

Tania Portoles

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,513
citations

109321

35
h-index

138484

58
g-index

65
all docs

65
docs citations

65
times ranked

3643
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	Gas chromatography coupled to high-resolution time-of-flight mass spectrometry to analyze trace-level organic compounds in the environment, food safety and toxicology. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 388-400.	11.4	130
4	Advancing towards universal screening for organic pollutants in waters. <i>Journal of Hazardous Materials</i> , 2015, 282, 86-95.	12.4	125
5	Determination of priority organic micro-pollutants in water by gas chromatography coupled to triple quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2007, 583, 246-258.	5.4	115
6	Target and Nontarget Screening of Organic Micropollutants in Water by Solid-Phase Microextraction Combined with Gas Chromatography/High-Resolution Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 9494-9504.	6.5	97
7	Potential of atmospheric pressure chemical ionization source in GC-TOF MS for pesticide residue analysis. <i>Journal of Mass Spectrometry</i> , 2010, 45, 926-936.	1.6	97
8	Application of head-space solid-phase microextraction coupled to comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry for the determination of multiple pesticide residues in tea samples. <i>Analytica Chimica Acta</i> , 2008, 611, 163-172.	5.4	94
9	Screening of Pesticides and Polycyclic Aromatic Hydrocarbons in Feeds and Fish Tissues by Gas Chromatography Coupled to High-Resolution Mass Spectrometry Using Atmospheric Pressure Chemical Ionization. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2165-2174.	5.2	92
10	Application of gas chromatography time-of-flight mass spectrometry for target and non-target analysis of pesticide residues in fruits and vegetables. <i>Journal of Chromatography A</i> , 2012, 1244, 168-177.	3.7	82
11	Multi-residue determination of 130 multiclass pesticides in fruits and vegetables by gas chromatography coupled to triple quadrupole tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2873-2891.	3.7	79
12	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
13	Development and validation of a rapid and wide-scope qualitative screening method for detection and identification of organic pollutants in natural water and wastewater by gas chromatography time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2011, 1218, 303-315.	3.7	72
14	Advantages of Atmospheric Pressure Chemical Ionization in Gas Chromatography Tandem Mass Spectrometry: Pyrethroid Insecticides as a Case Study. <i>Analytical Chemistry</i> , 2012, 84, 9802-9810.	6.5	72
15	Use of electron ionization and atmospheric pressure chemical ionization in gas chromatography coupled to time-of-flight mass spectrometry for screening and identification of organic pollutants in waters. <i>Journal of Chromatography A</i> , 2014, 1339, 145-153.	3.7	71
16	Quality classification of Spanish olive oils by untargeted gas chromatography coupled to hybrid quadrupole-time of flight mass spectrometry with atmospheric pressure chemical ionization and metabolomics-based statistical approach. <i>Food Chemistry</i> , 2017, 216, 365-373.	8.2	68
17	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
18	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

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19	Application of gas chromatography–(triple quadrupole) mass spectrometry with atmospheric pressure chemical ionization for the determination of multiclass pesticides in fruits and vegetables. <i>Journal of Chromatography A</i> , 2013, 1314, 224-240.	3.7	63
20	The role of GC-MS/MS with triple quadrupole in pesticide residue analysis in food and the environment. <i>Analytical Methods</i> , 2013, 5, 5875.	2.7	62
21	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
22	Validation of a qualitative screening method for pesticides in fruits and vegetables by gas chromatography quadrupole-time of flight mass spectrometry with atmospheric pressure chemical ionization. <i>Analytica Chimica Acta</i> , 2014, 838, 76-85.	5.4	58
23	Atmospheric-Pressure Chemical Ionization Tandem Mass Spectrometry (APGC/MS/MS) an Alternative to High-Resolution Mass Spectrometry (HRGC/HRMS) for the Determination of Dioxins. <i>Analytical Chemistry</i> , 2015, 87, 9047-9053.	6.5	58
24	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.	3.7	54
25	Olive oil quality classification and measurement of its organoleptic attributes by untargeted GC–MS and multivariate statistical-based approach. <i>Food Chemistry</i> , 2019, 271, 488-496.	8.2	52
26	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.	11.4	52
27	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.	1.6	49
28	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.	6.5	47
29	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.	3.7	44
30	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.	2.5	40
31	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
32	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.	5.5	40
33	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.	6.5	39
34	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.	8.2	39
35	Methodical approach for the use of GC–TOF MS for screening and confirmation of organic pollutants in environmental water. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1175-1185.	1.6	37
36	Gas chromatography–tandem mass spectrometry with atmospheric pressure chemical ionization for fluorotelomer alcohols and perfluorinated sulfonamides determination. <i>Journal of Chromatography A</i> , 2015, 1413, 107-116.	3.7	36

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37	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
38	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
39	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.	1.6	33
40	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.	1.5	30
41	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
42	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.	5.4	29
43	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.	1.5	28
44	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.	3.7	28
45	Evaluation of the capabilities of atmospheric pressure chemical ionization source coupled to tandem mass spectrometry for the determination of dioxin-like polychlorobiphenyls in complex-matrix food samples. <i>Analytica Chimica Acta</i> , 2016, 937, 96-105.	5.4	28
46	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
47	Multi-class determination of undesirables in aquaculture samples by gas chromatography/tandem mass spectrometry with atmospheric pressure chemical ionization: A novel approach for polycyclic aromatic hydrocarbons. <i>Talanta</i> , 2017, 172, 109-119.	5.5	20
48	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.	2.7	18
49	Identification of very long-chain (>C24) fatty acid methyl esters using gas chromatography coupled to quadrupole/time-of-flight mass spectrometry with atmospheric pressure chemical ionization source. <i>Analytica Chimica Acta</i> , 2019, 1051, 103-109.	5.4	18
50	Simultaneous determination of dechloranes, polybrominated diphenyl ethers and novel brominated flame retardants in food and serum. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4507-4515.	3.7	17
51	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.	3.7	16
52	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.	2.8	15
53	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
54	Ultra-Performance Liquid Chromatography-Ion Mobility Separation-Quadrupole Time-of-Flight MS (UHPLC-IMS-QTOF MS) Metabolomics for Short-Term Biomarker Discovery of Orange Intake: A Randomized, Controlled Crossover Study. <i>Nutrients</i> , 2020, 12, 1916.	4.1	14

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55	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.	8.0	13
56	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
57	Analysis of polychlorinated dibenzo-p-dioxins and dibenzofurans in stack gas emissions by gas chromatography-atmospheric pressure chemical ionization-triple-quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1513, 245-249.	3.7	12
58	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.	3.7	12
59	Potential of gas chromatography-atmospheric pressure chemical ionization-tandem mass spectrometry for screening and quantification of hexabromocyclododecane. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 449-459.	3.7	11
60	Investigation of organophosphate esters in fresh water, salt and brine samples by GC-TOF MS. <i>Analytical Methods</i> , 2011, 3, 1779.	2.7	10
61	Novel sampling strategy for alive animal volatolome extraction combined with GC-MS based untargeted metabolomics: Identifying mouse pup pheromones. <i>Talanta</i> , 2021, 235, 122786.	5.5	9
62	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
63	Gas chromatography-mass spectrometry based untargeted volatolomics for smoked seafood classification. <i>Food Research International</i> , 2020, 137, 109698.	6.2	7
64	Determination of very long-chain polyunsaturated fatty acids from 24 to 44 carbons in eye, brain and gonads of wild and cultured gilthead sea bream (<i>Sparus aurata</i>). <i>Scientific Reports</i> , 2022, 12, .	3.3	3