

# Chiara Cavaliere

## List of Publications by Citations

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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	Recent developments in matrix solid-phase dispersion extraction. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 2521-32	4.5	228
145	Time evolution of nanoparticle-protein corona in human plasma: relevance for targeted drug delivery. <i>Langmuir</i> , <b>2013</b> , 29, 6485-94	4	215
144	Identification of changes in <i>Triticum durum</i> L. leaf proteome in response to salt stress by two-dimensional electrophoresis and MALDI-TOF mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 381-90	4.4	126
143	Selective targeting capability acquired with a protein corona adsorbed on the surface of 1,2-dioleoyl-3-trimethylammonium propane/DNA nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13171-9	9.5	119
142	Determination of aflatoxins in olive oil by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , <b>2007</b> , 596, 141-8	6.6	116
141	Surface adsorption of protein corona controls the cell internalization mechanism of DC-Chol-DOPE/DNA lipoplexes in serum. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2010</b> , 1798, 536-43	3.8	115
140	Liquid chromatography/tandem mass spectrometric confirmatory method for determining aflatoxin M1 in cow milk: comparison between electrospray and atmospheric pressure photoionization sources. <i>Journal of Chromatography A</i> , <b>2006</b> , 1101, 69-78	4.5	112
139	Analysis of drought responsive proteins in wheat ( <i>Triticum durum</i> ) by 2D-PAGE and MALDI-TOF mass spectrometry. <i>Plant Science</i> , <b>2009</b> , 177, 570-576	5.3	108
138	Multiclass mycotoxin analysis in food, environmental and biological matrices with chromatography/mass spectrometry. <i>Mass Spectrometry Reviews</i> , <b>2012</b> , 31, 466-503	11	105
137	Development of a multiresidue method for analysis of major <i>Fusarium</i> mycotoxins in corn meal using liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 2085-93	2.2	104
136	Liquid chromatography/tandem mass spectrometry determination of organophosphorus flame retardants and plasticizers in drinking and surface waters. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 1123-30	2.2	103
135	The biomolecular corona of nanoparticles in circulating biological media. <i>Nanoscale</i> , <b>2015</b> , 7, 13958-66	7.7	100
134	Recent trends in the analysis of bioactive peptides in milk and dairy products. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 2677-85	4.4	100
133	Identification of potential bioactive peptides generated by simulated gastrointestinal digestion of soybean seeds and soy milk proteins. <i>Journal of Food Composition and Analysis</i> , <b>2015</b> , 44, 205-213	4.1	96
132	Evolution of the protein corona of lipid gene vectors as a function of plasma concentration. <i>Langmuir</i> , <b>2011</b> , 27, 15048-53	4	86
131	Rapid-resolution liquid chromatography/mass spectrometry for determination and quantitation of polyphenols in grape berries. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3089-99	2.2	85
130	Recent trends in matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2013</b> , 43, 53-66	14.6	80

129	Recent advances and developments in matrix solid-phase dispersion. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2015</b> , 71, 186-193	14.6	80
128	Identification and mass spectrometric characterization of glycosylated flavonoids in Triticum durum plants by high-performance liquid chromatography with tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 3143-58	2.2	75
127	Determination of type B trichothecenes and macrocyclic lactone mycotoxins in field contaminated maize. <i>Food Chemistry</i> , <b>2005</b> , 92, 559-568	8.5	72
126	The liposome-protein corona in mice and humans and its implications for in vivo delivery. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 7419-7428	7.3	70
125	Intact protein separation by chromatographic and/or electrophoretic techniques for top-down proteomics. <i>Journal of Chromatography A</i> , <b>2011</b> , 1218, 8760-76	4.5	67
124	Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 3425-3444	4.4	66
123	Surface chemistry and serum type both determine the nanoparticle-protein corona. <i>Journal of Proteomics</i> , <b>2015</b> , 119, 209-17	3.9	65
122	Lipid composition: a key factor for the rational manipulation of the liposome-protein corona by liposome design. <i>RSC Advances</i> , <b>2015</b> , 5, 5967-5975	3.7	64
121	Determination of aflatoxins in hazelnuts by various sample preparation methods and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2008</b> , 1179, 182-9	4.5	64
120	Comparison of extraction methods for the identification and quantification of polyphenols in virgin olive oil by ultra-HPLC-QToF mass spectrometry. <i>Food Chemistry</i> , <b>2014</b> , 158, 392-400	8.5	62
119	Automated on-line solid-phase extraction-liquid chromatography-electrospray tandem mass spectrometry method for the determination of ochratoxin A in wine and beer. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 5518-25	5.7	62
118	Multiclass screening method based on solvent extraction and liquid chromatography-tandem mass spectrometry for the determination of antimicrobials and mycotoxins in egg. <i>Journal of Chromatography A</i> , <b>2012</b> , 1268, 84-90	4.5	61
117	Peptidomic strategy for purification and identification of potential ACE-inhibitory and antioxidant peptides in Tetrademus obliquus microalgae. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 3573-3586	4.4	58
116	Do plasma proteins distinguish between liposomes of varying charge density?. <i>Journal of Proteomics</i> , <b>2012</b> , 75, 1924-32	3.9	57
115	Purification and identification of endogenous antioxidant and ACE-inhibitory peptides from donkey milk by multidimensional liquid chromatography and nanoHPLC-high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 5657-66	4.4	55
114	Determination of isoflavones and coumestrol in river water and domestic wastewater sewage treatment plants. <i>Analytica Chimica Acta</i> , <b>2005</b> , 531, 229-237	6.6	54
113	Peptidome characterization and bioactivity analysis of donkey milk. <i>Journal of Proteomics</i> , <b>2015</b> , 119, 21-9	3.9	53
112	Recent Applications of Magnetic Solid-phase Extraction for Sample Preparation. <i>Chromatographia</i> , <b>2019</b> , 82, 1251-1274	2.1	52

111	Gel-free proteomics reveal potential biomarkers of priming-induced salt tolerance in durum wheat. <i>Journal of Proteomics</i> , <b>2013</b> , 91, 486-99	3.9	51
110	A simple and sensitive liquid chromatography-mass spectrometry confirmatory method for analyzing sulfonamide antibacterials in milk and egg. <i>Journal of Agricultural and Food Chemistry</i> , <b>2003</b> , 51, 558-66	5.7	51
109	Comparative analysis of metabolic proteome variation in ascorbate-primed and unprimed wheat seeds during germination under salt stress. <i>Journal of Proteomics</i> , <b>2014</b> , 108, 238-57	3.9	50
108	Analytical Methods for Characterizing the Nanoparticle-Protein Corona. <i>Chromatographia</i> , <b>2014</b> , 77, 755-769	2.1	50
107	Multiclass analysis of mycotoxins in biscuits by high performance liquid chromatography-tandem mass spectrometry. Comparison of different extraction procedures. <i>Journal of Chromatography A</i> , <b>2014</b> , 1343, 69-78	4.5	47
106	Analytical strategies based on chromatography-mass spectrometry for the determination of estrogen-mimicking compounds in food. <i>Journal of Chromatography A</i> , <b>2013</b> , 1313, 62-77	4.5	45
105	New Magnetic Graphitized Carbon Black TiO Composite for Phosphopeptide Selective Enrichment in Shotgun Phosphoproteomics. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 12043-12050	7.8	44
104	CPTH6, a thiazole derivative, induces histone hypoacetylation and apoptosis in human leukemia cells. <i>Clinical Cancer Research</i> , <b>2012</b> , 18, 475-86	12.9	44
103	Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. <i>Food Research International</i> , <b>2017</b> , 100, 28-52	7	43
102	Mycotoxins produced by Fusarium genus in maize: determination by screening and confirmatory methods based on liquid chromatography tandem mass spectrometry. <i>Food Chemistry</i> , <b>2007</b> , 105, 700-710	8.5	43
101	Labeling and label free shotgun proteomics approaches to characterize muscle tissue from farmed and wild gilthead sea bream ( <i>Sparus aurata</i> ). <i>Journal of Chromatography A</i> , <b>2016</b> , 1428, 193-201	4.5	41
100	Aflatoxin M1 determination in cheese by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2006</b> , 1135, 135-41	4.5	41
99	Comparison of three different enrichment strategies for serum low molecular weight protein identification using shotgun proteomics approach. <i>Analytica Chimica Acta</i> , <b>2012</b> , 740, 58-65	6.6	38
98	Proteomic characterization of human platelet-derived microparticles. <i>Analytica Chimica Acta</i> , <b>2013</b> , 776, 57-63	6.6	37
97	Extending the applicability of pressurized hot water extraction to compounds exhibiting limited water solubility by pH control: curcumin from the turmeric rhizome. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 2977-85	4.4	37
96	Analysis of plasma protein adsorption onto DC-Chol-DOPE cationic liposomes by HPLC-CHIP coupled to a Q-TOF mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 398, 2895-903	4.4	36
95	Flavonoid profile in soybeans by high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 2177-87	2.2	34
94	New Ti-IMAC magnetic polymeric nanoparticles for phosphopeptide enrichment from complex real samples. <i>Talanta</i> , <b>2018</b> , 178, 274-281	6.2	33

93	Development of an analytical strategy for the identification of potential bioactive peptides generated by in vitro tryptic digestion of fish muscle proteins. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 845-54	4.4	32
92	Phosphopeptide enrichment: Development of magnetic solid phase extraction method based on polydopamine coating and Ti(4+)-IMAC. <i>Analytica Chimica Acta</i> , <b>2016</b> , 909, 67-74	6.6	32
91	Protein profile of mature soybean seeds and prepared soybean milk. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 9893-9	5.7	32
90	Development of a Rapid LC-MS/MS Method for the Determination of Emerging Fusarium mycotoxins Enniatins and Beauvericin in Human Biological Fluids. <i>Toxins</i> , <b>2015</b> , 7, 3554-71	4.9	32
89	Comprehensive polyphenol profiling of a strawberry extract ( <i>Fragaria lananassa</i> ) by ultra-high-performance liquid chromatography coupled with high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 2127-2142	4.4	31
88	Characterization of antioxidant and angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. <i>Journal of Functional Foods</i> , <b>2018</b> , 44, 40-47	5.1	29
87	Heterosis profile of sunflower leaves: a label free proteomics approach. <i>Journal of Proteomics</i> , <b>2014</b> , 99, 101-10	3.9	29
86	Effect of DOPE and cholesterol on the protein adsorption onto lipid nanoparticles. <i>Journal of Nanoparticle Research</i> , <b>2013</b> , 15, 1	2.3	27
85	Shotgun proteomic analytical approach for studying proteins adsorbed onto liposome surface. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 1195-202	4.4	27
84	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. <i>Talanta</i> , <b>2020</b> , 209, 120573	6.2	27
83	Polydopamine-coated magnetic nanoparticles for isolation and enrichment of estrogenic compounds from surface water samples followed by liquid chromatography-tandem mass spectrometry determination. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 4011-20	4.4	27
82	Identification of three novel angiotensin-converting enzyme inhibitory peptides derived from cauliflower by-products by multidimensional liquid chromatography and bioinformatics. <i>Journal of Functional Foods</i> , <b>2016</b> , 27, 262-273	5.1	27
81	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. <i>Talanta</i> , <b>2018</b> , 179, 792-802	6.2	26
80	Label-free quantitative analysis for studying the interactions between nanoparticles and plasma proteins. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 635-45	4.4	25
79	Multiresidue analysis of endocrine-disrupting compounds and perfluorinated sulfates and carboxylic acids in sediments by ultra-high-performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2016</b> , 1438, 133-42	4.5	24
78	A Rapid Magnetic Solid Phase Extraction Method Followed by Liquid Chromatography-Tandem Mass Spectrometry Analysis for the Determination of Mycotoxins in Cereals. <i>Toxins</i> , <b>2017</b> , 9,	4.9	23
77	Stilbene production in cell cultures of <i>Vitis vinifera</i> L. cvs Red Globe and Michele Palieri elicited by methyl jasmonate. <i>Natural Product Research</i> , <b>2010</b> , 24, 1488-98	2.3	23
76	A sensitive confirmatory method for aflatoxins in maize based on liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2007</b> , 21, 550-6	2.2	23

75	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. <i>Analytical and Bioanalytical Chemistry</i> , <b>2017</b> , 409, 4181-4194	4.4	22
74	Simultaneous Determination of Naturally Occurring Estrogens and Mycoestrogens in Milk by Ultrahigh-Performance Liquid Chromatography-Tandem Mass Spectrometry Analysis. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 8940-6	5.7	22
73	Chromatographic Methods Coupled to Mass Spectrometry Detection for the Determination of Phenolic Acids in Plants and Fruits. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2015</b> , 38, 353-370	1.3	22
72	High performance liquid chromatography tandem mass spectrometry determination of perfluorinated acids in cow milk. <i>Journal of Chromatography A</i> , <b>2013</b> , 1319, 72-9	4.5	21
71	Characterization of quinoa seed proteome combining different protein precipitation techniques: Improvement of knowledge of nonmodel plant proteomics. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 1017-25	3.4	21
70	Development of an enrichment method for endogenous phosphopeptide characterization in human serum. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 1177-1185	4.4	20
69	Multiresidue determination of UV filters in water samples by solid-phase extraction and liquid chromatography with tandem mass spectrometry analysis. <i>Journal of Separation Science</i> , <b>2014</b> , 37, 2882-91	3.4	20
68	Sensitive untargeted identification of short hydrophilic peptides by high performance liquid chromatography on porous graphitic carbon coupled to high resolution mass spectrometry. <i>Journal of Chromatography A</i> , <b>2019</b> , 1590, 73-79	4.5	20
67	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. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 3395-3404	4.4	19
66	Liposome protein corona characterization as a new approach in nanomedicine. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 4313-4326	4.4	19
65	Ultra-high-performance liquid chromatography-tandem mass spectrometry for the analysis of free and conjugated natural estrogens in cow milk without deconjugation. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 1705-19	4.4	18
64	Shotgun proteomic analysis of soybean embryonic axes during germination under salt stress. <i>Proteomics</i> , <b>2016</b> , 16, 1537-46	4.8	17
63	Graphitized Carbon Black Enrichment and UHPLC-MS/MS Allow to Meet the Challenge of Small Chain Peptidomics in Urine. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 11474-11481	7.8	17
62	Phenylpropanoate identification in young wheat plants by liquid chromatography/tandem mass spectrometry: monomeric and dimeric compounds. <i>Journal of Mass Spectrometry</i> , <b>2010</b> , 45, 1026-40	2.2	17
61	The interactive effects of irrigation, nitrogen fertilisation rate, delayed harvest and storage on the polyphenol content in red grape ( <i>Vitis vinifera</i> ) berries: A factorial experimental design. <i>Food Chemistry</i> , <b>2010</b> , 122, 1176-1184	8.5	17
60	A label-free method based on MALDI-TOF mass spectrometry for the absolute quantitation of troponin T in mouse cardiac tissue. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 1969-76	4.4	17
59	Improved identification of phytocannabinoids using a dedicated structure-based workflow. <i>Talanta</i> , <b>2020</b> , 219, 121310	6.2	16
58	A proteomics-based methodology to investigate the protein corona effect for targeted drug delivery. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 2815-9		16

57	Proteome investigation of the non-model plant pomegranate ( <i>Punica granatum</i> L.). <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 9301-9	4.4	16
56	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. <i>Journal of Separation Science</i> , <b>2017</b> , 40, 2541-2557	3.4	15
55	Saliva as a source of new phosphopeptide biomarkers: Development of a comprehensive analytical method based on shotgun peptidomics. <i>Talanta</i> , <b>2018</b> , 183, 245-249	6.2	15
54	Biophysics and protein corona analysis of Janus cyclodextrin-DNA nanocomplexes. Efficient cellular transfection on cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 1737-1749	4	14
53	Proteomic platform for the identification of proteins in olive ( <i>Olea europaea</i> ) pulp. <i>Analytica Chimica Acta</i> , <b>2013</b> , 800, 36-42	6.6	14
52	Natural estrogens in dairy products: Determination of free and conjugated forms by ultra high performance liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , <b>2015</b> , 38, 3599-606	3.4	14
51	Delving into the Polar Lipidome by Optimized Chromatographic Separation, High-Resolution Mass Spectrometry, and Comprehensive Identification with Lipostar: Microalgae as Case Study. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12230-12238	7.8	14
50	Determination of multi-class emerging contaminants in sludge and recovery materials from waste water treatment plants: Development of a modified QuEChERS method coupled to LCMS/MS. <i>Microchemical Journal</i> , <b>2020</b> , 155, 104732	4.8	13
49	Peptidomic Approach for the Identification of Peptides with Potential Antioxidant and Anti-Hypertensive Effects Derived From Asparagus By-Products. <i>Molecules</i> , <b>2019</b> , 24,	4.8	13
48	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. <i>Food Chemistry</i> , <b>2020</b> , 310, 125860	8.5	13
47	Mycoestrogen determination in cow milk: Magnetic solid-phase extraction followed by liquid chromatography and tandem mass spectrometry analysis. <i>Journal of Separation Science</i> , <b>2016</b> , 39, 4794-4804	2.4	12
46	Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. <i>Talanta</i> , <b>2018</b> , 188, 671-675	6.2	12
45	Evaluation of different two-dimensional chromatographic techniques for proteomic analysis of mouse cardiac tissue. <i>Biomedical Chromatography</i> , <b>2011</b> , 25, 594-9	1.7	12
44	Recent applications of mass spectrometry for the characterization of cannabis and hemp phytocannabinoids: From targeted to untargeted analysis. <i>Journal of Chromatography A</i> , <b>2021</b> , 1655, 462492	4.5	12
43	A Triple Quadrupole and a Hybrid Quadrupole Orbitrap Mass Spectrometer in Comparison for Polyphenol Quantitation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2019</b> , 67, 4885-4896	5.7	11
42	Untargeted Characterization of Chestnut ( Mill.) Shell Polyphenol Extract: A Valued Bioresource for Prostate Cancer Cell Growth Inhibition. <i>Molecules</i> , <b>2020</b> , 25,	4.8	11
41	Carbon nanostructure morphology templates nanocomposites for phosphoproteomics. <i>Nano Research</i> , <b>2020</b> , 13, 380-388	10	11
40	Identification and Antimicrobial Activity of Medium-Sized and Short Peptides from Yellowfin Tuna () Simulated Gastrointestinal Digestion. <i>Foods</i> , <b>2020</b> , 9,	4.9	11

39	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. <i>Talanta</i> , <b>2020</b> , 209, 120487	6.2	11
38	A new opening for the tricky untargeted investigation of natural and modified short peptides. <i>Talanta</i> , <b>2020</b> , 219, 121262	6.2	10
37	Absolute quantification of cardiac troponin T by means of liquid chromatography/triple quadrupole tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 1159-67	2.2	10
36	Untargeted metabolomics of prostate cancer zwitterionic and positively charged compounds in urine. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1158, 338381	6.6	10
35	Liquid Chromatographic Strategies for Separation of Bioactive Compounds in Food Matrices. <i>Molecules</i> , <b>2018</b> , 23,	4.8	10
34	A multidimensional liquid chromatography-tandem mass spectrometry platform to improve protein identification in high-throughput shotgun proteomics. <i>Journal of Chromatography A</i> , <b>2017</b> , 1498, 176-184	4.5	9
33	A Novel Magnetic Molecular Imprinted Polymer for Selective Extraction of Zearalenone from Cereal Flours before Liquid Chromatography-Tandem Mass Spectrometry Determination. <i>Toxins</i> , <b>2019</b> , 11,	4.9	9
32	Label-Free Shotgun Proteomics Approach to Characterize Muscle Tissue from Farmed and Wild European Sea Bass ( <i>Dicentrarchus labrax</i> ). <i>Food Analytical Methods</i> , <b>2018</b> , 11, 292-301	3.4	9
31	Developments and pitfalls in the characterization of phenolic compounds in food: From targeted analysis to metabolomics-based approaches. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2020</b> , 133, 116083	14.6	9
30	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. <i>Talanta</i> , <b>2021</b> , 230, 122313	6.2	9
29	Food Proteins and Peptides. <i>Comprehensive Analytical Chemistry</i> , <b>2015</b> , 68, 309-357	1.9	8
28	Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae. <i>Talanta</i> , <b>2019</b> , 205, 120162	6.2	8
27	Andean Blueberry of the Genus <i>Disterigma</i> : A High-Resolution Mass Spectrometric Approach for the Comprehensive Characterization of Phenolic Compounds. <i>Separations</i> , <b>2021</b> , 8, 58	3.1	7
26	Comprehensive identification of native medium-sized and short bioactive peptides in sea bass muscle. <i>Food Chemistry</i> , <b>2021</b> , 343, 128443	8.5	7
25	Simultaneous Preconcentration, Identification, and Quantitation of Selenoamino Acids in Oils by Enantioselective High Performance Liquid Chromatography and Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 8326-8330	7.8	6
24	Production and Characterization of Medium-Sized and Short Antioxidant Peptides from Soy Flour-Simulated Gastrointestinal Hydrolysate. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	6
23	Development of a Sample-Preparation Workflow for Sulfopeptide Enrichment: From Target Analysis to Challenges in Shotgun Sulfopeptidomics. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7964-7971	7.8	5
22	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. <i>Talanta</i> , <b>2007</b> , 72, 419-26	6.2	5



21	Degradation of the polar lipid and fatty acid molecular species in extra virgin olive oil during storage based on shotgun lipidomics. <i>Journal of Chromatography A</i> , <b>2021</b> , 1639, 461881	4.5	5
20	Effect of shell structure of Ti-immobilized metal ion affinity chromatography core-shell magnetic particles for phosphopeptide enrichment. <i>Scientific Reports</i> , <b>2019</b> , 9, 15782	4.9	4
19	Magnetic molecularly imprinted multishell particles for zearalenone recognition. <i>Polymer</i> , <b>2020</b> , 188, 122102	3.9	4
18	A clean-up strategy for identification of circulating endogenous short peptides in human plasma by zwitterionic hydrophilic liquid chromatography and untargeted peptidomics identification. <i>Journal of Chromatography A</i> , <b>2020</b> , 1613, 460699	4.5	4
17	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. <i>Food Chemistry</i> , <b>2019</b> , 278, 17-25	8.5	4
16	Identification and Quantification of Polycyclic Aromatic Hydrocarbons in Polyhydroxyalkanoates Produced from Mixed Microbial Cultures and Municipal Organic Wastes at Pilot Scale. <i>Molecules</i> , <b>2021</b> , 26,	4.8	3
15	Investigation of free and conjugated seleno-amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry. <i>Journal of Separation Science</i> , <b>2019</b> , 42, 1938-1947	3.4	2
14	Polyphenol content in white table grape ( <i>Vitis Vinifera</i> ) berries of cultivar Italia: interactive effect of irrigation, delayed harvest and storage. <i>Natural Product Research</i> , <b>2012</b> , 26, 1787-95	2.3	2
13	Rapid Resolution Liquid chromatography/High Resolution Tandem Mass Spectrometry to Characterize Metabolic Changes in Subjects Involved in MARS500 Project. <i>Chromatographia</i> , <b>2011</b> , 73, 45-53	2.1	2
12	Determination of Aflatoxins and Ochratoxin A in Olive Oil <b>2010</b> , 645-652		2
11	Surface adsorption of protein corona controls the cell uptake mechanism in efficient cationic liposome/DNA complexes in serum. <i>Journal of Controlled Release</i> , <b>2010</b> , 148, e94-5	11.7	2
10	Detailed investigation of the composition and transformations of phenolic compounds in fresh and fermented <i>Vaccinium floribundum</i> berry extracts by high-resolution mass spectrometry and bioinformatics.. <i>Phytochemical Analysis</i> , <b>2022</b> ,	3.4	2
9	Profiling and quantitative analysis of underivatized fatty acids in <i>Chlorella vulgaris</i> microalgae by liquid chromatography-high resolution mass spectrometry. <i>Journal of Separation Science</i> , <b>2021</b> , 44, 3041-3051	3.4	2
8	Development of an Analytical Method for the Metaproteomic Investigation of Bioaerosol from Work Environments. <i>Proteomics</i> , <b>2019</b> , 19, e1900152	4.8	1
7	Fully Automated Detection of Phosphocholine-Containing Lipids through an Isotopically Labeled Buffer Modification Workflow. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 15042-15048	7.8	1
6	High-Resolution Mass Spectrometry and Chemometrics for the Detailed Characterization of Short Endogenous Peptides in Milk By-Products. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
5	In-depth cannabis fatty acid profiling by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Talanta</i> , <b>2021</b> , 228, 122249	6.2	1
4	Targeted and untargeted characterization of underivatized policosanols in hemp inflorescence by liquid chromatography-high resolution mass spectrometry. <i>Talanta</i> , <b>2021</b> , 235, 122778	6.2	1

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- 1 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