

Maria Ibañez

List of Publications by Year in descending order

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132
papers

7,659
citations

31976

53
h-index

54911

84
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134
all docs

134
docs citations

134
times ranked

7102
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-target screening with high-resolution mass spectrometry: critical review using a collaborative trial on water analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6237-6255.	3.7	489
2	Current use of high-resolution mass spectrometry in the environmental sciences. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1251-1264.	3.7	221
3	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
4	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
5	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
6	Antibiotic residue determination in environmental waters by LC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 466-485.	11.4	166
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	Advancing towards universal screening for organic pollutants in waters. <i>Journal of Hazardous Materials</i> , 2015, 282, 86-95.	12.4	125
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	Exploring the Potential of a Global Emerging Contaminant Early Warning Network through the Use of Retrospective Suspect Screening with High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2018, 52, 5135-5144.	10.0	101
29	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
30	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
31	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
32	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
33	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
34	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
35	Development and Application of Liquid Chromatographic Retention Time Indices in HRMS-Based Suspect and Nontarget Screening. <i>Analytical Chemistry</i> , 2021, 93, 11601-11611.	6.5	79
36	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

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37	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
38	Occurrence and ecological risks of pharmaceuticals in a Mediterranean river in Eastern Spain. <i>Environment International</i> , 2020, 144, 106004.	10.0	74
39	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
40	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
41	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
42	Improving Target and Suspect Screening High-Resolution Mass Spectrometry Workflows in Environmental Analysis by Ion Mobility Separation. <i>Environmental Science & Technology</i> , 2020, 54, 15120-15131.	10.0	69
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Behaviour of emerging contaminants in sewage sludge after anaerobic digestion. <i>Chemosphere</i> , 2016, 163, 296-304.	8.2	59
52	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
53	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
54	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.	6.7	55

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55	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.	1.5	52
56	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.	8.2	49
57	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.	5.5	47
58	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.	1.6	46
59	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.	3.7	45
60	Investigation of degradation products of cocaine and benzoylecgonine in the aquatic environment. <i>Science of the Total Environment</i> , 2013, 443, 200-208.	8.0	45
61	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.	8.0	42
62	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.	6.7	41
63	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.	6.7	41
64	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.	5.2	40
65	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.	8.0	40
66	Multi-residue determination of pesticides in tropical fruits using liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2287-2300.	3.7	39
67	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.	6.5	39
68	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.	1.5	38
69	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.	3.7	38
70	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.	8.2	37
71	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.	7.5	36
72	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.	1.6	35

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73	Comprehensive strategy for pesticide residue analysis through the production cycle of gilthead sea bream and Atlantic salmon. <i>Chemosphere</i> , 2017, 179, 242-253.	8.2	35
74	High resolution mass spectrometry to investigate omeprazole and venlafaxine metabolites in wastewater. <i>Journal of Hazardous Materials</i> , 2016, 302, 332-340.	12.4	34
75	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.	1.6	33
76	Development and validation of ultra high performance-liquid chromatography-tandem mass spectrometry based methods for the determination of neonicotinoid insecticides in honey. <i>Food Chemistry</i> , 2018, 266, 215-222.	8.2	33
77	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.	8.2	30
78	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.	3.3	30
79	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.	8.0	30
80	Quadrupole-time-of-flight mass spectrometry screening for synthetic cannabinoids in herbal blends. <i>Journal of Mass Spectrometry</i> , 2013, 48, 685-694.	1.6	29
81	Identification of new omeprazole metabolites in wastewaters and surface waters. <i>Science of the Total Environment</i> , 2014, 468-469, 706-714.	8.0	29
82	Dietary pesticide chlorpyrifos-methyl affects arachidonic acid metabolism including phospholipid remodeling in Atlantic salmon (<i>Salmo salar</i> L.). <i>Aquaculture</i> , 2018, 484, 1-12.	3.5	29
83	Investigation of pharmaceutical metabolites in environmental waters by LC-MS/MS. <i>Environmental Science and Pollution Research</i> , 2014, 21, 5496-5510.	5.3	28
84	Wide-scope screening of pharmaceuticals, illicit drugs and their metabolites in the Amazon River. <i>Water Research</i> , 2021, 200, 117251.	11.3	27
85	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.	2.7	25
86	Comprehensive investigation on synthetic cannabinoids: Metabolic behavior and potency testing, using 5F-APPICA and AMB-FUBINACA as model compounds. <i>Drug Testing and Analysis</i> , 2019, 11, 1358-1368.	2.6	24
87	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.	5.2	22
88	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.	10.3	21
89	The classification of almonds (<i>Prunus dulcis</i>) by country and variety using UHPLC-HRMS-based untargeted metabolomics. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 395-403.	2.3	20
90	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.	1.5	18

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91	Importance of MS selectivity and chromatographic separation in LC-MS/MS-based methods when investigating pharmaceutical metabolites in water. Dipyrone as a case of study. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1040-1046.	1.6	18
92	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.	1.6	18
93	Investigation of pharmaceuticals in processed animal by-products by liquid chromatography coupled to high-resolution mass spectrometry. <i>Chemosphere</i> , 2016, 154, 231-239.	8.2	18
94	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.	3.7	18
95	N-Acetylcysteine boosts xenobiotic detoxification in shellfish. <i>Aquatic Toxicology</i> , 2014, 154, 131-140.	4.0	16
96	Identification of mycotoxins by UHPLC-QTOF MS in airborne fungi and fungi isolated from industrial paper and antique documents from the Archive of Bogotá. <i>Environmental Research</i> , 2016, 144, 130-138.	7.5	16
97	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.	2.4	15
98	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.	3.7	15
99	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.	3.7	14
100	Method development and validation for the determination of selected endocrine disrupting compounds by liquid chromatography mass spectrometry and isotope pattern deconvolution in water samples. Comparison of two extraction techniques. <i>Analytical Methods</i> , 2016, 8, 2895-2903.	2.7	14
101	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.	2.6	14
102	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.	2.4	14
103	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.	8.2	14
104	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.	2.4	13
105	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.	2.7	13
106	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.	12.4	13
107	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.	3.7	13
108	Could Spice Drugs Induce Psychosis With Abnormal Movements Similar to Catatonia?. <i>Psychiatry (New Tj ETQq0 0,0,rgBT /Overlock 10</i>	0.7	12

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109	Determination of selected endogenous anabolic androgenic steroids and ratios in urine by ultra high performance liquid chromatography tandem mass spectrometry and isotope pattern deconvolution. <i>Journal of Chromatography A</i> , 2017, 1515, 172-178.	3.7	12
110	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.	2.8	11
111	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.	2.4	10
112	Evaluation of uncertainty sources in the determination of testosterone in urine by calibration-based and isotope dilution quantification using ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1508, 73-80.	3.7	10
113	Characterization of a recently detected halogenated aminorex derivative: para-fluoro-4-methylaminorex (4-F-MAR). <i>Scientific Reports</i> , 2019, 9, 8314.	3.3	9
114	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.	6.5	9
115	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.	2.6	8
116	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.	5.3	8
117	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.	2.8	7
118	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.	2.6	6
119	The key role of mass spectrometry in comprehensive research on new psychoactive substances. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4673.	1.6	6
120	Analytical research of pesticide biomarkers in wastewater with application to study spatial differences in human exposure. <i>Chemosphere</i> , 2022, 307, 135684.	8.2	6
121	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.	1.5	5
122	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.	2.7	4
123	Pesticide Inhalation Exposure of Applicators and Bystanders Using Conventional and Innovative Cropping Systems in the Valencian Region, Spain. <i>Atmosphere</i> , 2021, 12, 631.	2.3	4
124	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.	4.4	4
125	Multiresidue methods for pesticides and related contaminants in food. , 2017, , 381-400.		3
126	Multiresidue Methods for Pesticides and Related Contaminants in Food. , 2013, , 319-336.		2

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127	The key role of mass spectrometry in comprehensive research on new psychoactive substances. Journal of Mass Spectrometry, 2021, 56, e4560.	1.6	2
128	Mass spectrometric characterisation of a condensation product between porphobilinogen and indolylacryloylglycine in urine of patients with acute intermittent porphyria. Journal of Mass Spectrometry, 2015, 50, 929-937.	1.6	1
129	Multiresidue Analysis of Pesticides: LC-MS/MS versus LC-HRMS. , 2015, , 381-419.		1
130	Variación en el patrón de consumo de cannabinoides sintéticos de una paciente a lo largo de 2018. Revista De Psicología De La Salud, 2020, 32, 228.	0.5	1
131	Identification of Unknown Substances in Ambient Air (PM10), Profiles and Differences between Rural, Urban and Industrial Areas. Toxics, 2022, 10, 220.	3.7	1
132	Use of CdS from Teaching-Laboratory Wastes as a Photocatalyst for the Degradation of Fluoroquinolone Antibiotics in Water. Water (Switzerland), 2021, 13, 2154.	2.7	0