Giorgia La Barbera

List of Publications by Year
in descending order

45 papers	1,605 citations	304602 22 h-index	289141 40 g-index
51 all docs	51 docs citations	51 times ranked	2426 citing authors

#	Article	IF	Citations
1	The protein corona of circulating PEGylated liposomes. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 189-196.	1.4	178
2	Recent trends and analytical challenges in plant bioactive peptide separation, identification and validation. Analytical and Bioanalytical Chemistry, 2018, 410, 3425-3444.	1.9	110
3	Stealth Effect of Biomolecular Corona on Nanoparticle Uptake by Immune Cells. Langmuir, 2015, 31, 10764-10773.	1.6	102
4	Recent Applications of Magnetic Solid-phase Extraction for Sample Preparation. Chromatographia, 2019, 82, 1251-1274.	0.7	97
5	Influence of dynamic flow environment on nanoparticle-protein corona: From protein patterns to uptake in cancer cells. Colloids and Surfaces B: Biointerfaces, 2017, 153, 263-271.	2.5	86
6	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.	1.9	76
7	Surface chemistry and serum type both determine the nanoparticleâ€“protein corona. Journal of Proteomics, 2015, 119, 209-217.	1.2	75
8	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, 5657-5666.	1.9	75
9	Peptidome characterization and bioactivity analysis of donkey milk. Journal of Proteomics, 2015, 119, 21-29.	1.2	68
10	Liquid chromatography-high resolution mass spectrometry for the analysis of phytochemicals in vegetal-derived food and beverages. Food Research International, 2017, 100, 28-52.	2.9	50
11	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.	1.8	49
12	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.	2.9	45
13	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.	3.2	40
14	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.	1.6	38
15	Comprehensive polyphenol profiling of a strawberry extract (Fragaria Ã— ananassa) by ultra-high-performance liquid chromatography coupled with high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2017, 409, 2127-2142.	1.9	35
16	A new carbon-based magnetic material for the dispersive solid-phase extraction of UV filters from water samples before liquid chromatographyâ€“tandem mass spectrometry analysis. Analytical and Bioanalytical Chemistry, 2017, 409, 4181-4194.	1.9	33
17	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.	2.9	33
18	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.	1.9	33

#	Article	IF	Citations
19	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, 4011-4020.	1.9	32
20	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.	1.6	32
21	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.	1.8	31
22	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, 147.	1.5	30
23	Development of an enrichment method for endogenous phosphopeptide characterization in human serum. Analytical and Bioanalytical Chemistry, 2018, 410, 1177-1185.	1.9	22
24	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.	2.4	21
25	Saliva as a source of new phosphopeptide biomarkers: Development of a comprehensive analytical method based on shotgun peptidomics. Talanta, 2018, 183, 245-249.	2.9	20
26	A comprehensive analysis of liposomal biomolecular corona upon human plasma incubation: The evolution towards the lipid corona. Talanta, 2020, 209, 120487.	2.9	20
27	Liquid Chromatographic Strategies for Separation of Bioactive Compounds in Food Matrices. Molecules, 2018, 23, 3091.	1.7	18
28	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.	3.2	17
29	Evaluation of column length and particle size effect on the untargeted profiling of a phytochemical mixture by using UHPLC coupled to highâ€resolution mass spectrometry. Journal of Separation Science, 2017, 40, 2541-2557.	1.3	16
30	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.	1.3	15
31	Extraction of polycyclic aromatic hydrocarbons from polyhydroxyalkanoates before gas chromatography/mass spectrometry analysis. Talanta, 2018, 188, 671-675.	2.9	15
32	Mycoestrogen determination in cow milk: Magnetic solidâ€phase extraction followed by liquid chromatography and tandem mass spectrometry analysis. Journal of Separation Science, 2016, 39, 4794-4804.	1.3	14
33	A Novel Magnetic Molecular Imprinted Polymer for Selective Extraction of Zearalenone from Cereal Flours before Liquid Chromatography-Tandem Mass Spectrometry Determination. Toxins, 2019, 11, 493.	1.5	14
34	Enrichment procedure based on graphitized carbon black and liquid chromatography-high resolution mass spectrometry for elucidating sulfolipids composition of microalgae. Talanta, 2019, 205, 120162.	2.9	12
35	Proteomic analysis and bioluminescent reporter gene assays to investigate effects of simulated microgravity on Caco-2 cells. Proteomics, 2017, 17, 1700081.	1.3	11
36	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.	3.2	7

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37	Development of an Analytical Method for the Metaproteomic Investigation of Bioaerosol from Work Environments. Proteomics, 2019, 19, e1900152.	1.3	6
38	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.	4.2	6
39	Role of cholesterol on the transfection barriers of cationic lipid/DNA complexes. Applied Physics Letters, 2014, 105, .	1.5	5
40	Recent Trends in Solid-Phase Extraction for Environmental, Food and Biological Sample Preparation. Chromatographia, 2019, 82, 1119-1120.	0.7	5
41	Discovery of Urinary Biomarkers of Seaweed Intake Using Untargeted LCâ€“MS Metabolomics in a Three-Way Cross-Over Human Study. Metabolites, 2021, 11, 11.	1.3	5
42	Investigation of free and conjugated selenoâ€amino acids in wheat bran by hydrophilic interaction liquid chromatography with tandem mass spectrometry. Journal of Separation Science, 2019, 42, 1938-1947.	1.3	3
43	Combined Urinary Biomarkers to Assess Coffee Intake Using Untargeted Metabolomics: Discovery in Three Pilot Human Intervention Studies and Validation in Cross-Sectional Studies. Journal of Agricultural and Food Chemistry, 2021, 69, 7230-7242.	2.4	3
44	Discovery of Urinary Biomarkers of Spinach Consumption Using Untargeted LCâ€MS Metabolomics in a Human Intervention Trial. Molecular Nutrition and Food Research, 2022, 66, e2100260.	1.5	2
45	Membrane proteome functional characterization of breast cancer-initiating cells subjected to bone morphogenetic protein signaling inhibition by dorsomorphin. Medicinal Chemistry Research, 2016, 25, 1971-1979.	1.1	0