

Dolores Hernando

List of Publications by Citations

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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.

66

papers

5,778

citations

39

h-index

66

g-index

66

ext. papers

6,176

ext. citations

6.3

avg, IF

5.43

L-index

#	Paper	IF	Citations
66	Environmental risk assessment of pharmaceutical residues in wastewater effluents, surface waters and sediments. <i>Talanta</i> , 2006 , 69, 334-42	6.2	1055
65	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	4.5	484
64	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, 267-73	9.3	305
63	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, Spain). <i>Journal of Hydrology</i> , 2008 , 358, 112-123	6	293
62	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, 9372-84	7.8	258
61	Toxicity evaluation of single and mixed antifouling biocides measured with acute toxicity bioassays. <i>Analytica Chimica Acta</i> , 2002 , 456, 303-312	6.6	192
60	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	6.6	163
59	Degradation of imidacloprid in water by photo-Fenton and TiO ₂ photocatalysis at a solar pilot plant: a comparative study. <i>Environmental Science & Technology</i> , 2001 , 35, 4359-66	10.3	155
58	Removal of pharmaceuticals and kinetics of mineralization by O ₃ /H ₂ O ₂ in a biotreated municipal wastewater. <i>Water Research</i> , 2008 , 42, 3719-28	12.5	127
57	Photocatalytic treatment of diuron by solar photocatalysis: evaluation of main intermediates and toxicity. <i>Environmental Science & Technology</i> , 2003 , 37, 2516-24	10.3	127
56	Toxicity assays applied to wastewater treatment. <i>Talanta</i> , 2005 , 65, 358-66	6.2	119
55	Toxicity assays: a way for evaluating AOPs efficiency. <i>Water Research</i> , 2002 , 36, 4255-62	12.5	118
54	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	14.6	113
53	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, 7308-23	7.8	106
52	Comparison of sulfonated and other micropollutants removal in membrane bioreactor and conventional wastewater treatment. <i>Water Research</i> , 2007 , 41, 935-45	12.5	101
51	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	6.6	100
50	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, 985-91	4.4	99

49	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, 129-35	4.5	99
48	Application of passive sampling devices for screening of micro-pollutants in marine aquaculture using LC-MS/MS. <i>Talanta</i> , 2009 , 77, 1518-27	6.2	91
47	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	14.6	90
46	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	6.6	81
45	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, 157-66	6.2	79
44	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, 4091-8	12.5	78
43	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, 1815-31	4.4	66
42	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, 443-50	2.2	65
41	Occurrence of antifouling biocides in the Spanish Mediterranean marine environment. <i>Environmental Technology (United Kingdom)</i> , 2001 , 22, 543-52	2.6	65
40	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	4.5	57
39	Toxicity of pesticides in wastewater: a comparative assessment of rapid bioassays. <i>Analytica Chimica Acta</i> , 2001 , 426, 289-301	6.6	56
38	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, 80-8	4.5	54
37	LC-MS analysis and environmental risk of lipid regulators. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1269-85	4.4	51
36	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	4.5	48
35	Identification of photocatalytic degradation products of bezafibrate in TiO ₂ aqueous suspensions by liquid and gas chromatography. <i>Journal of Chromatography A</i> , 2008 , 1183, 38-48	4.5	47
34	Microflow liquid chromatography coupled to mass spectrometry--an approach to significantly increase sensitivity, decrease matrix effects, and reduce organic solvent usage in pesticide residue analysis. <i>Analytical Chemistry</i> , 2015 , 87, 1018-25	7.8	44
33	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	6.2	43
32	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	5	43

31	Identification and measurement of veterinary drug residues in beehive products. <i>Food Chemistry</i> , 2019 , 274, 61-70	8.5	41
30	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, 2331-41	12.5	41
29	Comparative evaluation of the effects of pesticides in acute toxicity luminescence bioassays. <i>Analytica Chimica Acta</i> , 2002 , 451, 195-202	6.6	41
28	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, 1397-402 ⁵	5	41
27	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	10.2	37
26	Simultaneous screening of targeted and non-targeted contaminants using an LC-QTOF-MS system and automated MS/MS library searching. <i>Journal of Mass Spectrometry</i> , 2014 , 49, 878-93	2.2	36
25	Multiresidue method for the analysis of five antifouling agents in marine and coastal waters by gas chromatography-mass spectrometry with large-volume injection. <i>Journal of Chromatography A</i> , 2000 , 889, 261-9	4.5	35
24	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-EI-TOF-MS. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 12583-604	5.1	32
23	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	11.1	32
22	Application of zirconium dioxide nanoparticle sorbent for the clean-up step in post-harvest pesticide residue analysis. <i>Talanta</i> , 2015 , 144, 51-61	6.2	29
21	Application of ring study: water toxicity determinations by bioluminescence assay with <i>Vibrio fischeri</i> . <i>Talanta</i> , 2006 , 69, 370-6	6.2	29
20	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, 103-11	4.5	29
19	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	2.1	26
18	Chemical and ecotoxicological assessment of poly(amidoamine) dendrimers in the aquatic environment. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 492-506	14.6	25
17	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, 323-33	6.2	22
16	Screening of environmental contaminants in honey bee wax comb using gas chromatography-high-resolution time-of-flight mass spectrometry. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4609-20	5.1	21
15	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, 1242-51		20
14	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	4.5	18

13	Determination of selected environmental contaminants in foraging honeybees. <i>Talanta</i> , 2016 , 148, 1-6	6.2	17
12	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, 1237-50	2.2	17
11	Toxicity of single and mixed contaminants in seawater measured with acute toxicity bioassays. <i>Scientific World Journal, The</i> , 2002 , 2, 1115-20	2.2	17
10	Application of GC-MS and GC-AED to the evaluation of by-products formed by solar photo-fenton degradation of Methyl tert-butyl ether in water. <i>International Journal of Environmental Analytical Chemistry</i> , 2004 , 84, 149-159	1.8	14
9	Fate and transformation products of amine-terminated PAMAM dendrimers under ozonation and irradiation. <i>Journal of Hazardous Materials</i> , 2014 , 266, 102-13	12.8	12
8	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> , 2016 , 405, 5901-14	4.4	12
7	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	3.2	12
6	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	3.2	11
5	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, 747-62	2.2	10
4	Chromatography-mass spectrometry and toxicity evaluation of selected contaminants in seawater. <i>Chromatographia</i> , 2002 , 56, 199-206	2.1	10
3	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, 5901-14	4.4	8
2	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, 41-8	2.2	6
1	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	2.2	5