

Mara Dolores Luque de Castro

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

191
papers

6,524
citations

44
h-index

69
g-index

195
ext. papers

7,125
ext. citations

5.7
avg, IF

6.22
L-index

#	Paper	IF	Citations
191	Headspace GC/MS volatile profile of black garlic vs fresh garlic: Evolution along fermentation and behavior under heating. <i>LWT - Food Science and Technology</i> , 2017 , 80, 98-105	5.4	47
190	Establishing compositional differences between fresh and black garlic by a metabolomics approach based on LC-QTOF MS/MS analysis. <i>Journal of Food Composition and Analysis</i> , 2017 , 62, 155-163	4.1	31
189	Metabolomics: A potential way to know the role of vitamin D on multiple sclerosis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 136, 22-31	3.5	11
188	Selective ultrasound-enhanced enzymatic hydrolysis of oleuropein to its aglycon in olive (<i>Olea europaea</i> L.) leaf extracts. <i>Food Chemistry</i> , 2017 , 220, 282-288	8.5	16
187	Untargeted analysis to monitor metabolic changes of garlic along heat treatment by LC-QTOF MS/MS. <i>Electrophoresis</i> , 2017 , 38, 2349-2360	3.6	11
186	Recent advances in human sweat metabolomics for lung cancer screening. <i>Metabolomics</i> , 2016 , 12, 1	4.7	19
185	Effect of sample pretreatment on the extraction of lemon (<i>Citrus limon</i>) components. <i>Talanta</i> , 2016 , 153, 386-91	6.2	15
184	Development of a method for enhancing metabolomics coverage of human sweat by gas chromatography-mass spectrometry in high resolution mode. <i>Analytica Chimica Acta</i> , 2016 , 905, 115-25	6.6	30
183	Comparative Study of the Effect of Sample Pretreatment and Extraction on the Determination of Flavonoids from Lemon (<i>Citrus limon</i>). <i>PLoS ONE</i> , 2016 , 11, e0148056	3.7	25
182	Microwave-Assisted Extraction of Food Components 2016 , 772-779		
181	Microwave-Assisted Extraction of Food Components 2016 ,		1
180	Tentative identification of the composition of <i>Agaricus bisporus</i> aqueous enzymatic extracts with antiviral activity against HCV: A study by liquid chromatography tandem mass spectrometry in high resolution mode. <i>Journal of Functional Foods</i> , 2016 , 24, 403-419	5.1	24
179	HS-GC/MS volatile profile of different varieties of garlic and their behavior under heating. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 3843-52	4.4	21
178	Present and foreseeable future of metabolomics in forensic analysis. <i>Analytica Chimica Acta</i> , 2016 , 925, 1-15	6.6	40
177	The role of ultrasound in pharmaceutical production: sonocrystallization. <i>Journal of Pharmacy and Pharmacology</i> , 2016 , 68, 1249-67	4.8	37
176	Comparative study of the effect of auxiliary energies on the extraction of Citrus fruit components. <i>Talanta</i> , 2015 , 144, 522-8	6.2	12
175	Development and application of a quantitative method for determination of flavonoids in orange peel: Influence of sample pretreatment on composition. <i>Talanta</i> , 2015 , 144, 349-55	6.2	25

174	Ultrasound-assisted emulsification-extraction of orange peel metabolites prior to tentative identification by LC-QTOF MS/MS. <i>Talanta</i> , 2015 , 141, 150-7	6.2	8
173	A review on enzyme and ultrasound: A controversial but fruitful relationship. <i>Analytica Chimica Acta</i> , 2015 , 889, 1-21	6.6	90
172	Enhancing detection coverage in untargeted metabolomics analysis by solid-phase extraction on-line coupled to LC-MS/MS. <i>Electrophoresis</i> , 2015 , 36, 2179-2187	3.6	9
171	Composition of fatty acids in virgin olive oils from cross breeding segregating populations by gas chromatography separation with flame ionization detection. <i>Journal of the Science of Food and Agriculture</i> , 2015 , 95, 2892-900	4.3	6
170	The effect of genotype and ripening index on the phenolic profile and fatty acids composition of virgin olive oils from olive breeding programs. <i>European Journal of Lipid Science and Technology</i> , 2015 , 117, 954-966	3	7
169	Study of blood collection and sample preparation for analysis of vitamin D and its metabolites by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2015 , 879, 69-76	6.6	18
168	Human sweat metabolomics for lung cancer screening. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5381-92	4.4	67
167	Qualitative/quantitative strategy for the determination of glufosinate and metabolites in plants. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 611-20	4.4	6
166	Analysis of serum phospholipid profiles by liquid chromatography-tandem mass spectrometry in high resolution mode for evaluation of atherosclerotic patients. <i>Journal of Chromatography A</i> , 2014 , 1371, 154-62	4.5	18
165	Towards a comprehensive exploitation of citrus. <i>Trends in Food Science and Technology</i> , 2014 , 39, 63-75	15.3	49
164	LC-MS/MS quantitative analysis of paclitaxel and its major metabolites in serum, plasma and tissue from women with ovarian cancer after intraperitoneal chemotherapy. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 91, 131-7	3.5	27
163	High-resolution mass spectrometry to evaluate the influence of cross-breeding segregating populations on the phenolic profile of virgin olive oils. <i>Journal of the Science of Food and Agriculture</i> , 2014 , 94, 3100-9	4.3	12
162	Capillary electrophoresis and herbicide analysis: present and future perspectives. <i>Electrophoresis</i> , 2014 , 35, 2509-19	3.6	24
161	Stable isotopic internal standard correction for quantitative analysis of hydroxyeicosatetraenoic acids (HETEs) in serum by on-line SPE-LC-MS/MS in selected reaction monitoring mode. <i>Talanta</i> , 2014 , 126, 170-6	6.2	8
160	Ultrasound: a subexploited tool for sample preparation in metabolomics. <i>Analytica Chimica Acta</i> , 2014 , 806, 74-84	6.6	30
159	Optimization study for metabolomics analysis of human sweat by liquid chromatography-tandem mass spectrometry in high resolution mode. <i>Journal of Chromatography A</i> , 2014 , 1333, 70-8	4.5	51
158	Towards a comprehensive exploitation of agrofood residues: Olive tree and olive oil as example. <i>Comptes Rendus Chimie</i> , 2014 , 17, 252-260	2.7	9
157	Ultrasound-assisted extraction with LC-TOF/MS identification and LC-UV determination of imazamox and its metabolites in leaves of wheat plants. <i>Phytochemical Analysis</i> , 2014 , 25, 357-63	3.4	11

156	Analysis of esterified and nonesterified fatty acids in serum from obese individuals after intake of breakfasts prepared with oils heated at frying temperature. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 6117-29	4.4	8
155	Mass spectrometry to evaluate the effect of the ripening process on phenols of virgin olive oils. <i>European Journal of Lipid Science and Technology</i> , 2013 , 115, 1053-1061	3	8
154	Lower vitamin E serum levels are associated with osteoporosis in early postmenopausal women: a cross-sectional study. <i>Journal of Bone and Mineral Metabolism</i> , 2013 , 31, 455-60	2.9	25
153	An approach for quantitative analysis of vitamins D and B9 and their metabolites in human biofluids by on-line orthogonal sample preparation and sequential mass spectrometry detection. <i>Analyst, The</i> , 2013 , 138, 2146-55	5	8
152	Near-infrared spectroscopy and partial least squares-class modeling (PLS-CM) for metabolomics fingerprinting discrimination of intervention breakfasts ingested by obese individuals. <i>Journal of Chemometrics</i> , 2013 , 27, n/a-n/a	1.6	1
151	Method based on GC-MS to study the influence of tricarboxylic acid cycle metabolites on cardiovascular risk factors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013 , 74, 178-85	3.5	21
150	Liquid chromatography-diode array detection to study the metabolism of glufosinate in <i>Triticum aestivum</i> T-590 and influence of the genetic modification on its resistance. <i>Phytochemistry</i> , 2013 , 96, 117-22	4	5
149	Ultrasound-assisted hydrolysis and chemical derivatization combined to lab-on-valve solid-phase extraction for the determination of sialic acids in human biofluids by liquid chromatography-laser induced fluorescence. <i>Analytica Chimica Acta</i> , 2013 , 766, 69-76	6.6	15
148	Characterization of grape seed residues from the ethanol-distillation industry. <i>Analytical Methods</i> , 2013 , 5, 1922	3.2	4
147	Ultrasound-assisted extraction and in situ derivatization. <i>Journal of Chromatography A</i> , 2013 , 1296, 226-345	3.5	23
146	Integrated identification/confirmatory and targeted analysis of epoxyeicosatrienoic acids in human serum by LC-TOF MS and automated on-line SPE-LC-QqQ MS/MS. <i>Talanta</i> , 2013 , 106, 440-7	6.2	9
145	Sequential determination of metabolites involved in the biosynthesis of aromatic amino acids after ultrasound-assisted extraction from plants and reverse LC separation. <i>Talanta</i> , 2013 , 105, 429-34	6.2	4
144	Short-term comparative study of the influence of fried edible oils intake on the metabolism of essential fatty acids in obese individuals. <i>Food Chemistry</i> , 2013 , 136, 576-84	8.5	10
143	Potential of residues from the Mediterranean agriculture and agrifood industry. <i>Trends in Food Science and Technology</i> , 2013 , 32, 16-24	15.3	56
142	Ultrasound-assisted analytical emulsification-extraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013 , 45, 1-13	14.6	27
141	Comparison of saponification methods for characterization of the nonsaponifiable fraction of virgin olive oil. <i>European Journal of Lipid Science and Technology</i> , 2013 , 115, 1325-1333	3	8
140	Targeted analysis of omega-6-derived eicosanoids in human serum by SPE-LC-MS/MS for evaluation of coronary artery disease. <i>Electrophoresis</i> , 2013 , 34, 2901-9	3.6	6
139	Limited uptake, translocation and enhanced metabolic degradation contribute to glyphosate tolerance in <i>Mucuna pruriens</i> var. utilis plants. <i>Phytochemistry</i> , 2012 , 73, 34-41	4	46

138	Preparation of urine samples prior to targeted or untargeted metabolomics mass-spectrometry analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2012 , 41, 75-85	14.6	81
137	Tentative identification of phenolic compounds in olive pomace extracts using liquid chromatography-tandem mass spectrometry with a quadrupole-quadrupole-time-of-flight mass detector. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 11542-50	5.7	55
136	Two non-target mechanisms are involved in glyphosate-resistant horseweed (<i>Conyza canadensis</i> L. Cronq.) biotypes. <i>Journal of Plant Physiology</i> , 2012 , 169, 1673-9	3.6	60
135	Green Sample Preparation with Non-Chromatographic Separation Techniques 2012 , 125-151		1
134	Automated method for determination of olive oil phenols and metabolites in human plasma and application in intervention studies. <i>Journal of Chromatography A</i> , 2012 , 1258, 108-16	4.5	16
133	Pool of resistance mechanisms to glyphosate in <i>Digitaria insularis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 615-22	5.7	101
132	Comparison of extraction methods for exploitation of grape skin residues from ethanol distillation. <i>Talanta</i> , 2012 , 101, 292-8	6.2	18
131	Evaluation of the composition of vine shoots and oak chips for oenological purposes by superheated liquid extraction and high-resolution liquid chromatography-time-of-flight/mass spectrometry analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3409-17	5.7	15
130	Comparison of accelerated methods for the extraction of phenolic compounds from different vine-shoot cultivars. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3051-60	5.7	68
129	Virgin olive oil phenolic profile and variability in progenies from olive crosses. <i>Journal of the Science of Food and Agriculture</i> , 2012 , 92, 2524-33	4.3	20
128	Cholesterol oxidation products in milk: Processing formation and determination. <i>European Journal of Lipid Science and Technology</i> , 2012 , 114, 687-694	3	17
127	A pilot study on the DNA-protective, cytotoxic, and apoptosis-inducing properties of olive-leaf extracts. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2011 , 723, 165-70	3	49
126	On-line coupling of automatic solid-phase extraction and HPLC for determination of carotenoids in serum. <i>Talanta</i> , 2011 , 85, 1842-7	6.2	11
125	Cosmetobolomics as an incipient Ebmics with high analytical involvement. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1365-1371	14.6	6
124	Influence of deep frying on the unsaponifiable fraction of vegetable edible oils enriched with natural antioxidants. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 7194-202	5.7	14
123	Quality and stability of edible oils enriched with hydrophilic antioxidants from the olive tree: the role of enrichment extracts and lipid composition. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 11432-41	5.7	32
122	Glyphosate tolerance by <i>Clitoria ternatea</i> and <i>Neonotonia wightii</i> plants involves differential absorption and translocation of the herbicide. <i>Plant and Soil</i> , 2011 , 347, 221-230	4.2	34
121	Automated targeting analysis of eicosanoid inflammation biomarkers in human serum and in the exometabolome of stem cells by SPE-LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 1093-1103	4.4	41

120	Bioaccumulation assessment of the sunscreen agent 2-ethylhexyl 4-(N,N-dimethylamino)benzoate in human semen by automated online SPE-LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 1003-11	4.4	12
119	Oil Content and Fatty Acid Profile of Spanish Cultivars During Olive Fruit Ripening. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2011 , 88, 1737-1745	1.8	22
118	Fast ultrasound-assisted extraction of polar (phenols) and nonpolar (lipids) fractions in <i>Heterotheca inuloides</i> Cass. <i>Phytochemical Analysis</i> , 2011 , 22, 484-91	3.4	13
117	Hydrophilic antioxidants of virgin olive oil. Part 1: Hydrophilic phenols: A key factor for virgin olive oil quality. <i>European Journal of Lipid Science and Technology</i> , 2011 , 113, 678-691	3	46
116	Hydrophilic antioxidants of virgin olive oil. Part 2: Biosynthesis and biotransformation of phenolic compounds in virgin olive oil as affected by agronomic and processing factors. <i>European Journal of Lipid Science and Technology</i> , 2011 , 113, 692-707	3	58
115	Targeting metabolomics analysis of the sunscreen agent 2-ethylhexyl 4-(N,N-dimethylamino)benzoate in human urine by automated on-line solid-phase extraction-liquid chromatography-tandem mass spectrometry with liquid chromatography-time-of-flight/mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 1189-95	4.5	18
114	The role of ultrasound in analytical derivatizations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 1189-95	3.2	19
113	Qualitative and quantitative sugar profiling in olive fruits, leaves, and stems by gas chromatography-tandem mass spectrometry (GC-MS/MS) after ultrasound-assisted leaching. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 12292-9	5.7	50
112	Characterization of fatty alcohol and sterol fractions in olive tree. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 7539-46	5.7	9
111	Low-Level Determination of Organochlorine Pesticides in Wines by Automatic Preconcentration and GC/MS/MS Detection. <i>Chromatographia</i> , 2010 , 71, 899-905	2.1	16
110	Fatty Acid Profiling of the Main Tissues of Spanish Olive Fruit: Effect of the Oil Extraction Method. <i>JAACS, Journal of the American Oil Chemists Society</i> , 2010 , 87, 1413-1423	1.8	6
109	Determination of glyphosate and its metabolites in plant material by reversed-polarity CE with indirect absorptiometric detection. <i>Electrophoresis</i> , 2010 , 31, 1423-30	3.6	52
108	Soxhlet extraction: Past and present panacea. <i>Journal of Chromatography A</i> , 2010 , 1217, 2383-9	4.5	362
107	Ultrasound-assisted extraction and derivatization of sterols and fatty alcohols from olive leaves and drupes prior to determination by gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 1227-35	4.5	54
106	Temporal metabolomic analysis of o-glucoside phenolic compounds and their aglycone forms in olive tree and derived materials. <i>Phytochemical Analysis</i> , 2009 , 20, 221-30	3.4	19
105	The dual trend in histatins research. <i>TrAC - Trends in Analytical Chemistry</i> , 2009 , 28, 1011-1018	14.6	6
104	Flow injection analysis-based methodology for automatic on-line monitoring and quality control for biodiesel production. <i>Bioresource Technology</i> , 2009 , 100, 421-7	11	18
103	Automated determination of mercury and arsenic in extracts from ancient papers by integration of solid-phase extraction and energy dispersive X-ray fluorescence detection using a lab-on-valve system. <i>Analytica Chimica Acta</i> , 2009 , 652, 148-53	6.6	31

102	Dependence of fatty-acid composition of edible oils on their enrichment in olive phenols. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 2797-802	5.7	20
101	Solid-liquid transfer of biophenols from olive leaves for the enrichment of edible oils by a dynamic ultrasound-assisted approach. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 7231-5	5.7	31
100	Membrane-Based Separation Techniques: Dialysis, Gas Diffusion and Pervaporation. <i>Comprehensive Analytical Chemistry</i> , 2008 , 203-234	1.9	11
99	Static-dynamic sequential superheated liquid extraction of phenols and fatty acids from alperujo. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 392, 1241-8	4.4	19
98	Liquid chromatography/triple quadrupole tandem mass spectrometry with multiple reaction monitoring for optimal selection of transitions to evaluate nutraceuticals from olive-tree materials. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 855-64	2.2	27
97	Lab-on-valve for the automatic determination of the total content and individual profiles of linear alkylbenzene sulfonates in water samples. <i>Electrophoresis</i> , 2008 , 29, 590-6	3.6	10
96	Continuous filtration as a separation technique. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 101-107	14.6	7
95	Lab-on-valve: a useful tool in biochemical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2008 , 27, 118-126	14.6	49
94	Role of lees in wine production: A review. <i>Food Chemistry</i> , 2008 , 111, 447-56	8.5	151
93	Static-dynamic superheated liquid extraction of hydroxytyrosol and other biophenols from alperujo (a semisolid residue of the olive oil industry). <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 3629-34	5.7	36
92	On-line automatic SPE-CE coupling for the determination of biological markers in urine. <i>Electrophoresis</i> , 2007 , 28, 789-98	3.6	29
91	On-line preparation of microsamples prior to CE. <i>Electrophoresis</i> , 2007 , 28, 1214-20	3.6	10
90	Ultrasound-assisted crystallization (sonocrystallization). <i>Ultrasonics Sonochemistry</i> , 2007 , 14, 717-24	8.9	436
89	Lesser known ultrasound-assisted heterogeneous sample-preparation procedures. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 154-162	14.6	26
88	Lycopene: The need for better methods for characterization and determination. <i>TrAC - Trends in Analytical Chemistry</i> , 2007 , 26, 163-170	14.6	52
87	Determination of phenolic compounds in grape skin by capillary electrophoresis with simultaneous dual fluorescence and diode array absorption detection after dynamic superheated liquid leaching. <i>Journal of Chromatography A</i> , 2007 , 1139, 301-7	4.5	16
86	In-column micro-high-performance liquid chromatographic concentration-separation prior to ultraviolet detection for the determination of chlorophenols in water samples. <i>Journal of Chromatography A</i> , 2007 , 1174, 78-84	4.5	11
85	Ultrasound assistance to liquid-liquid extraction: a debatable analytical tool. <i>Analytica Chimica Acta</i> , 2007 , 583, 2-9	6.6	56

84	Flow-injection interface for on-line coupling solid-phase extraction and X-ray fluorescence measurements. <i>Analytica Chimica Acta</i> , 2007 , 594, 69-74	6.6	6
83	Identification and quantification of trans fatty acids in bakery products by gas chromatography-mass spectrometry after focused microwave Soxhlet extraction. <i>Food Chemistry</i> , 2007 , 100, 859-867	8.5	43
82	Identification and determination of fat-soluble vitamins and metabolites in human serum by liquid chromatography/triple quadrupole mass spectrometry with multiple reaction monitoring. <i>Rapid Communications in Mass Spectrometry</i> , 2007 , 21, 1745-54	2.2	74
81	Focused microwave-assisted Soxhlet extraction of acorn oil for determination of the fatty acid profile by GC-MS. Comparison with conventional and standard methods. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 451-62	4.4	26
80	Integrated sorption-energy-dispersive X-ray fluorescence detection for automatic determination of lead and cadmium in low-concentration solutions. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 389, 1541-4	4.4	15
79	Ultrasound-assisted preparation of liquid samples. <i>Talanta</i> , 2007 , 72, 321-34	6.2	121
78	Multivariate optimisation of the microwave-assisted extraction of oleuropein and related biophenols from olive leaves. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 753-9	4.4	95
77	FT-midIR determination of fatty acid profiles, including trans fatty acids, in bakery products after focused microwave-assisted Soxhlet extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 1532-7	4.4	10
76	Gas chromatography-electron capture detection determination of Dacthal and its di-acid metabolite in soil after ultrasound-assisted extraction and in situ focused microwave-assisted derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 386, 341-5	4.4	10
75	Extraction of polyphenols from vine shoots of <i>Vitis vinifera</i> by superheated ethanol-water mixtures. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 8775-81	5.7	63
74	Sensitivity and specificity of PLS-class modelling for five sensory characteristics of dry-cured ham using visible and near infrared spectroscopy. <i>Analytica Chimica Acta</i> , 2006 , 558, 125-131	6.6	70
73	Dynamic ultrasound-assisted extraction of oleuropein and related biophenols from olive leaves. <i>Journal of Chromatography A</i> , 2006 , 1108, 76-82	4.5	187
72	Pervaporation as interface between solid samples and capillary electrophoresis. Determination of biogenic amines in food. <i>Journal of Chromatography A</i> , 2006 , 1110, 245-53	4.5	33
71	Relationships of genotype and slaughter time with the appearance and texture of dry-cured hams. <i>Food Chemistry</i> , 2006 , 94, 271-277	8.5	11
70	Ultraviolet-visible spectroscopy and pattern recognition methods for differentiation and classification of wines. <i>Food Chemistry</i> , 2006 , 97, 166-175	8.5	86
69	Coupling microdialysis to capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , 2006 , 25, 563-571	4.6	17
68	Comparison and joint use of near infrared spectroscopy and Fourier transform mid infrared spectroscopy for the determination of wine parameters. <i>Talanta</i> , 2005 , 66, 218-24	6.2	85
67	Extraction of fatty acids from grape seed by superheated hexane. <i>Talanta</i> , 2005 , 68, 126-30	6.2	61

66	Analytical Methods in Wineries: Is It Time to Change?. <i>Food Reviews International</i> , 2005 , 21, 231-265	5.5	23
65	A fully automated method for in real time determination of laccase activity in wines. <i>Analytica Chimica Acta</i> , 2005 , 553, 99-104	6.6	16
64	Sequential Automated Focused Microwave-Assisted Soxhlet Extraction of Compounds with Different Polarity from Marine Sediments Prior to Gas Chromatography Mass Spectrometry Detection. <i>Chromatographia</i> , 2005 , 62, 69-74	2.1	13
63	Determination of B2 and B6 vitamers in serum by capillary electrophoresis-molecular fluorescence-charge coupled detector. <i>Electrophoresis</i> , 2005 , 26, 2376-83	3.6	14
62	On-line pervaporation-capillary electrophoresis for the determination of volatile acidity and free sulfur dioxide in wines. <i>Electrophoresis</i> , 2005 , 26, 2231-8	3.6	6
61	Dual-opposite injection capillary electrophoresis for the determination of anionic and cationic homologous surfactants in a single run. <i>Electrophoresis</i> , 2005 , 26, 2283-92	3.6	12
60	Study of spectral analytical data using fingerprints and scaled similarity measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 381, 953-63	4.4	16
59	Fast separation and determination of phenolic compounds by capillary electrophoresis-diode array detection. Application to the characterisation of alperujo after ultrasound-assisted extraction. <i>Journal of Chromatography A</i> , 2004 , 1045, 239-46	4.5	60
58	Determination of the oxidative stability of olive oil, using focused-microwave energy to accelerate the oxidation process. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 479-83	4.4	27
57	Ultrasound-assisted extraction for the analysis of phenolic compounds in strawberries. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 379, 1106-12	4.4	60
56	Use of near infrared spectroscopy in a study of binding media used in paintings. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 380, 706-11	4.4	32
55	Trigger-based concurrent control system for automating analytical processes. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 370-384	14.6	2
54	Dual injection capillary electrophoresis: foundations and applications. <i>Electrophoresis</i> , 2004 , 25, 4074-85	3.6	21
53	Analytical uses of ultrasound I. Sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 644-653	14.6	126
52	Analytical uses of ultrasound: II. Detectors and detection techniques. <i>TrAC - Trends in Analytical Chemistry</i> , 2004 , 23, 829-838	14.6	28
51	Use of superheated liquids for the extraction of non-volatile compounds from wood: liquid chromatography studies. <i>Journal of Chromatography A</i> , 2004 , 1038, 3-9	4.5	11
50	Fast method for the determination of total fat and trans fatty-acids content in bakery products based on microwave-assisted Soxhlet extraction and medium infrared spectroscopy detection. <i>Analytica Chimica Acta</i> , 2004 , 517, 13-20	6.6	39
49	Near infrared reflectance spectroscopy and multivariate analysis in enology: Determination or screening of fifteen parameters in different types of wines. <i>Analytica Chimica Acta</i> , 2004 , 527, 81-88	6.6	84

48	Pressurised liquid-liquid extraction. An approach to the removal of inorganic non-metal species from used industrial oils. <i>Chemosphere</i> , 2004 , 56, 943-7	8.4	9
47	Demetalization of oils resulting from recycled tires by liquid-liquid extraction using modified superheated water An environmentally friendly approach. <i>Talanta</i> , 2004 , 63, 391-6	6.2	7
46	Optimization of the drying step for preparing a new commercial powdered soup. <i>Innovative Food Science and Emerging Technologies</i> , 2004 , 5, 361-368	6.8	19
45	Relationship between pH before salting and dry-cured ham quality. <i>Meat Science</i> , 2004 , 67, 625-32	6.4	44
44	Automated method for the determination of fat-soluble vitamins in serum. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2004 , 89-90, 473-7	5.1	26
43	Superheated water extraction of cholesterol from solid food. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 375, 437-42	4.4	5
42	New methods for acceleration of meat sample preparation prior to determination of the metal content by atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 316-21	4.4	21
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