

Lourdes Ramos

List of Publications by Year in descending order

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86
papers

3,453
citations

147566

31
h-index

143772

57
g-index

89
all docs

89
docs citations

89
times ranked

3572
citing authors

#	ARTICLE	IF	CITATIONS
1	Current use of pressurised liquid extraction and subcritical water extraction in environmental analysis. <i>Journal of Chromatography A</i> , 2002, 975, 3-29.	1.8	353
2	Recent developments in the analysis of brominated flame retardants and brominated natural compounds. <i>Journal of Chromatography A</i> , 2007, 1153, 145-171.	1.8	246
3	Critical overview of selected contemporary sample preparation techniques. <i>Journal of Chromatography A</i> , 2012, 1221, 84-98.	1.8	241
4	Recent advances in matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , 2006, 25, 96-111.	5.8	231
5	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> , 2001, 939, 13-21.	1.8	121
6	Migration and characterisation of nanosilver from food containers by AF4-ICP-MS. <i>Food Chemistry</i> , 2015, 166, 76-85.	4.2	107
7	Miniaturization in sample treatment for environmental analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 381, 119-140.	1.9	95
8	Miniaturised pressurised liquid extraction of polycyclic aromatic hydrocarbons from soil and sediment with subsequent large-volume injection in gas chromatography. <i>Journal of Chromatography A</i> , 2000, 891, 275-286.	1.8	92
9	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> , 1999, 62, 301-308.	1.3	81
10	Miniaturized automated matrix solid-phase dispersion extraction of pesticides in fruit followed by gas chromatographic mass spectrometric analysis. <i>Journal of Chromatography A</i> , 2001, 917, 277-286.	1.8	79
11	Ultrasonic-assisted matrix solid-phase dispersion as an improved methodology for the determination of pesticides in fruits. <i>Journal of Chromatography A</i> , 2008, 1212, 145-149.	1.8	76
12	Use of ionic liquids in analytical sample preparation of organic compounds from food and environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 43, 121-145.	5.8	76
13	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> , 2016, 196, 1156-1162.	4.2	74
14	Bioconcentration of pesticides in Zebrafish eleutheroembryos (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2012, 425, 184-190.	3.9	68
15	Silver speciation and characterization of nanoparticles released from plastic food containers by single particle ICPMS. <i>Talanta</i> , 2016, 151, 83-90.	2.9	61
16	Miniaturised selective pressurised liquid extraction of polychlorinated biphenyls from foodstuffs. <i>Journal of Chromatography A</i> , 2007, 1152, 254-261.	1.8	53
17	Sample preparation for the determination of chlorophenols. <i>TrAC - Trends in Analytical Chemistry</i> , 2008, 27, 418-436.	5.8	50
18	Heavy Metal Pollution in Water, Sediments, and Earthworms from the Ebro River, Spain. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1999, 63, 305-311.	1.3	48

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19	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> , 2002, 766, 279-287.	1.2	48
20	Comprehensive two-dimensional gas chromatography in the screening of persistent organohalogenated pollutants in environmental samples. <i>Journal of Chromatography A</i> , 2008, 1186, 312-324.	1.8	45
21	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> , 2014, 1371, 227-236.	1.8	44
22	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> , 2009, 1216, 7307-7313.	1.8	42
23	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> , 2017, 221, 822-828.	4.2	41
24	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> , 2019, 195, 800-806.	2.9	41
25	Levels of PCDDs and PCDFs in farm cow's milk located near potential contaminant sources in Asturias (Spain). Comparison with levels found in control, rural farms and commercial pasteurized cow's milks. <i>Chemosphere</i> , 1997, 35, 2167-2179.	4.2	39
26	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> , 2004, 1041, 35-41.	1.8	38
27	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> , 2005, 1078, 128-135.	1.8	37
28	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> , 2013, 93, 2797-2803.	1.7	37
29	Optimization of pressurized liquid extraction of inositols from pine nuts (<i>Pinus pinea</i> L.). <i>Food Chemistry</i> , 2014, 153, 450-456.	4.2	33
30	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> , 2018, 1536, 163-175.	1.8	32
31	Miniaturised sample preparation of fatty foodstuffs for the determination of polychlorinated biphenyls. <i>Journal of Separation Science</i> , 2004, 27, 595-601.	1.3	31
32	Fractionation of Honey Carbohydrates Using Pressurized Liquid Extraction with Activated Charcoal. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 8309-8313.	2.4	31
33	Determination of toxaphene enantiomers by comprehensive two-dimensional gas chromatography with electron-capture detection. <i>Journal of Chromatography A</i> , 2006, 1125, 220-228.	1.8	30
34	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> , 2014, 94, 1264-1271.	1.8	30
35	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> , 2001, 917, 227-237.	1.8	29
36	Anthropogenic and naturally-produced organobrominated compounds in bluefin tuna from the Mediterranean Sea. <i>Chemosphere</i> , 2009, 76, 1477-1482.	4.2	28

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37	Miniaturized selective pressurized liquid extraction of polychlorinated biphenyls and polybrominated diphenyl ethers from feedstuffs. <i>Journal of Chromatography A</i> , 2013, 1273, 18-25.	1.8	28
38	Zebrafish (<i>Danio rerio</i>) Eleutheroembryo-Based Procedure for Assessing Bioaccumulation. <i>Environmental Science & Technology</i> , 2015, 49, 1860-1869.	4.6	26
39	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> , 1997, 759, 127-137.	1.8	24
40	Variation of PCB Congener Levels During Lactation Period and Relationship to Their Molecular Structure. <i>Archives of Environmental Contamination and Toxicology</i> , 1997, 33, 97-103.	2.1	24
41	Feasibility of gas chromatography - ion trap tandem mass spectrometry for the determination of polychlorinated biphenyls in food. <i>Journal of Separation Science</i> , 2006, 29, 123-130.	1.3	24
42	Influence of Chemical Structure on the Solubility of Low Molecular Weight Carbohydrates in Room Temperature Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 13843-13850.	1.8	24
43	Extraction and characterization of low molecular weight bioactive carbohydrates from mung bean (<i>Vigna radiata</i>). <i>Food Chemistry</i> , 2018, 266, 146-154.	4.2	23
44	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> , 2011, 1218, 6995-7002.	1.8	22
45	Levels of PCBs, PCDDs and PCDFs in commercial butter samples in Spain. <i>Chemosphere</i> , 1999, 38, 3141-3153.	4.2	21
46	Low Molecular Weight Carbohydrates in Pine Nuts from <i>Pinus pinea</i> L.. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 4957-4959.	2.4	21
47	Evaluation of ionic liquid gas chromatography stationary phases for the separation of polychlorinated biphenyls. <i>Journal of Chromatography A</i> , 2018, 1559, 156-163.	1.8	21
48	Use of new tailored and engineered materials for matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 751-758.	5.8	21
49	Levels of polychlorinated biphenyls and organochlorine pesticides in serum samples of Egyptian Vulture (<i>Neophron percnopterus</i>) from Spain. <i>Chemosphere</i> , 2004, 55, 577-583.	4.2	20
50	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> , 2012, 1256, 222-231.	1.8	20
51	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> , 2013, 1317, 223-229.	1.8	20
52	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> , 1999, 38, 2577-2589.	4.2	18
53	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> , 2009, 44, 1825-1835.	1.3	18
54	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> , 2010, 58, 11561-11567.	2.4	18

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55	Use of room temperature ionic liquids for the selective fractionation of bioactive ketoses from aldoses. <i>Separation and Purification Technology</i> , 2015, 149, 140-145.	3.9	16
56	Determination of polychlorinated biphenyls in soybean infant formulas by gas chromatography. <i>Journal of Chromatography A</i> , 1998, 823, 365-372.	1.8	15
57	Levels of polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and dibenzofurans in commercial yoghurt samples in Spain. <i>Analytica Chimica Acta</i> , 1999, 402, 241-252.	2.6	15
58	Characterization of cyclitol glycosides by gas chromatography coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2017, 1484, 58-64.	1.8	14
59	Recoveries of organochlorine compounds (polychlorinated biphenyls, polychlorinated) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 58 extraction at normal pressure. <i>Journal of Chromatography A</i> , 1995, 690, 243-249.	1.8	12
60	Development of a solid phase extraction method for simultaneous determination of corticoids and tranquilizers in serum samples. <i>Journal of Separation Science</i> , 2004, 27, 53-58.	1.3	12
61	Development of a carbohydrate silylation method in ionic liquids for their gas chromatographic analysis. <i>Analytica Chimica Acta</i> , 2013, 787, 87-92.	2.6	12
62	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> , 2017, 409, 4905-4913.	1.9	12
63	Study of the distribution of the polychlorinated biphenyls in the milk fat globule by supercritical fluid extraction. <i>Chemosphere</i> , 2000, 41, 881-888.	4.2	11
64	Determination of cholesterol oxides content in milk products by solid phase extraction and gas chromatography-mass spectrometry. <i>Journal of Separation Science</i> , 2003, 26, 927-931.	1.3	11
65	Selective extraction of polychlorinated biphenyls from dairy products using steam distillation solvent extraction at normal pressure. <i>Analytica Chimica Acta</i> , 1998, 376, 313-323.	2.6	10
66	Simultaneous Filtration and Liquid Chromatographic Microextraction with Subsequent GC-MS Analysis To Study Adsorption Equilibria of Pesticides in Soil. <i>Environmental Science & Technology</i> , 1999, 33, 3254-3259.	4.6	10
67	Study of the Fast Competitive Adsorption of Pesticides in Soils by Simultaneous Filtration and Solid-Phase Extraction with Subsequent GC-MS. <i>Environmental Science & Technology</i> , 2000, 34, 1049-1055.	4.6	10
68	The latest trends in the miniaturized treatment of solid samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 71, 275-281.	5.8	10
69	Selective fractionation of sugar alcohols using ionic liquids. <i>Separation and Purification Technology</i> , 2019, 209, 800-805.	3.9	10
70	Gas chromatography determination of polychlorinated biphenyls in powdered and liquid soybean milks. <i>Journal of Chromatography A</i> , 1998, 815, 272-277.	1.8	9
71	Microwave-Assisted Extraction of Polysaccharides. , 2015, , 987-1008.		8
72	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> , 1998, 71, 119-136.	1.8	6

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73	Monofluorinated analogues of polycyclic aromatic hydrocarbons as internal standards for GC-MS in environmental analysis. <i>Chromatographia</i> , 2003, 57, 379-383.	0.7	6
74	Basics and Advances in Sampling and Sample Preparation. , 2012, , 3-24.		6
75	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> , 2018, 1570, 116-125.	1.8	6
76	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> , 2009, 33, 270-282.	0.5	4
77	Chapter 1 Multidimensionality in Gas Chromatography: General Concepts. <i>Comprehensive Analytical Chemistry</i> , 2009, , 3-14.	0.7	4
78	Annex Troubleshooting. <i>Comprehensive Analytical Chemistry</i> , 2009, , 283-298.	0.7	4
79	Chapter 11 Environmental Analysis. <i>Comprehensive Analytical Chemistry</i> , 2009, 55, 243-280.	0.7	3
80	CHAPTER 5. Miniaturization of Analytical Methods. <i>RSC Green Chemistry</i> , 2011, , 107-143.	0.0	2
81	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> , 2020, 1616, 460844.	1.8	2
82	Basics and advances in sampling and sample preparation. , 2020, , 3-31.		2
83	Matrix Solid-Phase Dispersion. , 2012, , 299-310.		1
84	Sample Preparation Techniques for GC. , 2014, , 577-602.		0
85	Matrix Solid Phase Dispersion. <i>Comprehensive Analytical Chemistry</i> , 2017, 76, 375-402.	0.7	0
86	FOREWORD. <i>Journal of Chromatography A</i> , 2018, 1536, 1.	1.8	0