

# 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  | 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         |
| 2  | 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         |
| 3  | 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        |
| 4  | 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        |
| 5  | 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        |
| 6  | 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         |
| 7  | Gas chromatography-mass spectrometry based untargeted volatolomics for smoked seafood classification. <i>Food Research International</i> , 2020, 137, 109698.  | 6.2  | 7         |
| 8  | Ultra-Performance Liquid Chromatography-Ion Mobility Separation-Quadruple 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        |
| 9  | 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        |
| 10 | 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        |
| 11 | 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        |
| 12 | 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        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | 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        |

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|----|---|------|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | 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        |
| 22 | Comprehensive monitoring of organic micro-pollutants in surface and groundwater in the surrounding of a solid-waste treatment plant of Castell <sup>3</sup> n, Spain. <i>Science of the Total Environment</i> , 2016, 548-549, 211-220.   | 8.0  | 67        |
| 23 | 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        |
| 24 | 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        |
| 25 | 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        |
| 26 | 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       |
| 27 | 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        |
| 28 | 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        |
| 29 | 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        |
| 30 | 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        |
| 31 | Advancing towards universal screening for organic pollutants in waters. <i>Journal of Hazardous Materials</i> , 2015, 282, 86-95.   | 12.4 | 125       |
| 32 | 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        |
| 33 | 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        |
| 34 | 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        |
| 35 | 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        |
| 36 | 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        |

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|----|--|------|-----------|
| 37 | 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        |
| 38 | 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        |
| 39 | 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        |
| 40 | 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        |
| 41 | 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        |
| 42 | 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        |
| 43 | 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        |
| 44 | Current use of high-resolution mass spectrometry in the environmental sciences. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1251-1264.  | 3.7  | 221       |
| 45 | 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        |
| 46 | 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        |
| 47 | 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        |
| 48 | 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        |
| 49 | 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        |
| 50 | 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        |
| 51 | 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        |
| 52 | 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       |
| 53 | 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        |
| 54 | 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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|----|---|-----|-----------|
| 55 | Potential of atmospheric pressure chemical ionization source in GC-QTOF MS for pesticide residue analysis. <i>Journal of Mass Spectrometry</i> , 2010, 45, 926-936.   | 1.6 | 97        |
| 56 | 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        |
| 57 | 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        |
| 58 | 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        |
| 59 | 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        |
| 60 | 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        |
| 61 | 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        |
| 62 | 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        |
| 63 | 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       |
| 64 | 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        |