

# Feliciano Priego-Capote

## List of Publications by Citations

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212  
papers

5,528  
citations

37  
h-index

61  
g-index

220  
ext. papers

6,254  
ext. citations

5.4  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
212	Ultrasound-assisted crystallization (sonocrystallization). <i>Ultrasonics Sonochemistry</i> , <b>2007</b> , 14, 717-24	8.9	436
211	Soxhlet extraction: Past and present panacea. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 2383-9	4.5	362
210	Analytical uses of ultrasound I. Sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2004</b> , 23, 644-654	6.6	126
209	Ultrasound-assisted preparation of liquid samples. <i>Talanta</i> , <b>2007</b> , 72, 321-34	6.2	121
208	Metabolomics analysis II. Preparation of biological samples prior to detection. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 120-127	14.6	116
207	Monoclonal behavior of molecularly imprinted polymer nanoparticles in capillary electrochromatography. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 2881-7	7.8	107
206	Metabolomics analysis I. Selection of biological samples and practical aspects preceding sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2010</b> , 29, 111-119	14.6	94
205	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
204	Fast and selective determination of triterpenic compounds in olive leaves by liquid chromatography-tandem mass spectrometry with multiple reaction monitoring after microwave-assisted extraction. <i>Talanta</i> , <b>2009</b> , 78, 40-8	6.2	71
203	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
202	Ultrasound in analytical chemistry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 387, 249-57	4.4	68
201	Human sweat metabolomics for lung cancer screening. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 5381-92	4.4	67
200	Ultrasound-assisted extraction and silylation prior to gas chromatography-mass spectrometry for the characterization of the triterpenic fraction in olive leaves. <i>Journal of Chromatography A</i> , <b>2007</b> , 1165, 158-65	4.5	65
199	Glycation isotopic labeling with <sup>13</sup> C-reducing sugars for quantitative analysis of glycated proteins in human plasma. <i>Molecular and Cellular Proteomics</i> , <b>2010</b> , 9, 579-92	7.6	64
198	Ultrasound-assisted digestion: a useful alternative in sample preparation. <i>Journal of Proteomics</i> , <b>2007</b> , 70, 299-310		61
197	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
196	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

195	Ultrasound assistance to liquid-liquid extraction: a debatable analytical tool. <i>Analytica Chimica Acta</i> , <b>2007</b> , 583, 2-9	6.6	56
194	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
193	Glucotoxicity and pancreatic proteomics. <i>Journal of Proteomics</i> , <b>2009</b> , 71, 576-91	3.9	55
192	Determination of the ubiquinol-10 and ubiquinone-10 (coenzyme Q10) in human serum by liquid chromatography tandem mass spectrometry to evaluate the oxidative stress. <i>Journal of Chromatography A</i> , <b>2007</b> , 1175, 242-8	4.5	55
191	Sequential (step-by-step) detection, identification and quantitation of extra virgin olive oil adulteration by chemometric treatment of chromatographic profiles. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 388, 1859-65	4.4	53
190	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
189	Ultrasound-assisted levitation: Lab-on-a-drop. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2006</b> , 25, 856-867	14.6	51
188	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
187	Simultaneous ultrasound-assisted emulsification-extraction of polar and nonpolar compounds from solid plant samples. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 6767-74	7.8	49
186	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
185	Quality of olives: A focus on agricultural preharvest factors. <i>Scientia Horticulturae</i> , <b>2018</b> , 233, 491-509	4.1	46
184	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
183	Quantitative method for determination of oleocanthal and oleacein in virgin olive oils by liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , <b>2017</b> , 162, 24-31	6.2	44
182	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
181	Characterization of monovarietal virgin olive oils by phenols profiling. <i>Talanta</i> , <b>2015</b> , 132, 424-32	6.2	41
180	Comparison of sample preparation approaches for phospholipids profiling in human serum by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2012</b> , 1240, 21-8	4.5	41
179	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, 1093-1103	4.1	41
178	Identification and quantification of trans fatty acids in bakery products by gas chromatography-mass spectrometry after dynamic ultrasound-assisted extraction. <i>Journal of Chromatography A</i> , <b>2004</b> , 1045, 203-10	4.5	41

177	Characterization of lemon ( <i>Citrus limon</i> ) polar extract by liquid chromatography-tandem mass spectrometry in high resolution mode. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 1196-205	2.2	39
176	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
175	Strategies for proteomic analysis of non-enzymatically glycosylated proteins. <i>Mass Spectrometry Reviews</i> , <b>2009</b> , 28, 135-46	11	37
174	The phenolic profile of virgin olive oil is influenced by malaxation conditions and determines the oxidative stability. <i>Food Chemistry</i> , <b>2020</b> , 314, 126183	8.5	36
173	Cultivar influence on variability in olive oil phenolic profiles determined through an extensive germplasm survey. <i>Food Chemistry</i> , <b>2018</b> , 266, 192-199	8.5	35
172	Characterization of refined edible oils enriched with phenolic extracts from olive leaves and pomace. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 5866-73	5.7	35
171	Enhanced detection and identification in metabolomics by use of LC-MS/MS untargeted analysis in combination with gas-phase fractionation. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 7558-65	7.8	33
170	Early <i>Salmonella</i> Typhimurium infection in pigs disrupts Microbiome composition and functionality principally at the ileum mucosa. <i>Scientific Reports</i> , <b>2018</b> , 8, 7788	4.9	33
169	Study of sample preparation for quantitative analysis of amino acids in human sweat by liquid chromatography-tandem mass spectrometry. <i>Talanta</i> , <b>2016</b> , 146, 310-7	6.2	32
168	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
167	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
166	Metabolomics analysis of human sweat collected after moderate exercise. <i>Talanta</i> , <b>2018</b> , 177, 47-65	6.2	31
165	Influence of the collection tube on metabolomic changes in serum and plasma. <i>Talanta</i> , <b>2016</b> , 150, 681-96.2	9.2	31
164	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
163	Influence of vegetable oil fatty acid composition on ultrasound-assisted synthesis of biodiesel. <i>Fuel</i> , <b>2014</b> , 125, 183-191	7.1	30
162	Study of sample preparation for metabolomic profiling of human saliva by liquid chromatography-time of flight/mass spectrometry. <i>Journal of Chromatography A</i> , <b>2012</b> , 1248, 178-81	4.5	29
161	Automated determination of folate catabolites in human biofluids (urine, breast milk and serum) by on-line SPE-HILIC-MS/MS. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 4688-95	4.5	29
160	Untargeted characterization of extracts from <i>Cannabis sativa</i> L. cultivars by gas and liquid chromatography coupled to mass spectrometry in high resolution mode. <i>Talanta</i> , <b>2020</b> , 208, 120384	6.2	29

159	An approach to the phytochemical profiling of rocket [ <i>Eruca sativa</i> (Mill.) Thell]. <i>Journal of the Science of Food and Agriculture</i> , <b>2013</b> , 93, 3809-19	4.3	28
158	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
157	Study of exhaled breath condensate sample preparation for metabolomics analysis by LC-MS/MS in high resolution mode. <i>Talanta</i> , <b>2015</b> , 144, 1360-9	6.2	27
156	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
155	Characterization of Stevia leaves by LC-QTOF MS/MS analysis of polar and non-polar extracts. <i>Food Chemistry</i> , <b>2017</b> , 219, 329-338	8.5	27
154	Ultrasound-enhanced enzymatic hydrolysis of conjugated female steroids as pretreatment for their analysis by LC-MS/MS in urine. <i>Analyst, The</i> , <b>2009</b> , 134, 1416-22	5	27
153	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
152	Automated fast extraction of nitrated polycyclic aromatic hydrocarbons from soil by focused microwave-assisted Soxhlet extraction prior to gas chromatography--electron-capture detection. <i>Journal of Chromatography A</i> , <b>2003</b> , 994, 159-67	4.5	27
151	Synthesis of biodiesel from castor oil: Silent versus sonicated methylation and energy studies. <i>Energy Conversion and Management</i> , <b>2015</b> , 96, 561-567	10.6	26
150	Identification of metabolomics panels for potential lung cancer screening by analysis of exhaled breath condensate. <i>Journal of Breath Research</i> , <b>2016</b> , 10, 026002	3.1	26
149	Lesser known ultrasound-assisted heterogeneous sample-preparation procedures. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2007</b> , 26, 154-162	14.6	26
148	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
147	Determination of essential amino acids in human serum by a targeting method based on automated SPE-LC-MS/MS: discrimination between arteriosclerotic patients. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2012</b> , 70, 476-84	3.5	25
146	Is dialysis alive as a membrane-based separation technique?. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2008</b> , 27, 315-326	14.6	25
145	Speciation of chromium by in-capillary derivatization and electrophoretically mediated microanalysis. <i>Journal of Chromatography A</i> , <b>2006</b> , 1113, 244-50	4.5	25
144	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
143	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> , <b>2016</b> , 11, e0148056	3.7	25
142	Prostate Cancer Patients-Negative Biopsy Controls Discrimination by Untargeted Metabolomics Analysis of Urine by LC-QTOF: Upstream Information on Other Omics. <i>Scientific Reports</i> , <b>2016</b> , 6, 38243	4.9	25

141	Two-dimensional liquid chromatography coupled to tandem mass spectrometry for vitamin D metabolite profiling including the C3-epimer-25-monohydroxyvitamin D3. <i>Journal of Chromatography A</i> , <b>2016</b> , 1451, 50-57	4.5	25
140	Development of a method for metabolomic analysis of human exhaled breath condensate by gas chromatography-mass spectrometry in high resolution mode. <i>Analytica Chimica Acta</i> , <b>2015</b> , 887, 118-126	6.6	24
139	Influence of sample preparation on lipidomics analysis of polar lipids in adipose tissue. <i>Talanta</i> , <b>2018</b> , 177, 86-93	6.2	24
138	Phenolic profile of virgin olive oil from advanced breeding selections. <i>Spanish Journal of Agricultural Research</i> , <b>2012</b> , 10, 443	1.1	24
137	Gut microbiota steroid sexual dimorphism and its impact on gonadal steroids: influences of obesity and menopausal status. <i>Microbiome</i> , <b>2020</b> , 8, 136	16.6	24
136	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
135	Serum 25-hydroxyvitamin D and breast cancer risk by pathological subtype (MCC-Spain). <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2018</b> , 182, 4-13	5.1	22
134	Metabolomic profiling of human lung tumor tissues - nucleotide metabolism as a candidate for therapeutic interventions and biomarkers. <i>Molecular Oncology</i> , <b>2018</b> , 12, 1778-1796	7.9	22
133	Quantitative analytical method to evaluate the metabolism of vitamin D. <i>Clinica Chimica Acta</i> , <b>2015</b> , 442, 6-12	6.2	22
132	The analytical process to search for metabolomics biomarkers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2018</b> , 147, 341-349	3.5	21
131	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
130	Dual injection capillary electrophoresis: foundations and applications. <i>Electrophoresis</i> , <b>2004</b> , 25, 4074-85	3.6	21
129	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
128	Study of sample preparation for determination of endocannabinoids and analogous compounds in human serum by LC-MS/MS in MRM mode. <i>Talanta</i> , <b>2018</b> , 185, 602-610	6.2	20
127	Metabolomics analysis of exhaled breath condensate for discrimination between lung cancer patients and risk factor individuals. <i>Journal of Breath Research</i> , <b>2016</b> , 10, 016011	3.1	20
126	Biodiesel synthesis from saturated and unsaturated oils assisted by the combination of ultrasound, agitation and heating. <i>Fuel</i> , <b>2014</b> , 131, 6-16	7.1	20
125	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
124	Influence of simulated deep frying on the antioxidant fraction of vegetable oils after enrichment with extracts from olive oil pomace. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 9806-14	5.7	20

123	Recent advances in human sweat metabolomics for lung cancer screening. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	19
122	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
121	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
120	MSCombine: a tool for merging untargeted metabolomic data from high-resolution mass spectrometry in the positive and negative ionization modes. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	18
119	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
118	Comparative profiling analysis of woody flavouring from vine-shoots and oak chips. <i>Journal of the Science of Food and Agriculture</i> , <b>2014</b> , 94, 504-14	4.3	18
117	The Human Diabetes Proteome Project (HDPP): From network biology to targets for therapies and prevention. <i>Translational Proteomics</i> , <b>2013</b> , 1, 3-11		18
116	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
115	Characterization and Comparison of Wine Lees by Liquid Chromatography-Mass Spectrometry in High-Resolution Mode. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 1116-1125	5.7	18
114	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
113	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
112	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
111	Automated solid-phase extraction for concentration and clean-up of female steroid hormones prior to liquid chromatography-electrospray ionization-tandem mass spectrometry: an approach to lipidomics. <i>Journal of Chromatography A</i> , <b>2008</b> , 1207, 46-54	4.5	18
110	Oleocanthalic Acid, a Chemical Marker of Olive Oil Aging and Exposure to a High Storage Temperature with Potential Neuroprotective Activity. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 7337-7346	5.7	17
109	Phenolic composition of virgin olive oils from cross breeding segregating populations. <i>European Journal of Lipid Science and Technology</i> , <b>2012</b> , 114, 542-551	3	17
108	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
107	Screening and confirmatory analysis of glyoxylate: a biomarker of plants resistance against herbicides. <i>Talanta</i> , <b>2010</b> , 82, 1757-62	6.2	17
106	Integrated proteomic and metabolomic analysis reveals that rhodomirtone reduces the capsule in <i>Streptococcus pneumoniae</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 2715	4.9	16

105	Mechanism of imazamox resistance of the Clearfield <sup>®</sup> wheat cultivar for better weed control. <i>Agronomy for Sustainable Development</i> , <b>2015</b> , 35, 639-648	6.8	16
104	Development and application of a quantitative method based on LC-QqQ MS/MS for determination of steviol glycosides in Stevia leaves. <i>Talanta</i> , <b>2016</b> , 154, 263-9	6.2	16
103	Quantitative determination and confirmatory analysis of N-acetylneuraminic and N-glycolylneuraminic acids in serum and urine by solid-phase extraction on-line coupled to liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2014</b> , 1346, 88-96	4.5	16
102	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
101	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
100	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
99	MetaboQC: A tool for correcting untargeted metabolomics data with mass spectrometry detection using quality controls. <i>Talanta</i> , <b>2017</b> , 174, 29-37	6.2	15
98	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
97	Quantitative analysis of glycated proteins. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 336-47	5.6	15
96	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
95	Characterization of the glycated human cerebrospinal fluid proteome. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 4766-82	3.9	15
94	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
93	Automated method for targeting analysis of prostanoids in human serum by on-line solid-phase extraction and liquid chromatography-mass spectrometry in selected reaction monitoring. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 2848-55	4.5	15
92	Targeted Analysis of the Concentration Changes of Phenolic Compounds in Persian Lime ( <i>Citrus latifolia</i> ) during Fruit Growth. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 1813-1820	5.7	14
91	Anthocyanidins, proanthocyanidins, and anthocyanins profiling in wine lees by solid-phase extraction-liquid chromatography coupled to electrospray ionization tandem mass spectrometry with data-dependent methods. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 12539-48	5.7	14
90	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
89	Human hemolysate glycated proteome. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 5673-80	7.8	14
88	Dynamic ultrasound-assisted leaching of essential macro and micronutrient metal elements from animal feeds prior to flame atomic absorption spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 1376-81	4.4	14



87	Determination of B2 and B6 vitamers in serum by capillary electrophoresis-molecular fluorescence-charge coupled detector. <i>Electrophoresis</i> , <b>2005</b> , 26, 2376-83	3.6	14
86	Characterisation of the influences of aspirin-acetylation and glycation on human plasma proteins. <i>Journal of Proteomics</i> , <b>2015</b> , 114, 125-35	3.9	13
85	Sunlight exposure increases the phenolic content in postharvested white grapes. An evaluation of their antioxidant activity in <i>Saccharomyces cerevisiae</i> . <i>Journal of Functional Foods</i> , <b>2013</b> , 5, 1566-1575	5.1	13
84	Tentative identification of polar and mid-polar compounds in extracts from wine lees by liquid chromatography-tandem mass spectrometry in high-resolution mode. <i>Journal of Mass Spectrometry</i> , <b>2015</b> , 50, 826-37	2.2	13
83	Determination of primary fatty acid amides in different biological fluids by LC-MS/MS in MRM mode with synthetic deuterated standards: Influence of biofluid matrix on sample preparation. <i>Talanta</i> , <b>2019</b> , 193, 29-36	6.2	13
82	Changes in the composition of the polar fraction of Persian lime ( <i>Citrus latifolia</i> ) during fruit growth by LC-QTOF MS/MS analysis. <i>Food Chemistry</i> , <b>2017</b> , 234, 262-268	8.5	12
81	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
80	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
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78	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
77	Impact of high glucose concentration on aspirin-induced acetylation of human serum albumin: An in vitro study. <i>EuPA Open Proteomics</i> , <b>2014</b> , 3, 100-113	0.1	11
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75	Effects of arachidonic acid on the concentration of hydroxyeicosatetraenoic acids in culture media of mesenchymal stromal cells differentiating into adipocytes or osteoblasts. <i>Genes and Nutrition</i> , <b>2014</b> , 9, 375	4.3	11
74	Untargeted analysis to monitor metabolic changes of garlic along heat treatment by LC-QTOF MS/MS. <i>Electrophoresis</i> , <b>2017</b> , 38, 2349-2360	3.6	11
73	Exhaled breath condensate to discriminate individuals with different smoking habits by GC-TOF/MS. <i>Scientific Reports</i> , <b>2017</b> , 7, 1421	4.9	10
72	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> , <b>2013</b> , 136, 576-84	8.5	10
71	On-line preparation of microsamples prior to CE. <i>Electrophoresis</i> , <b>2007</b> , 28, 1214-20	3.6	10
70	Ultrasonic enhancement of leaching and in situ derivatization of haloacetic acids in vegetable foods prior to gas chromatography-electron capture detection. <i>Journal of Chromatography A</i> , <b>2008</b> , 1201, 21-6 <sup>4.5</sup>	4.5	10

69	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> , <b>2006</b> , 385, 1532-744	4.4	10
68	Dry sweat as sample for metabolomics analysis. <i>Talanta</i> , <b>2020</b> , 208, 120428	6.2	10
67	Confirmatory and quantitative analysis of fatty acid esters of hydroxy fatty acids in serum by solid phase extraction coupled to liquid chromatography tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2016</b> , 943, 82-88	6.6	10
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65	Determination of glycerophospholipids in vegetable edible oils: Proof of concept to discriminate olive oil categories. <i>Food Chemistry</i> , <b>2019</b> , 299, 125136	8.5	9
64	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
63	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> , <b>2013</b> , 106, 440-7	6.2	9
62	Analytical platform for verification and quantitation of target peptides in human serum: application to cathelicidin. <i>Analytical Biochemistry</i> , <b>2011</b> , 415, 39-45	3.1	9
61	Use of chemometrics and mid infrared spectroscopy for the selection of extraction alternatives to reference analytical methods for total fat isolation. <i>Analytica Chimica Acta</i> , <b>2004</b> , 525, 159-169	6.6	9
60	Evaluation of short-term storage prior to analysis of vitamin D and metabolites in human serum by liquid chromatography coupled to tandem mass spectrometry. <i>Talanta</i> , <b>2019</b> , 198, 344-349	6.2	8
59	Aspirin-mediated acetylation of haemoglobin increases in presence of high glucose concentration and decreases protein glycation. <i>EuPA Open Proteomics</i> , <b>2015</b> , 8, 116-127	0.1	8
58	Ultrasound-assisted emulsification-extraction of orange peel metabolites prior to tentative identification by LC-QTOF MS/MS. <i>Talanta</i> , <b>2015</b> , 141, 150-7	6.2	8
57	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> , <b>2013</b> , 405, 6117-29	4.4	8
56	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> , <b>2013</b> , 115, 1053-1061	3	8
55	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</i> , <b>2013</b> , 138, 2146-55	5	8
54	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> , <b>2014</b> , 126, 170-6	6.2	8
53	Comparison of saponification methods for characterization of the nonsaponifiable fraction of virgin olive oil. <i>European Journal of Lipid Science and Technology</i> , <b>2013</b> , 115, 1325-1333	3	8
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50	Phenolic composition of virgin olive oils in cultivars for narrow hedgerow olive orchards. <i>European Journal of Lipid Science and Technology</i> , <b>2013</b> , 115, 800-810	3	7
49	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> , <b>2015</b> , 117, 954-966	3	7
48	Determination of fatty acids and stable carbon isotopic ratio in subcutaneous fat to identify the feeding regime of Iberian pigs. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 692-9	5.7	7
47	Continuous filtration as a separation technique. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2008</b> , 27, 101-107	14.6	7
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45	Comprehensive analysis of pig feces metabolome by chromatographic techniques coupled to mass spectrometry in high resolution mode: Influence of sample preparation on the identification coverage. <i>Talanta</i> , <b>2019</b> , 199, 303-309	6.2	6
44	Optimization of a MALDI-Imaging protocol for studying adipose tissue-associated disorders. <i>Talanta</i> , <b>2020</b> , 219, 121184	6.2	6
43	Qualitative/quantitative strategy for the determination of glufosinate and metabolites in plants. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 611-20	4.4	6
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41	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> , <b>2015</b> , 95, 2892-900	4.3	6
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39	Cultivar influence on the volatile components of olive oil formed in the lipoxygenase pathway. <i>LWT - Food Science and Technology</i> , <b>2021</b> , 147, 111485	5.4	6
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36	Targeted analysis of sphingoid precursors in human biofluids by solid-phase extraction with in situ derivatization prior to LC-LIF determination. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 400, 757-65	4.4	5
35	Multi-omic profiling to assess the effect of iron starvation in TIGR4. <i>PeerJ</i> , <b>2018</b> , 6, e4966	3.1	5
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25	Relevance and Analysis of Citrus Flavonoids <b>2019</b> , 133-150		4
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18	Microwave-Assisted Extraction. <i>Contemporary Food Engineering</i> , <b>2011</b> , 85-122		2
17	Factors Associated with Serum Vitamin D Metabolites and Vitamin D Metabolite Ratios in Premenopausal Women. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	2
16	Serum Phospholipids Fatty Acids and Breast Cancer Risk by Pathological Subtype. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2

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2	Focused microwave-assisted Soxhlet extraction: a convincing alternative for total fat isolation from bakery products. <i>Talanta</i> , <b>2005</b> , 65, 98-103	6.2	
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