

Giuliana Bianco

List of Publications by Year in descending order

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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	Occurrence of N-acyl-L-homoserine lactones in extracts of some Gram-negative bacteria evaluated by gas chromatography-mass spectrometry. <i>Analytical Biochemistry</i> , 2007, 361, 226-235.	2.4	81
2	Establishing the occurrence of major and minor glucosinolates in Brassicaceae by LC-ESI-hybrid linear ion-trap and Fourier-transform ion cyclotron resonance mass spectrometry. <i>Phytochemistry</i> , 2012, 73, 74-83.	2.9	73
3	Natural Polymeric Materials: A Solution to Plastic Pollution from the Agro-Food Sector. <i>Polymers</i> , 2021, 13, 158.	4.5	69
4	Direct analysis of selected N-acyl-L-homoserine lactones by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 1341-1344.	1.5	66
5	Determination of glycoalkaloids and relative aglycones by nonaqueous capillary electrophoresis coupled with electrospray ionization-ion trap mass spectrometry. <i>Electrophoresis</i> , 2002, 23, 2904-2912.	2.4	61
6	Biodegradation of carbamazepine and clarithromycin by <i>Trichoderma harzianum</i> and <i>Pleurotus ostreatus</i> investigated by liquid chromatography-high-resolution tandem mass spectrometry (FTICR). <i>Journal of Chromatography B</i> , 2010, 878, 103-110.	3.0	60
7	Identification of major <i>Toxoneuron nigriceps</i> venom proteins using an integrated transcriptomic/proteomic approach. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 49-61.	2.7	44
8	Evaluation of glycoalkaloids in tubers of genetically modified virus Y-resistant potato plants (var.) by LC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 799-804.	3.7	43
9	Detection and quantification of Covid-19 antiviral drugs in biological fluids and tissues. <i>Talanta</i> , 2021, 224, 121862.	5.5	43
10	Biohydrogen from Microalgae: Production and Applications. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1616.	2.5	40
11	Mass spectrometry-based phytochemical screening for hypoglycemic activity of Fagioli di Sarconi beans (<i>Phaseolus vulgaris</i> L.). <i>Food Chemistry</i> , 2018, 242, 497-504.	8.2	39
12	Profiling of N-acyl-L-homoserine lactones by liquid chromatography coupled with electrospray ionization and a hybrid quadrupole linear ion-trap and Fourier-transform ion cyclotron resonance mass spectrometry (LC-ESI-LTQ-FTICR-MS). <i>Journal of Mass Spectrometry</i> , 2008, 43, 82-96.	1.6	38
13	Determination of mono- and disaccharides in milk and milk products by high-performance anion-exchange chromatography with pulsed amperometric detection. <i>Analytica Chimica Acta</i> , 2003, 485, 43-49.	5.4	37
14	CO ₂ and N ₂ O from water resource recovery facilities: Evaluation of emissions from biological treatment, settling, disinfection, and receiving water body. <i>Science of the Total Environment</i> , 2019, 648, 1130-1140.	8.0	37
15	Profiling of quercetin glycosides and acyl glycosides in sun-dried peperoni di Senise peppers (<i>Capsicum</i>) by LC-ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3005-3015.	3.7	37
16	Acylated glucosinolates with diverse acyl groups investigated by high resolution mass spectrometry and infrared multiphoton dissociation. <i>Phytochemistry</i> , 2014, 100, 92-102.	2.9	36
17	Identification of glucosinolates in capers by LC-ESI-hybrid linear ion trap with Fourier transform ion cyclotron resonance mass spectrometry (LC-ESI-LTQ-FTICR MS) and infrared multiphoton dissociation. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1160-1169.	1.6	35
18	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. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1065-1074.	1.5	32

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19	Accurate mass analysis of <i>N</i> -acetylhomoserine lactones and cognate lactone-opened compounds in bacterial isolates of <i>Pseudomonas aeruginosa</i> PAO1 by LC-ESI-LTQ-FTICR-MS. <i>Journal of Mass Spectrometry</i> , 2009, 44, 182-192.	1.6	31
20	Dibenzo-p-dioxins and dibenzofurans in human breast milk collected in the area of Taranto (Southern) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	3.7	30
21	Comparison of two SPME fibers for the extraction of some off-flavor cork-taint compounds in bottled wines investigated by GC- ¹³ C-HRMS. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 2019-2027.	3.7	28
22	Biomolecules from snail mucus (<i>Helix aspersa</i>) conjugated gold nanoparticles, exhibiting potential wound healing and anti-inflammatory activity. <i>Soft Matter</i> , 2020, 16, 10876-10888.	2.7	28
23	Validation of an Analytical Method for Nitrite and Nitrate Determination in Meat Foods for Infants by Ion Chromatography with Conductivity Detection. <i>Foods</i> , 2020, 9, 1238.	4.3	28
24	Polychlorinated biphenyls in contaminated soil samples evaluated by GC-ECD with dual-column and GC-HRMS. <i>Chemosphere</i> , 2008, 73, 104-112.	8.2	27
25	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 chromatography-barrier ionization discharge detection. <i>Journal of Chromatography A</i> , 2018, 1548, 10-18.	3.7	27
26	Validation of a liquid chromatography coupled with tandem mass spectrometry method for the determination of drugs in wastewater using a three-phase solvent system. <i>Journal of Separation Science</i> , 2020, 43, 886-895.	2.5	27
27	Fatty acid neutral losses observed in tandem mass spectrometry with collision-induced dissociation allows regiochemical assignment of sulfoquinovosyl diacylglycerols. <i>Journal of Mass Spectrometry</i> , 2013, 48, 205-215.	1.6	25
28	Improved determination of taurine by high-performance anion-exchange chromatography with integrated pulsed amperometric detection (HPAEC-IPAD). <i>Analytical and Bioanalytical Chemistry</i> , 2004, 378, 804-810.	3.7	24
29	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. <i>Journal of Chromatography A</i> , 2017, 1480, 62-69.	3.7	24
30	Determination of soyasaponins in Fagioli di Sarconi beans (<i>Phaseolus vulgaris</i> L.) by LC-ESI-FTICR-MS and evaluation of their hypoglycemic activity. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 1561-1569.	3.7	24
31	Analytical Methods for Extraction and Identification of Primary and Secondary Metabolites of Apple (<i>Malus domestica</i>) Fruits: A Review. <i>Separations</i> , 2021, 8, 91.	2.4	23
32	Analysis of <i>S</i> -adenosylmethionine and related sulfur metabolites in bacterial isolates of <i>Pseudomonas aeruginosa</i> (BAA47) by liquid chromatography/electrospray ionization coupled to a hybrid linear quadrupole ion trap and Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 3465-3477.	1.5	22
33	Quantitative determination of taurine in real samples by high-performance anion-exchange chromatography with integrated pulsed amperometric detection. <i>Talanta</i> , 2004, 64, 626-630.	5.5	21
34	<i>Pistacia lentiscus</i> Hydrosol: Untargeted Metabolomic Analysis and Anti-Inflammatory Activity Mediated by NF- κ B and the Citrate Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	4.0	21
35	Polybrominated diphenyl ethers (PBDEs) in Mediterranean mussels (<i>Mytilus galloprovincialis</i>) from selected Apulia coastal sites evaluated by GC-HRMS. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1046-1055.	1.6	19
36	A three-factor Doehlert matrix design in optimising the determination of octadecyltrimethylammonium bromide by cation-exchange chromatography with suppressed conductivity detection. <i>Analytica Chimica Acta</i> , 2007, 597, 129-136.	5.4	18

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37	Investigation of the Effects of Virgin Olive Oil Cleaning Systems on the Secoiridoid Aglycone Content Using High Performance Liquid Chromatography–Mass Spectrometry. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 665-671.	1.9	18
38	Identification of unsaturated N-acylhomoserine lactones in bacterial isolates of <i>Rhodobacter sphaeroides</i> by liquid chromatography coupled to electrospray ionization–hybrid linear ion trap–Fourier transform ion cyclotron resonance mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1817-1826.	1.5	16
39	Effect of pH and mobile phase additives on the chromatographic behaviour of an amide–embedded stationary phase: Cyanocobalamin and its diamine–monochloro–platinum(II) conjugate as a case study. <i>Journal of Separation Science</i> , 2019, 42, 1155-1162.	2.5	15
40	Detection of choline in biological fluids from patients on haemodialysis by an amperometric biosensor based on a novel anti-interference bilayer. <i>Bioelectrochemistry</i> , 2019, 129, 135-143.	4.6	14
41	Perceiving the chemical language of Gram-negative bacteria: listening by high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 493-507.	3.7	13
42	Electron-Transfer Secondary Reaction Matrices for MALDI MS Analysis of <i>Bacteriochlorophyll a</i> in <i>Rhodobacter sphaeroides</i> and Its Zinc and Copper Analogue Pigments. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 125-135.	2.8	13
43	Characterization of Quercetin Derivatives in Crossing Combination of Habanero White and <i>Capsicum annuum</i> Peppers and of Anti-Inflammatory and Cytotoxic Activity. <i>Separations</i> , 2021, 8, 90.	2.4	13
44	Acylhomoserine Lactone Production by Bacteria Associated with Cultivated Mushrooms. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 11461-11472.	5.2	12
45	Structural characterization of major soyasaponins in traditional cultivars of Fagioli di Sarconi beans investigated by high-resolution tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6381-6389.	3.7	11
46	Scrambling of autoinducing precursor peptides investigated by infrared multiphoton dissociation with electrospray ionization and Fourier transform ion cyclotron resonance mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 1721-1732.	3.7	9
47	Effect of Storage and Extraction Protocols on the Lipid and Fatty Acid Profiles of <i>Dicentrarchus labrax</i> Brain. <i>Food Analytical Methods</i> , 2017, 10, 4003-4012.	2.6	9
48	Influence of Horizontal Centrifugation Processes on the Content of Phenolic Secoiridoids and Their Oxidized Derivatives in Commercial Olive Oils: An Insight by Liquid Chromatography–High-Resolution Mass Spectrometry and Chemometrics. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3171-3183.	5.2	9
49	Investigation of Glucosinolates by Mass Spectrometry. <i>Reference Series in Phytochemistry</i> , 2017, , 431-461.	0.4	9
50	Identification of two arginine kinase forms of endoparasitoid <i>Leptomastix dactylopii</i> venom by bottom up–sequence tag approach. <i>Journal of Mass Spectrometry</i> , 2015, 50, 756-765.	1.6	8
51	Coceth sulfate characterization by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8884.	1.5	8
52	Untargeted analysis of pure snail slime and snail slime–induced Au nanoparticles metabolome with MALDI FT–ICR MS. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4722.	1.6	8
53	Conformational study by CD of chirally tethered naphthalene moieties: Toward an understanding of the asymmetric intramolecular coupling reaction?. , 2000, 12, 256-262.		7
54	Analysis of surfactants by mass spectrometry: Coming to grips with their diversity. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1557-1588.	5.4	7

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55	Capillary Electrophoresis of Tropane Alkaloids and Glycoalkaloids Occurring in Solanaceae Plants. , 2008, 384, 171-203.		6
56	Mass spectrometric evidence for collisionally induced removal of H ₂ from monoanions of ¹⁰ B ¹¹ B 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
57	Molecular formula analysis of fragment ions by isotope-selective collision-induced dissociation tandem mass spectrometry of pharmacologically active compounds. Journal of Mass Spectrometry, 2014, 49, 1322-1329.	1.6	6
58	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
59	Hemp Chemotype Definition by Cannabinoids Characterization Using LC-ESI(+)-LTQ-FTICR MS and Infrared Multiphoton Dissociation. Separations, 2021, 8, 245.	2.4	6
60	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
61	Allosteric Enzyme-Based Biosensors Kinetic Behaviours of Immobilised L-Lysine Oxidase from Trichoderma viride: pH Influence and Allosteric Properties. Biosensors, 2020, 10, 145.	4.7	5
62	Electrosynthesized Poly(o-aminophenol) Films as Biomimetic Coatings for Dopamine Detection on Pt Substrates. Chemosensors, 2021, 9, 280.	3.6	5
63	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
64	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
65	The Investigation of Glucosinolates by Mass Spectrometry. , 2016, , 1-32.		3
66	Exploiting the Anti-Inflammatory Potential of White Capsicum Extract by the Nanoformulation in Phospholipid Vesicles. Antioxidants, 2021, 10, 1683.	5.1	3
67	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
68	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
69	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
70	Sequence Protein Identification by Randomized Sequence Database and Transcriptome Mass Spectrometry (SPIDER-TMS): From Manual to Automatic Application of a <i>de Novo</i> Sequencing™ Approach. European Journal of Mass Spectrometry, 2016, 22, 193-198.	1.0	2
71	Phosphodiesterase-5 (PDE-5) Inhibitors as Emergent Environmental Contaminants: Advanced Remediation and Analytical Methods. Water (Switzerland), 2021, 13, 2859.	2.7	2
72	LC/MS Based Food Metabolomics. , 2021, , 39-53.		1

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73	Simulated Ageing of Crude Oil and Advanced Oxidation Processes for Water Remediation since Crude Oil Pollution. <i>Catalysts</i> , 2021, 11, 954.	3.5	1
74	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. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 589-601.	2.8	0