

Natalia A Arroyo-Manzanares

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81
papers

1,498
citations

22
h-index

35
g-index

83
ext. papers

1,875
ext. citations

5.2
avg, IF

5.22
L-index

#	Paper	IF	Citations
81	Multiclass mycotoxin analysis in <i>Silybum marianum</i> by ultra high performance liquid chromatography-tandem mass spectrometry using a procedure based on QuEChERS and dispersive liquid-liquid microextraction. <i>Journal of Chromatography A</i> , 2013 , 1282, 11-9	4.5	96
80	Target vs spectral fingerprint data analysis of Iberian ham samples for avoiding labelling fraud using headspace - gas chromatography-ion mobility spectrometry. <i>Food Chemistry</i> , 2018 , 246, 65-73	8.5	89
79	A new approach in sample treatment combined with UHPLC-MS/MS for the determination of multiclass mycotoxins in edible nuts and seeds. <i>Talanta</i> , 2013 , 115, 61-7	6.2	85
78	Alternative sample treatments for the determination of sulfonamides in milk by HPLC with fluorescence detection. <i>Food Chemistry</i> , 2014 , 143, 459-64	8.5	68
77	Determination of ochratoxin A in wines by capillary liquid chromatography with laser induced fluorescence detection using dispersive liquid-liquid microextraction. <i>Food Chemistry</i> , 2012 , 135, 368-72	8.5	68
76	Transcriptome Analysis of <i>Aspergillus flavus</i> Reveals veA-Dependent Regulation of Secondary Metabolite Gene Clusters, Including the Novel Aflavarin Cluster. <i>Eukaryotic Cell</i> , 2015 , 14, 983-97		54
75	An overview of microplastics characterization by thermal analysis. <i>Chemosphere</i> , 2020 , 242, 125170	8.4	52
74	Simple methodology for the determination of mycotoxins in pseudocereals, spelt and rice. <i>Food Control</i> , 2014 , 36, 94-101	6.2	47
73	A robustness study of calibration models for olive oil classification: Targeted and non-targeted fingerprint approaches based on GC-IMS. <i>Food Chemistry</i> , 2019 , 288, 315-324	8.5	42
72	Method optimization and validation for the determination of eight sulfonamides in chicken muscle and eggs by modified QuEChERS and liquid chromatography with fluorescence detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 124, 261-266	3.5	42
71	HS-GC-IMS and chemometric data treatment for food authenticity assessment: Olive oil mapping and classification through two different devices as an example. <i>Food Control</i> , 2019 , 98, 82-93	6.2	41
70	Untargeted headspace gas chromatography - Ion mobility spectrometry analysis for detection of adulterated honey. <i>Talanta</i> , 2019 , 205, 120123	6.2	39
69	Simple and efficient methodology to determine mycotoxins in cereal syrups. <i>Food Chemistry</i> , 2015 , 177, 274-9	8.5	35
68	Use of a non-destructive sampling method for characterization of Iberian cured ham breed and feeding regime using GC-IMS. <i>Meat Science</i> , 2019 , 152, 146-154	6.4	32
67	Unravelling the Diversity of the Cyclopiazonic Acid Family of Mycotoxins in <i>Aspergillus flavus</i> by UHPLC Triple-TOF HRMS. <i>Toxins</i> , 2017 , 9,	4.9	30
66	Comparison of different sample treatments for the analysis of ochratoxin A in wine by capillary HPLC with laser-induced fluorescence detection. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 2987-94	4.4	30
65	Destruxin A production by <i>Metarhizium brunneum</i> strains during transient endophytic colonisation of <i>Solanum tuberosum</i> . <i>Biocontrol Science and Technology</i> , 2016 , 26, 1574-1585	1.7	30

64	Simple determination of aflatoxins in rice by ultra-high performance liquid chromatography coupled to chemical post-column derivatization and fluorescence detection. <i>Food Chemistry</i> , 2018 , 245, 189-195	8.5	28
63	On-line preconcentration for the determination of aflatoxins in rice samples by micellar electrokinetic capillary chromatography with laser-induced fluorescence detection. <i>Electrophoresis</i> , 2010 , 31, 2180-5	3.6	26
62	Solid phase extraction as sample treatment for the determination of Ochratoxin A in foods: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2017 , 57, 3405-3420	11.5	25
61	In-house validation of a rapid and efficient procedure for simultaneous determination of ergot alkaloids and other mycotoxins in wheat and maize. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 5567-5581	4.4	25
60	Occurrence of Mycotoxins in Swine Feeding from Spain. <i>Toxins</i> , 2019 , 11,	4.9	23
59	Multi-Mycotoxin Occurrence and Exposure Assessment Approach in Foodstuffs from Algeria. <i>Toxins</i> , 2020 , 12,	4.9	21
58	Identification of novel metabolites from <i>Aspergillus flavus</i> by high resolution and multiple stage mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 111-20	3.2	21
57	<i>Aspergillus flavus</i> aswA, a gene homolog of <i>Aspergillus nidulans</i> oefC, regulates sclerotial development and biosynthesis of sclerotium-associated secondary metabolites. <i>Fungal Genetics and Biology</i> , 2017 , 104, 29-37	3.9	19
56	Aflatoxins in animal feeds: A straightforward and cost-effective analytical method. <i>Food Control</i> , 2015 , 54, 74-78	6.2	19
55	Holistic approach based on high resolution and multiple stage mass spectrometry to investigate ergot alkaloids in cereals. <i>Talanta</i> , 2014 , 118, 359-67	6.2	19
54	Determination of sulfonamides in serum by on-line solid-phase extraction coupled to liquid chromatography with photoinduced fluorescence detection. <i>Talanta</i> , 2015 , 138, 258-262	6.2	18
53	High-throughput determination of citrinin in rice by ultra-high-performance liquid chromatography and fluorescence detection (UHPLC-FL). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 1352-7	3.2	17
52	Secondary Metabolite Dereplication and Phylogenetic Analysis Identify Various Emerging Mycotoxins and Reveal the High Intra-Species Diversity in. <i>Frontiers in Microbiology</i> , 2019 , 10, 667	5.7	16
51	Bioaccumulation of Polycyclic Aromatic Hydrocarbons for Forensic Assessment Using Gas Chromatography-Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1680-1688	4	16
50	<i>Aspergillus</i> section Flavi and aflatoxins in dried figs and nuts in Algeria. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2018 , 11, 119-125	3.3	15
49	High-Performance Liquid Chromatography Method for the Monitoring of the Allium Derivative Propyl Propane Thiosulfonate Used as Natural Additive in Animal Feed. <i>Food Analytical Methods</i> , 2015 , 8, 916-921	3.4	15
48	Mycotoxin Analysis: New Proposals for Sample Treatment. <i>Advances in Chemistry</i> , 2014 , 2014, 1-12		15
47	Aphids transform and detoxify the mycotoxin deoxynivalenol via a type II biotransformation mechanism yet unknown in animals. <i>Scientific Reports</i> , 2016 , 6, 38640	4.9	15

46	Development of a QuEChERS-based extraction method for the determination of destruxins in potato plants by UHPLC-MS/MS. <i>Talanta</i> , 2016 , 146, 815-22	6.2	14
45	Use of UHPLC high-resolution Orbitrap mass spectrometry to investigate the genes involved in the production of secondary metabolites in <i>Aspergillus flavus</i> . <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 1656-73	3.2	13
44	A high-throughput method for the determination of quinolones in different matrices by ultra-high performance liquid chromatography with fluorescence detection. <i>Analytical Methods</i> , 2015 , 7, 253-259	3.2	13
43	Determination of Aflatoxins in Plant-based Milk and Dairy Products by Dispersive Liquid-Liquid Microextraction and High-performance Liquid Chromatography with Fluorescence Detection. <i>Analytical Letters</i> , 2019 , 52, 363-372	2.2	13
42	Determination of Fusarium toxins in functional vegetable milks applying salting-out-assisted liquid-liquid extraction combined with ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017 , 34, 2033-2041	3.2	13
41	Use of Onion Extract as a Dairy Cattle Feed Supplement: Monitoring Propyl Propane Thiosulfonate as a Marker of Its Effect on Milk Attributes. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 793-799 ^{5.7}	5.7	12
40	Analytical strategy for determination of known and unknown destruxins using hybrid quadrupole-Orbitrap high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 3347-3357	4.4	10
39	A rapid and simple UHPLC-ESI-MS/MS method for the screening of propyl propane thiosulfonate, a new additive for animal feed. <i>Analytical Methods</i> , 2016 , 8, 3730-3739	3.2	10
38	Dispersive Solid-Phase Extraction using Magnetic Carbon Nanotube Composite for the Determination of Emergent Mycotoxins in Urine Samples. <i>Toxins</i> , 2020 , 12,	4.9	9
37	Thermal desorption-ion mobility spectrometry: A rapid sensor for the detection of cannabinoids and discrimination of <i>Cannabis sativa</i> L. chemotypes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 273, 1413-1424 ^{8.5}	8.5	9
36	Determination of Cyanotoxins and Phycotoxins in Seawater and Algae-Based Food Supplements Using Ionic Liquids and Liquid Chromatography with Time-Of-Flight Mass Spectrometry. <i>Toxins</i> , 2019 , 11,	4.9	9
35	Headspace Gas Chromatography Coupled to Mass Spectrometry and Ion Mobility Spectrometry: Classification of Virgin Olive Oils as a Study Case. <i>Foods</i> , 2020 , 9,	4.9	9
34	High-resolution mass spectrometry for the determination of mycotoxins in biological samples. A review. <i>Microchemical Journal</i> , 2021 , 166, 106197	4.8	9
33	Use of whole electrophoretic profile and chemometric tools for the differentiation of three olive oil qualities. <i>Talanta</i> , 2019 , 197, 175-180	6.2	9
32	Effects of different vehiculization strategies for the allium derivative propyl propane thiosulfonate during dynamic simulation of the pig gastrointestinal tract. <i>Canadian Journal of Animal Science</i> , 2019 , 99, 244-253	0.9	8
31	Dual stir bar sorptive extraction coupled to thermal desorption-gas chromatography-mass spectrometry for the determination of endocrine disruptors in human tissues. <i>Talanta</i> , 2020 , 207, 120331 ^{6.2}	6.2	8
30	Determination of amphenicol antibiotics and their glucuronide metabolites in urine samples using liquid chromatography with quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2020 , 1146, 122122	3.2	7
29	Targeted and untargeted gas chromatography-mass spectrometry analysis of honey samples for determination of migrants from plastic packages. <i>Food Chemistry</i> , 2021 , 334, 127547	8.5	7

28	Plant-based milks: unexplored source of emerging mycotoxins. A proposal for the control of enniatins and beauvericin using UHPLC-MS/MS. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2019 , 12, 296-302	3.3	6
27	Innovative coupling of supercritical fluid extraction with ion mobility spectrometry. <i>Talanta</i> , 2018 , 188, 637-643	6.2	6
26	An integrated targeted and untargeted approach for the analysis of ergot alkaloids in cereals using UHPLC Hybrid quadrupole time-of-flight mass spectrometry. <i>World Mycotoxin Journal</i> , 2015 , 8, 653-666	2.5	6
25	Assessing the level of airborne polystyrene microplastics using thermogravimetry-mass spectrometry: Results for an agricultural area. <i>Science of the Total Environment</i> , 2021 , 787, 147656	10.2	6
24	Head-space gas chromatography coupled to mass spectrometry for the assessment of the contamination of mayonnaise by yeasts. <i>Food Chemistry</i> , 2019 , 289, 461-467	8.5	5
23	Production of destruxins by <i>Metarhizium</i> strains under different stress conditions and their detection by using UHPLC-MS/MS. <i>Biocontrol Science and Technology</i> , 2016 , 26, 1298-1311	1.7	5
22	Effect of Allium Extract Supplementation on Egg Quality, Productivity, and Intestinal Microbiota of Laying Hens. <i>Animals</i> , 2020 , 11,	3.1	5
21	Quality authentication of virgin olive oils using orthogonal techniques and chemometrics based on individual and high-level data fusion information. <i>Talanta</i> , 2020 , 219, 121260	6.2	4
20	Exploration of the potential of different analytical techniques to authenticate organic vs. conventional olives and olive oils from two varieties using untargeted fingerprinting approaches. <i>Food Control</i> , 2021 , 124, 107828	6.2	4
19	A rapid dispersive liquid-liquid microextraction of antimicrobial onion organosulfur compounds in animal feed coupled to gas chromatography-mass spectrometry. <i>Analytical Methods</i> , 2020 , 12, 2668-2673 ²	3.2	3
18	Review of Sample Treatments and the State-of-the-art of Analytical Techniques for Mycotoxins in Food 2017 , 51-102		3
17	Ergot Alkaloids: Chemistry, Biosynthesis, Bioactivity, and Methods of Analysis 2016 , 1-43		3
16	Ion mobility spectrometry and mass spectrometry coupled to gas chromatography for analysis of microbial contaminated cosmetic creams. <i>Analytica Chimica Acta</i> , 2020 , 1128, 52-61	6.6	3
15	Determination of principal ergot alkaloids in swine feeding. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 5214-5224	4.3	3
14	Cellulose-ferrite nanocomposite for monitoring enniatins and beauvericins in paprika by liquid chromatography and high-resolution mass spectrometry. <i>Talanta</i> , 2021 , 226, 122144	6.2	3
13	Toward Nitrite-Free Curing: Evaluation of a New Approach to Distinguish Real Uncured Meat from Cured Meat Made with Nitrite. <i>Foods</i> , 2021 , 10,	4.9	3
12	Non-targeted analysis by DLLME-GC-MS for the monitoring of pollutants in the Mar Menor lagoon. <i>Chemosphere</i> , 2022 , 286, 131588	8.4	3
11	CE method for analyzing <i>Salmonella typhimurium</i> in water samples. <i>Journal of Separation Science</i> , 2018 , 41, 534-539	3.4	2

10	Authentication of recycled plastic content in water bottles using volatile fingerprint and chemometrics.. <i>Chemosphere</i> , 2022 , 297, 134156	8.4	2
9	Ultrasound Assisted Extraction Approach to Test the Effect of Elastic Rubber Nettings on the N-Nitrosamines Content of Ham Meat Samples. <i>Foods</i> , 2021 , 10,	4.9	1
8	Occurrence of Ergot Alkaloids in Barley and Wheat from Algeria. <i>Toxins</i> , 2021 , 13,	4.9	1
7	Portable Raman Spectrometer as a Screening Tool for Characterization of Iberian Dry-Cured Ham. <i>Foods</i> , 2021 , 10,	4.9	1
6	Hydrophilic interaction liquid chromatography coupled to quadrupole-time-of-flight mass spectrometry for determination of nuclear and cytoplasmatic contents of nucleotides, nucleosides and their nucleobases in food yeasts. <i>Talanta Open</i> , 2021 , 4, 100064	5.6	1
5	Ion mobility spectrometry as an emerging tool for characterization of the volatile profile and identification of microbial growth in pomegranate juice. <i>Microchemical Journal</i> , 2022 , 174, 107099	4.8	0
4	Nucleobases, Nucleosides and Nucleotides Determination in Yeasts Isolated from Extreme Environments. <i>Chromatographia</i> , 2022 , 85, 353-363	2.1	0
3	Metabolomic study of capsaicinoid compounds in urine samples by dispersive liquid-liquid microextraction and ultra-high performance liquid chromatography with quadrupole time-of-flight mass spectrometry. <i>Microchemical Journal</i> , 2022 , 178, 107373	4.8	0
2	Ergot Alkaloids: Chemistry, Biosynthesis, Bioactivity, and Methods of Analysis 2017 , 887-929		
1	Instrumental Techniques to Classify Olive Oils according to Their Quality. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-22	5.2	