

Carme Aguilar

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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

2,199
citations

30
h-index

42
g-index

87
ext. papers

2,358
ext. citations

4.2
avg, IF

4.81
L-index

#	Paper	IF	Citations
86	Solid-phase microextraction and gas chromatography with mass spectrometric detection for the determination of pesticides in aqueous samples. <i>Journal of Chromatography A</i> , 1998 , 795, 105-115	4.5	110
85	Determination of ciprofloxacin, enrofloxacin and flumequine in pig plasma samples by capillary isotachopheresis--capillary zone electrophoresis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 772, 163-72	3.2	88
84	Monitoring of pesticides in river water based on samples previously stored in polymeric cartridges followed by on-line solid-phase extraction-liquid chromatography-diode array detection and confirmation by atmospheric pressure chemical ionization mass spectrometry. <i>Analytica Chimica Acta</i> , 2008 , 616, 1-18	6.6	71
83	Sorbent preconcentration procedures coupled to capillary electrophoresis for environmental and biological applications. <i>Analytica Chimica Acta</i> , 2008 , 616, 1-18	6.6	70
82	Improving sensitivity by large-volume sample stacking using the electroosmotic flow pump to analyze some nonsteroidal anti-inflammatory drugs by capillary electrophoresis in water samples. <i>Electrophoresis</i> , 2003 , 24, 2779-87	3.6	70
81	Recent trends in analytical methods and separation techniques for drugs of abuse in hair. <i>Analytica Chimica Acta</i> , 2015 , 856, 1-26	6.6	69
80	Comparison of automated on-line solid-phase extraction followed by liquid chromatography-mass spectrometry with atmospheric pressure chemical ionization and particle beam mass spectrometry for the determination of a priority group of pesticides in environmental waters. <i>Journal of Chromatography A</i> , 2008 , 1201, 117-123	4.5	67
79	Determination of pesticides in environmental waters by solid-phase extraction and gas chromatography with electron-capture and mass spectrometry detection. <i>Journal of Chromatography A</i> , 1997 , 771, 221-231	4.5	65
78	Recent advances in coupling solid-phase extraction and capillary electrophoresis (SPE/CE). <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 664-678	14.6	60
77	Application of capillary electrophoresis with different sample stacking strategies for the determination of a group of nonsteroidal anti-inflammatory drugs in the low microg x L(-1) concentration range. <i>Electrophoresis</i> , 2004 , 25, 428-36	3.6	59
76	Capillary electrophoresis for the analysis of non-steroidal anti-inflammatory drugs. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 133-153	14.6	55
75	Determination of some acidic drugs in surface and sewage treatment plant waters by capillary electrophoresis-electrospray ionization-mass spectrometry. <i>Electrophoresis</i> , 2004 , 25, 3441-9	3.6	49
74	Sample stacking for the analysis of penicillins by microemulsion electrokinetic capillary chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006 , 831, 196-204	3.2	48
73	Capillary electrophoresis and related techniques in the determination of drugs of abuse and their metabolites. <i>TrAC - Trends in Analytical Chemistry</i> , 2015 , 74, 89-108	14.6	45
72	Higher water temperature and incubation under aerobic and microaerobic conditions increase the recovery and diversity of <i>Arcobacter</i> spp. from shellfish. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 385-91	4.8	45
71	Different sample stacking strategies to analyse some nonsteroidal anti-inflammatory drugs by micellar electrokinetic capillary chromatography in mineral waters. <i>Journal of Chromatography A</i> , 2006 , 1117, 234-45	4.5	44
70	Optimization of solid-phase microextraction conditions using a response surface methodology to determine organochlorine pesticides in water by gas chromatography and electron-capture detection. <i>Journal of Chromatography A</i> , 1999 , 844, 425-32	4.5	44

69	Radon in spring waters in the south of Catalonia. <i>Journal of Environmental Radioactivity</i> , 2016 , 151 Pt 1, 275-281	2.4	43
68	Separation and on-column preconcentration of some nonsteroidal anti-inflammatory drugs by microemulsion electrokinetic capillary chromatography using high-speed separations. <i>Electrophoresis</i> , 2005 , 26, 970-9	3.6	39
67	Measurement of radioactivity in bottled drinking water in Spain. <i>Applied Radiation and Isotopes</i> , 2007 , 65, 1165-72	1.7	37
66	Improving the sensitivity of the determination of ceftiofur by capillary electrophoresis in environmental water samples: in-line solid phase extraction and sample stacking techniques. <i>Analytica Chimica Acta</i> , 2007 , 587, 208-15	6.6	37
65	Analysis of histones by on-line capillary zone electrophoresis-electrospray ionisation mass spectrometry. <i>Journal of Chromatography A</i> , 2001 , 926, 57-67	4.5	37
64	In-line solid-phase extraction-capillary electrophoresis coupled with mass spectrometry for determination of drugs of abuse in human urine. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 403, 777-84	4.4	36
63	On-line coupling of solid-phase extraction to gas chromatography with mass spectrometric detection to determine pesticides in water. <i>Journal of Chromatography A</i> , 1998 , 818, 85-93	4.5	33
62	Tritium activity levels in environmental water samples from different origins. <i>Applied Radiation and Isotopes</i> , 2007 , 65, 1048-56	1.7	33
61	Mycotic keratitis due to <i>Curvularia senegalensis</i> and in vitro antifungal susceptibilities of <i>Curvularia</i> spp. <i>Journal of Clinical Microbiology</i> , 1999 , 37, 4170-3	9.7	33
60	On-line and off-line solid-phase extraction with styrene-divinylbenzene-membrane extraction disks for determining pesticides in water by reversed-phase liquid chromatography-diode-array detection. <i>Journal of Chromatography A</i> , 1996 , 754, 77-84	4.5	31
59	On-line coupling of solid-phase extraction and capillary electrophoresis for the determination of cefoperazone and ceftiofur in plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007 , 856, 365-70	3.2	30
58	Sensitivity enhancement for the analysis of naproxen in tap water by solid-phase extraction coupled in-line to capillary electrophoresis. <i>Journal of Separation Science</i> , 2008 , 31, 872-80	3.4	30
57	Monitoring of antifouling agents in water samples by on-line solid-phase extraction-liquid chromatography-atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2001 , 915, 139-47	4.5	30
56	Electrokinetic supercharging focusing in capillary zone electrophoresis of weakly ionizable analytes in environmental and biological samples. <i>Electrophoresis</i> , 2010 , 31, 2964-73	3.6	29
55	Enantioselective determination of cathinone derivatives in human hair by capillary electrophoresis combined in-line with solid-phase extraction. <i>Electrophoresis</i> , 2016 , 37, 2352-62	3.6	29
54	Use of large-volume sample stacking in on-line solid-phase extraction-capillary electrophoresis for improved sensitivity. <i>Electrophoresis</i> , 2008 , 29, 1339-46	3.6	28
53	Analysis of Nonsteroidal Anti-inflammatory Drugs in Water Samples Using Microemulsion Electrokinetic Capillary Chromatography Under pH-Suppressed Electroosmotic Flow with an On-Column Preconcentration Technique. <i>Chromatographia</i> , 2006 , 63, 149-154	2.1	27
52	Determination of UV Filters in river water samples by in-line SPE-CE-MS. <i>Electrophoresis</i> , 2013 , 34, 374-82	3.6	26

51	On-line solid-phase extraction-ion-pair liquid chromatography-electrospray mass spectrometry for the trace determination of naphthalene monosulphonates in water. <i>Journal of Chromatography A</i> , 1999 , 854, 187-95	4.5	26
50	Presence of naturally occurring radioactive materials in sludge samples from several Spanish water treatment plants. <i>Journal of Hazardous Materials</i> , 2010 , 181, 716-21	12.8	25
49	Different strategies for the preconcentration and separation of parabens by capillary electrophoresis. <i>Electrophoresis</i> , 2013 , 34, 363-73	3.6	24
48	An in-line SPE strategy to enhance sensitivity in CE for the determination of pharmaceutical compounds in river water samples. <i>Electrophoresis</i> , 2011 , 32, 2114-22	3.6	23
47	Capillary electrophoresis combined in-line with solid-phase extraction using magnetic particles as new adsorbents for the determination of drugs of abuse in human urine. <i>Electrophoresis</i> , 2016 , 37, 1232-44	3.6	23
46	Investigation of in-line solid-phase extraction capillary electrophoresis for the analysis of drugs of abuse and their metabolites in water samples. <i>Electrophoresis</i> , 2012 , 33, 528-35	3.6	22
45	Sample stacking for the analysis of eight penicillin antibiotics by micellar electrokinetic capillary chromatography. <i>Electrophoresis</i> , 2005 , 26, 954-61	3.6	21
44	On-line coupling of equilibrium-sorptive enrichment to gas chromatography to determine low-molecular-mass pollutants in environmental water samples. <i>Journal of Chromatography A</i> , 2000 , 867, 207-18	4.5	21
43	Simultaneous determination of weakly ionizable analytes in urine and plasma samples by transient pseudo-isotachophoresis in capillary zone electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 527-34	4.4	20
42	Single-drop microextraction combined in-line with capillary electrophoresis for the determination of nonsteroidal anti-inflammatory drugs in urine samples. <i>Electrophoresis</i> , 2016 , 37, 274-81	3.6	18
41	Presence of artificial radionuclides in samples from potable water and wastewater treatment plants. <i>Journal of Environmental Radioactivity</i> , 2018 , 192, 187-193	2.4	18
40	Electrokinetic supercharging in CE for the separation and preconcentration of barbiturate drugs in urine samples. <i>Journal of Separation Science</i> , 2013 , 36, 524-31	3.4	18
39	Comparative study of different analytical methods for the determination of ²³⁸ U, ²³⁴ U, ²³⁵ U, ²³⁰ Th and ²³² Th in NORM samples (Southern Catalonia). <i>Journal of Environmental Radioactivity</i> , 2013 , 115, 207-13	2.4	18
38	Presence of radionuclides in sludge from conventional drinking water treatment plants. A review. <i>Journal of Environmental Radioactivity</i> , 2015 , 141, 24-31	2.4	17
37	Radioactivity evaluation of Ebro river water and sludge treated in a potable water treatment plant located in the South of Catalonia (Spain). <i>Applied Radiation and Isotopes</i> , 2010 , 68, 474-80	1.7	17
36	Enantioselective determination of cathinones in urine by high pressure in-line SPE-CE. <i>Electrophoresis</i> , 2019 , 40, 1762-1770	3.6	16
35	Evaluation of different parameters affecting the liquid scintillation spectrometry measurement of gross alpha and beta index in water samples. <i>Applied Radiation and Isotopes</i> , 2011 , 69, 1274-81	1.7	16
34	Findings in the hair of drug abusers using pressurized liquid extraction and solid-phase extraction coupled in-line with capillary electrophoresis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 131, 420-428	3.5	14

33	CE Analysis of Cephalosporins in Environmental Waters. <i>Chromatographia</i> , 2007 , 65, 501-504	2.1	14
32	Determination of ^{137}Cs and ^{210}Pb in sludge samples using a LOV-MSFIA system and liquid scintillation counting. <i>Applied Radiation and Isotopes</i> , 2014 , 86, 28-35	1.7	13
31	On-Column Preconcentration of Anti-Inflammatory Drugs in River Water by Anion-Selective Exhaustive Injection-Sweeping-MEKC. <i>Chromatographia</i> , 2011 , 73, 83-91	2.1	13
30	Strategies for Analyzing Cephalosporins by Microemulsion Electrokinetic Chromatography. <i>Chromatographia</i> , 2005 , 62, 603-610	2.1	12
29	Solid-phase extraction based on cation-exchange sorbents followed by liquid chromatography high-resolution mass spectrometry to determine synthetic cathinones in urine. <i>Forensic Toxicology</i> , 2020 , 38, 185-194	2.6	12
28	Identification of pesticides by liquid chromatography-particle beam mass spectrometry using electron ionization and chemical ionization. <i>Journal of Chromatography A</i> , 1998 , 805, 127-35	4.5	11
27	Determination of cocaine in abuser hairs by CE: monitoring compliance to a detoxification program. <i>Bioanalysis</i> , 2015 , 7, 437-47	2.1	10
26	Evaluation of the use of reverse osmosis to eliminate natural radionuclides from water samples. <i>Water Environment Research</i> , 2013 , 85, 2265-70	2.8	8
25	Impact of industries in the accumulation of radionuclides in the lower part of Ebro river (Catalonia, Spain). <i>Radioprotection</i> , 2010 , 45, 459-475	1.1	8
24	Isotachophoretic focusing and mass spectrometry detection as tools for improving the determination of aromatic sulfonates in capillary electrophoresis. <i>Electrophoresis</i> , 2002 , 23, 2279-87	3.6	8
23	Polonium-210 levels in different environmental samples. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 20032-40	5.1	7
22	Field-amplified sample injection combined with CE for the enantiodetermination of cathinones in urine samples. <i>Journal of Separation Science</i> , 2020 , 43, 2914-2924	3.4	7
21	Uranium and thorium sequential separation from norm samples by using a SIA system. <i>Journal of Environmental Radioactivity</i> , 2014 , 127, 82-7	2.4	7
20	Distribution of naturally occurring radioactive materials in sediments from the Ebro river reservoir in Flix (Southern Catalonia, Spain). <i>Journal of Hazardous Materials</i> , 2011 , 198, 57-64	12.8	7
19	DETERMINATION OF ANTI-INFLAMMATORY DRUGS IN RIVER WATER BY SWEEPING-MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2012 , 35, 2134-2147	1.3	6
18	An electrokinetic supercharging approach for the enantiodetermination of cathinones in urine samples by capillary electrophoresis. <i>Microchemical Journal</i> , 2020 , 158, 105300	4.8	6
17	Enantiodetermination of R,S-3,4-methylenedioxypropylvalerone in urine samples by high pressure in-line solid-phase extraction capillary electrophoresis-mass spectrometry. <i>Talanta</i> , 2021 , 225, 121994	6.2	6
16	Nuclear medicine: workplace monitoring and internal occupational exposure during a ventilation/perfusion single-photon emission tomography. <i>Radiation and Environmental Biophysics</i> , 2019 , 58, 407-415	2	4

15	In-line solid-phase extraction-capillary zone electrophoresis for the determination of barbiturate drugs in human urine. <i>Analytical Sciences</i> , 2014 , 30, 971-7	1.7	4
14	Bioaccumulation of natural radionuclides in molluscs from the Ebro Delta area. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 208-214	5.1	4
13	Study of the radiological impact caused by the extraction of the residue of a dicalcium phosphate industrial plant. <i>Radioprotection</i> , 2015 , 50, 135-140	1.1	4
12	Radionuclides in biota collected near a dicalcium phosphate plant, southern Catalonia, Spain. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 298, 2017-2024	1.5	4
11	Equilibrium-Sorptive Enrichment: A Novel Technique for Trace Analysis in Air. <i>Journal of High Resolution Chromatography</i> , 1999 , 22, 231-234		3
10	Comparison of different chiral selectors for the enantiomeric determination of amphetamine-type substances in human urine by solid-phase extraction followed by capillary electrophoresis-tandem mass spectrometry. <i>Electrophoresis</i> , 2021 ,	3.6	3
9	Cathinones in urine samples: A review of recent advances for their determination by chromatographic and related techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116347	14.6	3
8	Determination of Synthetic Cathinones in Urine and Oral Fluid by Liquid Chromatography High-Resolution Mass Spectrometry and Low-Resolution Mass Spectrometry: A Method Comparison. <i>Separations</i> , 2020 , 7, 53	3.1	2
7	Determination of artificial beta-emitters in sludge samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 309, 1077-1085	1.5	2
6	Sensitivity Enhancement in Capillary Electrophoresis Using Magnetic Particles as Solid-Phase Extraction Sorbents for the Determination of Drugs of Abuse in Urine. <i>Methods in Molecular Biology</i> , 2018 , 1810, 89-96	1.4	2
5	Environmental Applications 2020 , 591-641		2
4	A Fast Analytical Method for Determining Synthetic Cathinones in Oral Fluid by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Analytical Toxicology</i> , 2021 , 45, 693-700	2.9	2
3	The partitioning of ¹³¹ I in sludge samples from a wastewater treatment plant. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019 , 319, 1243-1250	1.5	1
2	Role of lithology in the presence of natural radioactivity in drinking water samples from Tarragona province. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 39333-39344	5.1	0
1	Recent chromatographic and electrophoretic based methods for determining drugs of abuse in urine and oral fluid: A review from 2018 to June 2021. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116705	14.6	0