

Antonia Garrido Frenich

List of Publications by Year in descending order

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292
papers

10,495
citations

31902

53
h-index

58464

82
g-index

298
all docs

298
docs citations

298
times ranked

8908
citing authors

#	ARTICLE	IF	CITATIONS
1	Polycyclic aromatic hydrocarbons in food and beverages. Analytical methods and trends. Journal of Chromatography A, 2010, 1217, 6303-6326.	1.8	250
2	Multi-residue determination of veterinary drugs in milk by ultra-high-pressure liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2008, 1205, 10-16.	1.8	239
3	Multi-mycotoxin analysis in eggs using a QuEChERS-based extraction procedure and ultra-high-pressure liquid chromatography coupled to triple quadrupole mass spectrometry. Journal of Chromatography A, 2011, 1218, 4349-4356.	1.8	222
4	Monitoring of pesticides in agricultural water and soil samples from Andalusia by liquid chromatography coupled to mass spectrometry. Analytica Chimica Acta, 2005, 538, 117-127.	2.6	171
5	Comprehensive qualitative and quantitative determination of pesticides and veterinary drugs in honey using liquid chromatography-Orbitrap high resolution mass spectrometry. Journal of Chromatography A, 2012, 1248, 130-138.	1.8	160
6	Multiresidue method for fast determination of pesticides in fruit juices by ultra performance liquid chromatography coupled to tandem mass spectrometry. Talanta, 2008, 76, 211-225.	2.9	150
7	Determination of pesticide transformation products: A review of extraction and detection methods. Journal of Chromatography A, 2009, 1216, 6767-6788.	1.8	149
8	Simultaneous determination of pesticides, biopesticides and mycotoxins in organic products applying a quick, easy, cheap, effective, rugged and safe extraction procedure and ultra-high performance liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2011, 1218, 1477-1485.	1.8	148
9	Development and validation of an ultra-high performance liquid chromatography-tandem mass-spectrometry (UHPLC-MS/MS) method for the simultaneous determination of neurotransmitters in rat brain samples. Journal of Neuroscience Methods, 2011, 198, 187-194.	1.3	144
10	Determination of Ascorbic Acid and Carotenoids in Food Commodities by Liquid Chromatography with Mass Spectrometry Detection. Journal of Agricultural and Food Chemistry, 2005, 53, 7371-7376.	2.4	140
11	Simple and high-throughput method for the multimycotoxin analysis in cereals and related foods by ultra-high performance liquid chromatography/tandem mass spectrometry. Food Chemistry, 2009, 117, 705-712.	4.2	139
12	Comparison of several extraction techniques for multiclass analysis of veterinary drugs in eggs using ultra-high pressure liquid chromatography-tandem mass spectrometry. Analytica Chimica Acta, 2010, 661, 150-160.	2.6	138
13	Application of a quick, easy, cheap, effective, rugged and safe-based method for the simultaneous extraction of chlorophenols, alkylphenols, nitrophenols and cresols in agricultural soils, analyzed by using gas chromatography-triple quadrupole-mass spectrometry/mass spectrometry. Journal of Chromatography A, 2010, 1217, 5724-5731.	1.8	127
14	Wavelength selection method for multicomponent spectrophotometric determinations using partial least squares. Analyst, The, 1995, 120, 2787.	1.7	123
15	Potentiality of Gas Chromatography-Triple Quadrupole Mass Spectrometry in Vanguard and Rearguard Methods of Pesticide Residues in Vegetables. Analytical Chemistry, 2005, 77, 4640-4648.	3.2	120
16	Compensation for matrix effects in gas chromatography-tandem mass spectrometry using a single point standard addition. Journal of Chromatography A, 2009, 1216, 4798-4808.	1.8	117
17	Development and validation of a multiclass method for the determination of veterinary drug residues in chicken by ultra high performance liquid chromatography-tandem mass spectrometry. Talanta, 2012, 89, 201-208.	2.9	117
18	Simultaneous analysis of antibiotics in biological samples by ultra high performance liquid chromatography-tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2014, 89, 203-212.	1.4	115

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19	Multiclass Analysis of Antibiotic Residues in Honey by Ultrapformance Liquid Chromatographyâ€”Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1760-1767.	2.4	111
20	Multiresidue determination of veterinary drugs in aquaculture fish samples by ultra high performance liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 895-896, 39-47.	1.2	111
21	Multi-class methodology to determine pesticides and mycotoxins in green tea and royal jelly supplements by liquid chromatography coupled to Orbitrap high resolution mass spectrometry. <i>Food Chemistry</i> , 2016, 197, 907-915.	4.2	111
22	Multiresidue analysis of organochlorine and organophosphorus pesticides in muscle of chicken, pork and lamb by gas chromatographyâ€”triple quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2006, 558, 42-52.	2.6	109
23	Determination of carbendazim, fuberidazole and thiabendazole by three-dimensional excitationâ€”emission matrix fluorescence and parallel factor analysis. <i>Analytica Chimica Acta</i> , 2003, 491, 47-56.	2.6	107
24	Evaluation of different sample treatments for determining pesticide residues in fat vegetable matrices like avocado by low-pressure gas chromatographyâ€”tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006, 1111, 97-105.	1.8	105
25	Comprehensive analysis of toxics (pesticides, veterinary drugs and mycotoxins) in food by UHPLC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 63, 158-169.	5.8	102
26	Comparison of the efficiency of different extraction methods for the simultaneous determination of mycotoxins and pesticides in milk samples by ultra high-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2863-2875.	1.9	99
27	Multiclass method for fast determination of veterinary drug residues in baby food by ultra-high-performance liquid chromatographyâ€”tandem mass spectrometry. <i>Food Chemistry</i> , 2012, 132, 2171-2180.	4.2	92
28	Analysis of phenolic compounds in olive oil by solid-phase extraction and ultra high performance liquid chromatographyâ€”tandem mass spectrometry. <i>Food Chemistry</i> , 2012, 134, 2465-2472.	4.2	91
29	Application of hollow fibre liquid phase microextraction for the multiresidue determination of pesticides in alcoholic beverages by ultra-high pressure liquid chromatography coupled to tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1208, 16-24.	1.8	90
30	Simultaneous analysis of chlorophenols, alkylphenols, nitrophenols and cresols in wastewater effluents, using solid phase extraction and further determination by gas chromatographyâ€”tandem mass spectrometry. <i>Talanta</i> , 2011, 85, 2397-2404.	2.9	87
31	High-throughput determination of pesticide residues in food commodities by use of ultra-performance liquid chromatographyâ€”tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 947-959.	1.9	83
32	Single solid phase extraction method for the simultaneous analysis of polar and non-polar pesticides in urine samples by gas chromatography and ultra high pressure liquid chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , 2011, 85, 183-196.	2.9	77
33	Application of Conventional Solid-Phase Extraction for Multimycotoxin Analysis in Beers by Ultrahigh-Performance Liquid Chromatographyâ€”Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 9385-9392.	2.4	76
34	Determination of organochlorine compounds in human biological samples by GC-MS/MS. <i>Biomedical Chromatography</i> , 2004, 18, 102-111.	0.8	75
35	A rapid method for the determination of mycotoxins in edible vegetable oils by ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2019, 288, 22-28.	4.2	75
36	Monitoring multi-class pesticide residues in fresh fruits and vegetables by liquid chromatography with tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1048, 199-206.	1.8	74

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37	Pesticide trace analysis using solid-phase extraction and gas chromatography with electron-capture and tandem mass spectrometric detection in water samples. <i>Journal of Chromatography A</i> , 2000, 867, 235-245.	1.8	73
38	Simultaneous determination of selected veterinary antibiotics in gilthead seabream (<i>Sparus Aurata</i>) by liquid chromatography–mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 857, 142-148.	1.2	73
39	Multi-mycotoxin determination in cereals and derived products marketed in Tunisia using ultra-high performance liquid chromatography coupled to triple quadrupole mass spectrometry. <i>Food and Chemical Toxicology</i> , 2012, 50, 2376-2381.	1.8	73
40	Multiresidue method for the analysis of more than 140 pesticide residues in fruits and vegetables by gas chromatography coupled to triple quadrupole mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 1235-1254.	0.7	72
41	Multiresidue analysis of pesticides in animal liver by gas chromatography using triple quadrupole tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1153, 194-202.	1.8	69
42	Development and validation of a multiresidue method for the analysis of 151 pesticide residues in strawberry by gas chromatography coupled to a triple quadrupole mass analyzer. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2282-2294.	0.7	68
43	Application of gas chromatography-triple quadrupole mass spectrometry in the quantification-confirmation of pesticides and polychlorinated biphenyls in eggs at trace levels. <i>Journal of Chromatography A</i> , 2007, 1167, 9-17.	1.8	66
44	Determination of multiclass pesticides in food commodities by pressurized liquid extraction using GC–MS/MS and LC–MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 383, 1106-1118.	1.9	65
45	Food contaminant analysis at high resolution mass spectrometry: Application for the determination of veterinary drugs in milk. <i>Journal of Chromatography A</i> , 2011, 1218, 9353-9365.	1.8	65
46	Validation of a gas chromatography/triple quadrupole mass spectrometry based method for the quantification of pesticides in food commodities. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 365-375.	0.7	64
47	Development of fast screening methods for the analysis of veterinary drug residues in milk by liquid chromatography-triple quadrupole mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 2777-2790.	1.9	64
48	Analysis of pesticide and veterinary drug residues in baby food by liquid chromatography coupled to Orbitrap high resolution mass spectrometry. <i>Talanta</i> , 2015, 131, 1-7.	2.9	62
49	Comprehensive analysis of polycyclic aromatic hydrocarbons in wastewater using stir bar sorptive extraction and gas chromatography coupled to tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2011, 693, 62-71.	2.6	61
50	Determination of pesticides and some metabolites in different kinds of milk by solid-phase microextraction and low-pressure gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2005, 382, 164-172.	1.9	58
51	Multifamily determination of pesticide residues in soya-based nutraceutical products by GC/MS–MS. <i>Food Chemistry</i> , 2015, 173, 796-807.	4.2	55
52	Simultaneous determination of atropine and scopolamine in buckwheat and related products using modified QuEChERS and liquid chromatography tandem mass spectrometry. <i>Food Chemistry</i> , 2017, 218, 173-180.	4.2	55
53	Simple LC–MS Determination of Citric and Malic Acids in Fruits and Vegetables. <i>Chromatographia</i> , 2010, 72, 55-62.	0.7	54
54	Ultrahigh-pressure liquid chromatography-mass spectrometry: An overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 170-181.	5.8	52

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55	Assessment of Metal Contamination in Doñana National Park (Spain) using Crayfish (<i>Procambarus</i>) Tj ETQq1 1 0.784314 rgBT /Over	1.3	51
56	Multiclass determination of phytochemicals in vegetables and fruits by ultra high performance liquid chromatography coupled to tandem mass spectrometry. <i>Food Chemistry</i> , 2013, 141, 1120-1129.	4.2	51
57	Monitoring of phytochemicals in fresh and fresh-cut vegetables: A comparison. <i>Food Chemistry</i> , 2014, 142, 392-399.	4.2	51
58	Fast analysis of polyphenols in royal jelly products using automated TurboFlow [®] -liquid chromatography [®] -Orbitrap high resolution mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 973, 17-28.	1.2	50
59	Determination of cypermethrin, fenvalerate and cis- and trans-permethrin in soil and groundwater by high-performance liquid chromatography using partial least-squares regression. <i>Journal of Chromatography A</i> , 1996, 727, 39-46.	1.8	49
60	Determination of endocrine-disrupting pesticides and polychlorinated biphenyls in human serum by GC [®] -ECD and GC [®] -MS [®] -MS and evaluation of contributions to the uncertainty of the results. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 372, 766-775.	1.9	49
61	Assessment of potential (inhalation and dermal) and actual exposure to acetamiprid by greenhouse applicators using liquid chromatography [®] -tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 804, 269-275.	1.2	48
62	Comparison of ultrasonic and pressurized liquid extraction for the analysis of polycyclic aromatic compounds in soil samples by gas chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , 2009, 78, 156-164.	2.9	48
63	QuEChERS [®] -based extraction procedure for multifamily analysis of phytohormones in vegetables by UHPLC [®] -MS/MS. <i>Journal of Separation Science</i> , 2011, 34, 1517-1524.	1.3	48
64	Determination of nitrofuran metabolites in seafood by ultra high performance liquid chromatography coupled to triple quadrupole tandem mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2013, 30, 86-93.	1.9	48
65	Analytical approaches for the determination of pesticide residues in nutraceutical products and related matrices by chromatographic techniques coupled to mass spectrometry. <i>Talanta</i> , 2014, 118, 277-291.	2.9	48
66	Wide-scope analysis of pesticide and veterinary drug residues in meat matrices by high resolution MS: detection and identification using Exactive-Orbitrap. <i>Journal of Mass Spectrometry</i> , 2014, 49, 27-36.	0.7	48
67	Application of internal quality control to the analysis of quaternary ammonium compounds in surface and groundwater from Andalusia (Spain) by liquid chromatography with mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1050, 179-184.	1.8	47
68	Application of hollow fiber supported liquid membrane extraction to the simultaneous determination of pesticide residues in vegetables by liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2701-2708.	0.7	47
69	Comparison of tandem-in-space and tandem-in-time mass spectrometry in gas chromatography determination of pesticides: Application to simple and complex food samples. <i>Journal of Chromatography A</i> , 2008, 1203, 229-238.	1.8	45
70	Resolution of multicomponent peaks by orthogonal projection approach, positive matrix factorization and alternating least squares. <i>Analytica Chimica Acta</i> , 2000, 411, 145-155.	2.6	44
71	Determination of pesticides in water samples by solid phase extraction and gas chromatography tandem mass spectrometry. <i>Journal of Separation Science</i> , 2008, 31, 151-161.	1.3	44
72	Determination of ochratoxin A and T-2 toxin in alcoholic beverages by hollow fiber liquid phase microextraction and ultra high-pressure liquid chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , 2010, 82, 171-176.	2.9	44

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73	Rapid and Semiautomated Method for the Analysis of Veterinary Drug Residues in Honey Based on Turbulent-Flow Liquid Chromatography Coupled to Ultrahigh-Performance Liquid Chromatographyâ€“Orbitrap Mass Spectrometry (TFC-UHPLC-Orbitrap-MS). <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 829-839.	2.4	44
74	Wide-scope analysis of veterinary drug and pesticide residues in animal feed by liquid chromatography coupled to quadrupole-time-of-flight mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6543-6553.	1.9	43
75	Identification and quantification of the main isoflavones and other phytochemicals in soy based nutraceutical products by liquid chromatographyâ€“orbitrap high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1348, 125-136.	1.8	43
76	Determination of carbendazim, thiabendazole and fuberidazole using a net analyte signal-based method. <i>Talanta</i> , 2003, 59, 1107-1116.	2.9	42
77	Application of Gas Chromatography Coupled to Triple Quadrupole Mass Spectrometry for the Multiresidue Analysis of Pesticides in Olive Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 8346-8352.	2.4	42
78	Rapid and sensitive on-line solid phase extraction-ultra high performance liquid chromatographyâ€“electrospray-tandem mass spectrometry analysis of pesticides in surface waters. <i>Journal of Chromatography A</i> , 2013, 1305, 193-202.	1.8	42
79	Semiautomated determination of neonicotinoids and characteristic metabolite in urine samples using TurboFlowâ„¢ coupled to ultra high performance liquid chromatography coupled to Orbitrap analyzer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 378-386.	1.4	42
80	Analytical methods, occurrence and trends of tropane alkaloids and calystegines: An update. <i>Journal of Chromatography A</i> , 2018, 1564, 1-15.	1.8	42
81	Mass spectrometry approaches to ensure food safety. <i>Analytical Methods</i> , 2020, 12, 1148-1162.	1.3	42
82	Correction function on biased results due to matrix effects. <i>Analytica Chimica Acta</i> , 2003, 478, 281-301.	2.6	41
83	Application of QuEChERS based method for the determination of pesticides in nutraceutical products (<i>Camellia sinensis</i>) by liquid chromatography coupled to triple quadrupole tandem mass spectrometry. <i>Food Chemistry</i> , 2015, 177, 182-190.	4.2	41
84	Determination of toxic substances, pesticides and mycotoxins, in ginkgo biloba nutraceutical products by liquid chromatography Orbitrap-mass spectrometry. <i>Microchemical Journal</i> , 2015, 118, 124-130.	2.3	41
85	Multi-pesticide residue analysis in nutraceuticals from grape seed extracts by gas chromatography coupled to triple quadrupole mass spectrometry. <i>Food Control</i> , 2015, 47, 369-380.	2.8	41
86	Analysis and study of the distribution of polar and non-polar pesticides in wastewater effluents from modern and conventional treatments. <i>Journal of Chromatography A</i> , 2010, 1217, 7817-7825.	1.8	40
87	Simultaneous and Fast Determination of Malachite Green, Leucomalachite Green, Crystal Violet, and Brilliant Green in Seafood by Ultrahigh Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2013, 6, 406-414.	1.3	40
88	Determination of steroid hormones and their metabolite in several types of meat samples by ultra high performance liquid chromatographyâ€“Orbitrap high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2018, 1540, 21-30.	1.8	40
89	Standardization of SPE signals in multicomponent analysis of three benzimidazolic pesticides by spectrofluorimetry. <i>Analytica Chimica Acta</i> , 2003, 477, 211-222.	2.6	39
90	Development and validation of a method for determining pesticides in groundwater from complex overlapped HPLC signals and multivariate curve resolution. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2005, 77, 251-260.	1.8	39

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91	Determination of Phenolic Compounds in Artichoke, Garlic and Spinach by Ultra-High-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2014, 7, 2095-2106.	1.3	39
92	Automated and semi-automated extraction methods for GC-MS determination of pesticides in environmental samples. <i>Trends in Environmental Analytical Chemistry</i> , 2016, 12, 1-12.	5.3	39
93	Optimization and Validation of a Multiresidue Pesticide Method in Rice and Wheat Flour by Modified QuEChERS and GC-MS/MS. <i>Food Analytical Methods</i> , 2016, 9, 548-563.	1.3	39
94	Characterization of recovery profiles using gas chromatography-triple quadrupole mass spectrometry for the determination of pesticide residues in meat samples. <i>Journal of Chromatography A</i> , 2006, 1133, 315-321.	1.8	38
95	Simultaneous Determination of Four Biogenic and Three Volatile Amines in Anchovy by Ultra-High-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5324-5329.	2.4	38
96	Identification and quantification of phytochemicals in nutraceutical products from green tea by UHPLC-Orbitrap-MS. <i>Food Chemistry</i> , 2015, 173, 607-618.	4.2	38
97	Resolution of imidacloprid pesticide and its metabolite 6-chloronicotinic acid using cross-sections of spectrochromatograms obtained by high-performance liquid chromatography with diode-array detection. <i>Journal of Chromatography A</i> , 1998, 799, 149-154.	1.8	37
98	Multi-analysis determination of tropane alkaloids in cereals and solanaceae seeds by liquid chromatography coupled to single stage Exactive-Orbitrap. <i>Journal of Chromatography A</i> , 2017, 1518, 46-58.	1.8	37
99	Determination of imidacloprid and its metabolite 6-chloronicotinic acid in greenhouse air by high-performance liquid chromatography with diode-array detection. <i>Journal of Chromatography A</i> , 2000, 869, 497-504.	1.8	36
100	Trace determination of carbendazim, fuberidazole and thiabendazole in water by application of multivariate calibration to cross-sections of three-dimensional excitation-emission matrix fluorescence. <i>Analyst</i> , 2000, 125, 1167-1174.	1.7	36
101	Analysis of veterinary drug residues in cheese by ultra-high-performance LC coupled to triple quadrupole MS/MS. <i>Journal of Separation Science</i> , 2013, 36, 1223-1230.	1.3	36
102	Systematic study of the contamination of wastewater treatment plant effluents by organic priority compounds in Almeria province (SE Spain). <i>Science of the Total Environment</i> , 2013, 447, 381-389.	3.9	36
103	LC-MS Determination of Sterols in Olive Oil. <i>Chromatographia</i> , 2007, 65, 695-699.	0.7	35
104	Use of Pressurized Liquid Extraction for the Simultaneous Analysis of 28 Polar and 94 Non-polar Pesticides in Agricultural Soils by GC/QqQ-MS/MS and UPLC/QqQ-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1715-1731.	0.7	35
105	Analysis of veterinary drug and pesticide residues in animal feed by high-resolution mass spectrometry: comparison between time-of-flight and Orbitrap. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1637-1646.	1.1	35
106	Determination of aflatoxins B1, B2, G1, G2 and ochratoxin A in animal feed by ultra high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Separation Science</i> , 2010, 33, 502-508.	1.3	34
107	Quantitative determination of endocrine-disrupting polychlorinated biphenyls and organochlorinated pesticides in human serum using gas chromatography with electron-capture detection and tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2000, 35, 967-975.	0.7	33
108	Fast determination of herbicides in waters by ultra-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3585-3592.	0.7	33

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109	Determination of polycyclic aromatic hydrocarbons in olive oil by a completely automated headspace technique coupled to gas chromatography-mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2006, 41, 822-829.	0.7	32
110	Automated and simultaneous determination of priority substances and polychlorinated biphenyls in wastewater using headspace solid phase microextraction and high resolution mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1002, 39-49.	2.6	32
111	Application of internal quality control to the analysis of quaternary ammonium compounds in surface and groundwater from Andalusia (Spain) by liquid chromatography with mass spectrometry. <i>Journal of Chromatography A</i> , 2004, 1050, 179-184.	1.8	31
112	Analysis of triphenylmethane dyes in seafood products: a review of extraction methods and determination by liquid chromatography coupled to mass spectrometry. <i>Analytical Methods</i> , 2013, 5, 3434.	1.3	31
113	Simultaneous analysis of tropane alkaloids in teas and herbal teas by liquid chromatography coupled to high-resolution mass spectrometry (Orbitrap). <i>Journal of Separation Science</i> , 2018, 41, 1938-1946.	1.3	31
114	Determination of free and bound phenolic compounds and their antioxidant activity in buckwheat bread loaf, crust and crumb. <i>LWT - Food Science and Technology</i> , 2018, 87, 217-224.	2.5	31
115	Multicomponent determination of atrazine, diuron and chlorpyrifos in groundwaters and soils by spectrophotometry using multivariate calibration. <i>Analyst</i> , 1994, 119, 1189.	1.7	30
116	Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares. <i>Analytica Chimica Acta</i> , 2001, 449, 143-155.	2.6	30
117	Trace determination of α - and β -endosulfan and three metabolites in human serum by gas chromatography electron capture detection and gas chromatography tandem mass spectrometry. , 2000, 14, 939-946.		29
118	Identification of transformation products of pesticides and veterinary drugs in food and related matrices: Use of retrospective analysis. <i>Journal of Chromatography A</i> , 2015, 1389, 133-138.	1.8	29
119	Multi-class determination of pesticides and mycotoxins in isoflavones supplements obtained from soy by liquid chromatography coupled to Orbitrap high resolution mass spectrometry. <i>Food Control</i> , 2016, 59, 218-224.	2.8	29
120	Metabolomics approaches for the determination of multiple contaminants in food. <i>Current Opinion in Food Science</i> , 2019, 28, 49-57.	4.1	29
121	Effect of tea making and boiling processes on the degradation of tropane alkaloids in tea and pasta samples contaminated with Solanaceae seeds and coca leaf. <i>Food Chemistry</i> , 2019, 287, 265-272.	4.2	29
122	Evaluation of multiwavelength chromatograms for the quantification of mixtures of pesticides by high-performance liquid chromatography-diode array detection with multivariate calibration. <i>Journal of Chromatography A</i> , 1997, 778, 139-149.	1.8	28
123	Application of several modified peak purity assays to real complex multicomponent mixtures by high-performance liquid chromatography with diode-array detection. <i>Journal of Chromatography A</i> , 1999, 855, 487-499.	1.8	28
124	Assessment of relevant factors and relationships concerning human dermal exposure to pesticides in greenhouse applications. <i>Pest Management Science</i> , 2002, 58, 784-790.	1.7	28
125	Determination of Organophosphorus Pesticides in Vegetables by GC with Pulsed Flame-Photometric Detection, and Confirmation by MS. <i>Chromatographia</i> , 2006, 64, 667-672.	0.7	28
126	Comparison of solid phase microextraction and hollow fiber liquid phase microextraction for the determination of pesticides in aqueous samples by gas chromatography triple quadrupole tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2043-2059.	1.9	28

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127	Fast determination of four polar contaminants in soy nutraceutical products by liquid chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 8089-8098.	1.9	28
128	Quality control evaluation of nutraceutical products from Ginkgo biloba using liquid chromatography coupled to high resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 121, 151-160.	1.4	28
129	Trace determination of organotin compounds in water, sediment and mussel samples by low-pressure gas chromatography coupled to tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2099-2106.	0.7	27
130	Screening method for pesticides in air by gas chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 537-543.	0.7	27
131	Selection of a Representative Matrix for Calibration in Multianalyte Determination of Pesticides in Vegetables by Liquid Chromatography-Electrospray Tandem Mass Spectrometry. <i>Chromatographia</i> , 2005, 61, 127-131.	0.7	27
132	A new strategy based on gas chromatography–high resolution mass spectrometry (GC–HRMS-Q-Orbitrap) for the determination of alkenylbenzenes in pepper and its varieties. <i>Food Chemistry</i> , 2020, 321, 126727.	4.2	27
133	Application of an innovative metabolomics approach to discriminate geographical origin and processing of black pepper by untargeted UHPLC-Q-Orbitrap-HRMS analysis and mid-level data fusion. <i>Food Research International</i> , 2021, 150, 110722.	2.9	27
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