

David Bongiorno

List of Publications by Year in descending order

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53
papers

1,111
citations

394286

19
h-index

414303

32
g-index

54
all docs

54
docs citations

54
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of liquid chromatography–mass spectrometry for food analysis. <i>Journal of Chromatography A</i> , 2012, 1259, 74-85.	1.8	172
2	Triacylglycerols in edible oils: Determination, characterization, quantitation, chemometric approach and evaluation of adulterations. <i>Journal of Chromatography A</i> , 2017, 1515, 1-16.	1.8	94
3	High performance liquid chromatography–mass spectrometry based chemometric characterization of olive oils. <i>Journal of Chromatography A</i> , 2005, 1078, 90-97.	1.8	74
4	Quantitative evaluation of the phenolic profile in fruits of six avocado (<i>Persea americana</i>) cultivars by ultra-high-performance liquid chromatography-heated electrospray-mass spectrometry. <i>International Journal of Food Properties</i> , 2017, 20, 1302-1312.	1.3	56
5	Antioxidant activity and phenolic composition in pomegranate (<i>Punica granatum</i> L.) genotypes from south Italy by UHPLC–Orbitrap–MS approach. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 1038-1045.	1.7	50
6	Localization and interactions of melatonin in dry cholesterol/lecithin mixed reversed micelles used as cell membrane models. <i>Journal of Pineal Research</i> , 2005, 38, 292-298.	3.4	37
7	Structural and physicochemical characterization of the inclusion complexes of cyclomaltooligosaccharides (cyclodextrins) with melatonin. <i>Carbohydrate Research</i> , 2002, 337, 743-754.	1.1	36
8	Surfactant self-assembling in gas phase: electrospray ionization- and matrix-assisted laser desorption/ionization-mass spectrometry of singly charged AOT clusters. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1618-1625.	0.7	36
9	Study of the coordination of ortho-tyrosine and trans-4-hydroxyproline with aluminum(III) and iron(III). <i>Journal of Molecular Liquids</i> , 2018, 269, 387-397.	2.3	36
10	Analysis of sterols by high-performance liquid chromatography/mass spectrometry combined with chemometrics. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2433-2440.	0.7	35
11	Mass Spectrometry of Surfactant Aggregates. <i>European Journal of Mass Spectrometry</i> , 2011, 17, 525-541.	0.5	31
12	Investigation on the influence of spray-drying technology on the quality of Sicilian Nero d'Avola wines. <i>Food Chemistry</i> , 2018, 240, 222-230.	4.2	28
13	Melatonin: structural characterization of its non-enzymatic mono-oxygenate metabolite. <i>Journal of Pineal Research</i> , 2003, 35, 269-275.	3.4	23
14	Sicilian <i>Opuntia ficus-indica</i> seed oil: Fatty acid composition and bioeconomical aspects. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1700232.	1.0	23
15	Improvement of a rapid direct blood culture microbial identification protocol using MALDI-TOF MS and performance comparison with Sepsityper kit. <i>Journal of Microbiological Methods</i> , 2018, 155, 1-7.	0.7	23
16	Do electrospray mass spectra of surfactants mirror their aggregation state in solution?. <i>Journal of Mass Spectrometry</i> , 2011, 46, 1263-1268.	0.7	21
17	Determination of the cultivar and aging of Sicilian olive oils using HPLC–MS and linear discriminant analysis. <i>Journal of Mass Spectrometry</i> , 2010, 45, 989-995.	0.7	20
18	Effect of solid waste landfill organic pollutants on groundwater in three areas of Sicily (Italy) characterized by different vulnerability. <i>Environmental Science and Pollution Research</i> , 2017, 24, 16869-16882.	2.7	20

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19	A Fatal Case of a Paint Thinner Ingestion. American Journal of Forensic Medicine and Pathology, 2010, 31, 186-191.	0.4	19
20	Supramolecular Aggregates in Vacuum: Positively Mono-Charged Sodium Alkanesulfonate Clusters. European Journal of Mass Spectrometry, 2010, 16, 151-161.	0.5	18
21	Effects of the net charge on abundance and stability of supramolecular surfactant aggregates in gas phase. Journal of Mass Spectrometry, 2011, 46, 195-201.	0.7	18
22	Inclusion complexes of cyclomaltooligosaccharides (cyclodextrins) with melatonin in solid phase. Arkivoc, 2005, 2005, 118-130.	0.3	18
23	Spectrophotometric investigation of the binding of vitamin E to water-containing reversed micelles. International Journal of Pharmaceutics, 2002, 234, 249-255.	2.6	17
24	Degrees of freedom effect on fragmentation in tandem mass spectrometry of singly charged supramolecular aggregates of sodium sulfonates. Journal of Mass Spectrometry, 2013, 48, 379-383.	0.7	17
25	Electrospray Ion Mobility Mass Spectrometry of Positively Charged Sodium Bis(2-Ethylhexyl)Sulfosuccinate Aggregates. European Journal of Mass Spectrometry, 2014, 20, 169-175.	0.5	16
26	Bioactive Phenols determination in olive oils: Recent mass spectrometry approaches. Mass Spectrometry Reviews, 2023, 42, 1462-1502.	2.8	16
27	Guest-to-host proton transfer in melatonin- γ -cyclodextrin inclusion complex by ionspray, fast atom bombardment and tandem mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 1189-1194.	0.7	15
28	Charged supramolecular assemblies of surfactant molecules in gas phase. Mass Spectrometry Reviews, 2016, 35, 170-187.	2.8	15
29	Interactions of α -tocopherol with biomembrane models: Binding to dry lecithin reversed micelles. International Journal of Pharmaceutics, 2006, 312, 96-104.	2.6	13
30	Electrospray ion mobility mass spectrometry of positively and negatively charged (1 <i>R</i> ,2 <i>S</i>)-dodecyl(2-hydroxy-1-methyl-2-phenylethyl)dimethylammonium bromide aggregates. Rapid Communications in Mass Spectrometry, 2016, 30, 230-238.	0.7	11
31	One-Pot Analysis: a New Integrated Methodology for Determination of TAG and FA Determination through LC/MS and in-silico Saponification. Food Analytical Methods, 2018, 11, 873-882.	1.3	11
32	Fatty Acids and Triacylglycerols Profiles from Sicilian (Cold Pressed vs. Soxhlet) Grape Seed Oils. Sustainability, 2021, 13, 13038.	1.6	11
33	Micelles, Rods, Liposomes, and Other Supramolecular Surfactant Aggregates: Computational Approaches. Interdisciplinary Sciences, Computational Life Sciences, 2017, 9, 392-405.	2.2	10
34	H-NMR and FT-IR study of the state of melatonin confined in membrane models: location and interactions of melatonin in water free lecithin and AOT reversed micelles. Arkivoc, 2004, 2004, 251-262.	0.3	10
35	Collision induced fragmentations of multiply charged sodium bis(2-ethylhexyl)-sulfosuccinate aggregates in gas phase: neutral loss versus charge separation. International Journal of Mass Spectrometry, 2016, 409, 29-37.	0.7	8
36	Recent Approaches for Chemical Speciation and Analysis by Electrospray Ionization (ESI) Mass Spectrometry. Frontiers in Chemistry, 2020, 8, 625945.	1.8	8

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37	Halogenated Anesthetics Determination in Urine by SPME/GC/MS and Urine Levels Relationship Evaluation with Surgical Theatres Contamination. <i>Journal of Analytical Methods in Chemistry</i> , 2014, 2014, 1-8.	0.7	7
38	Groundwater of Sicily (Italy) Close to Landfill Sites: Quality and Human Health Risk Assessment. <i>Exposure and Health</i> , 2021, 13, 535-550.	2.8	6
39	Co-inertia multivariate approach for the evaluation of anthropogenic impact on two commercial fish along Tyrrhenian coasts. <i>Ecotoxicology and Environmental Safety</i> , 2019, 182, 109435.	2.9	5
40	FragClust and TestClust, two informatics tools for chemical structure hierarchical clustering analysis applied to lipidomics. The example of Alzheimer's disease. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2215-2226.	1.9	4
41	Effect of a co-substrate supply in a MBR treating shipboard slop: Analysis of hydrocarbon removal, biomass activity and membrane fouling tendency. <i>Biochemical Engineering Journal</i> , 2018, 140, 178-188.	1.8	4
42	Studies in organic mass spectrometry. Part 25. Benzyl ion formation in chemical ionisation (methane) Tj ETQq0 0 0 rgBT /Oveçlock 10 Tf		
43	Gas-Phase Ion Chemistry of Protonated Melatonin. <i>European Journal of Mass Spectrometry</i> , 2009, 15, 199-208.	0.5	3
44	Self-assembly and intra-cluster reactions of erbium and ytterbium bis(2-ethylhexyl)sulfosuccinates in the gas phase. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 2523-2530.	0.7	3
45	Multivariate analysis of historical data (2004-2013) in assessing the possible environmental impact of the Bellolampo landfill (Palermo). <i>Environmental Monitoring and Assessment</i> , 2018, 190, 216.	1.3	3
46	Characterization of Isomeric 1,2,4-Oxadiazolyl-N-Methylpyridinium Salts by Electrospray Ionization Tandem Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 199-205.	0.5	2
47	Green and Quick Extraction of Stable Biophenol-Rich Red Extracts from Grape Processing Waste. <i>ACS Food Science & Technology</i> , 2021, 1, 937-942.	1.3	2
48	Benzyl ions from 1,1-(2,4-dimethoxyphenyl)-substituted 2-methylpropanes under electron ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 3081-3088.	0.7	1
49	The young hard active Sun: soft X-ray irradiation of tryptophan in water solutions. <i>International Journal of Astrobiology</i> , 2011, 10, 67-75.	0.9	1
50	Automated untargeted stable isotope assisted lipidomics of liver cells on high glucose shows alteration of sphingolipid kinetics. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158656.	1.2	1
51	Micelles of the chiral biocompatible surfactant (1R,2S)-dodecyl(2-hydroxy-1-methyl-2-phenylethyl)dimethylammonium bromide (DMEB): molecular dynamics and fragmentation patterns in the gas phase. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1158-1168.	0.7	0
52	Entrapment of amino acids in gas phase surfactant assemblies: The case of tryptophan confined in positively charged (1R,2S)-dodecyl(2-hydroxy-1-methyl-2-phenylethyl) dimethylammonium bromide aggregates. <i>Journal of Mass Spectrometry</i> , 2017, 52, 681-688.	0.7	0
53	Interactions of tryptophan and serotonin with biomembrane models: binding to reversed micellar systems of ionic and non ionic surfactants. <i>Bollettino Chimico Farmaceutico</i> , 2001, 140, 254-7.	0.1	0