

# Mara Dolores Luque de Castro

## List of Publications by Citations

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191  
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69  
g-index

195  
ext. papers

7,125  
ext. citations

5.7  
avg, IF

6.22  
L-index

#	Paper	IF	Citations
191	Ultrasound-assisted crystallization (sonocrystallization). <i>Ultrasonics Sonochemistry</i> , <b>2007</b> , 14, 717-24	8.9	436
190	Soxhlet extraction: Past and present panacea. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 2383-9	4.5	362
189	Dynamic ultrasound-assisted extraction of oleuropein and related biophenols from olive leaves. <i>Journal of Chromatography A</i> , <b>2006</b> , 1108, 76-82	4.5	187
188	Role of lees in wine production: A review. <i>Food Chemistry</i> , <b>2008</b> , 111, 447-56	8.5	151
187	Continuous subcritical water extraction as a useful tool for isolation of edible essential oils. <i>Food Chemistry</i> , <b>2001</b> , 75, 109-113	8.5	149
186	Continuous subcritical water extraction of medicinal plant essential oil: comparison with conventional techniques. <i>Talanta</i> , <b>2000</b> , 51, 1179-85	6.2	129
185	Analytical uses of ultrasound I. Sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 644-653	14.6	126
184	Ultrasound-assisted preparation of liquid samples. <i>Talanta</i> , <b>2007</b> , 72, 321-34	6.2	121
183	Comparison of continuous subcritical water extraction and hydrodistillation of marjoram essential oil. <i>Journal of Chromatography A</i> , <b>1999</b> , 855, 625-32	4.5	120
182	Pool of resistance mechanisms to glyphosate in <i>Digitaria insularis</i> . <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 615-22	5.7	101
181	Multivariate optimisation of the microwave-assisted extraction of oleuropein and related biophenols from olive leaves. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 385, 753-9	4.4	95
180	A review on enzyme and ultrasound: A controversial but fruitful relationship. <i>Analytica Chimica Acta</i> , <b>2015</b> , 889, 1-21	6.6	90
179	Ultraviolet-visible spectroscopy and pattern recognition methods for differentiation and classification of wines. <i>Food Chemistry</i> , <b>2006</b> , 97, 166-175	8.5	86
178	Comparison and joint use of near infrared spectroscopy and Fourier transform mid infrared spectroscopy for the determination of wine parameters. <i>Talanta</i> , <b>2005</b> , 66, 218-24	6.2	85
177	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> , <b>2004</b> , 527, 81-88	6.6	84
176	Where is microwave-based analytical equipment for solid sample pre-treatment going?. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2003</b> , 22, 90-98	14.6	83
175	Preparation of urine samples prior to targeted or untargeted metabolomics mass-spectrometry analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2012</b> , 41, 75-85	14.6	81

174	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> , <b>2007</b> , 21, 1745-54	2.2	74
173	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> , <b>2006</b> , 558, 125-131	6.6	70
172	Comparison of accelerated methods for the extraction of phenolic compounds from different vine-shoot cultivars. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 3051-60	5.7	68
171	Human sweat metabolomics for lung cancer screening. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 5381-92	4.4	67
170	Extraction of polyphenols from vine shoots of <i>Vitis vinifera</i> by superheated ethanol-water mixtures. <i>Journal of Agricultural and Food Chemistry</i> , <b>2006</b> , 54, 8775-81	5.7	63
169	Extraction of fatty acids from grape seed by superheated hexane. <i>Talanta</i> , <b>2005</b> , 68, 126-30	6.2	61
168	Two non-target mechanisms are involved in glyphosate-resistant horseweed ( <i>Conyza canadensis</i> L. Cronq.) biotypes. <i>Journal of Plant Physiology</i> , <b>2012</b> , 169, 1673-9	3.6	60
167	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> , <b>2004</b> , 1045, 239-46	4.5	60
166	Ultrasound-assisted extraction for the analysis of phenolic compounds in strawberries. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 379, 1106-12	4.4	60
165	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> , <b>2011</b> , 113, 692-707	3	58
164	Potential of residues from the Mediterranean agriculture and agrifood industry. <i>Trends in Food Science and Technology</i> , <b>2013</b> , 32, 16-24	15.3	56
163	Ultrasound assistance to liquid-liquid extraction: a debatable analytical tool. <i>Analytica Chimica Acta</i> , <b>2007</b> , 583, 2-9	6.6	56
162	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> , <b>2012</b> , 60, 11542-50	5.7	55
161	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> , <b>2010</b> , 1217, 1227-35	4.5	54
160	Determination of glyphosate and its metabolites in plant material by reversed-polarity CE with indirect absorptiometric detection. <i>Electrophoresis</i> , <b>2010</b> , 31, 1423-30	3.6	52
159	Lycopene: The need for better methods for characterization and determination. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2007</b> , 26, 163-170	14.6	52
158	Optimization study for metabolomics analysis of human sweat by liquid chromatography-tandem mass spectrometry in high resolution mode. <i>Journal of Chromatography A</i> , <b>2014</b> , 1333, 70-8	4.5	51
157	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> , <b>2010</b> , 58, 12292-9	5.7	50

156	Towards a comprehensive exploitation of citrus. <i>Trends in Food Science and Technology</i> , <b>2014</b> , 39, 63-75	15.3	49
155	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> , <b>2011</b> , 723, 165-70	3	49
154	Lab-on-valve: a useful tool in biochemical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2008</b> , 27, 118-126	4.6	49
153	Static-dynamic pressurized hot water extraction coupled to on-line filtration-solid-phase extraction-high-performance liquid chromatography-post-column derivatization-fluorescence detection for the analysis of N-methylcarbamates in foods. <i>Analytica Chimica Acta</i> , <b>2002</b> , 463, 189-197	6.6	48
152	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> , <b>2017</b> , 80, 98-105	5.4	47
151	Limited uptake, translocation and enhanced metabolic degradation contribute to glyphosate tolerance in <i>Mucuna pruriens</i> var. utilis plants. <i>Phytochemistry</i> , <b>2012</b> , 73, 34-41	4	46
150	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> , <b>2011</b> , 113, 678-691	3	46
149	Micelle formation for improvement of continuous subcritical water extraction of polycyclic aromatic hydrocarbons in soil prior to high-performance liquid chromatography-fluorescence detection. <i>Journal of Chromatography A</i> , <b>2000</b> , 902, 357-67	4.5	45
148	Relationship between pH before salting and dry-cured ham quality. <i>Meat Science</i> , <b>2004</b> , 67, 625-32	6.4	44
147	Identification and quantification of trans fatty acids in bakery products by gas chromatography-mass spectrometry after focused microwave Soxhlet extraction. <i>Food Chemistry</i> , <b>2007</b> , 100, 859-867	8.5	43
146	Rapid analytical method for the determination of pesticide residues in sunflower seeds based on focused microwave-assisted Soxhlet extraction prior to gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2003</b> , 993, 121-9	4.5	43
145	Rank correlation of laser-induced breakdown spectroscopic data for the identification of alloys used in jewelry manufacture. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , <b>2003</b> , 58, 1291-1299	3.1	43
144	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> , <b>2011</b> , 399, 1093-103	4.4	41
143	Present and foreseeable future of metabolomics in forensic analysis. <i>Analytica Chimica Acta</i> , <b>2016</b> , 925, 1-15	6.6	40
142	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> , <b>2004</b> , 517, 13-20	6.6	39
141	The role of ultrasound in pharmaceutical production: sonocrystallization. <i>Journal of Pharmacy and Pharmacology</i> , <b>2016</b> , 68, 1249-67	4.8	37
140	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> , <b>2007</b> , 55, 3629-34	5.7	36
139	Flow-through (bio)chemical sensors-Benary lecture. <i>Analyst, The</i> , <b>1993</b> , 118, 593-600	5	36

138	Determination of sulphide in liquid and solid samples by integrated pervaporation-potentiometric detection. <i>Analytica Chimica Acta</i> , <b>2001</b> , 436, 301-307	6.6	35
137	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> , <b>2011</b> , 347, 221-230	4.2	34
136	Pervaporation as interface between solid samples and capillary electrophoresis. Determination of biogenic amines in food. <i>Journal of Chromatography A</i> , <b>2006</b> , 1110, 245-53	4.5	33
135	Flow injection manifolds for liquid-liquid extraction without phase separation assisted by ultrasound. <i>Analytica Chimica Acta</i> , <b>2003</b> , 489, 1-11	6.6	33
134	Determination of selenium in nutritional supplements and shampoos by flow injection-hydride generation-atomic fluorescence spectrometry. <i>Talanta</i> , <b>1999</b> , 50, 875-80	6.2	33
133	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> , <b>2011</b> , 59, 11432-41	5.7	32
132	Use of near infrared spectroscopy in a study of binding media used in paintings. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 380, 706-11	4.4	32
131	Establishing compositional differences between fresh and black garlic by a metabolomics approach based on LC-TOF MS/MS analysis. <i>Journal of Food Composition and Analysis</i> , <b>2017</b> , 62, 155-163	4.1	31
130	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> , <b>2009</b> , 652, 148-53	6.6	31
129	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> , <b>2008</b> , 56, 7231-5	5.7	31
128	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> , <b>2016</b> , 905, 115-25	6.6	30
127	Ultrasound: a subexploited tool for sample preparation in metabolomics. <i>Analytica Chimica Acta</i> , <b>2014</b> , 806, 74-84	6.6	30
126	On-line automatic SPE-CE coupling for the determination of biological markers in urine. <i>Electrophoresis</i> , <b>2007</b> , 28, 789-98	3.6	29
125	Laser-induced breakdown spectrometry in jewellery industry. Part II: quantitative characterisation of goldfilled interface. <i>Talanta</i> , <b>2003</b> , 59, 409-15	6.2	29
124	Analytical uses of ultrasound: II. Detectors and detection techniques. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 829-838	14.6	28
123	Determination of phenol in water by pervaporation-flow injection analysis. <i>Analytica Chimica Acta</i> , <b>2000</b> , 419, 9-16	6.6	28
122	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> , <b>2014</b> , 91, 131-7	3.5	27
121	Ultrasound-assisted analytical emulsification-extraction. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 45, 1-13	14.6	27

120	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> , <b>2008</b> , 22, 855-64	2.2	27
119	Determination of the oxidative stability of olive oil, using focused-microwave energy to accelerate the oxidation process. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 479-83	4.4	27
118	Lesser known ultrasound-assisted heterogeneous sample-preparation procedures. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2007</b> , 26, 154-162	14.6	26
117	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> , <b>2007</b> , 388, 451-62	4.4	26
116	Automated method for the determination of fat-soluble vitamins in serum. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2004</b> , 89-90, 473-7	5.1	26
115	Development and application of a quantitative method for determination of flavonoids in orange peel: Influence of sample pretreatment on composition. <i>Talanta</i> , <b>2015</b> , 144, 349-55	6.2	25
114	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> , <b>2013</b> , 31, 455-60	2.9	25
113	Ultrasound-assisted continuous liquid-liquid extraction without phase separation and hydrolysis of paracetamol in suppositories. <i>Analytica Chimica Acta</i> , <b>2003</b> , 489, 223-232	6.6	25
112	Comparative Study of the Effect of Sample Pretreatment and Extraction on the Determination of Flavonoids from Lemon (Citrus limon). <i>PLoS ONE</i> , <b>2016</b> , 11, e0148056	3.7	25
111	Capillary electrophoresis and herbicide analysis: present and future perspectives. <i>Electrophoresis</i> , <b>2014</b> , 35, 2509-19	3.6	24
110	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> , <b>2016</b> , 24, 403-419	5.1	24
109	Ultrasound-assisted extraction and in situ derivatization. <i>Journal of Chromatography A</i> , <b>2013</b> , 1296, 226-245	3.5	23
108	Analytical Methods in Wineries: Is It Time to Change?. <i>Food Reviews International</i> , <b>2005</b> , 21, 231-265	5.5	23
107	Three-dimensional analysis of screen-printed electrodes by laser induced breakdown spectrometry and pattern recognition. <i>Analytica Chimica Acta</i> , <b>2001</b> , 435, 227-238	6.6	23
106	Oil Content and Fatty Acid Profile of Spanish Cultivars During Olive Fruit Ripening. <i>JAOCs, Journal of the American Oil Chemists Society</i> , <b>2011</b> , 88, 1737-1745	1.8	22
105	On-line Flow Injection-Permeation of Beer Samples for the Determination of Diacetyl. <i>Analyst</i> , <b>1997</b> , 122, 119-122	5	22
104	Static extraction with modified pressurized liquid and on-line fluorescence monitoring. Independent matrix approach for the removal of polycyclic aromatic hydrocarbons from environmental solid samples. <i>Journal of Chromatography A</i> , <b>2002</b> , 978, 49-57	4.5	22
103	Focused microwave-assisted Soxhlet extraction: an expeditive approach for the isolation of lipids from sausage products. <i>Food Chemistry</i> , <b>2003</b> , 83, 143-149	8.5	22

102	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> , <b>2013</b> , 74, 178-85	3.5	21
101	Dual injection capillary electrophoresis: foundations and applications. <i>Electrophoresis</i> , <b>2004</b> , 25, 4074-85	3.6	21
100	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> , <b>2003</b> , 377, 316-21	4.4	21
99	HS-GC/MS volatile profile of different varieties of garlic and their behavior under heating. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 3843-52	4.4	21
98	Virgin olive oil phenolic profile and variability in progenies from olive crosses. <i>Journal of the Science of Food and Agriculture</i> , <b>2012</b> , 92, 2524-33	4.3	20
97	Dependence of fatty-acid composition of edible oils on their enrichment in olive phenols. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 2797-802	5.7	20
96	Determination of vitamin D3 metabolites: state-of-the-art and trends. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>1999</b> , 20, 1-17	3.5	20
95	Recent advances in human sweat metabolomics for lung cancer screening. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	19
94	Temporal metabolomic analysis of o-glucoside phenolic compounds and their aglycone forms in olive tree and derived materials. <i>Phytochemical Analysis</i> , <b>2009</b> , 20, 221-30	3.4	19
93	The role of ultrasound in analytical derivatizations. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2011</b> , 879, 1189-95	3.2	19
92	Static-dynamic sequential superheated liquid extraction of phenols and fatty acids from alperujo. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 392, 1241-8	4.4	19
91	Pervaporation-gas chromatography coupling for slurry samples. Determination of acetaldehyde and acetone in food. <i>Journal of Chromatography A</i> , <b>2002</b> , 976, 399-407	4.5	19
90	Optimization of the drying step for preparing a new commercial powdered soup. <i>Innovative Food Science and Emerging Technologies</i> , <b>2004</b> , 5, 361-368	6.8	19
89	Determination of biotin in foodstuffs and pharmaceutical preparations using a biosensing system based on the streptavidinBiotin interaction. <i>Analytica Chimica Acta</i> , <b>2001</b> , 436, 109-117	6.6	19
88	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> , <b>2014</b> , 1371, 154-62	4.5	18
87	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> , <b>2015</b> , 879, 69-76	6.6	18
86	Comparison of extraction methods for exploitation of grape skin residues from ethanol distillation. <i>Talanta</i> , <b>2012</b> , 101, 292-8	6.2	18
85	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 confirmation. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 3013-21	4.5	18

84	Flow injection analysis-based methodology for automatic on-line monitoring and quality control for biodiesel production. <i>Bioresource Technology</i> , <b>2009</b> , 100, 421-7	11	18
83	Determination of the major elements in homogeneous and heterogeneous samples by tandem laser-induced breakdown spectroscopy-partial least square regression. <i>Microchemical Journal</i> , <b>2002</b> , 73, 355-362	4.8	18
82	Determination of ammonia in beers by pervaporation flow injection analysis and spectrophotometric detection. <i>Talanta</i> , <b>2003</b> , 60, 1269-75	6.2	18
81	Cholesterol oxidation products in milk: Processing formation and determination. <i>European Journal of Lipid Science and Technology</i> , <b>2012</b> , 114, 687-694	3	17
80	Coupling microdialysis to capillary electrophoresis. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 563-571	4.6	17
79	Pervaporation: a useful tool in food analysis. <i>Food Chemistry</i> , <b>2000</b> , 68, 387-394	8.5	17
78	Selective ultrasound-enhanced enzymatic hydrolysis of oleuropein to its aglycon in olive ( <i>Olea europaea</i> L.) leaf extracts. <i>Food Chemistry</i> , <b>2017</b> , 220, 282-288	8.5	16
77	Automated method for determination of olive oil phenols and metabolites in human plasma and application in intervention studies. <i>Journal of Chromatography A</i> , <b>2012</b> , 1258, 108-16	4.5	16
76	Low-Level Determination of Organochlorine Pesticides in Wines by Automatic Preconcentration and GC/MS/MS Detection. <i>Chromatographia</i> , <b>2010</b> , 71, 899-905	2.1	16
75	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> , <b>2007</b> , 1139, 301-7	4.5	16
74	A fully automated method for in real time determination of laccase activity in wines. <i>Analytica Chimica Acta</i> , <b>2005</b> , 553, 99-104	6.6	16
73	Study of spectral analytical data using fingerprints and scaled similarity measurements. <i>Analytical and Bioanalytical Chemistry</i> , <b>2005</b> , 381, 953-63	4.4	16
72	Selective inhibition-based biosensing system for the determination of pesticides in environmental samples using analytical pervaporation coupled with enzymatic derivatisation. <i>Analytica Chimica Acta</i> , <b>2000</b> , 408, 209-216	6.6	16
71	Effect of sample pretreatment on the extraction of lemon ( <i>Citrus limon</i> ) components. <i>Talanta</i> , <b>2016</b> , 153, 386-91	6.2	15
70	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> , <b>2013</b> , 766, 69-76	6.6	15
69	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> , <b>2012</b> , 60, 3409-17	5.7	15
68	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> , <b>2007</b> , 389, 1541-4	4.7	15
67	Propelling devices: the heart of flow injection approaches. <i>Analytica Chimica Acta</i> , <b>2002</b> , 461, 169-180	6.6	15



66	Influence of deep frying on the unsaponifiable fraction of vegetable edible oils enriched with natural antioxidants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 7194-202	5.7	14
65	Determination of B2 and B6 vitamins in serum by capillary electrophoresis-molecular fluorescence-charge coupled detector. <i>Electrophoresis</i> , <b>2005</b> , 26, 2376-83	3.6	14
64	Integrated pervaporation/detection for the determination of fluoride in pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2000</b> , 22, 909-13	3.5	14
63	Fast ultrasound-assisted extraction of polar (phenols) and nonpolar (lipids) fractions in <i>Heterotheca inuloides</i> Cass. <i>Phytochemical Analysis</i> , <b>2011</b> , 22, 484-91	3.4	13
62	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> , <b>2005</b> , 62, 69-74	2.1	13
61	Comparative study of the effect of auxiliary energies on the extraction of Citrus fruit components. <i>Talanta</i> , <b>2015</b> , 144, 522-8	6.2	12
60	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> , <b>2014</b> , 94, 3100-9	4.3	12
59	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> , <b>2011</b> , 401, 1003-11	4.4	12
58	Dual-opposite injection capillary electrophoresis for the determination of anionic and cationic homologous surfactants in a single run. <i>Electrophoresis</i> , <b>2005</b> , 26, 2283-92	3.6	12
57	Metabolomics: A potential way to know the role of vitamin D on multiple sclerosis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 136, 22-31	3.5	11
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53	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> , <b>2007</b> , 1174, 78-84	4.5	11
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51	Use of superheated liquids for the extraction of non-volatile compounds from wood: liquid chromatography studies. <i>Journal of Chromatography A</i> , <b>2004</b> , 1038, 3-9	4.5	11
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41	Enhancing detection coverage in untargeted metabolomics analysis by solid-phase extraction on-line coupled to LC-MS/MS. <i>Electrophoresis</i> , <b>2015</b> , 36, 2179-2187	3.6	9
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