

Encarnacion Rodriguez-Gonzalo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2777210/publications.pdf>

Version: 2024-02-01

84
papers

3,132
citations

136740

32
h-index

161609

54
g-index

85
all docs

85
docs citations

85
times ranked

3132
citing authors

#	ARTICLE	IF	CITATIONS
1	Surfactant cloud point extraction and preconcentration of organic compounds prior to chromatography and capillary electrophoresis. <i>Journal of Chromatography A</i> , 2000, 902, 251-265.	1.8	370
2	Pressurized liquid extraction in the analysis of food and biological samples. <i>Journal of Chromatography A</i> , 2005, 1089, 1-17.	1.8	339
3	Simultaneous determination of phenyl- and sulfonyleurea herbicides in water by solid-phase extraction and liquid chromatography with UV diode array or mass spectrometric detection. <i>Analytica Chimica Acta</i> , 2004, 517, 71-79.	2.6	113
4	Evolution over time of the agricultural pollution of waters in an area of Salamanca and Zamora (Spain). <i>Water Research</i> , 2003, 37, 928-938.	5.3	96
5	Determination of herbicides and metabolites by solid-phase extraction and liquid chromatography. <i>Journal of Chromatography A</i> , 2002, 950, 157-166.	1.8	92
6	Cloud Point Extraction as a Preconcentration Step Prior to Capillary Electrophoresis. <i>Analytical Chemistry</i> , 1999, 71, 2468-2474.	3.2	89
7	Evaluation of surface- and ground-water pollution due to herbicides in agricultural areas of Zamora and Salamanca (Spain). <i>Journal of Chromatography A</i> , 2000, 869, 471-480.	1.8	79
8	Stationary phases for separation of nucleosides and nucleotides by hydrophilic interaction liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 47, 111-128.	5.8	77
9	Sensitive method for the determination of organophosphorus pesticides in fruits and surface waters by high-performance liquid chromatography with ultraviolet detection. <i>Journal of Chromatography A</i> , 1992, 607, 37-45.	1.8	73
10	Capillary electrophoresis coupled to mass spectrometry for the determination of anthelmintic benzimidazoles in eggs using a QuEChERS with preconcentration as sample treatment. <i>Journal of Chromatography A</i> , 2013, 1278, 166-174.	1.8	70
11	Use of a bisphenol-A imprinted polymer as a selective sorbent for the determination of phenols and phenoxyacids in honey by liquid chromatography with diode array and tandem mass spectrometric detection. <i>Analytica Chimica Acta</i> , 2009, 650, 195-201.	2.6	66
12	Analytical applications of membrane extraction in chromatography and electrophoresis. <i>Journal of Chromatography A</i> , 2000, 902, 195-204.	1.8	62
13	Determination of endocrine-disrupting compounds in cereals by pressurized liquid extraction and liquid chromatography–mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1137, 207-215.	1.8	61
14	Determination of triazine herbicides in natural waters by solid-phase extraction and non-aqueous capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 2000, 869, 451-461.	1.8	58
15	Analysis of pesticide residues in matrices with high lipid contents by membrane separation coupled on-line to a high-performance liquid chromatography system. <i>Journal of Chromatography A</i> , 2000, 869, 427-439.	1.8	54
16	Development and validation of a hydrophilic interaction chromatography–tandem mass spectrometry method with on-line polar extraction for the analysis of urinary nucleosides. Potential application in clinical diagnosis. <i>Journal of Chromatography A</i> , 2011, 1218, 9055-9063.	1.8	54
17	Analysis of Isoflavones in Foods. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2018, 17, 391-411.	5.9	50
18	Behaviour of carbamate pesticides in gas chromatography and their determination with solid-phase extraction and solid-phase microextraction as preconcentration steps. <i>Journal of Separation Science</i> , 2005, 28, 2130-2138.	1.3	49

#	ARTICLE	IF	CITATIONS
19	Determination of triazine herbicides in water by micellar electrokinetic capillary chromatography. <i>Journal of Chromatography A</i> , 1996, 733, 349-360.	1.8	48
20	Determination of herbicides, including thermally labile phenylureas, by solid-phase microextraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2003, 1002, 1-12.	1.8	48
21	Membrane extraction-preconcentration cell coupled on-line to flow-injection and liquid chromatographic systems. Determination of triazines in oils. <i>Analytica Chimica Acta</i> , 1995, 304, 323-332.	2.6	46
22	Sensitive determination of herbicides in food samples by nonaqueous CE using pressurized liquid extraction. <i>Electrophoresis</i> , 2007, 28, 3606-3616.	1.3	46
23	Solid-phase extraction and sample stacking-micellar electrokinetic capillary chromatography for the determination of multiresidues of herbicides and metabolites. <i>Journal of Chromatography A</i> , 2003, 990, 291-302.	1.8	44
24	Capillary Zone Electrophoresis in Nonaqueous Solvents in the Presence of Ionic Additives. <i>Analytical Chemistry</i> , 1997, 69, 4437-4444.	3.2	42
25	Determination of the fungicides folpet, captan and captafol by cloud-point preconcentration and high-performance liquid chromatography with electrochemical detection. <i>Journal of Chromatography A</i> , 1996, 754, 85-96.	1.8	41
26	Determination of triazines and dealkylated and hydroxylated metabolites in river water using a propazine-imprinted polymer. <i>Journal of Chromatography A</i> , 2005, 1085, 199-206.	1.8	41
27	Behaviour of triazine herbicides and their hydroxylated and dealkylated metabolites on a propazine-imprinted polymer. <i>Analytica Chimica Acta</i> , 2006, 559, 186-194.	2.6	40
28	Comparison of a non-aqueous capillary electrophoresis method with high performance liquid chromatography for the determination of herbicides and metabolites in water samples. <i>Journal of Chromatography A</i> , 2006, 1122, 194-201.	1.8	39
29	Determination of weakly acidic endocrine-disrupting compounds by liquid chromatography-mass spectrometry with post-column base addition. <i>Journal of Chromatography A</i> , 2004, 1056, 131-138.	1.8	37
30	Determination of nucleosides and nucleotides in food samples by using liquid chromatography and capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 92, 12-31.	5.8	36
31	Trace metal atomic absorption spectrometric analysis utilizing sorbent extraction on polymeric-based supports and renewable reagents. <i>Analyst</i> , 1994, 119, 1459-1465.	1.7	35
32	Hydrophilic interaction chromatography coupled to tandem mass spectrometry in the presence of hydrophilic ion-pairing reagents for the separation of nucleosides and nucleotide mono-, di- and triphosphates. <i>Journal of Chromatography A</i> , 2015, 1414, 129-137.	1.8	34
33	Prediction of the behaviour of organic pollutants using cloudpoint extraction. <i>Journal of Chromatography A</i> , 2003, 1005, 23-34.	1.8	33
34	Development and characterisation of a molecularly imprinted polymer prepared by precipitation polymerisation for the determination of phenylurea herbicides. <i>Journal of Separation Science</i> , 2005, 28, 453-461.	1.3	31
35	Automated high-performance liquid chromatographic method for the determination of organophosphorus pesticides in waters with dual electrochemical (reductive-oxidative) detection. <i>Journal of Chromatography A</i> , 1993, 644, 49-58.	1.8	29
36	Study of retention behaviour and mass spectrometry compatibility in zwitterionic hydrophilic interaction chromatography for the separation of modified nucleosides and nucleobases. <i>Journal of Chromatography A</i> , 2011, 1218, 3994-4001.	1.8	29

#	ARTICLE	IF	CITATIONS
37	Behavior of Phenols and Phenoxyacids on a Bisphenol-A Imprinted Polymer. Application for Selective Solid-Phase Extraction from Water and Urine Samples. <i>International Journal of Molecular Sciences</i> , 2011, 12, 3322-3339.	1.8	28
38	Analysis of free nucleotide monophosphates in human milk and effect of pasteurisation or high-pressure processing on their contents by capillary electrophoresis coupled to mass spectrometry. <i>Food Chemistry</i> , 2015, 174, 348-355.	4.2	28
39	In μ capillary microextraction using monolithic polymers: Application to preconcentration of carbamate pesticides prior to their separation by MEKC. <i>Electrophoresis</i> , 2009, 30, 1913-1922.	1.3	25
40	Capillary electrophoresis μ mass spectrometry for direct determination of urinary modified nucleosides. Evaluation of synthetic urine as a surrogate matrix for quantitative analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 942-943, 21-30.	1.2	24
41	Determination of endocrine disruptors in honey by CZE μ MS using restricted access materials for matrix cleanup. <i>Electrophoresis</i> , 2010, 31, 2279-2288.	1.3	23
42	In μ capillary preconcentration of pirimicarb and carbendazim with a monolithic polymeric sorbent prior to separation by CZE. <i>Electrophoresis</i> , 2008, 29, 4066-4077.	1.3	22
43	A confirmatory method for the determination of phenolic endocrine disruptors in honey using restricted-access material μ liquid chromatography μ tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1239-1247.	1.9	21
44	A fast and reliable method for the quantitative determination of benzimidazoles and metabolites in milk by LC-MS/MS with on-line sample treatment. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2909-2914.	1.9	21
45	Occurrence of phenols and phenoxyacid herbicides in environmental waters using an imprinted polymer as a selective sorbent. <i>Science of the Total Environment</i> , 2013, 454-455, 299-306.	3.9	21
46	Ultrasonic solvent extraction and nonaqueous CE for the determination of herbicide residues in potatoes. <i>Journal of Separation Science</i> , 2009, 32, 575-584.	1.3	20
47	Determination of nucleosides and nucleotides in baby foods by hydrophilic interaction chromatography coupled to tandem mass spectrometry in the presence of hydrophilic ion-pairing reagents. <i>Food Chemistry</i> , 2016, 211, 827-835.	4.2	20
48	Determination of triazines in surface waters by membrane separation coupled on-line to a flow-injection system and partial least squares regression. <i>Analytica Chimica Acta</i> , 1996, 321, 147-155.	2.6	19
49	A validated method for the determination of nucleotides in infant formulas by capillary electrophoresis coupled to mass spectrometry. <i>Electrophoresis</i> , 2014, 35, 1677-1684.	1.3	19
50	Comparative study of separation and determination of triazines by micellar electrokinetic capillary chromatography and nonaqueous capillary electrophoresis: Application to residue analysis in natural waters. <i>Electrophoresis</i> , 2002, 23, 494.	1.3	17
51	Development, validation and application of a fast analytical methodology for the simultaneous determination of DNA- and RNA-derived urinary nucleosides by liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1019, 132-139.	1.2	17
52	Adenosine monophosphate is elevated in the bronchoalveolar lavage fluid of mice with acute respiratory toxicity induced by nanoparticles with high surface hydrophobicity. <i>Nanotoxicology</i> , 2015, 9, 106-115.	1.6	16
53	Use of a polar-embedded stationary phase for the separation of tocopherols by CEC. <i>Electrophoresis</i> , 2006, 27, 4423-4430.	1.3	15
54	Development and validation of a method for the detection and confirmation of biomarkers of exposure in human urine by means of restricted access material-liquid chromatography μ tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 40-48.	1.8	15

#	ARTICLE	IF	CITATIONS
55	Programed nebulizing gas pressure mode for quantitative capillary electrophoresis mass spectrometry analysis of endocrine disruptors in honey. <i>Electrophoresis</i> , 2012, 33, 2374-2381.	1.3	14
56	Development of a procedure for the isolation and enrichment of modified nucleosides and nucleobases from urine prior to their determination by capillary electrophoresis mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014, 88, 489-496.	1.4	14
57	Capillary electrophoresis coupled to mass spectrometry employing hexafluoro-2-propanol for the determination of nucleosides and nucleotide mono-, di- and tri-phosphates in baby foods. <i>Food Chemistry</i> , 2017, 233, 38-44.	4.2	13
58	Electroanalytical study of the pesticide guthion. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 244, 221-233.	0.3	12
59	Rapid determination of nucleotides in infant formula by means of nano liquid chromatography. <i>Electrophoresis</i> , 2016, 37, 1873-1880.	1.3	12
60	Determination of acephate by liquid chromatography in the presence of aqueous soil extracts. <i>Journal of Chromatography A</i> , 1991, 585, 324-328.	1.8	11
61	Programmed Nebulizing Gas Pressure for Efficient and Stable Capillary Electrophoresis Mass Spectrometry Analysis of Anionic Compounds in Positive Separation Mode. <i>Analytical Chemistry</i> , 2011, 83, 2834-2839.	3.2	11
62	Development of a screening and confirmatory method for the analysis of polar endogenous compounds in saliva based on a liquid chromatographic-tandem mass spectrometric system. <i>Journal of Chromatography A</i> , 2019, 1590, 88-95.	1.8	11
63	Adsorption of parathion and paraoxon by modified montmorillonites. <i>Toxicological and Environmental Chemistry</i> , 1993, 37, 157-163.	0.6	9
64	Ion-pair association and acid-base equilibria in nonaqueous capillary electrophoresis of weakly basic compounds. <i>Electrophoresis</i> , 2006, 27, 423-432.	1.3	9
65	Automated sample treatment with the injection of large sample volumes for the determination of contaminants and metabolites in urine. <i>Journal of Separation Science</i> , 2010, 33, 2240-2249.	1.3	9
66	Development of a chemometric correlation technique to estimate acid-base descriptors for cationic acids in non-aqueous media. <i>Analytica Chimica Acta</i> , 2007, 584, 410-418.	2.6	7
67	Efficiency of a molecularly imprinted polymer for selective removal of phenols and phenoxyacids from contaminated waters. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 3079-3088.	1.8	7
68	Simple method for the determination of anthelmintic drugs in milk intended for human consumption using liquid chromatography-tandem mass spectrometry. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 322-329.	1.7	7
69	Maf/ham 1-like pyrophosphatases of non-canonical nucleotides are host-specific partners of viral RNA-dependent RNA polymerases. <i>PLoS Pathogens</i> , 2022, 18, e1010332.	2.1	7
70	Analytical and mechanistic aspects of the polarographic reduction of the herbicide pyrazon. <i>Electroanalysis</i> , 1990, 2, 389-395.	1.5	6
71	Extraction of pesticides by membrane separation. Transfer prediction by linear discriminant analysis and soft independent modelling of class analogy. <i>Journal of Separation Science</i> , 2001, 24, 577-586.	1.3	6
72	Design and development of a two-dimensional system based on hydrophilic and reversed-phase liquid chromatography with on-line sample treatment for the simultaneous separation of excreted xenobiotics and endogenous metabolites in urine. <i>Biomedical Chromatography</i> , 2015, 29, 1190-1196.	0.8	6

#	ARTICLE	IF	CITATIONS
73	Development of a fast and reliable methodology for the determination of polyamines in urine by using a guard column as a low-resolution fractioning step prior to mass spectrometry. Comparison with flow injection-mass spectrometry analysis. <i>Microchemical Journal</i> , 2020, 158, 105223.	2.3	6
74	Determination of leucine and isoleucine/allo-isoleucine by electrospray ionization-tandem mass spectrometry and partial least square regression: Application to saliva samples. <i>Talanta</i> , 2020, 216, 120811.	2.9	6
75	Spectrophotometric approaches to the determination of water in acetone by flow injection analysis. <i>Analyst</i> , The, 1991, 116, 1043-1049.	1.7	5
76	Rapid and reliable analysis of underivatized amino acids in urine using tandem mass spectrometry. <i>Microchemical Journal</i> , 2022, 172, 106914.	2.3	5
77	Electroreduction of the fungicides Folpet, Captan and Captafol on mercury electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1998, 456, 193-202.	1.9	4
78	Evaluation of the selectivity of molecularly imprinted polymer cartridges for nitroimidazoles. Application to the simultaneous extraction of nitroimidazoles and benzimidazoles from samples of animal origin. <i>Microchemical Journal</i> , 2022, 172, 107000.	2.3	4
79	Determination of parathion in the presence of paraoxon and p -nitrophenol by flow-injection analysis with amperometric detection. <i>Analytica Chimica Acta</i> , 1990, 228, 317-321.	2.6	2
80	Anthelmintic Benzimidazoles in Eggs. , 2017, , 465-474.		2
81	LC-HRMS based on mixed-mode chromatography for the separation of teicoplanin and the unravelment of its composition. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113308.	1.4	2
82	Determination of the pesticide guthion by flow-injection analysis with amperometric detection. <i>Electroanalysis</i> , 1990, 2, 487-491.	1.5	1
83	Evaluation of the Electrostatic Contribution to the Retention of Modified Nucleosides and Nucleobases by Zwitterionic Hydrophilic Interaction Chromatography. , 2012, 2012, 1-5.		1
84	Hydrophilic Interaction Chromatography: Current Trends and Applications. , 2018, , 100-100.		0