

Roberto Romero Gonzlez

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196 papers	5,933 citations	42 h-index	67 g-index
203 ext. papers	6,621 ext. citations	4.9 avg, IF	6.16 L-index

#	Paper	IF	Citations
196	Multi-residue determination of veterinary drugs in milk by ultra-high-pressure liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1205, 10-6	4.5	208
195	Multi-mycotoxin analysis in eggs using a QuEChERS-based extraction procedure and ultra-high-pressure liquid chromatography coupled to triple quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 4349-56	4.5	192
194	Comprehensive qualitative and quantitative determination of pesticides and veterinary drugs in honey using liquid chromatography-Orbitrap high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1248, 130-8	4.5	149
193	Multiresidue method for fast determination of pesticides in fruit juices by ultra performance liquid chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , 2008 , 76, 211-25	6.2	140
192	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. <i>Journal of Chromatography A</i> , 2011 , 1218, 1477-85	4.5	133
191	Determination of pesticide transformation products: a review of extraction and detection methods. <i>Journal of Chromatography A</i> , 2009 , 1216, 6767-88	4.5	129
190	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. <i>Journal of Neuroscience Methods</i> , 2011 , 198, 187-94	3	124
189	Simple and high-throughput method for the multimycotoxin analysis in cereals and related foods by ultra-high performance liquid chromatography/tandem mass spectrometry. <i>Food Chemistry</i> , 2009 , 117, 705-712	8.5	120
188	Comparison of several extraction techniques for multiclass analysis of veterinary drugs in eggs using ultra-high pressure liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2010 , 661, 150-60	6.6	118
187	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. <i>Journal of Chromatography A</i> , 2010 , 1217, 5724-31	4.5	108
186	Compensation for matrix effects in gas chromatography-tandem mass spectrometry using a single point standard addition. <i>Journal of Chromatography A</i> , 2009 , 1216, 4798-808	4.5	97
185	Multiclass analysis of antibiotic residues in honey by ultraperformance liquid chromatography-tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 1760-7	5.7	96
184	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. <i>Talanta</i> , 2012 , 89, 201-8	6.2	93
183	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, 907-15	8.5	92
182	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	3.2	91
181	Simultaneous analysis of antibiotics in biological samples by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 89, 203-12	3.5	90
180	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	14.6	89

179	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	4.5	83
178	Optimization of chromatographic parameters for the determination of biogenic amines in wines by reversed-phase high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2000 , 871, 75-83	4.5	82
177	Analysis of phenolic compounds in olive oil by solid-phase extraction and ultra high performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2012 , 134, 2465-72	8.5	81
176	Multiclass method for fast determination of veterinary drug residues in baby food by ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Food Chemistry</i> , 2012 , 132, 2171-2180	8.5	80
175	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, 2863-75	4.4	80
174	High-throughput determination of pesticide residues in food commodities by use of ultra-performance liquid chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 947-59	4.4	75
173	Simultaneous analysis of chlorophenols, alkylphenols, nitrophenols and cresols in wastewater effluents, using solid phase extraction and further determination by gas chromatography-tandem mass spectrometry. <i>Talanta</i> , 2011 , 85, 2397-404	6.2	73
172	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, 142-8	3.2	70
171	Application of conventional solid-phase extraction for multimycotoxin analysis in beers by ultrahigh-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 9385-92	5.7	67
170	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, 183-96	6.2	64
169	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, 2376-81	4.7	61
168	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, 9353-65	4.5	57
167	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	6.6	57
166	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, 2777-90	4.4	57
165	Multifamily determination of pesticide residues in soya-based nutraceutical products by GC/MS-MS. <i>Food Chemistry</i> , 2015 , 173, 796-807	8.5	48
164	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, 1120-9	8.5	48
163	Determination of trace levels of dinitrophenolic compounds in environmental water samples using hollow fiber supported liquid membrane extraction and high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006 , 1103, 1-8	4.5	48
162	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	6.2	47

161	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, 277-91	6.2	45
160	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	2.2	45
159	Characterization of selected Spanish table wine samples according to their biogenic amine content from liquid chromatographic determination. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 4713-7	5.7	45
158	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, 156-64	6.2	43
157	Determination of free copper concentrations in natural waters by using supported liquid membrane extraction under equilibrium conditions. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 381, 1452-9	4.4	43
156	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	8.5	42
155	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, 171-6	6.2	42
154	Study of new organophosphorus derivatives carriers on the selective recovery of M (II) and M (III) metals, using supported liquid membrane extraction. <i>Journal of Membrane Science</i> , 2006 , 284, 398-405	9.6	42
153	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	8.5	40
152	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 , 973C, 17-28	3.2	40
151	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, 6543-53	4.4	40
150	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, 2701-8	2.2	40
149	Monitoring of phytochemicals in fresh and fresh-cut vegetables: a comparison. <i>Food Chemistry</i> , 2014 , 142, 392-9	8.5	39
148	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). <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 833-838	5.7	39
147	Identification and quantification of the main isoflavones and other phytochemicals in soy based nutraceutical products by liquid chromatography-orbitrap high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1348, 125-36	4.5	38
146	Determination of nitrofurans 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	4.1	38
145	Determination of pesticides in water samples by solid phase extraction and gas chromatography tandem mass spectrometry. <i>Journal of Separation Science</i> , 2008 , 31, 151-61	3.4	38
144	Simultaneous and Fast Determination of Malachite Green, Leucomalachite Green, Crystal Violet, and Brilliant Green in Seafood by Ultrahigh Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2013 , 6, 406-414	3.4	37

143	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	4.8	36
142	Simple LC/MS Determination of Citric and Malic Acids in Fruits and Vegetables. <i>Chromatographia</i> , 2010 , 72, 55-62	2.1	36
141	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	3.4	35
140	Rapid and sensitive on-line solid phase extraction-ultra high performance liquid chromatography-electrospray-tandem mass spectrometry analysis of pesticides in surface waters. <i>Journal of Chromatography A</i> , 2013 , 1305, 193-202	4.5	35
139	Evaluation of soil contamination in intensive agricultural areas by pesticides and organic pollutants: south-eastern Spain as a case study. <i>Journal of Environmental Monitoring</i> , 2012 , 14, 1182-9		35
138	Semiautomated determination of neonicotinoids and characteristic metabolite in urine samples using TurboFlow coupled to ultra high performance liquid chromatography coupled to Orbitrap analyzer. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 146, 378-386	3.5	34
137	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, 5324-9	5.7	34
136	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, 7817-25	4.5	34
135	Identification and quantification of phytochemicals in nutraceutical products from green tea by UHPLC-Orbitrap-MS. <i>Food Chemistry</i> , 2015 , 173, 607-18	8.5	33
134	QuEChERS-based extraction procedure for multifamily analysis of phytohormones in vegetables by UHPLC-MS/MS. <i>Journal of Separation Science</i> , 2011 , 34, 1517-24	3.4	33
133	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, 315-21	4.5	33
132	Optimization of experimental variables in the dabsyl chloride derivatization of biogenic amines for their determination by RP-HPLC. <i>Chromatographia</i> , 2000 , 51, 404-410	2.1	33
131	Equilibrium sampling through membranes of freely dissolved copper concentrations with selective hollow fiber membranes and the spectrophotometric detection of a metal stripping agent. <i>Analytical Chemistry</i> , 2005 , 77, 7605-11	7.8	32
130	Ultrahigh-pressure liquid chromatography-mass spectrometry: An overview of the last decade. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 170-181	14.6	31
129	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	12	31
128	Analytical methods, occurrence and trends of tropane alkaloids and calystegines: An update. <i>Journal of Chromatography A</i> , 2018 , 1564, 1-15	4.5	31
127	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, 182-90	8.5	31
126	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, 1637-46	3.2	30

125	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	6.2	30
124	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	1.7	30
123	Fast determination of herbicides in waters by ultra-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 3585-92	2.2	30
122	LC/MS Determination of Sterols in Olive Oil. <i>Chromatographia</i> , 2007 , 65, 695-699	2.1	30
121	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, 1223-30	3.4	29
120	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, 381-9	10.2	29
119	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, 502-8	3.4	28
118	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	6.2	26
117	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, 2043-59	4.4	25
116	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	4.5	24
115	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	3.2	24
114	Multivariate optimization of supported liquid membrane extraction of biogenic amines from wine samples prior to liquid chromatography determination as dansyl derivatives. <i>Journal of Separation Science</i> , 2002 , 25, 584-592	3.4	24
113	Mass spectrometry approaches to ensure food safety. <i>Analytical Methods</i> , 2020 , 12, 1148-1162	3.2	23
112	Determination of steroid hormones and their metabolite in several types of meat samples by ultra high performance liquid chromatography-Orbitrap high resolution mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1540, 21-30	4.5	23
111	The influence of the brewing process on the formation of biogenic amines in beers. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 376, 162-7	4.4	23
110	Multivariate optimization of solvent extraction of Cd(II), Co(II), Cr(VI), Cu(II), Ni(II), Pb(II) and Zn(II) as dibenzylthiocarbamates and detection by AAS. <i>Journal of Analytical Atomic Spectrometry</i> , 2001 , 16, 638-642	3.7	23
109	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, 133-8	4.5	22
108	Rum classification using fingerprinting analysis of volatile fraction by headspace solid phase microextraction coupled to gas chromatography-mass spectrometry. <i>Talanta</i> , 2018 , 187, 348-356	6.2	22

107	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	3.4	21
106	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	3.5	21
105	Enantiomeric determination and evaluation of the racemization process of atropine in Solanaceae seeds and contaminated samples by high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1474, 79-84	4.5	19
104	Evaluation of the Presence of Phenolic Compounds in Different Varieties of Apple by Ultra-High-Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2015 , 8, 696-709	3.4	18
103	Comparison of several extraction procedures for the determination of biopesticides in soil samples by ultrahigh pressure LC-MS/MS. <i>Journal of Separation Science</i> , 2012 , 35, 861-8	3.4	18
102	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	4.4	18
101	Determination of flonicamid and its metabolites in bell pepper using ultra-high-performance liquid chromatography coupled to high-resolution mass spectrometry (Orbitrap). <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016 , 33, 1685-1692	3.2	18
100	The metabolic pathway of flonicamid in oranges using an orthogonal approach based on high-resolution mass spectrometry and nuclear magnetic resonance. <i>Analytical Methods</i> , 2017 , 9, 1718-1726	3.2	17
99	Determination of mycotoxins in nuts by ultra high-performance liquid chromatography-tandem mass spectrometry: Looking for a representative matrix. <i>Journal of Food Composition and Analysis</i> , 2019 , 82, 103228	4.1	17
98	Food safety: how analytical chemists ensure it. <i>Analytical Methods</i> , 2015 , 7, 7193-7201	3.2	17
97	Development of a HS-SPME/GC-MS method for the analysis of volatile organic compounds from fabrics for forensic reconstruction applications. <i>Forensic Science International</i> , 2018 , 290, 207-218	2.6	17
96	Ultrasound and mechanical tests combined with ANOVA to evaluate brick quality. <i>Ceramics International</i> , 2001 , 27, 401-406	5.1	17
95	Metabolomics approaches for the determination of multiple contaminants in food. <i>Current Opinion in Food Science</i> , 2019 , 28, 49-57	9.8	16
94	Evaluation of the potential of GC-APCI-MS for the analysis of pesticide residues in fatty matrices. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 899-902	3.5	16
93	Reliable determination of tropane alkaloids in cereal based baby foods coupling on-line spe to mass spectrometry avoiding chromatographic step. <i>Food Chemistry</i> , 2019 , 275, 746-753	8.5	16
92	Multiclass Determination of Phenolic Compounds in Different Varieties of Tomato and Lettuce by Ultra High Performance Liquid Chromatography Coupled to Tandem Mass Spectrometry. <i>International Journal of Food Properties</i> , 2016 , 19, 494-507	3	15
91	Simultaneous and highly sensitive determination of PCBs and PBDEs in environmental water and sediments by gas chromatography coupled to high resolution magnetic sector mass spectrometry. <i>Analytical Methods</i> , 2015 , 7, 3036-3047	3.2	15
90	Simultaneous extraction of polycyclic aromatic hydrocarbons and polychlorinated biphenyls in agricultural soils by pressurized liquid extraction and determination by gas chromatography coupled to tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1551-62	4.4	15

89	The Role of the Robustness/Ruggedness and Inertia Studies in Research and Development of Analytical Processes. <i>Critical Reviews in Analytical Chemistry</i> , 2005 , 35, 57-69	5.2	15
88	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	8.5	15
87	Phytochemical composition and in vitro anti-tumour activities of selected tomato varieties. <i>Journal of the Science of Food and Agriculture</i> , 2017 , 97, 488-496	4.3	14
86	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	8.5	14
85	Monitoring of organophosphate and pyrethroid metabolites in human urine samples by an automated method (TurboFlow) coupled to ultra-high performance liquid chromatography-Orbitrap mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 173, 31-39	3.5	13
84	H NMR and multi-technique data fusion as metabolomic tool for the classification of golden rums by multivariate statistical analysis. <i>Food Chemistry</i> , 2020 , 317, 126363	8.5	13
83	Sesquiterpene lactones and inositol 4-hydroxyphenylacetic acid derivatives in wild edible leafy vegetables from Central Italy. <i>Journal of Food Composition and Analysis</i> , 2018 , 72, 1-6	4.1	13
82	Solid phase microextraction and gas chromatography coupled to magnetic sector high resolution mass spectrometry for the ultra-trace determination of contaminants in surface water. <i>Journal of Chromatography A</i> , 2017 , 1518, 15-24	4.5	13
81	Multiresidue method for the fast determination of pesticides in nutraceutical products (<i>Camellia sinensis</i>) by GC coupled to triple quadrupole MS. <i>Journal of Separation Science</i> , 2014 , 37, 665-74	3.4	13
80	Highly sensitive determination of polybrominated diphenyl ethers in surface water by GC coupled to high-resolution MS according to the EU Water Directive 2008/105/EC. <i>Journal of Separation Science</i> , 2014 , 37, 69-76	3.4	13
79	Simple and quick determination of analgesics and other contaminants of emerging concern in environmental waters by on-line solid phase extraction coupled to liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1446, 27-33	4.5	13
78	A new anthraquinoid ligand for the iron-catalyzed hydrosilylation of carbonyl compounds at room temperature: new insights and kinetics. <i>Dalton Transactions</i> , 2018 , 47, 7272-7281	4.3	12
77	Degradation studies of quizalofop-p and related compounds in soils using liquid chromatography coupled to low and high resolution mass analyzers. <i>Science of the Total Environment</i> , 2017 , 607-608, 204-213	10.3	12
76	Innovative determination of polar organophosphonate pesticides based on high-resolution Orbitrap mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2012 , 47, 1458-65	2.2	12
75	An Innovative Metabolomic Approach for Golden Rum Classification Combining Ultrahigh-Performance Liquid Chromatography-Orbitrap Mass Spectrometry and Chemometric Strategies. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 1302-1311	5.7	12
74	Sample Treatment in Pesticide Residue Determination in Food by High-Resolution Mass Spectrometry: Are Generic Extraction Methods the End of the Road?. <i>Journal of AOAC INTERNATIONAL</i> , 2016 , 99, 1395-1402	1.7	11
73	Determination of polyphenols in grape-based nutraceutical products using high resolution mass spectrometry. <i>LWT - Food Science and Technology</i> , 2016 , 71, 249-259	5.4	11
72	Study of the occurrence of tropane alkaloids in animal feed using LC-HRMS. <i>Analytical Methods</i> , 2018 , 10, 3340-3346	3.2	11

71	Depletion of veterinary drugs used in aquaculture after administration in feed to gilthead seabream (<i>Sparus aurata</i>). <i>Journal of Food Protection</i> , 2010 , 73, 1664-70	2.5	11
70	Dissipation studies of famoxadone in vegetables under greenhouse conditions using liquid chromatography coupled to high-resolution mass spectrometry: putative elucidation of a new metabolite. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 5368-5376	4.3	10
69	Determination of 19 volatile organic compounds in wastewater effluents from different treatments by purge and trap followed by gas-chromatography coupled to mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 3537-46	4.4	10
68	Pushing the frontiers: boron-11 NMR as a method for quantitative boron analysis and its application to determine boric acid in commercial biocides. <i>Analyst, The</i> , 2018 , 143, 4707-4714	5	10
67	Analysis of calystegines in tomato-based products by liquid chromatography-Orbitrap mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1576, 51-57	4.5	10
66	Residues and dissipation kinetics of famoxadone and its metabolites in environmental water and soil samples under different conditions. <i>Environmental Pollution</i> , 2019 , 252, 163-170	9.3	9
65	Dissipation kinetic studies of fenamidone and propamocarb in vegetables under greenhouse conditions using liquid and gas chromatography coupled to high-resolution mass spectrometry. <i>Chemosphere</i> , 2019 , 226, 36-46	8.4	9
64	Behavior of quizalofop-p and its commercial products in water by liquid chromatography coupled to high resolution mass spectrometry. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 157, 285-291	7	9
63	Rapid determination of underivatized amino acids in fertilizers by ultra high performance liquid chromatography coupled to tandem mass spectrometry. <i>Analytical Methods</i> , 2010 , 2, 1745	3.2	9
62	Degradation of tropane alkaloids in baked bread samples contaminated with Solanaceae seeds. <i>Food Research International</i> , 2019 , 122, 585-592	7	9
61	Natural Occurrence, Legislation, and Determination of Aflatoxins Using Chromatographic Methods in Food: A Review (from 2010 to 2019). <i>Food Reviews International</i> , 2021 , 37, 244-275	5.5	9
60	Determination of rodenticides and related metabolites in rabbit liver and biological matrices by liquid chromatography coupled to Orbitrap high resolution mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 137, 235-242	3.5	8
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