</i> , 1986, 111, 235.	1.7	18
278	Organochlorine pesticides in marine organisms from the Castellón and Valencia coasts of Spain. <i>Marine Pollution Bulletin</i> , 1988, 19, 235-238.	2.3	18
279	Study of Sorption Processes of Selected Pesticides on Soils and Ceramic Porous Cups used For Soil Solution Sampling. <i>International Journal of Environmental Analytical Chemistry</i> , 1995, 58, 287-303.	1.8	18
280	Use of quadrupole time-of-flight mass spectrometry to determine proposed structures of transformation products of the herbicide bromacil after water chlorination. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3103-3113.	0.7	18
281	Importance of MS selectivity and chromatographic separation in LC–MS/MS-based methods when investigating pharmaceutical metabolites in water. Dipyrene as a case of study. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1040-1046.	0.7	18
282	Liquid chromatography coupled to tandem mass spectrometry for the residue determination of ethylenethiourea (ETU) and propylenethiourea (PTU) in water. <i>Journal of Chromatography A</i> , 2012, 1243, 53-61.	1.8	18
283	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
284	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
285	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
286	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
287	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
288	Enhancement of the fluorescence of the zinc–morin complex by a non-ionic surfactant. <i>Talanta</i> , 1986, 33, 537-540.	2.9	17

#	ARTICLE	IF	CITATIONS
289	Multiresidue determination of persistent organochlorine and organophosphorus compounds in whale tissues using automated liquid chromatographic clean up and gas chromatographic mass spectrometric detection. <i>Journal of Chromatography A</i> , 1999, 855, 633-643.	1.8	17
290	N-Acetylcysteine boosts xenobiotic detoxification in shellfish. <i>Aquatic Toxicology</i> , 2014, 154, 131-140.	1.9	16
291	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
292	Identification of mycotoxins by UHPLC-TOF MS in airborne fungi and fungi isolated from industrial paper and antique documents from the Archive of Bogot. <i>Environmental Research</i> , 2016, 144, 130-138.	3.7	16
293	Multiresidue procedures for determination of triazine and organophosphorus pesticides in water by use of large-volume PTV injection in gas chromatography. <i>Chromatographia</i> , 2000, 51, 362-368.	0.7	15
294	Determination of organochlorine compounds in human adipose tissue using automated liquid chromatographic clean up and gas chromatography tandem mass spectrometry. <i>Chromatographia</i> , 2002, 55, 715-722.	0.7	15
295	Analytical Study of Trichlorfon Residues in Kaki Fruit and Cauliflower Samples by Liquid Chromatography-Electrospray Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 1188-1195.	2.4	15
296	Comparison of Simple and Rapid Extraction Procedures for the Determination of Pesticide Residues in Fruit Juices by Fast Gas Chromatography-Mass Spectrometry. <i>Food Analytical Methods</i> , 2013, 6, 1671-1684.	1.3	15
297	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
298	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
299	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
300	Wastewater Analysis for Community-Wide Drugs Use Assessment. <i>Handbook of Experimental Pharmacology</i> , 2018, 252, 543-566.	0.9	15
301	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
302	Fluorimetric determination of aluminium with morin after extraction with isobutyl methyl ketone. Part II. Extraction-fluorimetric determination of aluminium in natural and waste waters. <i>Analyst</i> , The, 1985, 110, 287.	1.7	14
303	Determination of fungicide residues in fruits by coupled-column liquid chromatography. <i>Journal of Separation Science</i> , 2004, 27, 645-652.	1.3	14
304	Fast determination of toxic diethylene glycol in toothpaste by ultra-performance liquid chromatography-time of flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1021-1027.	1.9	14
305	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
306	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

#	ARTICLE	IF	CITATIONS
307	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
308	Development of a multiresidue method for nitrogen-containing pesticides. <i>Fresenius' Journal of Analytical Chemistry</i> , 1991, 339, 357-364.	1.5	13
309	An assessment of heavy metals and boron contamination in workplace atmospheres from ceramic factories. <i>Science of the Total Environment</i> , 1997, 201, 225-234.	3.9	13
310	Characterization of the organic contamination pattern of a hyper-saline ecosystem by rapid screening using gas chromatography coupled to high-resolution time-of-flight mass spectrometry. <i>Science of the Total Environment</i> , 2012, 433, 161-168.	3.9	13
311	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
312	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
313	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
314	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
315	Determination of methylisothiocyanate in soil and water by HS-SPME followed by GC-MS/MS with a triple quadrupole. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5271-5282.	1.9	12
316	Could Spice Drugs Induce Psychosis With Abnormal Movements Similar to Catatonia?. <i>Psychiatry (New Tj ETQq0 0,0,rgBT /Overlock 10</i>	0.3	12
317	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
318	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
319	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
320	Gas chromatographic determination of organochlorine pesticides; contamination of dicofol, fenfion, and tetradifon in fish and natural waters of a wet area beside the Mediterranean sea. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1986, 36, 211-218.	1.3	11
321	Experimental Approach for Pesticide Mobility Studies in the Unsaturated Zone. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 71, 87-103.	1.8	11
322	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
323	Determination of chromium in treated crayfish, <i>Procambarus clarkii</i> , by Electrothermal AAS: Study of chromium accumulation in different tissues. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1986, 36, 851-857.	1.3	10
324	Investigation of organophosphate esters in fresh water, salt and brine samples by GC-TOF MS. <i>Analytical Methods</i> , 2011, 3, 1779.	1.3	10

#	ARTICLE	IF	CITATIONS
325	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
326	Distribution of organochlorines, polycyclic aromatic hydrocarbons, phosphorus and ¹³⁷ Cs in sediment profiles from Ellen Brook in Western Australia. <i>Marine and Freshwater Research</i> , 1995, 46, 843.	0.7	10
327	Kinetic-fluorimetric study of the catalytic effect of manganese(II) on the air oxidation of morin. <i>Analyst, The</i> , 1986, 111, 1325-1330.	1.7	9
328	Spectrophotometric study of the iron(III)-morin complex in a micellar medium. <i>Analyst, The</i> , 1986, 111, 1045-1049.	1.7	9
329	Quantification and confirmation of priority organic micropollutants in water by LC-tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2007, 87, 237-248.	1.8	9
330	Characterization of a recently detected halogenated aminorex derivative: para-fluoro-4-methylaminorex (4- ² F-4-MAR). <i>Scientific Reports</i> , 2019, 9, 8314.	1.6	9
331	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
332	Analysis of several pesticides along the unsaturated zone in an experimental citrus grove of Castellon (Spain). <i>Science of the Total Environment</i> , 1993, 132, 243-257.	3.9	8
333	Rapid determination of carbaryl and 1-naphthol at ppt levels in environmental water samples by automated on-line SPE-LC-DAD-FD. <i>Chromatographia</i> , 1998, 47, 596-600.	0.7	8
334	Determination of sub- μ g ppb epichlorohydrin levels in water by on-line solid-phase extraction liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1841-1848.	0.7	8
335	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
336	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
337	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
338	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
339	Comparison of Cleanup Techniques for Simple Method for Analysis of Selected Organophosphorus Pesticide Residues in Molluscs. <i>Journal of AOAC INTERNATIONAL</i> , 1996, 79, 123-131.	0.7	7
340	Gas chromatography-mass spectrometry based untargeted volatolomics for smoked seafood classification. <i>Food Research International</i> , 2020, 137, 109698.	2.9	7
341	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
342	Kinetic-fluorimetric determination of copper(II), based on its catalytic effect on the oxidation of morin with hydrogen peroxide. <i>Analyst, The</i> , 1985, 110, 1457-1461.	1.7	6

#	ARTICLE	IF	CITATIONS
343	Biomonitoring of heavy metal distribution in the Western Mediterranean area of Spain. <i>Marine Pollution Bulletin</i> , 1992, 24, 512-515.	2.3	6
344	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
345	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
346	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
347	Application of the Azomethine-H method to the determination of boron in workplace atmospheres from ceramic factories. <i>Fresenius' Journal of Analytical Chemistry</i> , 1996, 356, 103-106.	1.5	5
348	Analytical study on ethephon residue determination in water by ion-pairing liquid chromatography/tandem mass spectrometry. <i>International Journal of Environmental Analytical Chemistry</i> , 2011, 91, 1380-1391.	1.8	5
349	Sonochemical Advanced Oxidation Processes for the Removal of Pharmaceuticals in Wastewater Effluents. <i>Handbook of Environmental Chemistry</i> , 2020, , 349-381.	0.2	5
350	Determination of glyphosate residues in plants by precolumn derivatization and coupled-column liquid chromatography with fluorescence detection. <i>Journal of AOAC INTERNATIONAL</i> , 2000, 83, 728-34.	0.7	5
351	Rapid determination of fosetyl-aluminum residues in lettuce by liquid chromatography/electrospray tandem mass spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , 2003, 86, 832-8.	0.7	5
352	Alkaline Degradation of Halogenated Pesticides and PCBs on Precolumn and Microreactor by Gas Chromatography. <i>International Journal of Environmental Analytical Chemistry</i> , 1987, 30, 265-274.	1.8	4
353	Sample Clean-Up and Fractionation of Organophosphorus Pesticide Residues in Mussels Using Normal-Phase LC. <i>International Journal of Environmental Analytical Chemistry</i> , 1998, 70, 3-18.	1.8	4
354	Application of liquid chromatography/mass spectrometry in assessment of potential use of azadirachtins (TreeAzin [®]) against Asian longhorned beetle. <i>Analytical Methods</i> , 2014, 6, 8063-8071.	1.3	4
355	Inhibition of larval growth and adult fecundity in Asian longhorned beetle (<i>Anoplophora</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Science, 2018, 74, 1351-1361.	1.7	4
356	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
357	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
358	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
359	Kinetic-fluorimetric study of the activator effect of zirconium(IV) on the air oxidation of morin catalysed by manganese(II). <i>Analyst</i> , 1988, 113, 437-442.	1.7	2
360	Trends in the bio availability of heavy metals and variations of fish catches in the western Mediterranean sea (Castellon coast, Spain). <i>Toxicological and Environmental Chemistry</i> , 1994, 42, 215-226.	0.6	2

#	ARTICLE	IF	CITATIONS
361	Response to Comment on "Biomagnification Study on Organochlorine Compounds in Marine Aquaculture: The Sea Bass (<i>Dicentrarchus labrax</i>) as a Model" Environmental Science & Technology, 2004, 38, 1263-1263.	4.6	2
362	Multiresidue Methods for Pesticides and Related Contaminants in Food. , 2013, , 319-336.		2
363	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. ACS Agricultural Science and Technology, 2021, 1, 89-99.	1.0	1
364	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. Microchemical Journal, 2022, 174, 107086.	2.3	1
365	LIQUID CHROMATOGRAPHY Multidimensional. , 2005, , 197-205.		0
366	Mass Spectrometry: Fourth conference of the Spanish Society of Mass Spectrometry (SEEM). Analytical and Bioanalytical Chemistry, 2010, 397, 2761-2762.	1.9	0
367	Use of CdS from Teaching-Laboratory Wastes as a Photocatalyst for the Degradation of Fluoroquinolone Antibiotics in Water. Water (Switzerland), 2021, 13, 2154.	1.2	0
368	Occurrence, impact, and elimination of contaminants of emerging concern (CECs) in soil, water, and air streams: advances and challenges in Ibero-American countries. Environmental Science and Pollution Research, 2022, , .	2.7	0