

Carme Aguilar

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5225976/carme-aguilar-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
85	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
84	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
83	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
82	Enantiodetermination of R,S-3,4-methylenedioxypropylamphetamine in urine samples by high pressure in-line solid-phase extraction capillary electrophoresis-mass spectrometry. <i>Talanta</i> , 2021 , 225, 121994	6.2	6
81	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
80	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
79	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
78	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
77	Environmental Applications 2020 , 591-641		2
76	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
75	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
74	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
73	Enantioselective determination of cathinones in urine by high pressure in-line SPE-CE. <i>Electrophoresis</i> , 2019 , 40, 1762-1770	3.6	16
72	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
71	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
70	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

69	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
68	Determination of artificial beta-emitters in sludge samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 309, 1077-1085	1.5	2
67	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
66	Radon in spring waters in the south of Catalonia. <i>Journal of Environmental Radioactivity</i> , 2016 , 151 Pt 1, 275-281	2.4	43
65	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
64	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
63	Polonium-210 levels in different environmental samples. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 20032-40	5.1	7
62	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
61	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
60	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
59	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
58	Determination of cocaine in abuser hairs by CE: monitoring compliance to a detoxification program. <i>Bioanalysis</i> , 2015 , 7, 437-47	2.1	10
57	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
56	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
55	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
54	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
53	Different strategies for the preconcentration and separation of parabens by capillary electrophoresis. <i>Electrophoresis</i> , 2013 , 34, 363-73	3.6	24
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	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
50	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
49	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
48	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
47	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
46	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
45	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
44	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
43	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
42	Simultaneous determination of weakly ionizable analytes in urine and plasma samples by transient pseudo-isotachopheresis in capillary zone electrophoresis. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 527-34	4.4	20
41	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
40	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
39	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
38	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
37	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
36	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
35	Sorbent preconcentration procedures coupled to capillary electrophoresis for environmental and biological applications. <i>Analytica Chimica Acta</i> , 2008 , 616, 1-18	6.6	70
34	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

33	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
32	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
31	Recent advances in coupling solid-phase extraction and capillary electrophoresis (SPECE). <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 664-678	14.6	60
30	Tritium activity levels in environmental water samples from different origins. <i>Applied Radiation and Isotopes</i> , 2007 , 65, 1048-56	1.7	33
29	Measurement of radioactivity in bottled drinking water in Spain. <i>Applied Radiation and Isotopes</i> , 2007 , 65, 1165-72	1.7	37
28	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
27	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
26	CE Analysis of Cephalosporins in Environmental Waters. <i>Chromatographia</i> , 2007 , 65, 501-504	2.1	14
25	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
24	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
23	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
22	Strategies for Analyzing Cephalosporins by Microemulsion Electrokinetic Chromatography. <i>Chromatographia</i> , 2005 , 62, 603-610	2.1	12
21	Sample stacking for the analysis of eight penicillin antibiotics by micellar electrokinetic capillary chromatography. <i>Electrophoresis</i> , 2005 , 26, 954-61	3.6	21
20	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
19	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
18	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
17	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
16	Isotachopheric 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

15	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
14	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
13	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
12	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
11	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> , 1999 , 386, 237-249	6.6	71
10	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
9	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
8	Equilibrium-Sorptive Enrichment: A Novel Technique for Trace Analysis in Air. <i>Journal of High Resolution Chromatography</i> , 1999 , 22, 231-234		3
7	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
6	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> , 1998 , 794, 147-163	4.5	67
5	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
4	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
3	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
2	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
1	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