Feliciano Priego-Capote

List of Publications by Year in Descending Order

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	Influence of genetic and interannual factors on bioactive compounds of olive pomace determined through a germplasm survey.. *Food Chemistry*, **2022**, 378, 132107	8.5	
211	Monitoring the partition of bioactive compounds in the extraction of extra virgin olive oil. *LWT - Food Science and Technology*, **2022**, 113433	5.4	1
210	Metabolic patterns in the lipoxygenase pathway associated to fruitiness attributes of extra virgin olive oil. *Journal of Food Composition and Analysis*, **2022**, 109, 104478	4.1	2
209	Measuring Vitamin D3 Metabolic Status, Comparison between Vitamin D Deficient and Sufficient Individuals. *Separations*, **2022**, 9, 141	3.1	2
208	Solid□quid extraction techniques **2021**, 111-130		1
207	Factors Associated with Serum Vitamin D Metabolites and Vitamin D Metabolite Ratios in Premenopausal Women. *Nutrients*, **2021**, 13,	6.7	2
206	Alteration of the Phenolic Fraction of Extra Virgin Olive Oil Subjected to Frying Conditions. *ACS Food Science & Technology*, **2021**, 1, 884-891		1
205	Influence of fruit destoning on bioactive compounds of virgin olive oil. *LWT - Food Science and Technology*, **2021**, 145, 111354	5.4	4
204	Cultivar influence on the volatile components of olive oil formed in the lipoxygenase pathway. *LWT - Food Science and Technology*, **2021**, 147, 111485	5.4	6
203	The decrease in the health benefits of extra virgin olive oil during storage is conditioned by the initial phenolic profile. *Food Chemistry*, **2021**, 336, 127730	8.5	10
202	Influence of genetic and interannual factors on the phenolic profiles of virgin olive oils. *Food Chemistry*, **2021**, 342, 128357	8.5	7
201	Fully automated method for quantitative determination of steroids in serum: An approach to evaluate steroidogenesis. *Talanta*, **2021**, 224, 121923	6.2	4
200	Lyophilization as pre-processing for sample storage in the determination of vitamin D and metabolites in serum and plasma. *Talanta*, **2021**, 222, 121692	6.2	1
199	Influence of the fatty acid profile on the volatile components of virgin olive oil subjected to thermal stress. *Journal of the Science of Food and Agriculture*, **2021**, 101, 4829-4837	4.3	1
198	Vitamin D levels in women and factors contributing to explain metabolic variations. *Journal of Steroid Biochemistry and Molecular Biology*, **2021**, 211, 105884	5.1	2
197	Optimization of a MALDI-Imaging protocol for studying adipose tissue-associated disorders. *Talanta*, **2020**, 219, 121184	6.2	6
196	Serum Phospholipid Fatty Acids and Mammographic Density in Premenopausal Women. *Journal of Nutrition*, **2020**, 150, 2419-2428	4.1	2

195	Profiling analysis of phospholipid fatty acids in serum as a complement to the comprehensive fatty acids method. *Journal of Chromatography A*, **2020**, 1619, 460965	4.5	4
194	The phenolic profile of virgin olive oil is influenced by malaxation conditions and determines the oxidative stability. *Food Chemistry*, **2020**, 314, 126183	8.5	36
193	Dry sweat as sample for metabolomics analysis. *Talanta*, **2020**, 208, 120428	6.2	10
192	Development of a qualitative/quantitative strategy for comprehensive determination of polar lipids by LC-MS/MS in human plasma. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 489-498	4.4	3
191	Serum Phospholipid Fatty Acids Levels, Anthropometric Variables and Adiposity in Spanish Premenopausal Women. *Nutrients*, **2020**, 12,	6.7	1
190	Evaluating the Variability in the Phenolic Concentration of Extra Virgin Olive Oil According to the Commission Regulation (EU) 432/2012 Health Claim. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 9070-9080	5.7	4
189	Development of a quantitative method for determination of steroids in human plasma by gas chromatography-negative chemical ionization-tandem mass spectrometry. *Talanta*, **2020**, 220, 121415	6.2	4
188	Serum Phospholipids Fatty Acids and Breast Cancer Risk by Pathological Subtype. *Nutrients*, **2020**, 12,	6.7	2
187	Gut microbiota steroid sexual dimorphism and its impact on gonadal steroids: influences of obesity and menopausal status. *Microbiome*, **2020**, 8, 136	16.6	24
186	Untargeted characterization of extracts from Cannabis sativa L. cultivars by gas and liquid chromatography coupled to mass spectrometry in high resolution mode. *Talanta*, **2020**, 208, 120384	6.2	29
185	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. *Talanta*, **2019**, 199, 303-309	6.2	6
184	Potential of Metabolomics to Breath Tests **2019**, 69-81		0
183	Evaluation of short-term storage prior to analysis of vitamin D and metabolites in human serum by liquid chromatography coupled to tandem mass spectrometry. *Talanta*, **2019**, 198, 344-349	6.2	8
182	GC-MS study of changes in polar/mid-polar and volatile compounds in Persian lime (Citrus latifolia) during fruit growth. *Journal of the Science of Food and Agriculture*, **2019**, 99, 1020-1028	4.3	7
181	Determination of glycerophospholipids in vegetable edible oils: Proof of concept to discriminate olive oil categories. *Food Chemistry*, **2019**, 299, 125136	8.5	9
180	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. *Talanta*, **2019**, 193, 29-36	6.2	13
179	Relevance and Analysis of Citrus Flavonoids **2019**, 133-150		4
178	Quality of olives: A focus on agricultural preharvest factors. *Scientia Horticulturae*, **2018**, 233, 491-509	4.1	46

177	Serum 25-hydroxyvitamin D and breast cancer risk by pathological subtype (MCC-Spain). *Journal of Steroid Biochemistry and Molecular Biology*, **2018**, 182, 4-13	5.1	22
176	Study of sample preparation for determination of endocannabinoids and analogous compounds in human serum by LC-MS/MS in MRM mode. *Talanta*, **2018**, 185, 602-610	6.2	20
175	Targeted Analysis of the Concentration Changes of Phenolic Compounds in Persian Lime (Citrus latifolia) during Fruit Growth. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 1813-1820	5.7	14
174	The analytical process to search for metabolomics biomarkers. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 147, 341-349	3.5	21
173	Metabolomics analysis of human sweat collected after moderate exercise. *Talanta*, **2018**, 177, 47-65	6.2	31
172	Influence of sample preparation on lipidomics analysis of polar lipids in adipose tissue. *Talanta*, **2018**, 177, 86-93	6.2	24
171	Metabolomic profiling of human lung tumor tissues - nucleotide metabolism as a candidate for therapeutic interventions and biomarkers. *Molecular Oncology*, **2018**, 12, 1778-1796	7.9	22
170	Cultivar influence on variability in olive oil phenolic profiles determined through an extensive germplasm survey. *Food Chemistry*, **2018**, 266, 192-199	8.5	35
169	Oleocanthalic Acid, a Chemical Marker of Olive Oil Aging and Exposure to a High Storage Temperature with Potential Neuroprotective Activity. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 7337-7346	5.7	17
168	Multi-omic profiling to assess the effect of iron starvation in TIGR4. *PeerJ*, **2018**, 6, e4966	3.1	5
167	Early Salmonella Typhimurium infection in pigs disrupts Microbiome composition and functionality principally at the ileum mucosa. *Scientific Reports*, **2018**, 8, 7788	4.9	33
166	HeadspaceGC-IMS volatile profile of black garlic vs fresh garlic: Evolution along fermentation and behavior under heating. *LWT - Food Science and Technology*, **2017**, 80, 98-105	5.4	47
165	Establishing compositional differences between fresh and black garlic by a metabolomics approach based on LC-QTOF MS/MS analysis. *Journal of Food Composition and Analysis*, **2017**, 62, 155-163	4.1	31
164	Changes in the composition of the polar fraction of Persian lime (Citrus latifolia) during fruit growth by LC-QTOF MS/MS analysis. *Food Chemistry*, **2017**, 234, 262-268	8.5	12
163	Exhaled breath condensate to discriminate individuals with different smoking habits by GC-TOF/MS. *Scientific Reports*, **2017**, 7, 1421	4.9	10
162	Integrated proteomic and metabolomic analysis reveals that rhodomyrtone reduces the capsule in Streptococcus pneumoniae. *Scientific Reports*, **2017**, 7, 2715	4.9	16
161	MetaboQC: A tool for correcting untargeted metabolomics data with mass spectrometry detection using quality controls. *Talanta*, **2017**, 174, 29-37	6.2	15
160	Pharmacokinetic/pharmacodynamic modeling of benazepril and benazeprilat after administration of intravenous and oral doses of benazepril in healthy horses. *Research in Veterinary Science*, **2017**, 114, 117-122	2.5	3

159	Characterization of Stevia leaves by LC-QTOF MS/MS analysis of polar and non-polar extracts. *Food Chemistry*, **2017**, 219, 329-338	8.5	27
158	Selective ultrasound-enhanced enzymatic hydrolysis of oleuropein to its aglycon in olive (Olea europaea L.) leaf extracts. *Food Chemistry*, **2017**, 220, 282-288	8.5	16
157	Quantitative method for determination of oleocanthal and oleacein in virgin olive oils by liquid chromatography-tandem mass spectrometry. *Talanta*, **2017**, 162, 24-31	6.2	44
156	Untargeted analysis to monitor metabolic changes of garlic along heat treatment by LC-QTOF MS/MS. *Electrophoresis*, **2017**, 38, 2349-2360	3.6	11
155	Study of sample preparation for quantitative analysis of amino acids in human sweat by liquid chromatography-tandem mass spectrometry. *Talanta*, **2016**, 146, 310-7	6.2	32
154	Recent advances in human sweat metabolomics for lung cancer screening. *Metabolomics*, **2016**, 12, 1	4.7	19
153	Identification of metabolomics panels for potential lung cancer screening by analysis of exhaled breath condensate. *Journal of Breath Research*, **2016**, 10, 026002	3.1	26
152	Development and application of a quantitative method based on LC-QqQ MS/MS for determination of steviol glycosides in Stevia leaves. *Talanta*, **2016**, 154, 263-9	6.2	16
151	Metabolomics analysis of exhaled breath condensate for discrimination between lung cancer patients and risk factor individuals. *Journal of Breath Research*, **2016**, 10, 016011	3.1	20
150	MSCombine: a tool for merging untargeted metabolomic data from high-resolution mass spectrometry in the positive and negative ionization modes. *Metabolomics*, **2016**, 12, 1	4.7	18
149	Effect of sample pretreatment on the extraction of lemon (Citrus limon) components. *Talanta*, **2016**, 153, 386-91	6.2	15
148	Development of a method for enhancing metabolomics coverage of human sweat by gas chromatography-mass spectrometry in high resolution mode. *Analytica Chimica Acta*, **2016**, 905, 115-25	6.6	30
147	Influence of the collection tube on metabolomic changes in serum and plasma. *Talanta*, **2016**, 150, 681-9	6.2	31
146	Pharmacokinetics and pharmacodynamics of ramipril and ramiprilat after intravenous and oral doses of ramipril in healthy horses. *Veterinary Journal*, **2016**, 208, 38-43	2.5	4
145	Comparative Study of the Effect of Sample Pretreatment and Extraction on the Determination of Flavonoids from Lemon (Citrus limon). *PLoS ONE*, **2016**, 11, e0148056	3.7	25
144	Prostate Cancer Patients-Negative Biopsy Controls Discrimination by Untargeted Metabolomics Analysis of Urine by LC-QTOF: Upstream Information on Other Omics. *Scientific Reports*, **2016**, 6, 38243	4.9	25
143	Two-dimensional liquid chromatography coupled to tandem mass spectrometry for vitamin D metabolite profiling including the C3-epimer-25-monohydroxyvitamin D3. *Journal of Chromatography A*, **2016**, 1451, 50-57	4.5	25
142	Tentative identification of the composition of Agaricus bisporus aqueous enzymatic extracts with antiviral activity against HCV: A study by liquid chromatography-tandem mass spectrometry in high resolution mode. *Journal of Functional Foods*, **2016**, 24, 403-419	5.1	24

141	HS-GC/MS volatile profile of different varieties of garlic and their behavior under heating. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 3843-52	4.4	21
140	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. *Analytica Chimica Acta*, **2016**, 943, 82-88	6.6	10
139	Influence of genotype on the fatty acids composition of virgin olive oils from advanced selections obtained by crosses between Arbequina, Picual, and Frantoio cultivars along the ripening process. *European Journal of Lipid Science and Technology*, **2015**, 117, 1261-1270	3	2
138	Comparative study of the effect of auxiliary energies on the extraction of Citrus fruit components. *Talanta*, **2015**, 144, 522-8	6.2	12
137	Development of a method for metabolomic analysis of human exhaled breath condensate by gas chromatography-mass spectrometry in high resolution mode. *Analytica Chimica Acta*, **2015**, 887, 118-126	6.6	24
136	Development and application of a quantitative method for determination of flavonoids in orange peel: Influence of sample pretreatment on composition. *Talanta*, **2015**, 144, 349-55	6.2	25
135	Comparison of the volatile profile of vine-shoots and oak chips by headspace-gas chromatography-mass spectrometry (HS-GC-MS). *Analytical Methods*, **2015**, 7, 1758-1769	3.2	7
134	Aspirin-mediated acetylation of haemoglobin increases in presence of high glucose concentration and decreases protein glycation. *EuPA Open Proteomics*, **2015**, 8, 116-127	0.1	8
133	Synthesis of biodiesel from castor oil: Silent versus sonicated methylation and energy studies. *Energy Conversion and Management*, **2015**, 96, 561-567	10.6	26
132	Ultrasound-assisted emulsification-extraction of orange peel metabolites prior to tentative identification by LC-QTOF MS/MS. *Talanta*, **2015**, 141, 150-7	6.2	8
131	Study of exhaled breath condensate sample preparation for metabolomics analysis by LC-MS/MS in high resolution mode. *Talanta*, **2015**, 144, 1360-9	6.2	27
130	Characterisation of the influences of aspirin-acetylation and glycation on human plasma proteins. *Journal of Proteomics*, **2015**, 114, 125-35	3.9	13
129	Mechanism of imazamox resistance of the Clearfield wheat cultivar for better weed control. *Agronomy for Sustainable Development*, **2015**, 35, 639-648	6.8	16
128	Characterization of monovarietal virgin olive oils by phenols profiling. *Talanta*, **2015**, 132, 424-32	6.2	41
127	Enhancing detection coverage in untargeted metabolomics analysis by solid-phase extraction on-line coupled to LC-MS/MS. *Electrophoresis*, **2015**, 36, 2179-2187	3.6	9
126	Composition of fatty acids in virgin olive oils from cross breeding segregating populations by gas chromatography separation with flame ionization detection. *Journal of the Science of Food and Agriculture*, **2015**, 95, 2892-900	4.3	6
125	Characterization of lemon (Citrus limon) polar extract by liquid chromatography-tandem mass spectrometry in high resolution mode. *Journal of Mass Spectrometry*, **2015**, 50, 1196-205	2.2	39
124	The effect of genotype and ripening index on the phenolic profile and fatty acids composition of virgin olive oils from olive breeding programs. *European Journal of Lipid Science and Technology*, **2015**, 117, 954-966	3	7

123	Tentative identification of polar and mid-polar compounds in extracts from wine lees by liquid chromatography-tandem mass spectrometry in high-resolution mode. *Journal of Mass Spectrometry* , **2015**, 50, 826-37	2.2	13
122	Study of blood collection and sample preparation for analysis of vitamin D and its metabolites by liquid chromatography-tandem mass spectrometry. *Analytica Chimica Acta*, **2015**, 879, 69-76	6.6	18
121	Human sweat metabolomics for lung cancer screening. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 5381-92	4.4	67
120	Characterization and Comparison of Wine Lees by Liquid Chromatography-Mass Spectrometry in High-Resolution Mode. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 1116-1125	5.7	18
119	Determination of fatty acids and stable carbon isotopic ratio in subcutaneous fat to identify the feeding regime of Iberian pigs. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 692-9	5.7	7
118	Quantitative analytical method to evaluate the metabolism of vitamin D. *Clinica Chimica Acta*, **2015**, 442, 6-12	6.2	22
117	Influence of vegetable oil fatty acid composition on ultrasound-assisted synthesis of biodiesel. *Fuel*, **2014**, 125, 183-191	7.1	30
116	Biodiesel synthesis from saturated and unsaturated oils assisted by the combination of ultrasound, agitation and heating. *Fuel*, **2014**, 131, 6-16	7.1	20
115	Impact of high glucose concentration on aspirin-induced acetylation of human serum albumin: An in vitro study. *EuPA Open Proteomics*, **2014**, 3, 100-113	0.1	11
114	Qualitative/quantitative strategy for the determination of glufosinate and metabolites in plants. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 611-20	4.4	6
113	Analysis of serum phospholipid profiles by liquid chromatography-tandem mass spectrometry in high resolution mode for evaluation of atherosclerotic patients. *Journal of Chromatography A*, **2014** , 1371, 154-62	4.5	18
112	Comparative profiling analysis of woody flavouring from vine-shoots and oak chips. *Journal of the Science of Food and Agriculture*, **2014**, 94, 504-14	4.3	18
111	Enhanced detection and identification in metabolomics by use of LC-MS/MS untargeted analysis in combination with gas-phase fractionation. *Analytical Chemistry*, **2014**, 86, 7558-65	7.8	33
110	LC-MS/MS quantitative analysis of paclitaxel and its major metabolites in serum, plasma and tissue from women with ovarian cancer after intraperitoneal chemotherapy. *Journal of Pharmaceutical and Biomedical Analysis*, **2014**, 91, 131-7	3.5	27
109	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. *Journal of Chromatography A*, **2014**, 1346, 88-96	4.5	16
108	Quantitative analysis of glycated proteins. *Journal of Proteome Research*, **2014**, 13, 336-47	5.6	15
107	High-resolution mass spectrometry to evaluate the influence of cross-breeding segregating populations on the phenolic profile of virgin olive oils. *Journal of the Science of Food and Agriculture* , **2014**, 94, 3100-9	4.3	12
106	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. *Talanta*, **2014**, 126, 170-6	6.2	8

105	Optimization study for metabolomics analysis of human sweat by liquid chromatography-tandem mass spectrometry in high resolution mode. *Journal of Chromatography A*, **2014**, 1333, 70-8	4.5	51
104	Ultrasound-assisted extraction with LC-TOF/MS identification and LC-UV determination of imazamox and its metabolites in leaves of wheat plants. *Phytochemical Analysis*, **2014**, 25, 357-63	3.4	11
103	Effects of arachidonic acid on the concentration of hydroxyeicosatetraenoic acids in culture media of mesenchymal stromal cells differentiating into adipocytes or osteoblasts. *Genes and Nutrition*, **2014**, 9, 375	4.3	11
102	Analysis of esterified and nonesterified fatty acids in serum from obese individuals after intake of breakfasts prepared with oils heated at frying temperature. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 6117-29	4.4	8
101	Mass spectrometry to evaluate the effect of the ripening process on phenols of virgin olive oils. *European Journal of Lipid Science and Technology*, **2013**, 115, 1053-1061	3	8
100	An approach to the phytochemical profiling of rocket [Eruca sativa (Mill.) Thell]. *Journal of the Science of Food and Agriculture*, **2013**, 93, 3809-19	4.3	28
99	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. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 12539-48	5.7	14
98	Sunlight exposure increases the phenolic content in postharvested white grapes. An evaluation of their antioxidant activity in Saccharomyces cerevisiae. *Journal of Functional Foods*, **2013**, 5, 1566-1575	5.1	13
97	Phenolic composition of virgin olive oils in cultivars for narrow hedgerow olive orchards. *European Journal of Lipid Science and Technology*, **2013**, 115, 800-810	3	7
96	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. *Analyst, The*, **2013**, 138, 2146-55	5	8
95	Near-infrared spectroscopy and partial least squares-class modeling (PLS-CM) for metabolomics fingerprinting discrimination of intervention breakfasts ingested by obese individuals. *Journal of Chemometrics*, **2013**, 27, n/a-n/a	1.6	1
94	Method based on GC-MS to study the influence of tricarboxylic acid cycle metabolites on cardiovascular risk factors. *Journal of Pharmaceutical and Biomedical Analysis*, **2013**, 74, 178-85	3.5	21
93	Liquid chromatography-diode array detection to study the metabolism of glufosinate in Triticum aestivum T-590 and influence of the genetic modification on its resistance. *Phytochemistry*, **2013**, 96, 117-22	4	5
92	Global metabolomic profiling of human serum from obese individuals by liquid chromatography-time-of-flight/mass spectrometry to evaluate the intake of breakfasts prepared with heated edible oils. *Food Chemistry*, **2013**, 141, 1722-31	8.5	6
91	The Human Diabetes Proteome Project (HDPP): From network biology to targets for therapies and prevention. *Translational Proteomics*, **2013**, 1, 3-11		18
90	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. *Analytica Chimica Acta*, **2013**, 766, 69-76	6.6	15
89	Characterization of grape seed residues from the ethanol-distillation industry. *Analytical Methods*, **2013**, 5, 1922	3.2	4
88	Integrated identification/confirmatory and targeted analysis of epoxyeicosatrienosic acids in human serum by LC-TOF MS and automated on-line SPE-LC-QqQ MS/MS. *Talanta*, **2013**, 106, 440-7	6.2	9

87	Sequential determination of metabolites involved in the biosynthesis of aromatic amino acids after ultrasound-assisted extraction from plants and reverse LC separation. *Talanta*, **2013**, 105, 429-34	6.2	4
86	Short-term comparative study of the influence of fried edible oils intake on the metabolism of essential fatty acids in obese individuals. *Food Chemistry*, **2013**, 136, 576-84	8.5	10
85	CHAPTER 5:Accelerated Liquid Extraction. *RSC Green Chemistry*, **2013**, 157-195	0.9	4
84	Comparison of saponification methods for characterization of the nonsaponifiable fraction of virgin olive oil. *European Journal of Lipid Science and Technology*, **2013**, 115, 1325-1333	3	8
83	Targeted analysis of omega-6-derived eicosanoids in human serum by SPE-LC-MS/MS for evaluation of coronary artery disease. *Electrophoresis*, **2013**, 34, 2901-9	3.6	6
82	Tentative identification of phenolic compounds in olive pomace extracts using liquid chromatography-tandem mass spectrometry with a quadrupole-quadrupole-time-of-flight mass detector. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 11542-50	5.7	55
81	Determination of essential amino acids in human serum by a targeting method based on automated SPE-LC-MS/MS: discrimination between artherosclerotic patients. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 70, 476-84	3.5	25
80	Automated method for determination of olive oil phenols and metabolites in human plasma and application in intervention studies. *Journal of Chromatography A*, **2012**, 1258, 108-16	4.5	16
79	Characterization of the glycated human cerebrospinal fluid proteome. *Journal of Proteomics*, **2012**, 75, 4766-82	3.9	15
78	Study of sample preparation for metabolomic profiling of human saliva by liquid chromatography-time of flight/mass spectrometry. *Journal of Chromatography A*, **2012**, 1248, 178-81	4.5	29
77	Characterization of refined edible oils enriched with phenolic extracts from olive leaves and pomace. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 5866-73	5.7	35
76	Comparison of extraction methods for exploitation of grape skin residues from ethanol distillation. *Talanta*, **2012**, 101, 292-8	6.2	18
75	Soxhlet Extraction Versus Accelerated Solvent Extraction **2012**, 83-103		1
74	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. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3409-17	5.7	15
73	Comparison of accelerated methods for the extraction of phenolic compounds from different vine-shoot cultivars. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3051-60	5.7	68
72	Virgin olive oil phenolic profile and variability in progenies from olive crosses. *Journal of the Science of Food and Agriculture*, **2012**, 92, 2524-33	4.3	20
71	Phenolic composition of virgin olive oils from cross breeding segregating populations. *European Journal of Lipid Science and Technology*, **2012**, 114, 542-551	3	17
70	Cholesterol oxidation products in milk: Processing formation and determination. *European Journal of Lipid Science and Technology*, **2012**, 114, 687-694	3	17

69	Comparison of sample preparation approaches for phospholipids profiling in human serum by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2012**, 1240, 21-8	4.5	41
68	Phenolic profile of virgin olive oil from advanced breeding selections. *Spanish Journal of Agricultural Research*, **2012**, 10, 443	1.1	24
67	Microwave-Assisted Extraction. *Contemporary Food Engineering*, **2011**, 85-122		2
66	Standard operation protocol for analysis of lipid hydroperoxides in human serum using a fully automated method based on solid-phase extraction and liquid chromatography-mass spectrometry in selected reaction monitoring. *Journal of Chromatography A*, **2011**, 1218, 6720-6	4.5	5
65	Influence of simulated deep frying on the antioxidant fraction of vegetable oils after enrichment with extracts from olive oil pomace. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 9806-14	5.7	20
64	Influence of deep frying on the unsaponifiable fraction of vegetable edible oils enriched with natural antioxidants. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 7194-202	5.7	14
63	Quality and stability of edible oils enriched with hydrophilic antioxidants from the olive tree: the role of enrichment extracts and lipid composition. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 11432-41	5.7	32
62	Automated targeting analysis of eicosanoid inflammation biomarkers in human serum and in the exometabolome of stem cells by SPE-LC-MS/MS. *Analytical and Bioanalytical Chemistry*, **2011**, 399, 1093-103	4.4	41
61	Targeted analysis of sphingoid precursors in human biofluids by solid-phase extraction with in situ derivatization prior to □LC-LIF determination. *Analytical and Bioanalytical Chemistry*, **2011**, 400, 757-65	4.4	5
60	Bioaccumulation assessment of the sunscreen agent 2-ethylhexyl 4-(N,N-dimethylamino)benzoate in human semen by automated online SPE-LC-MS/MS. *Analytical and Bioanalytical Chemistry*, **2011**, 401, 1003-11	4.4	12
59	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. *Journal of Chromatography A*, **2011**, 1218, 2848-55	4.5	15
58	Hydrophilic antioxidants of virgin olive oil. Part 1: Hydrophilic phenols: A key factor for virgin olive oil quality. *European Journal of Lipid Science and Technology*, **2011**, 113, 678-691	3	46
57	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. *European Journal of Lipid Science and Technology*, **2011**, 113, 692-707	3	58
56	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. *Journal of Chromatography A*, **2011**, 1218, 3013-21	4.5	18
55	Human hemolysate glycated proteome. *Analytical Chemistry*, **2011**, 83, 5673-80	7.8	14
54	Analytical platform for verification and quantitation of target peptides in human serum: application to cathelicidin. *Analytical Biochemistry*, **2011**, 415, 39-45	3.1	9
53	The role of ultrasound in analytical derivatizations. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2011**, 879, 1189-95	3.2	19
52	Qualitative and quantitative analysis of glycated proteins in human plasma by glucose isotopic labeling with □□C6-reducing sugars. *Methods in Molecular Biology*, **2011**, 728, 219-32	1.4	3

51	Glycation isotopic labeling with 13C-reducing sugars for quantitative analysis of glycated proteins in human plasma. *Molecular and Cellular Proteomics*, **2010**, 9, 579-92	7.6	64
50	Extraction of Oleuropein and Related Phenols from Olive Leaves and Branches **2010**, 259-273		4
49	Qualitative and quantitative sugar profiling in olive fruits, leaves, and stems by gas chromatography-tandem mass spectrometry (GC-MS/MS) after ultrasound-assisted leaching. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 12292-9	5.7	50
48	Screening and confirmatory analysis of glyoxylate: a biomarker of plants resistance against herbicides. *Talanta*, **2010**, 82, 1757-62	6.2	17
47	Metabolomics analysis I. Selection of biological samples and practical aspects preceding sample preparation. *TrAC - Trends in Analytical Chemistry*, **2010**, 29, 111-119	14.6	94
46	Metabolomics analysis II. Preparation of biological samples prior to detection. *TrAC - Trends in Analytical Chemistry*, **2010**, 29, 120-127	14.6	116
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