Chiara Cavaliere

List of Publications by Year in Descending Order

146 papers	5,169 citations	43 h-index	65 g-index
155 ext. papers	5,819 ext. citations	5.1 avg, IF	5.64 L-index

#	Paper	IF	Citations
146	Detailed investigation of the composition and transformations of phenolic compounds in fresh and fermented Vaccinium floribundum berry extracts by high-resolution mass spectrometry and bioinformatics.. *Phytochemical Analysis*, **2022**,	3.4	2
145	Untargeted analysis of contaminants in river water samples: Comparison between two different sorbents for solid-phase extraction followed by liquid chromatography-high-resolution mass spectrometry determination. *Microchemical Journal*, **2022**, 172, 106979	4.8	0
144	Comprehensive biomarker profiles and chemometric filtering of urinary metabolomics for effective discrimination of prostate carcinoma from benign hyperplasia.. *Scientific Reports*, **2022**, 12, 4361	4.9	
143	Fully Automatized Detection of Phosphocholine-Containing Lipids through an Isotopically Labeled Buffer Modification Workflow. *Analytical Chemistry*, **2021**, 93, 15042-15048	7.8	1
142	High-Resolution Mass Spectrometry and Chemometrics for the Detailed Characterization of Short Endogenous Peptides in Milk By-Products. *Molecules*, **2021**, 26,	4.8	1
141	Andean Blueberry of the Genus Disterigma: A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds. *Separations*, **2021**, 8, 58	3.1	7
140	Untargeted metabolomics of prostate cancer zwitterionic and positively charged compounds in urine. *Analytica Chimica Acta*, **2021**, 1158, 338381	6.6	10
139	Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate. *Antioxidants*, **2021**, 10,	7.1	6
138	In-depth cannabis fatty acid profiling by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. *Talanta*, **2021**, 228, 122249	6.2	1
137	Profiling and quantitative analysis of underivatized fatty acids in Chlorella vulgaris microalgae by liquid chromatography-high resolution mass spectrometry. *Journal of Separation Science*, **2021**, 44, 3041-3051	3.4	2
136	A rapid and innovative extraction and enrichment method for the metaproteomic characterization of dissolved organic matter in groundwater samples. *Journal of Separation Science*, **2021**, 44, 1612-1620	3.4	
135	Comprehensive identification of native medium-sized and short bioactive peptides in sea bass muscle. *Food Chemistry*, **2021**, 343, 128443	8.5	7
134	Degradation of the polar lipid and fatty acid molecular species in extra virgin olive oil during storage based on shotgun lipidomics. *Journal of Chromatography A*, **2021**, 1639, 461881	4.5	5
133	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. *Talanta*, **2021**, 230, 122313	6.2	9
132	Recent applications of mass spectrometry for the characterization of cannabis and hemp phytocannabinoids: From targeted to untargeted analysis. *Journal of Chromatography A*, **2021**, 1655, 462492	4.5	12
131	Targeted and untargeted characterization of underivatized policosanols in hemp inflorescence by liquid chromatography-high resolution mass spectrometry. *Talanta*, **2021**, 235, 122778	6.2	1
130	Identification and Quantification of Polycyclic Aromatic Hydrocarbons in Polyhydroxyalkanoates Produced from Mixed Microbial Cultures and Municipal Organic Wastes at Pilot Scale. *Molecules*, **2021**, 26,	4.8	3

129	Development of a Sample-Preparation Workflow for Sulfopeptide Enrichment: From Target Analysis to Challenges in Shotgun Sulfoproteomics. *Analytical Chemistry*, **2020**, 92, 7964-7971	7.8	5
128	Untargeted Characterization of Chestnut (Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition. *Molecules*, **2020**, 25,	4.8	11
127	A new opening for the tricky untargeted investigation of natural and modified short peptides. *Talanta*, **2020**, 219, 121262	6.2	10
126	Improved identification of phytocannabinoids using a dedicated structure-based workflow. *Talanta*, **2020**, 219, 121310	6.2	16
125	Determination of multi-class emerging contaminants in sludge and recovery materials from waste water treatment plants: Development of a modified QuEChERS method coupled to LC-MS/MS. *Microchemical Journal*, **2020**, 155, 104732	4.8	13
124	Phospholipidome of extra virgin olive oil: Development of a solid phase extraction protocol followed by liquid chromatography-high resolution mass spectrometry for its software-assisted identification. *Food Chemistry*, **2020**, 310, 125860	8.5	13
123	Magnetic molecularly imprinted multishell particles for zearalenone recognition. *Polymer*, **2020**, 188, 122102	3.9	4
122	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. *Talanta*, **2020**, 209, 120573	6.2	27
121	A clean-up strategy for identification of circulating endogenous short peptides in human plasma by zwitterionic hydrophilic liquid chromatography and untargeted peptidomics identification. *Journal of Chromatography A*, **2020**, 1613, 460699	4.5	4
120	Carbon nanostructure morphology templates nanocomposites for phosphoproteomics. *Nano Research*, **2020**, 13, 380-388	10	11
119	Developments and pitfalls in the characterization of phenolic compounds in food: From targeted analysis to metabolomics-based approaches. *TrAC - Trends in Analytical Chemistry*, **2020**, 133, 116083	14.6	9
118	Identification and Antimicrobial Activity of Medium-Sized and Short Peptides from Yellowfin Tuna () Simulated Gastrointestinal Digestion. *Foods*, **2020**, 9,	4.9	11
117	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. *Talanta*, **2020**, 209, 120487	6.2	11
116	A Novel Magnetic Molecular Imprinted Polymer for Selective Extraction of Zearalenone from Cereal Flours before Liquid Chromatography-Tandem Mass Spectrometry Determination. *Toxins*, **2019**, 11,	4.9	9
115	Identification of bioactive short peptides in cow milk by high-performance liquid chromatography on C18 and porous graphitic carbon coupled to high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 3395-3404	4.4	19
114	Recent Applications of Magnetic Solid-phase Extraction for Sample Preparation. *Chromatographia*, **2019**, 82, 1251-1274	2.1	52
113	A Triple Quadrupole and a Hybrid Quadrupole Orbitrap Mass Spectrometer in Comparison for Polyphenol Quantitation. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 4885-4896	5.7	11
112	Investigation of free and conjugated seleno-amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry. *Journal of Separation Science*, **2019**, 42, 1938-1947	3.4	2

111	Graphitized Carbon Black Enrichment and UHPLC-MS/MS Allow to Meet the Challenge of Small Chain Peptidomics in Urine. *Analytical Chemistry*, **2019**, 91, 11474-11481	7.8	17
110	Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae. *Talanta*, **2019**, 205, 120162	6.2	8
109	Development of an Analytical Method for the Metaproteomic Investigation of Bioaerosol from Work Environments. *Proteomics*, **2019**, 19, e1900152	4.8	1
108	Peptidomic Approach for the Identification of Peptides with Potential Antioxidant and Anti-Hyperthensive Effects Derived From Asparagus By-Products. *Molecules*, **2019**, 24,	4.8	13
107	Effect of shell structure of Ti-immobilized metal ion affinity chromatography core-shell magnetic particles for phosphopeptide enrichment. *Scientific Reports*, **2019**, 9, 15782	4.9	4
106	Liposome protein corona characterization as a new approach in nanomedicine. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 4313-4326	4.4	19
105	Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry. *Journal of Chromatography A*, **2019**, 1590, 73-79	4.5	20
104	Investigation of free seleno-amino acids in extra-virgin olive oil by mixed mode solid phase extraction cleanup and enantioselective hydrophilic interaction liquid chromatography-tandem mass spectrometry. *Food Chemistry*, **2019**, 278, 17-25	8.5	4
103	Saliva as a source of new phosphopeptide biomarkers: Development of a comprehensive analytical method based on shotgun peptidomics. *Talanta*, **2018**, 183, 245-249	6.2	15
102	Peptidomic strategy for purification and identification of potential ACE-inhibitory and antioxidant peptides in Tetradesmus obliquus microalgae. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 3573-3586	4.4	58
101	Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 3425-3444	4.4	66
100	Chromatographic column evaluation for the untargeted profiling of glucosinolates in cauliflower by means of ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. *Talanta*, **2018**, 179, 792-802	6.2	26
99	Development of an enrichment method for endogenous phosphopeptide characterization in human serum. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 1177-1185	4.4	20
98	Characterization of antioxidant and angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. *Journal of Functional Foods*, **2018**, 44, 40-47	5.1	29
97	Label-Free Shotgun Proteomics Approach to Characterize Muscle Tissue from Farmed and Wild European Sea Bass (Dicentrarchus labrax). *Food Analytical Methods*, **2018**, 11, 292-301	3.4	9
96	New Ti-IMAC magnetic polymeric nanoparticles for phosphopeptide enrichment from complex real samples. *Talanta*, **2018**, 178, 274-281	6.2	33
95	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. *Analytical Chemistry*, **2018**, 90, 8326-8330	7.8	6
94	Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. *Talanta*, **2018**, 188, 671-675	6.2	12

93	Liquid Chromatographic Strategies for Separation of Bioactive Compounds in Food Matrices. *Molecules*, **2018**, 23,	4.8	10
92	Delving into the Polar Lipidome by Optimized Chromatographic Separation, High-Resolution Mass Spectrometry, and Comprehensive Identification with Lipostar: Microalgae as Case Study. *Analytical Chemistry*, **2018**, 90, 12230-12238	7.8	14
91	Comprehensive polyphenol profiling of a strawberry extract (Fragaria ananassa) by ultra-high-performance liquid chromatography coupled with high-resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 2127-2142	4.4	31
90	Evaluation of column length and particle size effect on the untargeted profiling of a phytochemical mixture by using UHPLC coupled to high-resolution mass spectrometry. *Journal of Separation Science*, **2017**, 40, 2541-2557	3.4	15
89	A new carbon-based magnetic material for the dispersive solid-phase extraction of UV filters from water samples before liquid chromatography-tandem mass spectrometry analysis. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 4181-4194	4.4	22
88	Biophysics and protein corona analysis of Janus cyclodextrin-DNA nanocomplexes. Efficient cellular transfection on cancer cells. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 1737-1749	4	14
87	A multidimensional liquid chromatography-tandem mass spectrometry platform to improve protein identification in high-throughput shotgun proteomics. *Journal of Chromatography A*, **2017**, 1498, 176-182	4.5	9
86	Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. *Food Research International*, **2017**, 100, 28-52	7	43
85	A Rapid Magnetic Solid Phase Extraction Method Followed by Liquid Chromatography-Tandem Mass Spectrometry Analysis for the Determination of Mycotoxins in Cereals. *Toxins*, **2017**, 9,	4.9	23
84	Labeling and label free shotgun proteomics approaches to characterize muscle tissue from farmed and wild gilthead sea bream (Sparus aurata). *Journal of Chromatography A*, **2016**, 1428, 193-201	4.5	41
83	New Magnetic Graphitized Carbon Black TiO Composite for Phosphopeptide Selective Enrichment in Shotgun Phosphoproteomics. *Analytical Chemistry*, **2016**, 88, 12043-12050	7.8	44
82	Mycoestrogen determination in cow milk: Magnetic solid-phase extraction followed by liquid chromatography and tandem mass spectrometry analysis. *Journal of Separation Science*, **2016**, 39, 4794-4804	3.4	12
81	Purification and identification of endogenous antioxidant and ACE-inhibitory peptides from donkey milk by multidimensional liquid chromatography and nanoHPLC-high resolution mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 5657-66	4.4	55
80	Shotgun proteomic analysis of soybean embryonic axes during germination under salt stress. *Proteomics*, **2016**, 16, 1537-46	4.8	17
79	Recent trends in the analysis of bioactive peptides in milk and dairy products. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 2677-85	4.4	100
78	Multiresidue analysis of endocrine-disrupting compounds and perfluorinated sulfates and carboxylic acids in sediments by ultra-high-performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2016**, 1438, 133-42	4.5	24
77	Phosphopeptide enrichment: Development of magnetic solid phase extraction method based on polydopamine coating and Ti(4+)-IMAC. *Analytica Chimica Acta*, **2016**, 909, 67-74	6.6	32
76	Polydopamine-coated magnetic nanoparticles for isolation and enrichment of estrogenic compounds from surface water samples followed by liquid chromatography-tandem mass spectrometry determination. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 4011-20	4.4	27

75	Identification of three novel angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. *Journal of Functional Foods*, **2016**, 27, 262-273	5.1	27
74	Surface chemistry and serum type both determine the nanoparticle-protein corona. *Journal of Proteomics*, **2015**, 119, 209-17	3.9	65
73	The biomolecular corona of nanoparticles in circulating biological media. *Nanoscale*, **2015**, 7, 13958-66	7.7	100
72	Food Proteins and Peptides. *Comprehensive Analytical Chemistry*, **2015**, 68, 309-357	1.9	8
71	Ultra-high-performance liquid chromatography-tandem mass spectrometry for the analysis of free and conjugated natural estrogens in cow milk without deconjugation. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 1705-19	4.4	18
70	Simultaneous Determination of Naturally Occurring Estrogens and Mycoestrogens in Milk by Ultrahigh-Performance Liquid Chromatography-Tandem Mass Spectrometry Analysis. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 8940-6	5.7	22
69	Identification of potential bioactive peptides generated by simulated gastrointestinal digestion of soybean seeds and soy milk proteins. *Journal of Food Composition and Analysis*, **2015**, 44, 205-213	4.1	96
68	Lipid composition: a key factor for the rational manipulation of the liposome–protein corona by liposome design. *RSC Advances*, **2015**, 5, 5967-5975	3.7	64
67	Development of an analytical strategy for the identification of potential bioactive peptides generated by in vitro tryptic digestion of fish muscle proteins. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 845-54	4.4	32
66	Chromatographic Methods Coupled to Mass Spectrometry Detection for the Determination of Phenolic Acids in Plants and Fruits. *Journal of Liquid Chromatography and Related Technologies*, **2015**, 38, 353-370	1.3	22
65	Natural estrogens in dairy products: Determination of free and conjugated forms by ultra high performance liquid chromatography with tandem mass spectrometry. *Journal of Separation Science*, **2015**, 38, 3599-606	3.4	14
64	Development of a Rapid LC-MS/MS Method for the Determination of Emerging Fusarium mycotoxins Enniatins and Beauvericin in Human Biological Fluids. *Toxins*, **2015**, 7, 3554-71	4.9	32
63	Recent advances and developments in matrix solid-phase dispersion. *TrAC - Trends in Analytical Chemistry*, **2015**, 71, 186-193	14.6	80
62	Peptidome characterization and bioactivity analysis of donkey milk. *Journal of Proteomics*, **2015**, 119, 21-9	3.9	53
61	Characterization of quinoa seed proteome combining different protein precipitation techniques: Improvement of knowledge of nonmodel plant proteomics. *Journal of Separation Science*, **2015**, 38, 1017-25	3.4	21
60	Heterosis profile of sunflower leaves: a label free proteomics approach. *Journal of Proteomics*, **2014**, 99, 101-10	3.9	29
59	Comparison of extraction methods for the identification and quantification of polyphenols in virgin olive oil by ultra-HPLC-QToF mass spectrometry. *Food Chemistry*, **2014**, 158, 392-400	8.5	62
58	Multiclass analysis of mycotoxins in biscuits by high performance liquid chromatography-tandem mass spectrometry. Comparison of different extraction procedures. *Journal of Chromatography A*, **2014**, 1343, 69-78	4.5	47

57	Comparative analysis of metabolic proteome variation in ascorbate-primed and unprimed wheat seeds during germination under salt stress. *Journal of Proteomics*, **2014**, 108, 238-57	3.9	50
56	A proteomics-based methodology to investigate the protein corona effect for targeted drug delivery. *Molecular BioSystems*, **2014**, 10, 2815-9		16
55	The liposome-protein corona in mice and humans and its implications for in vivo delivery. *Journal of Materials Chemistry B*, **2014**, 2, 7419-7428	7.3	70
54	Protein profile of mature soybean seeds and prepared soybean milk. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 9893-9	5.7	32
53	Analytical Methods for Characterizing the Nanoparticle Protein Corona. *Chromatographia*, **2014**, 77, 755-769	2.1	50
52	Multiresidue determination of UV filters in water samples by solid-phase extraction and liquid chromatography with tandem mass spectrometry analysis. *Journal of Separation Science*, **2014**, 37, 2882-91	3.4	20
51	Effect of DOPE and cholesterol on the protein adsorption onto lipid nanoparticles. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	27
50	Gel-free proteomics reveal potential biomarkers of priming-induced salt tolerance in durum wheat. *Journal of Proteomics*, **2013**, 91, 486-99	3.9	51
49	Proteomic characterization of human platelet-derived microparticles. *Analytica Chimica Acta*, **2013**, 776, 57-63	6.6	37
48	Label-free quantitative analysis for studying the interactions between nanoparticles and plasma proteins. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 635-45	4.4	25
47	Recent trends in matrix solid-phase dispersion. *TrAC - Trends in Analytical Chemistry*, **2013**, 43, 53-66	14.6	80
46	High performance liquid chromatography tandem mass spectrometry determination of perfluorinated acids in cow milk. *Journal of Chromatography A*, **2013**, 1319, 72-9	4.5	21
45	Proteomic platform for the identification of proteins in olive (Olea europaea) pulp. *Analytica Chimica Acta*, **2013**, 800, 36-42	6.6	14
44	Time evolution of nanoparticle-protein corona in human plasma: relevance for targeted drug delivery. *Langmuir*, **2013**, 29, 6485-94	4	215
43	Analytical strategies based on chromatography-mass spectrometry for the determination of estrogen-mimicking compounds in food. *Journal of Chromatography A*, **2013**, 1313, 62-77	4.5	45
42	Proteome investigation of the non-model plant pomegranate (Punica granatum L.). *Analytical and Bioanalytical Chemistry*, **2013**, 405, 9301-9	4.4	16
41	Selective targeting capability acquired with a protein corona adsorbed on the surface of 1,2-dioleoyl-3-trimethylammonium propane/DNA nanoparticles. *ACS Applied Materials & Interfaces*, **2013**, 5, 13171-9	9.5	119
40	Multiclass screening method based on solvent extraction and liquid chromatography-tandem mass spectrometry for the determination of antimicrobials and mycotoxins in egg. *Journal of Chromatography A*, **2012**, 1268, 84-90	4.5	61

39	Comparison of three different enrichment strategies for serum low molecular weight protein identification using shotgun proteomics approach. *Analytica Chimica Acta*, **2012**, 740, 58-65	6.6	38
38	Do plasma proteins distinguish between liposomes of varying charge density?. *Journal of Proteomics*, **2012**, 75, 1924-32	3.9	57
37	Polyphenol content in white table grape (Vitis Vinifera) berries of cultivar Italia: interactive effect of irrigation, delayed harvest and storage. *Natural Product Research*, **2012**, 26, 1787-95	2.3	2
36	Multiclass mycotoxin analysis in food, environmental and biological matrices with chromatography/mass spectrometry. *Mass Spectrometry Reviews*, **2012**, 31, 466-503	11	105
35	CPTH6, a thiazole derivative, induces histone hypoacetylation and apoptosis in human leukemia cells. *Clinical Cancer Research*, **2012**, 18, 475-86	12.9	44
34	Evolution of the protein corona of lipid gene vectors as a function of plasma concentration. *Langmuir*, **2011**, 27, 15048-53	4	86
33	Intact protein separation by chromatographic and/or electrophoretic techniques for top-down proteomics. *Journal of Chromatography A*, **2011**, 1218, 8760-76	4.5	67
32	Rapid Resolution Liquid chromatography/High Resolution Tandem Mass Spectrometry to Characterize Metabolic Changes in Subjects Involved in MARS500 Project. *Chromatographia*, **2011**, 73, 45-53	2.1	2
31	Shotgun proteomic analytical approach for studying proteins adsorbed onto liposome surface. *Analytical and Bioanalytical Chemistry*, **2011**, 401, 1195-202	4.4	27
30	Extending the applicability of pressurized hot water extraction to compounds exhibiting limited water solubility by pH control: curcumin from the turmeric rhizome. *Analytical and Bioanalytical Chemistry*, **2011**, 401, 2977-85	4.4	37
29	Evaluation of different two-dimensional chromatographic techniques for proteomic analysis of mouse cardiac tissue. *Biomedical Chromatography*, **2011**, 25, 594-9	1.7	12
28	Stilbene production in cell cultures of Vitis vinifera L. cvs Red Globe and Michele Palieri elicited by methyl jasmonate. *Natural Product Research*, **2010**, 24, 1488-98	2.3	23
27	Surface adsorption of protein corona controls the cell internalization mechanism of DC-Chol-DOPE/DNA lipoplexes in serum. *Biochimica Et Biophysica Acta - Biomembranes*, **2010**, 1798, 536-43	3.8	115
26	Determination of Aflatoxins and Ochratoxin A in Olive Oil **2010**, 645-652		2
25	Analysis of plasma protein adsorption onto DC-Chol-DOPE cationic liposomes by HPLC-CHIP coupled to a Q-TOF mass spectrometer. *Analytical and Bioanalytical Chemistry*, **2010**, 398, 2895-903	4.4	36
24	Surface adsorption of protein corona controls the cell uptake mechanism in efficient cationic liposome/DNA complexes in serum. *Journal of Controlled Release*, **2010**, 148, e94-5	11.7	2
23	Phenilpropanoate identification in young wheat plants by liquid chromatography/tandem mass spectrometry: monomeric and dimeric compounds. *Journal of Mass Spectrometry*, **2010**, 45, 1026-40	2.2	17
22	Recent developments in matrix solid-phase dispersion extraction. *Journal of Chromatography A*, **2010**, 1217, 2521-32	4.5	228

21	The interactive effects of irrigation, nitrogen fertilisation rate, delayed harvest and storage on the polyphenol content in red grape (Vitis vinifera) berries: A factorial experimental design. *Food Chemistry*, **2010**, 122, 1176-1184	8.5	17
20	Analysis of drought responsive proteins in wheat (Triticum durum) by 2D-PAGE and MALDI-TOF mass spectrometry. *Plant Science*, **2009**, 177, 570-576	5.3	108
19	Identification of changes in Triticum durum L. leaf proteome in response to salt stress by two-dimensional electrophoresis and MALDI-TOF mass spectrometry. *Analytical and Bioanalytical Chemistry*, **2008**, 391, 381-90	4.4	126
18	A label-free method based on MALDI-TOF mass spectrometry for the absolute quantitation of troponin T in mouse cardiac tissue. *Analytical and Bioanalytical Chemistry*, **2008**, 391, 1969-76	4.4	17
17	Absolute quantification of cardiac troponin T by means of liquid chromatography/triple quadrupole tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2008**, 22, 1159-67	2.2	10
16	Rapid-resolution liquid chromatography/mass spectrometry for determination and quantitation of polyphenols in grape berries. *Rapid Communications in Mass Spectrometry*, **2008**, 22, 3089-99	2.2	85
15	Determination of aflatoxins in hazelnuts by various sample preparation methods and liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2008**, 1179, 182-9	4.5	64
14	Mycotoxins produced by Fusarium genus in maize: determination by screening and confirmatory methods based on liquid chromatography tandem mass spectrometry. *Food Chemistry*, **2007**, 105, 700-710	8.5	43
13	Determination of aflatoxins in olive oil by liquid chromatography-tandem mass spectrometry. *Analytica Chimica Acta*, **2007**, 596, 141-8	6.6	116
12	A sensitive confirmatory method for aflatoxins in maize based on liquid chromatography/electrospray ionization tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 550-6	2.2	23
11	Liquid chromatography/tandem mass spectrometry determination of organophosphorus flame retardants and plasticizers in drinking and surface waters. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 1123-30	2.2	103
10	Flavonoid profile in soybeans by high-performance liquid chromatography/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2007**, 21, 2177-87	2.2	34
9	Evaluation of the atmospheric pressure photoionization source for the determination of benzidines and chloroanilines in water and industrial effluents by high performance liquid chromatography-tandem mass spectrometry. *Talanta*, **2007**, 72, 419-26	6.2	5
8	Liquid chromatography/tandem mass spectrometric confirmatory method for determining aflatoxin M1 in cow milk: comparison between electrospray and atmospheric pressure photoionization sources. *Journal of Chromatography A*, **2006**, 1101, 69-78	4.5	112
7	Aflatoxin M1 determination in cheese by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2006**, 1135, 135-41	4.5	41
6	Automated on-line solid-phase extraction-liquid chromatography-electrospray tandem mass spectrometry method for the determination of ochratoxin A in wine and beer. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 5518-25	5.7	62
5	Determination of type B trichothecenes and macrocyclic lactone mycotoxins in field contaminated maize. *Food Chemistry*, **2005**, 92, 559-568	8.5	72
4	Determination of isoflavones and coumestrol in river water and domestic wastewater sewage treatment plants. *Analytica Chimica Acta*, **2005**, 531, 229-237	6.6	54

3	Development of a multiresidue method for analysis of major Fusarium mycotoxins in corn meal using liquid chromatography/tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 2085-93	2.2	104
2	Identification and mass spectrometric characterization of glycosylated flavonoids in Triticum durum plants by high-performance liquid chromatography with tandem mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2005**, 19, 3143-58	2.2	75
1	A simple and sensitive liquid chromatography-mass spectrometry confirmatory method for analyzing sulfonamide antibacterials in milk and egg. *Journal of Agricultural and Food Chemistry*, **2003**, 51, 558-66	5.7	51