

# Dolores Hernando

## List of Publications by Year in descending order

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66  
papers

6,664  
citations

76196

40  
h-index

102304

66  
g-index

66  
all docs

66  
docs citations

66  
times ranked

7203  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental risk assessment of pharmaceutical residues in wastewater effluents, surface waters and sediments. <i>Talanta</i> , 2006, 69, 334-342.	2.9	1,297
2	Liquid chromatography-tandem mass spectrometry for the analysis of pharmaceutical residues in environmental samples: a review. <i>Journal of Chromatography A</i> , 2005, 1067, 1-14.	1.8	535
3	Occurrence and persistence of organic emerging contaminants and priority pollutants in five sewage treatment plants of Spain: Two years pilot survey monitoring. <i>Environmental Pollution</i> , 2012, 164, 267-273.	3.7	374
4	Analysis and occurrence of pharmaceuticals, estrogens, progestogens and polar pesticides in sewage treatment plant effluents, river water and drinking water in the Llobregat river basin (Barcelona). <i>Journal of Chromatography A</i> , 2005, 1067, 1-14.	1.8	535
5	Application of Liquid Chromatography/Quadrupole-Linear Ion Trap Mass Spectrometry and Time-of-Flight Mass Spectrometry to the Determination of Pharmaceuticals and Related Contaminants in Wastewater. <i>Analytical Chemistry</i> , 2007, 79, 9372-9384.	3.2	279
6	Toxicity evaluation of single and mixed antifouling biocides measured with acute toxicity bioassays. <i>Analytica Chimica Acta</i> , 2002, 456, 303-312.	2.6	214
7	Degradation of Imidacloprid in Water by Photo-Fenton and TiO <sub>2</sub> Photocatalysis at a Solar Pilot Plant: A Comparative Study. <i>Environmental Science &amp; Technology</i> , 2001, 35, 4359-4366.	4.6	184
8	Evidence of 2,7/2,8-dibenzodichloro-p-dioxin as a photodegradation product of triclosan in water and wastewater samples. <i>Analytica Chimica Acta</i> , 2004, 524, 241-247.	2.6	178
9	Removal of pharmaceuticals and kinetics of mineralization by O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> in a biotreated municipal wastewater. <i>Water Research</i> , 2008, 42, 3719-3728.	5.3	150
10	Photocatalytic Treatment of Diuron by Solar Photocatalysis: Evaluation of Main Intermediates and Toxicity. <i>Environmental Science &amp; Technology</i> , 2003, 37, 2516-2524.	4.6	140
11	Toxicity assays: a way for evaluating AOPs efficiency. <i>Water Research</i> , 2002, 36, 4255-4262.	5.3	136
12	Comprehensive screening of target, non-target and unknown pesticides in food by LC-TOF-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 828-841.	5.8	132
13	Toxicity assays applied to wastewater treatment. <i>Talanta</i> , 2005, 65, 358-366.	2.9	130
14	Comparative study of analytical methods involving gas chromatography-mass spectrometry after derivatization and gas chromatography-tandem mass spectrometry for the determination of selected endocrine disrupting compounds in wastewaters. <i>Journal of Chromatography A</i> , 2004, 1047, 129-135.	1.8	115
15	Large Scale Pesticide Multiresidue Methods in Food Combining Liquid Chromatography- Time-of-Flight Mass Spectrometry and Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 7308-7323.	3.2	114
16	Comparison of sulfonated and other micropollutants removal in membrane bioreactor and conventional wastewater treatment. <i>Water Research</i> , 2007, 41, 935-945.	5.3	113
17	Trace-level determination of pharmaceutical residues by LC-MS/MS in natural and treated waters. A pilot-survey study. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 985-991.	1.9	109
18	Determination of malachite green residues in fish using molecularly imprinted solid-phase extraction followed by liquid chromatography-linear ion trap mass spectrometry. <i>Analytica Chimica Acta</i> , 2010, 665, 47-54.	2.6	109

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19	Application of passive sampling devices for screening of micro-pollutants in marine aquaculture using LC-MS/MS. <i>Talanta</i> , 2009, 77, 1518-1527.	2.9	99
20	LC-MS analysis of basic pharmaceuticals (beta-blockers and anti-ulcer agents) in wastewater and surface water. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 581-594.	5.8	98
21	Development of a solvent-free method for the simultaneous identification/quantification of drugs of abuse and their metabolites in environmental water by LC-MS/MS. <i>Talanta</i> , 2011, 85, 157-166.	2.9	92
22	Combined toxicity effects of MTBE and pesticides measured with <i>Vibrio fischeri</i> and <i>Daphnia magna</i> bioassays. <i>Water Research</i> , 2003, 37, 4091-4098.	5.3	88
23	Liquid chromatography with time-of-flight mass spectrometry for simultaneous determination of chemotherapeutant residues in salmon. <i>Analytica Chimica Acta</i> , 2006, 562, 176-184.	2.6	87
24	Liquid chromatography/time-of-flight mass spectrometric analyses for the elucidation of the photodegradation products of triclosan in wastewater samples. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 443-450.	0.7	74
25	Occurrence of Antifouling Biocides in the Spanish Mediterranean Marine Environment. <i>Environmental Technology (United Kingdom)</i> , 2001, 22, 543-552.	1.2	73
26	Application of high-performance liquid chromatography-tandem mass spectrometry with a quadrupole/linear ion trap instrument for the analysis of pesticide residues in olive oil. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1815-1831.	1.9	73
27	Identification and measurement of veterinary drug residues in beehive products. <i>Food Chemistry</i> , 2019, 274, 61-70.	4.2	72
28	Evaluation of various liquid chromatography-quadrupole-linear ion trap-mass spectrometry operation modes applied to the analysis of organic pollutants in wastewaters. <i>Journal of Chromatography A</i> , 2009, 1216, 5995-6002.	1.8	62
29	Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays. <i>Analytica Chimica Acta</i> , 2001, 426, 289-301.	2.6	59
30	LC-MS analysis and environmental risk of lipid regulators. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1269-1285.	1.9	59
31	Simultaneous measurement in mass and mass/mass mode for accurate qualitative and quantitative screening analysis of pharmaceuticals in river water. <i>Journal of Chromatography A</i> , 2012, 1256, 80-88.	1.8	58
32	Fast separation liquid chromatography-tandem mass spectrometry for the confirmation and quantitative analysis of avermectin residues in food. <i>Journal of Chromatography A</i> , 2007, 1155, 62-73.	1.8	56
33	Gas chromatographic determination of pesticides in vegetable samples by sequential positive and negative chemical ionization and tandem mass spectrometric fragmentation using an ion trap analyser. <i>Analyst, The</i> , 2001, 126, 46-51.	1.7	53
34	Identification of photocatalytic degradation products of bezafibrate in TiO <sub>2</sub> aqueous suspensions by liquid and gas chromatography. <i>Journal of Chromatography A</i> , 2008, 1183, 38-48.	1.8	53
35	Identification of non-intentionally added substances in food packaging nano films by gas and liquid chromatography coupled to orbitrap mass spectrometry. <i>Talanta</i> , 2017, 172, 68-77.	2.9	53
36	Evaluation of selected ubiquitous contaminants in the aquatic environment and their transformation products. A pilot study of their removal from a sewage treatment plant. <i>Water Research</i> , 2011, 45, 2331-2341.	5.3	51

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37	Microflow Liquid Chromatography Coupled to Mass Spectrometryâ€”An Approach to Significantly Increase Sensitivity, Decrease Matrix Effects, and Reduce Organic Solvent Usage in Pesticide Residue Analysis. <i>Analytical Chemistry</i> , 2015, 87, 1018-1025.	3.2	49
38	Comparative evaluation of the effects of pesticides in acute toxicity luminescence bioassays. <i>Analytica Chimica Acta</i> , 2002, 451, 195-202.	2.6	46
39	Exploration of environmental contaminants in honeybees using GC-TOF-MS and GC-Orbitrap-MS. <i>Science of the Total Environment</i> , 2019, 647, 232-244.	3.9	46
40	Splitless large-volume GC-MS injection for the analysis of organophosphorus and organochlorine pesticides in vegetables using a miniaturised ethyl acetate extraction. <i>Analyst, The</i> , 2000, 125, 1397-1402.	1.7	45
41	Simultaneous screening of targeted and nonâ€”targeted contaminants using an LCâ€”QTOFâ€”MS system and automated MS/MS library searching. <i>Journal of Mass Spectrometry</i> , 2014, 49, 878-893.	0.7	40
42	Multiresidue method for the analysis of five antifouling agents in marine and coastal waters by gas chromatographyâ€”mass spectrometry with large-volume injection. <i>Journal of Chromatography A</i> , 2000, 889, 261-269.	1.8	39
43	Environmental Risk Assessment of Emerging Pollutants in Water: Approaches Under Horizontal and Vertical EU Legislation. <i>Critical Reviews in Environmental Science and Technology</i> , 2011, 41, 699-731.	6.6	38
44	Application of zirconium dioxide nanoparticle sorbent for the clean-up step in post-harvest pesticide residue analysis. <i>Talanta</i> , 2015, 144, 51-61.	2.9	38
45	Determination of traces of five antifouling agents in water by gas chromatography with positive/negative chemical ionisation and tandem mass spectrometric detection. <i>Journal of Chromatography A</i> , 2001, 938, 103-111.	1.8	34
46	Post-acquisition data processing for the screening of transformation products of different organic contaminants. Two-year monitoring of river water using LC-ESI-QTOF-MS and GCxGC-EL-TOF-MS. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12583-12604.	2.7	33
47	Application of ring study: Water toxicity determinations by bioluminescence assay with <i>Vibrio fischeri</i> . <i>Talanta</i> , 2006, 69, 370-376.	2.9	30
48	Screening of antifouling pesticides in sea water samples at low ppt levels by GC-MS and LC-MS. <i>Chromatographia</i> , 2000, 52, 631-638.	0.7	29
49	Photolysis and photocatalysis of bisphenol A: identification of degradation products by liquid chromatography with electrospray ionization/time-of-flight/mass spectrometry (LC/ESI/ToF/MS). <i>Food Additives and Contaminants</i> , 2006, 23, 1242-1251.	2.0	27
50	Chemical and ecotoxicological assessment of poly(amidoamine) dendrimers in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2011, 30, 492-506.	5.8	26
51	Screening of environmental contaminants in honey bee wax comb using gas chromatographyâ€”high-resolution time-of-flight mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2016, 23, 4609-4620.	2.7	26
52	Determination of methyl tert.-butyl ether and tert.-butyl alcohol in seawater samples using purge-and-trap enrichment coupled to gas chromatography with atomic emission and mass spectrometric detection. <i>Journal of Chromatography A</i> , 2003, 999, 81-90.	1.8	25
53	European ring exercise on water toxicity using different bioluminescence inhibition tests based on <i>Vibrio fischeri</i> , in support to the implementation of the water framework directive. <i>Talanta</i> , 2006, 69, 323-333.	2.9	23
54	Toxicity of Single and Mixed Contaminants in Seawater Measured with Acute Toxicity Bioassays. <i>Scientific World Journal, The</i> , 2002, 2, 1115-1120.	0.8	20

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55	Investigation of Galaxolide degradation products generated under oxidative and irradiation processes by liquid chromatography/hybrid quadrupole time-of-flight mass spectrometry and comprehensive two-dimensional gas chromatography/time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 1237-1250.	0.7	20
56	Application of GC-MS and GC-AED to the evaluation of by-products formed by solar photo-fenton degradation of Methyltert-butyl ether in water. <i>International Journal of Environmental Analytical Chemistry</i> , 2004, 84, 149-159.	1.8	19
57	Determination of selected environmental contaminants in foraging honeybees. <i>Talanta</i> , 2016, 148, 1-6.	2.9	18
58	Automated dynamic headspace followed by a comprehensive two-dimensional gas chromatography full scan time-of-flight mass spectrometry method for screening of volatile organic compounds (VOCs) in water. <i>Analytical Methods</i> , 2013, 5, 1165.	1.3	17
59	Characterization of non-intentionally added substances (NIAS) and zinc oxide nanoparticle release from evaluation of new antimicrobial food contact materials by both LC-QTOF-MS, GC-QTOF-MS and ICP-MS. <i>Analytical Methods</i> , 2016, 8, 7209-7216.	1.3	15
60	Identification and quantification of poly(amidoamine) PAMAM dendrimers of generations 0 to 3 by liquid chromatography/hybrid quadrupole time-of-flight mass spectrometry in aqueous medium. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 747-762.	0.7	13
61	Fate and transformation products of amine-terminated PAMAM dendrimers under ozonation and irradiation. <i>Journal of Hazardous Materials</i> , 2014, 266, 102-113.	6.5	13
62	Chromatography-mass spectrometry and toxicity evaluation of selected contaminants in seawater. <i>Chromatographia</i> , 2002, 56, 199-206.	0.7	12
63	In vitro dose-response effects of poly(amidoamine) dendrimers [amino-terminated and surface-modified with N-(2-hydroxydodecyl) groups] and quantitative determination by a liquid chromatography-hybrid quadrupole/time-of-flight mass spectrometry based method. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2749-2763.	1.9	12
64	Evaluation of ozone-based treatment processes for wastewater containing microcontaminants using LC-QTRAP-MS and LC-TOF/MS. <i>Water Science and Technology</i> , 2008, 57, 41-48.	1.2	9
65	Qualitative and quantitative analysis of poly(amidoamine) dendrimers in an aqueous matrix by liquid chromatography-electrospray ionization-hybrid quadrupole/time-of-flight mass spectrometry (LC-ESI-QTOF-MS). <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5901-5914.	1.9	9
66	Quantitative determination of poly(amidoamine) dendrimers in urine by liquid chromatography/electrospray ionization hybrid quadrupole linear ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2519-2529.	0.7	6