

# Lourdes Ramos

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

3,001

citations

28

h-index

52

g-index

89

ext. papers

3,209

ext. citations

5.6

avg, IF

5.39

L-index

#	Paper	IF	Citations
86	Basics and advances in sampling and sample preparation <b>2020</b> , 3-31		1
85	Potential of topological descriptors to model the retention of polychlorinated biphenyls in different gas chromatography stationary phases, including ionic liquid-based columns. <i>Journal of Chromatography A</i> , <b>2020</b> , 1616, 460844	4.5	0
84	Use of new tailored and engineered materials for matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2019</b> , 118, 751-758	14.6	10
83	An untargeted evaluation of the volatile and semi-volatile compounds migrating into food simulants from polypropylene food containers by comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry. <i>Talanta</i> , <b>2019</b> , 195, 800-806	6.2	28
82	Selective fractionation of sugar alcohols using ionic liquids. <i>Separation and Purification Technology</i> , <b>2019</b> , 209, 800-805	8.3	5
81	Characterization of organic aromatic compounds in soils affected by an uncontrolled tire landfill fire through the use of comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , <b>2018</b> , 1536, 163-175	4.5	20
80	Gas chromatographic-based techniques for the characterization of low molecular weight carbohydrates and phenylalkanoid glycosides of <i>Sedum roseum</i> root supplements. <i>Journal of Chromatography A</i> , <b>2018</b> , 1570, 116-125	4.5	3
79	Evaluation of ionic liquid gas chromatography stationary phases for the separation of polychlorinated biphenyls. <i>Journal of Chromatography A</i> , <b>2018</b> , 1559, 156-163	4.5	15
78	Extraction and characterization of low molecular weight bioactive carbohydrates from mung bean ( <i>Vigna radiata</i> ). <i>Food Chemistry</i> , <b>2018</b> , 266, 146-154	8.5	15
77	Characterization of cyclitol glycosides by gas chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , <b>2017</b> , 1484, 58-64	4.5	10
76	Matrix Solid Phase Dispersion. <i>Comprehensive Analytical Chemistry</i> , <b>2017</b> , 76, 375-402	1.9	
75	Miniaturised sample preparation method for the multiresidual determination of regulated organohalogenated pollutants and related compounds in wild bird eggs. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 4905-4913	4.4	6
74	Simultaneous characterisation of silver nanoparticles and determination of dissolved silver in chicken meat subjected to in vitro human gastrointestinal digestion using single particle inductively coupled plasma mass spectrometry. <i>Food Chemistry</i> , <b>2017</b> , 221, 822-828	8.5	33
73	Extraction of bioactive carbohydrates from artichoke ( <i>Cynara scolymus</i> L.) external bracts using microwave assisted extraction and pressurized liquid extraction. <i>Food Chemistry</i> , <b>2016</b> , 196, 1156-62	8.5	57
72	Silver speciation and characterization of nanoparticles released from plastic food containers by single particle ICPMS. <i>Talanta</i> , <b>2016</b> , 151, 83-90	6.2	48
71	Use of room temperature ionic liquids for the selective fractionation of bioactive ketoses from aldoses. <i>Separation and Purification Technology</i> , <b>2015</b> , 149, 140-145	8.3	12
70	The latest trends in the miniaturized treatment of solid samples. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 71, 275-281	14.6	7

69	Microwave-Assisted Extraction of Polysaccharides <b>2015</b> , 987-1008		5
68	Migration and characterisation of nanosilver from food containers by AF-CP-MS. <i>Food Chemistry</i> , <b>2015</b> , 166, 76-85	8.5	97
67	Zebrafish ( <i>Danio rerio</i> ) eleutheroembryo-based procedure for assessing bioaccumulation. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1860-9	10.3	21
66	Characterization and quantification of silver nanoparticles in nutraceuticals and beverages by asymmetric flow field flow fractionation coupled with inductively coupled plasma mass spectrometry. <i>Journal of Chromatography A</i> , <b>2014</b> , 1371, 227-36	4.5	36
65	Influence of Chemical Structure on the Solubility of Low Molecular Weight Carbohydrates in Room Temperature Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 13843-13850	3.9	15
64	Investigation of PAH and other hazardous contaminant occurrence in recycled tyre rubber surfaces. Case-study: restaurant playground in an indoor shopping centre. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2014</b> , 94, 1264-1271	1.8	22
63	Sample Preparation Techniques for GC <b>2014</b> , 577-602		
62	Optimization of pressurized liquid extraction of inositols from pine nuts ( <i>Pinus pinea</i> L.). <i>Food Chemistry</i> , <b>2014</b> , 153, 450-6	8.5	26
61	Use of ionic liquids in analytical sample preparation of organic compounds from food and environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 43, 121-145	14.6	68
60	Development of a carbohydrate silylation method in ionic liquids for their gas chromatographic analysis. <i>Analytica Chimica Acta</i> , <b>2013</b> , 787, 87-92	6.6	10
59	Miniaturized selective pressurized liquid extraction of polychlorinated biphenyls and polybrominated diphenyl ethers from feedstuffs. <i>Journal of Chromatography A</i> , <b>2013</b> , 1273, 18-25	4.5	25
58	Ultrasound-assisted extraction followed by disposable pipette purification for the determination of polychlorinated biphenyls in small-size biological tissue samples. <i>Journal of Chromatography A</i> , <b>2013</b> , 1317, 223-9	4.5	17
57	Optimisation of a biotechnological procedure for selective fractionation of bioactive inositols in edible legume extracts. <i>Journal of the Science of Food and Agriculture</i> , <b>2013</b> , 93, 2797-803	4.3	29
56	Bioconcentration of pesticides in zebrafish eleutheroembryos ( <i>Danio rerio</i> ). <i>Science of the Total Environment</i> , <b>2012</b> , 425, 184-90	10.2	57
55	Evaluation of comprehensive two-dimensional gas chromatography-time-of-flight-mass spectrometry for the analysis of polycyclic aromatic hydrocarbons in sediments. <i>Journal of Chromatography A</i> , <b>2012</b> , 1256, 222-31	4.5	19
54	Low molecular weight carbohydrates in pine nuts from <i>Pinus pinea</i> L. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 4957-9	5.7	20
53	Basics and Advances in Sampling and Sample Preparation <b>2012</b> , 3-24		5
52	Critical overview of selected contemporary sample preparation techniques. <i>Journal of Chromatography A</i> , <b>2012</b> , 1221, 84-98	4.5	211

51	Matrix Solid-Phase Dispersion <b>2012</b> , 299-310		0
50	CHAPTER 5:Miniaturization of Analytical Methods. <i>RSC Green Chemistry</i> , <b>2011</b> , 107-143	0.9	1
49	Comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry for the identification of organobrominated compounds in bluefin tuna. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 6995-7002	4.5	21
48	Separation of disaccharides by comprehensive two-dimensional gas chromatography-time-of-flight mass spectrometry. Application to honey analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 11561-7	5.7	15
47	DETERMINATION OF RESIDUAL PHENOTHIAZINES IN LIVER BY MATRIX SOLID PHASE DISPERSION COMBINED WITH HPLC WITH FLUORESCENCE DETECTION. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2009</b> , 33, 270-282	1.3	4
46	Chapter 1 Multidimensionality in Gas Chromatography: General Concepts. <i>Comprehensive Analytical Chemistry</i> , <b>2009</b> , 3-14	1.9	2
45	Extraction of volatile and semi-volatile components from oak wood used for aging wine by miniaturised pressurised liquid technique. <i>International Journal of Food Science and Technology</i> , <b>2009</b> , 44, 1825-1835	3.8	17
44	Comparison of gas chromatography-based approaches after fast miniaturised sample preparation for the monitoring of selected pesticide classes in fruits. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 7307-7313	4.5	38
43	Anthropogenic and naturally-produced organobrominated compounds in bluefin tuna from the Mediterranean Sea. <i>Chemosphere</i> , <b>2009</b> , 76, 1477-82	8.4	24
42	Annex Troubleshooting. <i>Comprehensive Analytical Chemistry</i> , <b>2009</b> , 283-298	1.9	4
41	Chapter 11 Environmental Analysis. <i>Comprehensive Analytical Chemistry</i> , <b>2009</b> , 55, 243-280	1.9	
40	Fractionation of honey carbohydrates using pressurized liquid extraction with activated charcoal. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 8309-13	5.7	26
39	Comprehensive two-dimensional gas chromatography in the screening of persistent organohalogenated pollutants in environmental samples. <i>Journal of Chromatography A</i> , <b>2008</b> , 1186, 312-324	4.5	42
38	Ultrasonic-assisted matrix solid-phase dispersion as an improved methodology for the determination of pesticides in fruits. <i>Journal of Chromatography A</i> , <b>2008</b> , 1212, 145-9	4.5	66
37	Sample preparation for the determination of chlorophenols. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2008</b> , 27, 418-436	14.6	46
36	Recent developments in the analysis of brominated flame retardants and brominated natural compounds. <i>Journal of Chromatography A</i> , <b>2007</b> , 1153, 145-71	4.5	229
35	Miniaturised selective pressurised liquid extraction of polychlorinated biphenyls from foodstuffs. <i>Journal of Chromatography A</i> , <b>2007</b> , 1152, 254-61	4.5	51
34	Feasibility of gas chromatography-ion trap tandem mass spectrometry for the determination of polychlorinated biphenyls in food. <i>Journal of Separation Science</i> , <b>2006</b> , 29, 123-30	3.4	23

33	Determination of toxaphene enantiomers by comprehensive two-dimensional gas chromatography with electron-capture detection. <i>Journal of Chromatography A</i> , <b>2006</b> , 1125, 220-8	4.5	28
32	Recent advances in matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 96-111	14.6	211
31	Chiral comprehensive two-dimensional gas chromatography with electron-capture detection applied to the analysis of chiral polychlorinated biphenyls in food samples. <i>Journal of Chromatography A</i> , <b>2005</b> , 1078, 128-35	4.5	35
30	Miniaturization in sample treatment for environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 381, 119-40	4.4	86
29	Optimization of a matrix solid-phase dispersion method with subsequent clean-up for the determination of ethylene bisdithiocarbamate residues in almond samples. <i>Journal of Chromatography A</i> , <b>2004</b> , 1041, 35-41	4.5	36
28	Development of a solid phase extraction method for simultaneous determination of corticoids and tranquilizers in serum samples. <i>Journal of Separation Science</i> , <b>2004</b> , 27, 53-8	3.4	12
27	Miniaturised sample preparation of fatty foodstuffs for the determination of polychlorinated biphenyls. <i>Journal of Separation Science</i> , <b>2004</b> , 27, 595-601	3.4	28
26	Levels of polychlorinated biphenyls and organochlorine pesticides in serum samples of Egyptian Vulture ( <i>Neophron percnopterus</i> ) from Spain. <i>Chemosphere</i> , <b>2004</b> , 55, 577-83	8.4	19
25	Monofluorinated analogues of polycyclic aromatic hydrocarbons as internal standards for GC-MS in environmental analysis. <i>Chromatographia</i> , <b>2003</b> , 57, 379-383	2.1	4
24	Determination of cholesterol oxides content in milk products by solid phase extraction and gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , <b>2003</b> , 26, 927-931	3.4	9
23	Determination of polychlorinated biphenyls in small-size serum samples by solid-phase extraction followed by gas chromatography with micro-electron-capture detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2002</b> , 766, 279-87	3.2	45
22	Current use of pressurised liquid extraction and subcritical water extraction in environmental analysis. <i>Journal of Chromatography A</i> , <b>2002</b> , 975, 3-29	4.5	322
21	Suitability of several carbon sorbents for the fractionation of various sub-groups of toxic polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans. <i>Journal of Chromatography A</i> , <b>2001</b> , 917, 227-37	4.5	26
20	Miniaturized automated matrix solid-phase dispersion extraction of pesticides in fruit followed by gas chromatographic-mass spectrometric analysis. <i>Journal of Chromatography A</i> , <b>2001</b> , 917, 277-86	4.5	69
19	Solid-phase microextraction method for the determination of atrazine and four organophosphorus pesticides in soil samples by gas chromatography. <i>Journal of Chromatography A</i> , <b>2001</b> , 939, 13-21	4.5	111
18	Miniaturised pressurised liquid extraction of polycyclic aromatic hydrocarbons from soil and sediment with subsequent large-volume injection-gas chromatography. <i>Journal of Chromatography A</i> , <b>2000</b> , 891, 275-86	4.5	80
17	Study of the distribution of the polychlorinated biphenyls in the milk fat globule by supercritical fluid extraction. <i>Chemosphere</i> , <b>2000</b> , 41, 881-8	8.4	10
16	Study of the Fast Competitive Adsorption of Pesticides in Soils by Simultaneous Filtration and Solid-Phase Extraction with Subsequent GC-MS. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 1049-1055	10.3	8

15	Levels of polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and dibenzofurans in commercial yoghurt samples in Spain: Comparison with different dairy products. <i>Analytica Chimica Acta</i> , <b>1999</b> , 402, 241-252	6.6	14
14	Sequential extraction of copper, lead, cadmium, and zinc in sediments from Ebro river (Spain): relationship with levels detected in earthworms. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1999</b> , 62, 301-8	2.7	67
13	Heavy metal pollution in water, sediments, and earthworms from the Ebro River, Spain. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>1999</b> , 63, 305-11	2.7	40
12	Comparative study of methodologies for the analysis of PCDDs and PCDFs in powdered full-fat milk. PCB, PCDD and PCDF levels in commercial samples from Spain. <i>Chemosphere</i> , <b>1999</b> , 38, 2577-89	8.4	16
11	Levels of PCBs, PCDDs and PCDFs in commercial butter samples in Spain. <i>Chemosphere</i> , <b>1999</b> , 38, 3141-53	4	19
10	Simultaneous Filtration and Liquid Chromatographic Microextraction with Subsequent GC-MS Analysis To Study Adsorption Equilibria of Pesticides in Soil. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 3254-3259	10.3	10
9	Selective extraction of polychlorinated biphenyls from dairy products using steam distillation-solvent extraction at normal pressure. <i>Analytica Chimica Acta</i> , <b>1998</b> , 376, 313-323	6.6	9
8	Gas chromatography determination of polychlorinated biphenyls in powdered and liquid soybean milks. <i>Journal of Chromatography A</i> , <b>1998</b> , 815, 272-7	4.5	8
7	Determination of polychlorinated biphenyls in soybean infant formulas by gas chromatography. <i>Journal of Chromatography A</i> , <b>1998</b> , 823, 365-72	4.5	15
6	Comparative Study of Methodologies for the Analysis of Organochlorinated Compounds in Powdered Full-Fat Milk. I. PCBs. <i>International Journal of Environmental Analytical Chemistry</i> , <b>1998</b> , 71, 119-136	1.8	5
5	Levels of PCDDs and PCDFs in farm cow milk located near potential contaminant sources in Asturias (Spain). Comparison with levels found in control, rural farms and commercial pasteurized cow milks. <i>Chemosphere</i> , <b>1997</b> , 35, 2167-79	8.4	36
4	Elution pattern of planar chlorinated biphenyls and 2,3,7,8-polychlorinated dibenzo-p-dioxins/dibenzofurans on chromatographic adsorbents and factors affecting the mechanism of retention possibilities of selective separation of both families. <i>Journal of Chromatography A</i> , <b>1997</b> , 759, 127-137	4.5	22
3	Variation of PCB congener levels during lactation period and relationship to their molecular structure. <i>Archives of Environmental Contamination and Toxicology</i> , <b>1997</b> , 33, 97-103	3.2	20
2	Recoveries of organochlorine compounds (polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans) in water using steam distillation-solvent extraction at normal pressure. <i>Journal of Chromatography A</i> , <b>1995</b> , 690, 243-249	4.5	10
1	Miniaturization		2