Antonia Garrido Frenich

List of Publications by Citations

291 papers	8,540 citations	48 h-index	75 g-index
298 ext. papers	9,443 ext. citations	4.6 avg, IF	6.37 L-index

#	Paper	IF	Citations
291	Polycyclic aromatic hydrocarbons in food and beverages. Analytical methods and trends. *Journal of Chromatography A*, **2010**, 1217, 6303-26	4.5	211
290	Multi-residue determination of veterinary drugs in milk by ultra-high-pressure liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2008**, 1205, 10-6	4.5	208
289	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, 4349-56	4.5	192
288	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, 130-8	4.5	149
287	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	6.6	141
286	Multiresidue method for fast determination of pesticides in fruit juices by ultra performance liquid chromatography coupled to tandem mass spectrometry. *Talanta*, **2008**, 76, 211-25	6.2	140
285	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, 1477-85	4.5	133
284	Determination of pesticide transformation products: a review of extraction and detection methods. *Journal of Chromatography A*, **2009**, 1216, 6767-88	4.5	129
283	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, 187-94	3	124
282	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	8.5	120
281	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, 150-60	6.6	118
280	Determination of ascorbic acid and carotenoids in food commodities by liquid chromatography with mass spectrometry detection. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 7371-6	5.7	109
279	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, 5721-31	4.5	108
278	Potentiality of gas chromatography-triple quadrupole mass spectrometry in vanguard and rearguard methods of pesticide residues in vegetables. *Analytical Chemistry*, **2005**, 77, 4640-8	7.8	107
277	Wavelength selection method for multicomponent spectrophotometric determinations using partial least squares. *Analyst, The*, **1995**, 120, 2787	5	107
276	Compensation for matrix effects in gas chromatography-tandem mass spectrometry using a single point standard addition. *Journal of Chromatography A*, **2009**, 1216, 4798-808	4.5	97
275	Determination of carbendazim, fuberidazole and thiabendazole by three-dimensional excitation–emission matrix fluorescence and parallel factor analysis. *Analytica Chimica Acta*, **2003**, 491, 47-56	6.6	97

274	Multiclass analysis of antibiotic residues in honey by ultraperformance liquid chromatography-tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 1760-7	5.7	96
273	Multiresidue analysis of organochlorine and organophosphorus pesticides in muscle of chicken, pork and lamb by gas chromatography–triple quadrupole mass spectrometry. *Analytica Chimica Acta*, **2006**, 558, 42-52	6.6	95
272	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, 201-8	6.2	93
271	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. *Food Chemistry*, **2016**, 197, 907-15	8.5	92
270	Multiresidue determination of veterinary drugs in aquaculture fish samples by ultra high performance liquid chromatography coupled to tandem mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2012**, 895-896, 39-47	3.2	91
269	Evaluation of different sample treatments for determining pesticide residues in fat vegetable matrices like avocado by low-pressure gas chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2006**, 1111, 97-105	4.5	91
268	Simultaneous analysis of antibiotics in biological samples by ultra high performance liquid chromatography-tandem mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 89, 203-12	3.5	90
267	Comprehensive analysis of toxics (pesticides, veterinary drugs and mycotoxins) in food by UHPLC-MS. *TrAC - Trends in Analytical Chemistry*, **2014**, 63, 158-169	14.6	89
266	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. *Journal of Chromatography A*, **2008**, 1208, 16-24	4.5	83
265	Analysis of phenolic compounds in olive oil by solid-phase extraction and ultra high performance liquid chromatography-tandem mass spectrometry. *Food Chemistry*, **2012**, 134, 2465-72	8.5	81
264	Multiclass method for fast determination of veterinary drug residues in baby food by ultra-high-performance liquid chromatography–tandem mass spectrometry. *Food Chemistry*, **2012**, 132, 2171-2180	8.5	80
263	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. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 2863-75	4.4	80
262	High-throughput determination of pesticide residues in food commodities by use of ultra-performance liquid chromatography-tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2008**, 390, 947-59	4.4	75
261	Simultaneous analysis of chlorophenols, alkylphenols, nitrophenols and cresols in wastewater effluents, using solid phase extraction and further determination by gas chromatography-tandem mass spectrometry. *Talanta*, **2011**, 85, 2397-404	6.2	73
260	Simultaneous determination of selected veterinary antibiotics in gilthead seabream (Sparus Aurata) by liquid chromatography-mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2007**, 857, 142-8	3.2	70
259	Pesticide trace analysis using solid-phase extraction and gas chromatography with electron-capture and tandem mass spectrometric detection in water samples. *Journal of Chromatography A*, **2000**, 867, 235-45	4.5	70
258	Application of conventional solid-phase extraction for multimycotoxin analysis in beers by ultrahigh-performance liquid chromatography-tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 9385-92	5.7	67
257	Determination of organochlorine compounds in human biological samples by GC-MS/MS. *Biomedical Chromatography*, **2004**, 18, 102-11	1.7	66

256	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. *Talanta*, **2011**, 85, 183-96	6.2	64
255	Multiresidue method for the analysis of more than 140 pesticide residues in fruits and vegetables by gas chromatography coupled to triple quadrupole mass spectrometry. *Journal of Mass Spectrometry*, **2008**, 43, 1235-54	2.2	64
254	Application of gas chromatography-triple quadrupole mass spectrometry in the quantification-confirmation of pesticides and polychlorinated biphenyls in eggs at trace levels. *Journal of Chromatography A*, **2007**, 1167, 9-17	4.5	62
253	Multi-mycotoxin determination in cereals and derived products marketed in Tunisia using ultra-high performance liquid chromatography coupled to triple quadrupole mass spectrometry. *Food and Chemical Toxicology*, **2012**, 50, 2376-81	4.7	61
252	Multiresidue analysis of pesticides in animal liver by gas chromatography using triple quadrupole tandem mass spectrometry. *Journal of Chromatography A*, **2007**, 1153, 194-202	4.5	60
251	Monitoring multi-class pesticide residues in fresh fruits and vegetables by liquid chromatography with tandem mass spectrometry. *Journal of Chromatography A*, **2004**, 1048, 199-206	4.5	60
250	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. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 2282-94	2.2	58
249	Determination of multiclass pesticides in food commodities by pressurized liquid extraction using GC-MS/MS and LC-MS/MS. *Analytical and Bioanalytical Chemistry*, **2005**, 383, 1106-18	4.4	58
248	Food contaminant analysis at high resolution mass spectrometry: application for the determination of veterinary drugs in milk. *Journal of Chromatography A*, **2011**, 1218, 9353-65	4.5	57
247	Comprehensive analysis of polycyclic aromatic hydrocarbons in wastewater using stir bar sorptive extraction and gas chromatography coupled to tandem mass spectrometry. *Analytica Chimica Acta*, **2011**, 693, 62-71	6.6	57
246	Development of fast screening methods for the analysis of veterinary drug residues in milk by liquid chromatography-triple quadrupole mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2010**, 397, 2777-90	4.4	57
245	Validation of a gas chromatography/triple quadrupole mass spectrometry based method for the quantification of pesticides in food commodities. *Rapid Communications in Mass Spectrometry*, **2006** , 20, 365-75	2.2	56
244	Multifamily determination of pesticide residues in soya-based nutraceutical products by GC/MS-MS. *Food Chemistry*, **2015**, 173, 796-807	8.5	48
243	Multiclass determination of phytochemicals in vegetables and fruits by ultra high performance liquid chromatography coupled to tandem mass spectrometry. *Food Chemistry*, **2013**, 141, 1120-9	8.5	48
242	Analysis of pesticide and veterinary drug residues in baby food by liquid chromatography coupled to Orbitrap high resolution mass spectrometry. *Talanta*, **2015**, 131, 1-7	6.2	47
241	Assessment of metal contamination in Doñana National Park (Spain) using crayfish (Procamburus clarkii). *Environmental Monitoring and Assessment*, **2004**, 93, 17-29	3.1	46
240	Determination of pesticides and some metabolites in different kinds of milk by solid-phase microextraction and low-pressure gas chromatography-tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 164-72	4.4	46
239	Analytical approaches for the determination of pesticide residues in nutraceutical products and related matrices by chromatographic techniques coupled to mass spectrometry. *Talanta*, **2014**, 118, 277-91	6.2	45

238	Wide-scope analysis of pesticide and veterinary drug residues in meat matrices by high resolution MS: detection and identification using Exactive-Orbitrap. *Journal of Mass Spectrometry*, **2014**, 49, 27-36	2.2	45
237	Determination of cypermethrin, fenvalerate and cis- and trans-permethrin in soil and groundwater by high-performance liquid chromatography using partial least-squares regression. *Journal of Chromatography A*, **1996**, 727, 39-46	4.5	45
236	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. *Talanta*, **2009**, 78, 156-64	6.2	43
235	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. *Journal of Chromatography A*, **2004**, 1050, 179-84	4.5	43
234	Simultaneous determination of atropine and scopolamine in buckwheat and related products using modified QuEChERS and liquid chromatography tandem mass spectrometry. *Food Chemistry*, **2017**, 218, 173-180	8.5	42
233	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. *Talanta*, **2010**, 82, 171-6	6.2	42
232	Comparison of tandem-in-space and tandem-in-time mass spectrometry in gas chromatography determination of pesticides: application to simple and complex food samples. *Journal of Chromatography A*, **2008**, 1203, 229-38	4.5	42
231	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. *Analytical and Bioanalytical Chemistry*, **2002**, 372, 766-75	4.4	41
230	Resolution of multicomponent peaks by orthogonal projection approach, positive matrix factorization and alternating least squares. *Analytica Chimica Acta*, **2000**, 411, 145-155	6.6	41
229	A rapid method for the determination of mycotoxins in edible vegetable oils by ultra-high performance liquid chromatography-tandem mass spectrometry. *Food Chemistry*, **2019**, 288, 22-28	8.5	40
228	Fast analysis of polyphenols in royal jelly products using automated TurboFlow™ liquid chromatography-Orbitrap high resolution mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 973C, 17-28	3.2	40
227	Wide-scope analysis of veterinary drug and pesticide residues in animal feed by liquid chromatography coupled to quadrupole-time-of-flight mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 6543-53	4.4	40
226	Application of hollow fiber supported liquid membrane extraction to the simultaneous determination of pesticide residues in vegetables by liquid chromatography/mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2006**, 20, 2701-8	2.2	40
225	Monitoring of phytochemicals in fresh and fresh-cut vegetables: a comparison. *Food Chemistry*, **2014**, 142, 392-9	8.5	39
224	Rapid and semiautomated method for the analysis of veterinary drug residues in honey based on turbulent-flow liquid chromatography coupled to ultrahigh-performance liquid chromatography-Orbitrap mass spectrometry (TFC-UHPLC-Orbitrap-MS). *Journal of Agricultural and Food Chemistry*, **2013**, 61, 829-39	5.7	39
223	Identification and quantification of the main isoflavones and other phytochemicals in soy based nutraceutical products by liquid chromatography-orbitrap high resolution mass spectrometry. *Journal of Chromatography A*, **2014**, 1348, 125-36	4.5	38
222	Determination of nitrofuran metabolites in seafood by ultra high performance liquid chromatography coupled to triple quadrupole tandem mass spectrometry. *Journal of Food Composition and Analysis*, **2013**, 30, 86-93	4.1	38
221	Determination of pesticides in water samples by solid phase extraction and gas chromatography tandem mass spectrometry. *Journal of Separation Science*, **2008**, 31, 151-61	3.4	38

220	Simultaneous and Fast Determination of Malachite Green, Leucomalachite Green, Crystal Violet, and Brilliant Green in Seafood by Ultrahigh Performance Liquid Chromatography–Tandem Mass Spectrometry. *Food Analytical Methods*, **2013**, 6, 406-414	3.4	37
219	Assessment of potential (inhalation and dermal) and actual exposure to acetamiprid by greenhouse applicators using liquid chromatography-tandem mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2004**, 804, 269-75	3.2	37
218	Correction function on biased results due to matrix effects. *Analytica Chimica Acta*, **2003**, 478, 281-301	6.6	37
217	Determination of toxic substances, pesticides and mycotoxins, in ginkgo biloba nutraceutical products by liquid chromatography Orbitrap-mass spectrometry. *Microchemical Journal*, **2015**, 118, 124-130	4.8	36
216	Simple LC–MS Determination of Citric and Malic Acids in Fruits and Vegetables. *Chromatographia*, **2010**, 72, 55-62	2.1	36
215	Standardization of SPE signals in multicomponent analysis of three benzimidazolic pesticides by spectrofluorimetry. *Analytica Chimica Acta*, **2003**, 477, 211-222	6.6	36
214	Determination of carbendazim, thiabendazole and fuberidazole using a net analyte signal-based method. *Talanta*, **2003**, 59, 1107-16	6.2	36
213	Optimization and Validation of a Multiresidue Pesticide Method in Rice and Wheat Flour by Modified QuEChERS and GC–MS/MS. *Food Analytical Methods*, **2016**, 9, 548-563	3.4	35
212	Determination of Phenolic Compounds in Artichoke, Garlic and Spinach by Ultra-High-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. *Food Analytical Methods*, **2014**, 7, 2095-2106	3.4	35
211	Rapid and sensitive on-line solid phase extraction-ultra high performance liquid chromatography-electrospray-tandem mass spectrometry analysis of pesticides in surface waters. *Journal of Chromatography A*, **2013**, 1305, 193-202	4.5	35
210	Semiautomated determination of neonicotinoids and characteristic metabolite in urine samples using TurboFlow® coupled to ultra high performance liquid chromatography coupled to Orbitrap analyzer. *Journal of Pharmaceutical and Biomedical Analysis*, **2017**, 146, 378-386	3.5	34
209	Simultaneous determination of four biogenic and three volatile amines in anchovy by ultra-high-performance liquid chromatography coupled to tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 5324-9	5.7	34
208	Analysis and study of the distribution of polar and non-polar pesticides in wastewater effluents from modern and conventional treatments. *Journal of Chromatography A*, **2010**, 1217, 7817-25	4.5	34
207	Identification and quantification of phytochemicals in nutraceutical products from green tea by UHPLC-Orbitrap-MS. *Food Chemistry*, **2015**, 173, 607-18	8.5	33
206	QuEChERS-based extraction procedure for multifamily analysis of phytohormones in vegetables by UHPLC-MS/MS. *Journal of Separation Science*, **2011**, 34, 1517-24	3.4	33
205	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. *Journal of Chromatography A*, **1998**, 799, 149-154	4.5	33
204	Application of gas chromatography coupled to triple quadrupole mass spectrometry for the multiresidue analysis of pesticides in olive oil. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 8346-52	5.7	33
203	Characterization of recovery profiles using gas chromatography-triple quadrupole mass spectrometry for the determination of pesticide residues in meat samples. *Journal of Chromatography A*, **2006**, 1133, 315-21	4.5	33

202	Development and validation of a method for determining pesticides in groundwater from complex overlapped HPLC signals and multivariate curve resolution. *Chemometrics and Intelligent Laboratory Systems*, **2005**, 77, 251-260	3.8	33
201	Determination of imidacloprid and its metabolite 6-chloronicotinic acid in greenhouse air by high-performance liquid chromatography with diode-array detection. *Journal of Chromatography A*, **2000**, 869, 497-504	4.5	32
200	Ultrahigh-pressure liquid chromatography-mass spectrometry: An overview of the last decade. *TrAC - Trends in Analytical Chemistry*, **2019**, 118, 170-181	14.6	31
199	Automated and semi-automated extraction methods for GC–MS determination of pesticides in environmental samples. *Trends in Environmental Analytical Chemistry*, **2016**, 12, 1-12	12	31
198	Analytical methods, occurrence and trends of tropane alkaloids and calystegines: An update. *Journal of Chromatography A*, **2018**, 1564, 1-15	4.5	31
197	Application of QuEChERS based method for the determination of pesticides in nutraceutical products (Camellia sinensis) by liquid chromatography coupled to triple quadrupole tandem mass spectrometry. *Food Chemistry*, **2015**, 177, 182-90	8.5	31
196	Analysis of veterinary drug and pesticide residues in animal feed by high-resolution mass spectrometry: comparison between time-of-flight and Orbitrap. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2015**, 32, 1637-46	3.2	30
195	Multi-pesticide residue analysis in nutraceuticals from grape seed extracts by gas chromatography coupled to triple quadrupole mass spectrometry. *Food Control*, **2015**, 47, 369-380	6.2	30
194	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. *Journal of AOAC INTERNATIONAL*, **2010**, 93, 1715-1731	1.7	30
193	Fast determination of herbicides in waters by ultra-performance liquid chromatography/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 3585-92	2.2	30
192	LC–MS Determination of Sterols in Olive Oil. *Chromatographia*, **2007**, 65, 695-699	2.1	30
191	Trace determination of carbendazim, fuberidazole and thiabendazole in water by application of multivariate calibration to cross-sections of three-dimensional excitation-emission matrix fluorescence. *Analyst, The*, **2000**, 125, 1167-74	5	30
190	Analysis of veterinary drug residues in cheese by ultra-high-performance LC coupled to triple quadrupole MS/MS. *Journal of Separation Science*, **2013**, 36, 1223-30	3.4	29
189	Systematic study of the contamination of wastewater treatment plant effluents by organic priority compounds in Almeria province (SE Spain). *Science of the Total Environment*, **2013**, 447, 381-9	10.2	29
188	Determination of aflatoxins B1, B2, G1, G2 and ochratoxin A in animal feed by ultra high-performance liquid chromatography-tandem mass spectrometry. *Journal of Separation Science* , **2010**, 33, 502-8	3.4	28
187	Determination of polycyclic aromatic hydrocarbons in olive oil by a completely automated headspace technique coupled to gas chromatography-mass spectrometry. *Journal of Mass Spectrometry*, **2006**, 41, 822-9	2.2	28
186	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. *Journal of Chromatography A*, **2004**, 1050, 179-184	4.5	27
185	Resolution (and quantitation) of mixtures with overlapped spectra by orthogonal projection approach and alternating least squares. *Analytica Chimica Acta*, **2001**, 449, 143-155	6.6	27

184	Application of several modified peak purity assays to real complex multicomponent mixtures by high-performance liquid chromatography with diode-array detection. *Journal of Chromatography A*, **1999**, 855, 487-99	4.5	27
183	Multi-class determination of pesticides and mycotoxins in isoflavones supplements obtained from soy by liquid chromatography coupled to Orbitrap high resolution mass spectrometry. *Food Control*, **2016**, 59, 218-224	6.2	26
182	Quantitative determination of endocrine- disrupting polychlorinated biphenyls and organochlorinated pesticides in human serum using gas chromatography with electron-capture detection and tandem mass spectrometry. *Journal of Mass Spectrometry*, **2000**, 35, 967-75	2.2	26
181	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. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 2043-59	4.4	25
180	Evaluation of multiwavelength chromatograms for the quantification of mixtures of pesticides by high-performance liquid chromatography-diode array detection with multivariate calibration. *Journal of Chromatography A*, **1997**, 778, 139-49	4.5	25
179	Multicomponent determination of atrazine, diuron and chlorpyrifos in groundwaters and soils by spectrophotometry using multivariate calibration. *Analyst, The*, **1994**, 119, 1189	5	25
178	Multi-analysis determination of tropane alkaloids in cereals and solanaceaes seeds by liquid chromatography coupled to single stage Exactive-Orbitrap. *Journal of Chromatography A*, **2017**, 1518, 46-58	4.5	24
177	Analysis of triphenylmethane dyes in seafood products: a review of extraction methods and determination by liquid chromatography coupled to mass spectrometry. *Analytical Methods*, **2013**, 5, 3434	3.2	24
176	Mass spectrometry approaches to ensure food safety. *Analytical Methods*, **2020**, 12, 1148-1162	3.2	23
175	Determination of steroid hormones and their metabolite in several types of meat samples by ultra high performance liquid chromatography-Orbitrap high resolution mass spectrometry. *Journal of Chromatography A*, **2018**, 1540, 21-30	4.5	23
174	Screening method for pesticides in air by gas chromatography/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2004**, 18, 537-43	2.2	23
173	Single step determination of fragrances in Cucurbita flowers by coupling headspace solid-phase microextraction low-pressure gas chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2004**, 1045, 173-9	4.5	23
172	Assessment of relevant factors and relationships concerning human dermal exposure to pesticides in greenhouse applications. *Pest Management Science*, **2002**, 58, 784-90	4.6	23
171	Selection of a Representative Matrix for Calibration in Multianalyte Determination of Pesticides in Vegetables by Liquid Chromatography-Electrospray Tandem Mass Spectrometry. *Chromatographia*, **2005**, 61, 127-131	2.1	23
170	Trace determination of alpha- and beta-endosulfan and three metabolites in human serum by gas chromatography electron capture detection and gas chromatography tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2000**, 14, 939-46	2.2	23
169	Identification of transformation products of pesticides and veterinary drugs in food and related matrices: use of retrospective analysis. *Journal of Chromatography A*, **2015**, 1389, 133-8	4.5	22
168	Rum classification using fingerprinting analysis of volatile fraction by headspace solid phase microextraction coupled to gas chromatography-mass spectrometry. *Talanta*, **2018**, 187, 348-356	6.2	22
167	Trace determination of organotin compounds in water, sediment and mussel samples by low-pressure gas chromatography coupled to tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2003**, 17, 2099-106	2.2	22

166	Fast analysis of 4-tertoctylphenol, pentachlorophenol and 4-nonylphenol in river sediments by QuEChERS extraction procedure combined with GC-QqQ-MS/MS. *Science of the Total Environment*, **2016**, 557-558, 681-7	10.2	22
165	Automated and simultaneous determination of priority substances and polychlorinated biphenyls in wastewater using headspace solid phase microextraction and high resolution mass spectrometry. *Analytica Chimica Acta*, **2018**, 1002, 39-49	6.6	22
164	Simultaneous analysis of tropane alkaloids in teas and herbal teas by liquid chromatography coupled to high-resolution mass spectrometry (Orbitrap). *Journal of Separation Science*, **2018**, 41, 1938-1946	3.4	21
163	Quality control evaluation of nutraceutical products from Ginkgo biloba using liquid chromatography coupled to high resolution mass spectrometry. *Journal of Pharmaceutical and Biomedical Analysis*, **2016**, 121, 151-160	3.5	21
162	Determination of Organophosphorus Pesticides in Vegetables by GC with Pulsed Flame-Photometric Detection, and Confirmation by MS. *Chromatographia*, **2006**, 64, 667-672	2.1	21
161	Determination of fifteen priority phenolic compounds in environmental samples from Andalusia (Spain) by liquid chromatography-mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2004**, 379, 125-30	4.4	21
160	Comparison of gas chromatography with NPD, MS, and tandem MS-MS in the multiresidue analysis of pesticides in environmental waters. *Chromatographia*, **2000**, 52, 614-620	2.1	21
159	Determination of free and bound phenolic compounds and their antioxidant activity in buckwheat bread loaf, crust and crumb. *LWT - Food Science and Technology*, **2018**, 87, 217-224	5.4	20
158	Enantiomeric determination and evaluation of the racemization process of atropine in Solanaceae seeds and contaminated samples by high performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2016**, 1474, 79-84	4.5	19
157	Determination of organochlorine pesticides by GC-ECD and GC-MS-MS techniques including an evaluation of the uncertainty associated with the results. *Chromatographia*, **2003**, 57, 213-220	2.1	19
156	Evaluation of the Presence of Phenolic Compounds in Different Varieties of Apple by Ultra-High-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. *Food Analytical Methods*, **2015**, 8, 696-709	3.4	18
155	Comparison of several extraction procedures for the determination of biopesticides in soil samples by ultrahigh pressure LC-MS/MS. *Journal of Separation Science*, **2012**, 35, 861-8	3.4	18
154	Fast determination of four polar contaminants in soy nutraceutical products by liquid chromatography coupled to tandem mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 8089-8098	4.4	18
153	Determination of flonicamid and its metabolites in bell pepper using ultra-high-performance liquid chromatography coupled to high-resolution mass spectrometry (Orbitrap). *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2016**, 33, 1685-1692	3.2	18
152	The metabolic pathway of flonicamid in oranges using an orthogonal approach based on high-resolution mass spectrometry and nuclear magnetic resonance. *Analytical Methods*, **2017**, 9, 1718-1726	3.2	17
151	Determination of mycotoxins in nuts by ultra high-performance liquid chromatography-tandem mass spectrometry: Looking for a representative matrix. *Journal of Food Composition and Analysis*, **2019**, 82, 103228	4.1	17
150	Comparison of Multicomponent Determination of Iprodione, Procymidone and Chlorothalonil by Partial Least Squares Modelling Using Spectrophotometric and High-Performance Liquid Chromatography Data. *Analytical Letters*, **1997**, 30, 2409-2432	2.2	17
149	Determination of parts per trillion levels of benzoylurea pesticides in groundwater by high-performance liquid chromatography-electrospray ionization mass spectrometry. *Chromatographia*, **2000**, 52, 569-574	2.1	17

148	Metabolomics approaches for the determination of multiple contaminants in food. *Current Opinion in Food Science*, **2019**, 28, 49-57	9.8	16
147	Evaluation of the potential of GC-APCI-MS for the analysis of pesticide residues in fatty matrices. *Journal of the American Society for Mass Spectrometry*, **2014**, 25, 899-902	3.5	16
146	Fast determination of myo-inositol in milk powder by ultra high performance liquid chromatography coupled to tandem mass spectrometry. *Food Chemistry*, **2011**, 129, 1281-6	8.5	16
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