Giuliana Bianco

List of Publications by Year
in descending order

74 papers	1,580 citations	236925 25 h-index	345221 36 g-index
75 all docs	75 docs citations	75 times ranked	2042 citing authors

#	Article	IF	Citations
1	Analysis of surfactants by mass spectrometry: Coming to grips with their diversity. Mass Spectrometry Reviews, 2023, 42, 1557-1588.	5.4	7
2	Detection and quantification of Covid-19 antiviral drugs in biological fluids and tissues. Talanta, 2021, 224, 121862.	5.5	43
3	Surface and Electrochemical Characterization of a New Layered GC/Betaine/Pt Electrode and Investigation on its Performance as a Sensor for two B Complex Vitamins, B1 and B6: Preliminary Results. Electroanalysis, 2021, 33, 483-494.	2.9	3
4	LC/MS Based Food Metabolomics. , 2021, , 39-53.		1
5	Natural Polymeric Materials: A Solution to Plastic Pollution from the Agro-Food Sector. Polymers, 2021, 13, 158.	4.5	69
6	Biohydrogen from Microalgae: Production and Applications. Applied Sciences (Switzerland), 2021, 11, 1616.	2.5	40
7	Untargeted analysis of pure snail slime and snail slimeâ€induced Au nanoparticles metabolome with MALDI FTâ€ICR MS. Journal of Mass Spectrometry, 2021, 56, e4722.	1.6	8
8	Characterization of Quercetin Derivatives in Crossing Combination of Habanero White and Capsicum annuum Peppers and of Anti-Inflammatory and Cytotoxic Activity. Separations, 2021, 8, 90.	2.4	13
9	Analytical Methods for Extraction and Identification of Primary and Secondary Metabolites of Apple (Malus domestica) Fruits: A Review. Separations, 2021, 8, 91.	2.4	23
10	Simulated Ageing of Crude Oil and Advanced Oxidation Processes for Water Remediation since Crude Oil Pollution. Catalysts, 2021, 11, 954.	3.5	1
11	Electrosynthesized Poly(o-aminophenol) Films as Biomimetic Coatings for Dopamine Detection on Pt Substrates. Chemosensors, 2021, 9, 280.	3.6	5
12	Exploiting the Anti-Inflammatory Potential of White Capsicum Extract by the Nanoformulation in Phospholipid Vesicles. Antioxidants, 2021, 10, 1683.	5.1	3
13	Phosphodiesterase-5 (PDE-5) Inhibitors as Emergent Environmental Contaminants: Advanced Remediation and Analytical Methods. Water (Switzerland), 2021, 13, 2859.	2.7	2
14	Metabolic profiling of Peperoni di Senise PGI bell peppers with ultra-high resolution absorption mode Fourier transform ion cyclotron resonance mass spectrometry. International Journal of Mass Spectrometry, 2021, 470, 116722.	1.5	3
15	Hemp Chemotype Definition by Cannabinoids Characterization Using LC-ESI(+)-LTQ-FTICR MS and Infrared Multiphoton Dissociation. Separations, 2021, 8, 245.	2.4	6
16	Validation of a liquid chromatography coupled with tandem mass spectrometry method for the determination of drugs in wastewater using a threeâ€phase solvent system. Journal of Separation Science, 2020, 43, 886-895.	2.5	27
17	Coceth sulfate characterization by electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2020, 34, e8884.	1.5	8
18	Biomolecules from snail mucus (Helix aspersa) conjugated gold nanoparticles, exhibiting potential wound healing and anti-inflammatory activity. Soft Matter, 2020, 16, 10876-10888.	2.7	28

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19	Pistacia lentiscus Hydrosol: Untargeted Metabolomic Analysis and Anti-Inflammatory Activity Mediated by NF-Î²B and the Citrate Pathway. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-14.	4.0	21
20	Validation of an Analytical Method for Nitrite and Nitrate Determination in Meat Foods for Infants by Ion Chromatography with Conductivity Detection. Foods, 2020, 9, 1238.	4.3	28
21	Regiochemical Assignment of N-Acylphosphatidylethanolamines (NAPE) by Liquid Chromatography/Electrospray Ionization with Multistage Mass Spectrometry and Its Application to Extracts of Lupin Seeds. Journal of the American Society for Mass Spectrometry, 2020, 31, 1994-2005.	2.8	6
22	Allosteric Enzyme-Based Biosensorsâ€"Kinetic Behaviours of Immobilised L-Lysine-Î±-Oxidase from Trichoderma viride: pH Influence and Allosteric Properties. Biosensors, 2020, 10, 145.	4.7	5
23	Profiling of quercetin glycosides and acyl glycosides in sun-dried peperoni di Senise peppers (Capsicum) Tj ETQq1 1 0.784314 rgBT /Ove Analytical and Bioanalytical Chemistry, 2020, 412, 3005-3015.	3.7	37
24	Influence of Horizontal Centrifugation Processes on the Content of Phenolic Secoiridoids and Their Oxidized Derivatives in Commercial Olive Oils: An Insight by Liquid Chromatographyâ€"High-Resolution Mass Spectrometry and Chemometrics. Journal of Agricultural and Food Chemistry, 2020, 68, 3171-3183.	5.2	9
25	CO2 and N2O from water resource recovery facilities: Evaluation of emissions from biological treatment, settling, disinfection, and receiving water body. Science of the Total Environment, 2019, 648, 1130-1140.	8.0	37
26	Detection of choline in biological fluids from patients on haemodialysis by an amperometric biosensor based on a novel anti-interference bilayer. Bioelectrochemistry, 2019, 129, 135-143.	4.6	14
27	Effect of pH and mobile phase additives on the chromatographic behaviour of an amideâ€embedded stationary phase: Cyanocobalamin and its diaminemonochloroâ€platinum(II) conjugate as a case study. Journal of Separation Science, 2019, 42, 1155-1162.	2.5	15
28	Determination of soyasaponins in Fagioli di Sarconi beans (Phaseolus vulgaris L.) by LC-ESI-FTICR-MS and evaluation of their hypoglycemic activity. Analytical and Bioanalytical Chemistry, 2018, 410, 1561-1569.	3.7	24
29	Method development and optimization for the determination of benzene, toluene, ethylbenzene and xylenes in water at trace levels by static headspace extraction coupled to gas chromatographyâ€"barrier ionization discharge detection. Journal of Chromatography A, 2018, 1548, 10-18.	3.7	27
30	Mass spectrometry-based phytochemical screening for hypoglycemic activity of Fagioli di Sarconi beans (Phaseolus vulgaris L.). Food Chemistry, 2018, 242, 497-504.	8.2	39
31	Interactions between elastin-like peptides and an insulating poly(ortho-aminophenol) membrane investigated by AFM and XPS. Analytical and Bioanalytical Chemistry, 2018, 410, 4925-4941.	3.7	5
32	Investigation of the Effects of Virgin Olive Oil Cleaning Systems on the Secoiridoid Aglycone Content Using High Performance Liquid Chromatographyâ€"Mass Spectrometry. JAOCS, Journal of the American Oil Chemists' Society, 2018, 95, 665-671.	1.9	18
33	Validation of an analytical method for simultaneous high-precision measurements of greenhouse gas emissions from wastewater treatment plants using a gas chromatography-barrier discharge detector system. Journal of Chromatography A, 2017, 1480, 62-69.	3.7	24
34	Effect of Storage and Extraction Protocols on the Lipid and Fatty Acid Profiles of Dicentrarchus labrax Brain. Food Analytical Methods, 2017, 10, 4003-4012.	2.6	9
35	Electron-Transfer Secondary Reaction Matrices for MALDI MS Analysis ofBacteriochlorophyll ainRhodobacter sphaeroidesand Its Zinc and Copper Analogue Pigments. Journal of the American Society for Mass Spectrometry, 2017, 28, 125-135.	2.8	13
36	Investigation of Glucosinolates by Mass Spectrometry. Reference Series in Phytochemistry, 2017, , 431-461.	0.4	9

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37	Identification of major Toxoneuron nigriceps venom proteins using an integrated transcriptomic/proteomic approach. Insect Biochemistry and Molecular Biology, 2016, 76, 49-61.	2.7	44
38	Sequence Protein Identification by Randomized Sequence Database and Transcriptome Mass Spectrometry (SPIDER-TMS): From Manual to Automatic Application of a â€˜de Novo Sequencingâ€™ Approach. European Journal of Mass Spectrometry, 2016, 22, 193-198.	1.0	2
39	Biodegradation of carbamazepine and clarithromycin by Trichoderma harzianum and Pleurotus ostreatus investigated by liquid chromatography â€“ high-resolution tandem mass spectrometry (FTICR) Tj ETQq1 1 0.784314 rgBT /Ov	3.0	42
40	The Investigation of Glucosinolates by Mass Spectrometry. , 2016, , 1-32.		3
41	Structural Characterization of Arginine Vasopressin and Lysine Vasopressin by Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry and Infrared Multiphoton Dissociation. European Journal of Mass Spectrometry, 2015, 21, 211-219.	1.0	2
42	Ancient Pottery from Archaeological Sites in Southern Italy: First Evidence of Red Grape Product Markers. European Journal of Mass Spectrometry, 2015, 21, 693-699.	1.0	3
43	Identification of two arginine kinase forms of endoparasitoid Leptomastix dactylopii venom by bottom upâ€sequence tag approach. Journal of Mass Spectrometry, 2015, 50, 756-765.	1.6	8
44	Structural characterization of major soyasaponins in traditional cultivars of Fagioli di Sarconi beans investigated by high-resolution tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2015, 407, 6381-6389.	3.7	11
45	Molecular formula analysis of fragment ions by isotopeâ€selective collisionâ€induced dissociation tandem mass spectrometry of pharmacologically active compounds. Journal of Mass Spectrometry, 2014, 49, 1322-1329.	1.6	6
46	Acylated glucosinolates with diverse acyl groups investigated by high resolution mass spectrometry and infrared multiphoton dissociation. Phytochemistry, 2014, 100, 92-102.	2.9	36
47	Dibenzo-p-dioxins and dibenzofurans in human breast milk collected in the area of Taranto (Southern) Tj ETQq1 1 0.784314 rgBT /Ov	3.7	30
48	Scrambling of autoinducing precursor peptides investigated by infrared multiphoton dissociation with electrospray ionization and Fourier transform ion cyclotron resonance mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 1721-1732.	3.7	9
49	Perceiving the chemical language of Gram-negative bacteria: listening by high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2013, 405, 493-507.	3.7	13
50	An Interplay Between Infrared Multiphoton Dissociation Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry and Density Functional Theory Computations in the Characterization of a Tripodal Quinolin-8-Olate Gd(III) Complex. Journal of the American Society for Mass Spectrometry, 2013, 24, 589-601.	2.8	0
51	Fatty acid neutral losses observed in tandem mass spectrometry with collisionâ€induced dissociation allows regiochemical assignment of sulfoquinovosylâ€diacylglycerols. Journal of Mass Spectrometry, 2013, 48, 205-215.	1.6	25
52	Identification of glucosinolates in capers by LCâ€ESIâ€hybrid linear ion trap with Fourier transform ion cyclotron resonance mass spectrometry (LCâ€ESIâ€LTQâ€FTICR MS) and infrared multiphoton dissociation. Journal of Mass Spectrometry, 2012, 47, 1160-1169.	1.6	35
53	Establishing the occurrence of major and minor glucosinolates in Brassicaceae by LCâ€“ESI-hybrid linear ion-trap and Fourier-transform ion cyclotron resonance mass spectrometry. Phytochemistry, 2012, 73, 74-83.	2.9	73
54	Acylhomoserine Lactone Production by Bacteria Associated with Cultivated Mushrooms. Journal of Agricultural and Food Chemistry, 2011, 59, 11461-11472.	5.2	12

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55	Identification of unsaturated Nâ€acylhomoserine lactones in bacterial isolates of Rhodobacter sphaeroides by liquid chromatography coupled to electrospray ionizationâ€hybrid linear ion trapâ€Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2011, 25, 1817-1826.	1.5	16
56	Polybrominated diphenyl ethers (PBDEs) in Mediterranean mussels (Mytilus galloprovincialis) from selected Apulia coastal sites evaluated by GCâ€“HRMS. Journal of Mass Spectrometry, 2010, 45, 1046-1055.	1.6	19
57	A validated interpretation of the collision-induced dissociation of protonated 5'-methylthioadenosine through selected A+1 and A+2 isotope fragmentations by tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2010, 24, 2925-2930.	1.5	2
58	Accurate mass analysis of Nâ€acylâ€homoserineâ€lactones and cognate lactoneâ€opened compounds in bacterial isolates of Pseudomonas aeruginosa PAO1 by LCâ€ESIâ€LTQâ€FTICRâ€MS. Journal of Mass Spectrometry, 2009, 44, 182-192.	1.6	31
59	Comparison of two SPME fibers for the extraction of some off-flavor cork-taint compounds in bottled wines investigated by GCâ€“HRMS. Analytical and Bioanalytical Chemistry, 2009, 393, 2019-2027.	3.7	28
60	Identification and fragmentation pathways of caffeine metabolites in urine samples via liquid chromatography with positive electrospray ionization coupled to a hybrid quadrupole linear ion trap (LTQ) and Fourier transform ion cyclotron resonance mass spectrometry and tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1065-1074.	1.5	32
61	Mass spectrometric evidence for collisionally induced removal of H₂ from monoanions of ¹⁰B nidoâ€carborane derivatives investigated by electrospray ionization quadrupole linear ion trap and Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 1927-1933.	1.5	6
62	Analysis of Sâ€adenosylmethionine and related sulfur metabolites in bacterial isolates of Pseudomonas aeruginosa (BAAâ€47) by liquid chromatography/electrospray ionization coupled to a hybrid linear quadrupole ion trap and Fourier transform ion cyclotron resonance mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 3465-3477.	1.5	22
63	Profiling of Nâ€acylâ€homoserine lactones by liquid chromatography coupled with electrospray ionization and a hybrid quadrupole linear ionâ€trap and Fourierâ€transform ionâ€cyclotronâ€resonance mass spectrometry (LCâ€ESIâ€LTQâ€FTICRâ€MS). Journal of Mass Spectrometry, 2008, 43, 82-96.	1.6	38
64	Capillary Electrophoresis of Tropane Alkaloids and Glycoalkaloids Occurring in Solanaceae Plants. , 2008, 384, 171-203.		6
65	Polychlorinated biphenyls in contaminated soil samples evaluated by GCâ€“ECD with dual-column and GCâ€“HRMS. Chemosphere, 2008, 73, 104-112.	8.2	27
66	Occurrence of N-acyl-l-homoserine lactones in extracts of some Gram-negative bacteria evaluated by gas chromatographyâ€“mass spectrometry. Analytical Biochemistry, 2007, 361, 226-235.	2.4	81
67	A three-factor Doehlert matrix design in optimising the determination of octadecyltrimethylammonium bromide by cation-exchange chromatography with suppressed conductivity detection. Analytica Chimica Acta, 2007, 597, 129-136.	5.4	18
68	Improved determination of taurine by high-performance anion-exchange chromatography with integrated pulsed amperometric detection (HPAEC-IPAD). Analytical and Bioanalytical Chemistry, 2004, 378, 804-810.	3.7	24
69	Direct analysis of selectedN-acyl-L-homoserine lactones by gas chromatography/mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 1341-1344.	1.5	66
70	Quantitative determination of taurine in real samples by high-performance anion-exchange chromatography with integrated pulsed amperometric detection. Talanta, 2004, 64, 626-630.	5.5	21
71	Evaluation of glycoalkaloids in tubers of genetically modified virus Y-resistant potato plants (var.) Tj ETQq1 1 0.784314 rgBT /Overloc spectrometry (NACEâ€“ESIâ€“MS). Analytical and Bioanalytical Chemistry, 2003, 375, 799-804.	3.7	43
72	Determination of mono- and disaccharides in milk and milk products by high-performance anion-exchange chromatography with pulsed amperometric detection. Analytica Chimica Acta, 2003, 485, 43-49.	5.4	37

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73	Determination of glycoalkaloids and relative aglycones by nonaqueous capillary electrophoresis coupled with electrospray ionization-ion trap mass spectrometry. Electrophoresis, 2002, 23, 2904-2912.	2.4	61
74	Conformational study by CD of chirally tethered naphthalene moieties: Toward an understanding of the asymmetric intramolecular coupling reaction?. , 2000, 12, 256-262.		7