

# Patricia Plaza-Bolaos

## List of Publications by Citations

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62

papers

2,707

citations

31

h-index

51

g-index

65

ext. papers

2,958

ext. citations

5.5

avg, IF

5.24

L-index

#	Paper	IF	Citations
62	Toward a generic extraction method for simultaneous determination of pesticides, mycotoxins, plant toxins, and veterinary drugs in feed and food matrixes. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 9450-9	7.8	343
61	Polycyclic aromatic hydrocarbons in food and beverages. Analytical methods and trends. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 6303-26	4.5	211
60	Comprehensive qualitative and quantitative determination of pesticides and veterinary drugs in honey using liquid chromatography-Orbitrap high resolution mass spectrometry. <i>Journal of Chromatography A</i> , <b>2012</b> , 1248, 130-8	4.5	149
59	Determination of pesticide transformation products: a review of extraction and detection methods. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 6767-88	4.5	129
58	Determination of ascorbic acid and carotenoids in food commodities by liquid chromatography with mass spectrometry detection. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 7371-6	5.7	109
57	Application of a quick, easy, cheap, effective, rugged and safe-based method for the simultaneous extraction of chlorophenols, alkylphenols, nitrophenols and cresols in agricultural soils, analyzed by using gas chromatography-triple quadrupole-mass spectrometry/mass spectrometry. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 5724-31	4.5	108
56	Multiresidue analysis of organochlorine and organophosphorus pesticides in muscle of chicken, pork and lamb by gas chromatography-triple quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2006</b> , 558, 42-52	6.6	95
55	Application of hollow fibre liquid phase microextraction for the multiresidue determination of pesticides in alcoholic beverages by ultra-high pressure liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2008</b> , 1208, 16-24	4.5	83
54	Comparison of the efficiency of different extraction methods for the simultaneous determination of mycotoxins and pesticides in milk samples by ultra high-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 2863-75	4.4	80
53	Fast determination of pesticides and other contaminants of emerging concern in treated wastewater using direct injection coupled to highly sensitive ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2017</b> , 1507, 84-94	4.5	75
52	Simultaneous analysis of chlorophenols, alkylphenols, nitrophenols and cresols in wastewater effluents, using solid phase extraction and further determination by gas chromatography-tandem mass spectrometry. <i>Talanta</i> , <b>2011</b> , 85, 2397-404	6.2	73
51	Multiresidue method for the analysis of more than 140 pesticide residues in fruits and vegetables by gas chromatography coupled to triple quadrupole mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 1235-54	2.2	64
50	Application of gas chromatography-triple quadrupole mass spectrometry in the quantification-confirmation of pesticides and polychlorinated biphenyls in eggs at trace levels. <i>Journal of Chromatography A</i> , <b>2007</b> , 1167, 9-17	4.5	62
49	Multiresidue analysis of pesticides in animal liver by gas chromatography using triple quadrupole tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2007</b> , 1153, 194-202	4.5	60
48	Development and validation of a multiresidue method for the analysis of 151 pesticide residues in strawberry by gas chromatography coupled to a triple quadrupole mass analyzer. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 2282-94	2.2	58
47	Food contaminant analysis at high resolution mass spectrometry: application for the determination of veterinary drugs in milk. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 9353-65	4.5	57
46	Comprehensive analysis of polycyclic aromatic hydrocarbons in wastewater using stir bar sorptive extraction and gas chromatography coupled to tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2011</b> , 693, 62-71	6.6	57

45	Assessment of solar raceway pond reactors for removal of contaminants of emerging concern by photo-Fenton at circumneutral pH from very different municipal wastewater effluents. <i>Chemical Engineering Journal</i> , <b>2019</b> , 366, 141-149	14.7	52
44	Analytical approaches for the determination of pesticide residues in nutraceutical products and related matrices by chromatographic techniques coupled to mass spectrometry. <i>Talanta</i> , <b>2014</b> , 118, 277-291	6.2	45
43	Wide-scope analysis of pesticide and veterinary drug residues in meat matrices by high resolution MS: detection and identification using Exactive-Orbitrap. <i>Journal of Mass Spectrometry</i> , <b>2014</b> , 49, 27-36	2.2	45
42	Determination of pesticide levels in wastewater from an agro-food industry: Target, suspect and transformation product analysis. <i>Chemosphere</i> , <b>2019</b> , 232, 152-163	8.4	43
41	Comparison of tandem-in-space and tandem-in-time mass spectrometry in gas chromatography determination of pesticides: application to simple and complex food samples. <i>Journal of Chromatography A</i> , <b>2008</b> , 1203, 229-38	4.5	42
40	Wide-scope analysis of veterinary drug and pesticide residues in animal feed by liquid chromatography coupled to quadrupole-time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 6543-53	4.4	40
39	Rapid and semiautomated method for the analysis of veterinary drug residues in honey based on turbulent-flow liquid chromatography coupled to ultrahigh-performance liquid chromatography-Orbitrap mass spectrometry (TFC-UHPLC-Orbitrap-MS). <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 829-39	5.7	39
38	Determination of nitrofurantol metabolites in seafood by ultra high performance liquid chromatography coupled to triple quadrupole tandem mass spectrometry. <i>Journal of Food Composition and Analysis</i> , <b>2013</b> , 30, 86-93	4.1	38
37	Simultaneous and Fast Determination of Malachite Green, Leucomalachite Green, Crystal Violet, and Brilliant Green in Seafood by Ultrahigh Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , <b>2013</b> , 6, 406-414	3.4	37
36	Determination of organic microcontaminants in agricultural soils irrigated with reclaimed wastewater: Target and suspect approaches. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1030, 115-124	6.6	36
35	Evaluation of soil contamination in intensive agricultural areas by pesticides and organic pollutants: south-eastern Spain as a case study. <i>Journal of Environmental Monitoring</i> , <b>2012</b> , 14, 1182-9		35
34	Analysis and study of the distribution of polar and non-polar pesticides in wastewater effluents from modern and conventional treatments. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 7817-25	4.5	34
33	Identification and quantification of phytochemicals in nutraceutical products from green tea by UHPLC-Orbitrap-MS. <i>Food Chemistry</i> , <b>2015</b> , 173, 607-18	8.5	33
32	Characterization of recovery profiles using gas chromatography-triple quadrupole mass spectrometry for the determination of pesticide residues in meat samples. <i>Journal of Chromatography A</i> , <b>2006</b> , 1133, 315-21	4.5	33
31	Use of Pressurized Liquid Extraction for the Simultaneous Analysis of 28 Polar and 94 Non-polar Pesticides in Agricultural Soils by GC/QqQ-MS/MS and UPLC/QqQ-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , <b>2010</b> , 93, 1715-1731	1.7	30
30	Advanced treatment of urban wastewater by UV-C/free chlorine process: Micro-pollutants removal and effect of UV-C radiation on trihalomethanes formation. <i>Water Research</i> , <b>2020</b> , 169, 115220	12.5	30
29	Systematic study of the contamination of wastewater treatment plant effluents by organic priority compounds in Almeria province (SE Spain). <i>Science of the Total Environment</i> , <b>2013</b> , 447, 381-9	10.2	29
28	Determination of polycyclic aromatic hydrocarbons in olive oil by a completely automated headspace technique coupled to gas chromatography-mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 822-9	2.2	28

27	Neutral or acidic pH for the removal of contaminants of emerging concern in wastewater by solar photo-Fenton? A techno-economic assessment of continuous raceway pond reactors. <i>Science of the Total Environment</i> , <b>2020</b> , 736, 139681	10.2	19
26	Two strategies of solar photo-Fenton at neutral pH for the simultaneous disinfection and removal of contaminants of emerging concern. Comparative assessment in raceway pond reactors. <i>Catalysis Today</i> , <b>2021</b> , 361, 17-23	5.3	19
25	On the design and operation of solar photo-Fenton open reactors for the removal of contaminants of emerging concern from WWTP effluents at neutral pH. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 256, 117801	21.8	18
24	Evaluation of the potential of GC-APCI-MS for the analysis of pesticide residues in fatty matrices. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2014</b> , 25, 899-902	3.5	16
23	Organic Microcontaminants in Tomato Crops Irrigated with Reclaimed Water Grown under Field Conditions: Occurrence, Uptake, and Health Risk Assessment. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 6930-6939	5.7	15
22	Multiresidue method for the fast determination of pesticides in nutraceutical products ( <i>Camellia sinensis</i> ) by GC coupled to triple quadrupole MS. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 665-74	3.4	13
21	Highly sensitive determination of polybrominated diphenyl ethers in surface water by GC coupled to high-resolution MS according to the EU Water Directive 2008/105/EC. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 69-76	3.4	13
20	Innovative determination of polar organophosphonate pesticides based on high-resolution Orbitrap mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 1458-65	2.2	12
19	Advanced evaluation of landfill leachate treatments by low and high-resolution mass spectrometry focusing on microcontaminant removal. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 384, 121372	12.8	11
18	Determination of 19 volatile organic compounds in wastewater effluents from different treatments by purge and trap followed by gas-chromatography coupled to mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 3537-46	4.4	10
17	Aluminized surface to improve solar light absorption in open reactors: Application for micropollutants removal in effluents from municipal wastewater treatment plants. <i>Science of the Total Environment</i> , <b>2021</b> , 755, 142624	10.2	10
16	Residues and Organic Contaminants in Agricultural Soils in Intensive Agricultural Areas of Spain: A Three Years Survey. <i>Clean - Soil, Air, Water</i> , <b>2015</b> , 43, 746-753	1.6	8
15	Identification of pesticide transformation products in agricultural soils using liquid chromatography/quadrupole-time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 1091-9	2.2	8
14	QuEChERS approach for the determination of biopesticides in organic and nonorganic vegetables and fruits by ultra-performance liquid chromatography/tandem mass spectrometry. <i>Journal of AOAC INTERNATIONAL</i> , <b>2014</b> , 97, 1027-33	1.7	7
13	Study of the distribution of 204 organic contaminants between the aqueous phase and the suspended particulate matter in treated wastewater for proper environmental control. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 2497-2515		7
12	Determination of polychlorinated biphenyls in ambient air by gas chromatography coupled to triple quadrupole tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 390, 1413-23	4.4	6
11	Assessment of the presence of transformation products of pharmaceuticals in agricultural environments irrigated with reclaimed water by wide-scope LC-QTOF-MS suspect screening. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 412, 125080	12.8	6
10	Priority organic compounds in wastewater effluents from the Mediterranean and Atlantic basins of Andalusia (Spain). <i>Environmental Sciences: Processes and Impacts</i> , <b>2013</b> , 15, 2194-203	4.3	5

9	Pilot-scale removal of microcontaminants by solar-driven photo-Fenton in treated municipal effluents: Selection of operating variables based on lab-scale experiments. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104788	6.8	5
8	Current Applications of GC-(Q)TOF and GC/IRMS for the Determination of Persistent Organic Pollutants in Water and Sediments Samples. <i>Comprehensive Analytical Chemistry</i> , <b>2013</b> , 431-454	1.9	4
7	Removal of contaminants of emerging concern by microalgae-based wastewater treatments and related analytical techniques <b>2020</b> , 503-525		3
6	Solar processes and ozonation for fresh-cut wastewater reclamation and reuse: Assessment of chemical, microbiological and chlorosis risks of raw-eaten crops. <i>Water Research</i> , <b>2021</b> , 203, 117532	12.5	3
5	Determination of several families of phytochemicals in different pre-cooked convenience vegetables: effect of lifetime and cooking. <i>International Journal of Food Sciences and Nutrition</i> , <b>2014</b> , 65, 791-6	3.7	2
4	Application of a fast and sensitive method for the determination of contaminants of emerging concern in wastewater using a quick, easy, cheap, effective, rugged and safe-based extraction and liquid chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , <b>2021</b> , 1653, 462396	4.5	2
3	Applications and Strategies Based on Gas Chromatography/Low-Resolution Mass Spectrometry (GC/IRMS) for the Determination of Residues and Organic Contaminants in Environmental Samples. <i>Comprehensive Analytical Chemistry</i> , <b>2013</b> , 61, 181-202	1.9	0
2	Ultrahigh-Performance Liquid Chromatography Coupled with High-Resolution Mass Spectrometry: A Reliable Tool for Analysis of Veterinary Drugs in Food <b>2014</b> , 167-212		
1	Multiresidue Analysis: State of the Art and Prospects <b>2014</b> , 1-29		