Patricia Plaza-BolaÃ±os

List of Publications by Year
in descending order

61 papers	3,263 citations	117453 34 h-index	143772 57 g-index
65 all docs	65 docs citations	65 times ranked	3595 citing authors

#	Article	IF	Citations
1	Aluminized surface to improve solar light absorption in open reactors: Application for micropollutants removal in effluents from municipal wastewater treatment plants. Science of the Total Environment, 2021, 755, 142624.	3.9	18
2	Pilot-scale removal of microcontaminants by solar-driven photo-Fenton in treated municipal effluents: Selection of operating variables based on lab-scale experiments. Journal of Environmental Chemical Engineering, 2021, 9, 104788.	3.3	11
3	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. Catalysis Today, 2021, 361, 17-23.	2.2	27
4	Assessment of the presence of transformation products of pharmaceuticals in agricultural environments irrigated with reclaimed water by wide-scope LC-QTOF-MS suspect screening. Journal of Hazardous Materials, 2021, 412, 125080.	6.5	14
5	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. Journal of Chromatography A, 2021, 1653, 462396.	1.8	13
6	Solar processes and ozonation for fresh-cut wastewater reclamation and reuse: Assessment of chemical, microbiological and chlorosis risks of raw-eaten crops. Water Research, 2021, 203, 117532.	5.3	5
7	Advanced evaluation of landfill leachate treatments by low and high-resolution mass spectrometry focusing on microcontaminant removal. Journal of Hazardous Materials, 2020, 384, 121372.	6.5	24
8	Advanced treatment of urban wastewater by UV-C/free chlorine process: Micro-pollutants removal and effect of UV-C radiation on trihalomethanes formation. Water Research, 2020, 169, 115220.	5.3	46
9	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. Science of the Total Environment, 2020, 736, 139681.	3.9	40
10	Removal of contaminants of emerging concern by microalgae-based wastewater treatments and related analytical techniques. , 2020, , 503-525.		6
11	Determination of pesticide levels in wastewater from an agro-food industry: Target, suspect and transformation product analysis.. Chemosphere, 2019, 232, 152-163.	4.2	70
12	Organic Microcontaminants in Tomato Crops Irrigated with Reclaimed Water Grown under Field Conditions: Occurrence, Uptake, and Health Risk Assessment. Journal of Agricultural and Food Chemistry, 2019, 67, 6930-6939.	2.4	29
13	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. Applied Catalysis B: Environmental, 2019, 256, 117801.	10.8	24
14	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. Chemical Engineering Journal, 2019, 366, 141-149.	6.6	77
15	Determination of organic microcontaminants in agricultural soils irrigated with reclaimed wastewater: Target and suspect approaches. Analytica Chimica Acta, 2018, 1030, 115-124.	2.6	43
16	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. Journal of Chromatography A, 2017, 1507, 84-94.	1.8	100
17	Residues and Organic Contaminants in Agricultural Soils in Intensive Agricultural Areas of Spain: A Three Years Survey. Clean - Soil, Air, Water, 2015, 43, 746-753.	0.7	13
18	Identification and quantification of phytochemicals in nutraceutical products from green tea by UHPLCâ€“Orbitrap-MS. Food Chemistry, 2015, 173, 607-618.	4.2	38

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19	QuEChERS Approach for the Determination of Biopesticides in Organic and Nonorganic Vegetables and Fruits by Ultra-Performance Liquid Chromatography/Tandem Mass Spectrometry. Journal of AOAC INTERNATIONAL, 2014, 97, 1027-1033.	0.7	8
20	Determination of several families of phytochemicals in different pre-cooked convenience vegetables: effect of lifetime and cooking. International Journal of Food Sciences and Nutrition, 2014, 65, 791-796.	1.3	3
21	Multiresidue method for the fast determination of pesticides in nutraceutical products (<i>Camellia) Tj ETQq1 1 0.784314 rgBT /Over Science, 2014, 37, 665-674.	1.3	13
22	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. Journal of Separation Science, 2014, 37, 69-76.	1.3	13
23	Analytical approaches for the determination of pesticide residues in nutraceutical products and related matrices by chromatographic techniques coupled to mass spectrometry. Talanta, 2014, 118, 277-291.	2.9	48
24	Wide-scope analysis of pesticide and veterinary drug residues in meat matrices by high resolution MS: detection and identification using Exactive-Orbitrap. Journal of Mass Spectrometry, 2014, 49, 27-36.	0.7	48
25	Evaluation of the Potential of GC-APCI-MS for the Analysis of Pesticide Residues in Fatty Matrices. Journal of the American Society for Mass Spectrometry, 2014, 25, 899-902.	1.2	17
26	Simultaneous and Fast Determination of Malachite Green, Leucomalachite Green, Crystal Violet, and Brilliant Green in Seafood by Ultrahigh Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry. Food Analytical Methods, 2013, 6, 406-414.	1.3	40
27	Wide-scope analysis of veterinary drug and pesticide residues in animal feed by liquid chromatography coupled to quadrupole-time-of-flight mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 6543-6553.	1.9	43
28	Rapid and Semiautomated Method for the Analysis of Veterinary Drug Residues in Honey Based on Turbulent-Flow Liquid Chromatography Coupled to Ultrahigh-Performance Liquid Chromatographyâ€“Orbitrap Mass Spectrometry (TFC-UHPLC-Orbitrap-MS). Journal of Agricultural and Food Chemistry, 2013, 61, 829-839.	2.4	44
29	Systematic study of the contamination of wastewater treatment plant effluents by organic priority compounds in Almeria province (SE Spain). Science of the Total Environment, 2013, 447, 381-389.	3.9	36
30	Priority organic compounds in wastewater effluents from the Mediterranean and Atlantic basins of Andalusia (Spain). Environmental Sciences: Processes and Impacts, 2013, 15, 2194.	1.7	8
31	Determination of nitrofuran metabolites in seafood by ultra high performance liquid chromatography coupled to triple quadrupole tandem mass spectrometry. Journal of Food Composition and Analysis, 2013, 30, 86-93.	1.9	48
32	Study of the distribution of 204 organic contaminants between the aqueous phase and the suspended particulate matter in treated wastewater for proper environmental control. Desalination and Water Treatment, 2013, 51, 2497-2515.	1.0	9
33	Applications and Strategies Based on Gas Chromatographyâ€“Low-Resolution Mass Spectrometry (GCâ€“LRMS) for the Determination of Residues and Organic Contaminants in Environmental Samples. Comprehensive Analytical Chemistry, 2013, 61, 181-202.	0.7	1
34	Current Applications of GC-(Q)TOF and GCâ€“HRMS for the Determination of Persistent Organic Pollutants in Water and Sediments Samples. Comprehensive Analytical Chemistry, 2013, , 431-454.	0.7	5
35	Evaluation of food composition and safety in nutraceutical products from green tea (Camellia) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.7	0
36	Innovative determination of polar organophosphonate pesticides based on highâ€resolution Orbitrap mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 1458-1465.	0.7	15

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37	Evaluation of soil contamination in intensive agricultural areas by pesticides and organic pollutants: south-eastern Spain as a case study. Journal of Environmental Monitoring, 2012, 14, 1182.	2.1	42
38	Comprehensive qualitative and quantitative determination of pesticides and veterinary drugs in honey using liquid chromatographyâ€“Orbitrap high resolution mass spectrometry. Journal of Chromatography A, 2012, 1248, 130-138.	1.8	160
39	Identification of pesticide transformation products in agricultural soils using liquid chromatography/quadrupoleâ€timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2012, 26, 1091-1099.	0.7	9
40	Simultaneous analysis of chlorophenols, alkylphenols, nitrophenols and cresols in wastewater effluents, using solid phase extraction and further determination by gas chromatographyâ€“tandem mass spectrometry. Talanta, 2011, 85, 2397-2404.	2.9	87
41	Food contaminant analysis at high resolution mass spectrometry: Application for the determination of veterinary drugs in milk. Journal of Chromatography A, 2011, 1218, 9353-9365.	1.8	65
42	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. Analytical and Bioanalytical Chemistry, 2011, 399, 2863-2875.	1.9	99
43	Determination of 19 volatile organic compounds in wastewater effluents from different treatments by purge and trap followed by gas-chromatography coupled to mass spectrometry. Analytical and Bioanalytical Chemistry, 2011, 400, 3537-3546.	1.9	13
44	Comprehensive analysis of polycyclic aromatic hydrocarbons in wastewater using stir bar sorptive extraction and gas chromatography coupled to tandem mass spectrometry. Analytica Chimica Acta, 2011, 693, 62-71.	2.6	61
45	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 chromatographyâ€“triple quadrupole-mass spectrometry/mass spectrometry. Journal of Chromatography A, 2010, 1217, 5724-5731.	1.8	127
46	Polycyclic aromatic hydrocarbons in food and beverages. Analytical methods and trends. Journal of Chromatography A, 2010, 1217, 6303-6326.	1.8	250
47	Analysis and study of the distribution of polar and non-polar pesticides in wastewater effluents from modern and conventional treatments. Journal of Chromatography A, 2010, 1217, 7817-7825.	1.8	40
48	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. Journal of AOAC INTERNATIONAL, 2010, 93, 1715-1731.	0.7	35
49	Determination of pesticide transformation products: A review of extraction and detection methods. Journal of Chromatography A, 2009, 1216, 6767-6788.	1.8	149
50	Determination of polychlorinated biphenyls in ambient air by gas chromatography coupled to triple quadrupole tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2008, 390, 1413-1423.	1.9	7
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. Journal of Mass Spectrometry, 2008, 43, 1235-1254.	0.7	72
52	Comparison of tandem-in-space and tandem-in-time mass spectrometry in gas chromatography determination of pesticides: Application to simple and complex food samples. Journal of Chromatography A, 2008, 1203, 229-238.	1.8	45
53	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. Journal of Chromatography A, 2008, 1208, 16-24.	1.8	90
54	Toward a Generic Extraction Method for Simultaneous Determination of Pesticides, Mycotoxins, Plant Toxins, and Veterinary Drugs in Feed and Food Matrixes. Analytical Chemistry, 2008, 80, 9450-9459.	3.2	386

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55	Multiresidue analysis of pesticides in animal liver by gas chromatography using triple quadrupole tandem mass spectrometry. Journal of Chromatography A, 2007, 1153, 194-202.	1.8	69
56	Application of gas chromatography-triple quadrupole mass spectrometry in the quantification-confirmation of pesticides and polychlorinated biphenyls in eggs at trace levels. Journal of Chromatography A, 2007, 1167, 9-17.	1.8	66
57	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. Rapid Communications in Mass Spectrometry, 2007, 21, 2282-2294.	0.7	68
58	Determination of polycyclic aromatic hydrocarbons in olive oil by a completely automated headspace technique coupled to gas chromatography-mass spectrometry. Journal of Mass Spectrometry, 2006, 41, 822-829.	0.7	32
59	Multiresidue analysis of organochlorine and organophosphorus pesticides in muscle of chicken, pork and lamb by gas chromatographyâ€“triple quadrupole mass spectrometry. Analytica Chimica Acta, 2006, 558, 42-52.	2.6	109
60	Characterization of recovery profiles using gas chromatography-triple quadrupole mass spectrometry for the determination of pesticide residues in meat samples. Journal of Chromatography A, 2006, 1133, 315-321.	1.8	38
61	Determination of Ascorbic Acid and Carotenoids in Food Commodities by Liquid Chromatography with Mass Spectrometry Detection. Journal of Agricultural and Food Chemistry, 2005, 53, 7371-7376.	2.4	140