

Donatella Aiello

List of Publications by Year in descending order

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35
papers

919
citations

331670

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h-index

477307

29
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35
all docs

35
docs citations

35
times ranked

707
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometry-Based Proteomic Approach in <i>Oenococcus oeni</i> Enological Starter. Journal of Proteome Research, 2014, 13, 2856-2866.	3.7	48
2	Evaluation of dialdehydic anti-inflammatory active principles in extra-virgin olive oil by reactive paper spray mass spectrometry. International Journal of Mass Spectrometry, 2013, 352, 87-91.	1.5	47
3	Multistage Mass Spectrometry in Quality, Safety and Origin of Foods. European Journal of Mass Spectrometry, 2011, 17, 1-31.	1.0	46
4	A major allergen in rainbow trout (<i>Oncorhynchus mykiss</i>): complete sequences of parvalbumin by MALDI tandem mass spectrometry. Molecular BioSystems, 2015, 11, 2373-2382.	2.9	43
5	A rapid MALDI MS/MS based method for assessing saffron (<i>Crocus sativus</i> L.) adulteration. Food Chemistry, 2020, 307, 125527.	8.2	42
6	An insight on type I collagen from horse tendon for the manufacture of implantable devices. International Journal of Biological Macromolecules, 2020, 154, 291-306.	7.5	42
7	Exploitation of Endogenous Protease Activity in Raw Mastitic Milk by MALDI-TOF/TOF. Analytical Chemistry, 2007, 79, 5941-5948.	6.5	39
8	Vegetable Proteomics: The Detection of Ole e 1 Isoallergens by Peptide Matching of MALDI MS/MS Spectra of Underivatized and Dansylated Glycopeptides. Journal of Proteome Research, 2008, 7, 2723-2732.	3.7	36
9	Determination of ketosteroid hormones in meat by liquid chromatography tandem mass spectrometry and derivatization chemistry. Analytical and Bioanalytical Chemistry, 2015, 407, 5835-5842.	3.7	36
10	Study of the coordination of ortho-tyrosine and trans-4-hydroxyproline with aluminum(III) and iron(III). Journal of Molecular Liquids, 2018, 269, 387-397.	4.9	36
11	Solid Phase Isobaric Mass Tag Reagent for Simultaneous Protein Identification and Assay. Analytical Chemistry, 2010, 82, 5552-5560.	6.5	35
12	Targeted proteomic approach in prostatic tissue: a panel of potential biomarkers for cancer detection. Oncoscience, 2016, 3, 220-241.	2.2	34
13	Profiling of Hydrophilic Proteins from <i>Olea europaea</i> Olive Pollen by MALDI TOF Mass Spectrometry. Analytical Chemistry, 2006, 78, 3434-3443.	6.5	32
14	Glycation sites in neoglycoglycoconjugates from the terminal monosaccharide antigen of the O ϵ PS of <i>Vibrio cholerae</i> O1, serotype Ogawa, and BSA revealed by matrix-assisted laser desorption/ionization tandem mass spectrometry. Journal of Mass Spectrometry, 2010, 45, 1148-1159.	1.6	32
15	N-hydroxysuccinimidyl p-methoxybenzoate as suitable derivative reagent for isotopic dilution assay of biogenic amines in food. Journal of Mass Spectrometry, 2014, 49, 802-810.	1.6	32
16	Insight on the chelation of aluminum(III) and iron(III) by curcumin in aqueous solution. Journal of Molecular Liquids, 2019, 296, 111805.	4.9	32
17	MS-based proteomic analysis of cardiac response to hypoxia in the goldfish (<i>Carassius auratus</i>). Scientific Reports, 2019, 9, 18953.	3.3	32
18	Sequestering Ability of Oligophosphate Ligands toward Al ³⁺ in Aqueous Solution. Journal of Chemical & Engineering Data, 2017, 62, 3981-3990.	1.9	32

#	ARTICLE	IF	CITATIONS
19	Mass spectrometry and potentiometry studies of Pb(II) and Cd(II) and Zn(II)-cystine complexes. Dalton Transactions, 2014, 43, 1055-1062.	3.3	31
20	Molecular species fingerprinting and quantitative analysis of saffron (<i>Crocus sativus</i> L.) for quality control by MALDI mass spectrometry. RSC Advances, 2018, 8, 36104-36113.	3.6	31
21	Human coelomic fluid investigation: A MS-based analytical approach to prenatal screening. Scientific Reports, 2018, 8, 10973.	3.3	28
22	Complexation of As(III) by phosphonate ligands in aqueous fluids: Thermodynamic behavior, chemical binding forms and sequestering abilities. Journal of Environmental Sciences, 2020, 94, 100-110.	6.1	22
23	Protein Extraction, Enrichment and MALDI MS and MS/MS Analysis from Bitter Orange Leaves (<i>Citrus</i>) Tj ETQq1 1 0,784314 rgBT /Over	3.8	21
24	Chemoselective Protection of Glutathione in the Preparation of Bioconjugates: The Case of Trypanothione Disulfide. Journal of Organic Chemistry, 2016, 81, 4353-4358.	3.2	17
25	Vehicular Emission: Estimate of Air Pollutants to Guide Local Political Choices. A Case Study. Environments - MDPI, 2020, 7, 37.	3.3	17
26	Functional characterization of the partially purified Sac1p independent adenine nucleotide transport system (ANTS) from yeast endoplasmic reticulum. Journal of Biochemistry, 2018, 164, 313-322.	1.7	16
27	Cloning, Purification, and Characterization of the Catalytic C-Terminal Domain of the Human 3-Hydroxy-3-methyl glutaryl-CoA Reductase: An Effective, Fast, and Easy Method for Testing Hypocholesterolemic Compounds. Molecular Biotechnology, 2020, 62, 119-131.	2.4	11
28	Ca ²⁺ Complexation With Relevant Bioligands in Aqueous Solution: A Speciation Study With Implications for Biological Fluids. Frontiers in Chemistry, 2021, 9, 640219.	3.6	10
29	2,3-Diaminopropanols Obtained from d-Serine as Intermediates in the Synthesis of Protected 2,3-Diaminopropanoic Acid (l-Dap) Methyl Esters. Molecules, 2020, 25, 1313.	3.8	9
30	The mitochondrial aspartate/glutamate carrier (AGC or Aralar1) isoforms in <i>D. melanogaster</i> : biochemical characterization, gene structure, and evolutionary analysis. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129854.	2.4	9
31	Analytical Strategy for MS-Based Thanatochemistry to Estimate Postmortem Interval. Journal of Proteome Research, 2021, 20, 2607-2617.	3.7	8
32	Binding ability of arsenate towards Cu ²⁺ and Zn ²⁺ : thermodynamic behavior and simulation under natural water conditions. Environmental Sciences: Processes and Impacts, 2020, 22, 1731-1742.	3.5	7
33	Speciation Study on O-Phosphorylethanolamine and O-Phosphorylcholine: Acid-Base Behavior and Mg ²⁺ Interaction. Frontiers in Chemistry, 2022, 10, 864648.	3.6	6
34	The use of Hydrazine-based Derivatization technique to characterize glycosyl esters of crocetin from Saffron. IOP Conference Series: Materials Science and Engineering, 2021, 1048, 012007.	0.6	0
35	Mass Spectrometry-Based Proteomic Approach in <i>Juglans regia</i> . Key Engineering Materials, 0, 885, 25-31.	0.4	0