

Donatella Aiello

List of Publications by Year in descending order

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35
papers

919
citations

331670

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477307

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35
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docs citations

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times ranked

707
citing authors

#	ARTICLE	IF	CITATIONS
1	Speciation Study on O-Phosphorylethanolamine and O-Phosphorylcholine: Acid-Base Behavior and Mg ²⁺ Interaction. <i>Frontiers in Chemistry</i> , 2022, 10, 864648.	3.6	6
2	The use of Hydrazine-based Derivatization technique to characterize glycosyl esters of crocetin from Saffron. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1048, 012007.	0.6	0
3	Ca ²⁺ Complexation With Relevant Bioligands in Aqueous Solution: A Speciation Study With Implications for Biological Fluids. <i>Frontiers in Chemistry</i> , 2021, 9, 640219.	3.6	10
4	Analytical Strategy for MS-Based Thanatochemistry to Estimate Postmortem Interval. <i>Journal of Proteome Research</i> , 2021, 20, 2607-2617.	3.7	8
5	The mitochondrial aspartate/glutamate carrier (AGC or Aralar1) isoforms in <i>D. melanogaster</i> : biochemical characterization, gene structure, and evolutionary analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129854.	2.4	9
6	A rapid MALDI MS/MS based method for assessing saffron (<i>Crocus sativus</i> L.) adulteration. <i>Food Chemistry</i> , 2020, 307, 125527.	8.2	42
7	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. <i>Molecular Biotechnology</i> , 2020, 62, 119-131.	2.4	11
8	Binding ability of arsenate towards Cu ²⁺ and Zn ²⁺ : thermodynamic behavior and simulation under natural water conditions. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 1731-1742.	3.5	7
9	Complexation of As(III) by phosphonate ligands in aqueous fluids: Thermodynamic behavior, chemical binding forms and sequestering abilities. <i>Journal of Environmental Sciences</i> , 2020, 94, 100-110.	6.1	22
10	Vehicular Emission: Estimate of Air Pollutants to Guide Local Political Choices. A Case Study. <i>Environments - MDPI</i> , 2020, 7, 37.	3.3	17
11	2,3-Diaminopropanols Obtained from d-Serine as Intermediates in the Synthesis of Protected 2,3-l-Diaminopropanoic Acid (l-Dap) Methyl Esters. <i>Molecules</i> , 2020, 25, 1313.	3.8	9
12	An insight on type I collagen from horse tendon for the manufacture of implantable devices. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 291-306.	7.5	42
13	Protein Extraction, Enrichment and MALDI MS and MS/MS Analysis from Bitter Orange Leaves (<i>Citrus</i>) Tj ETQq1 1 0,784314 r _g BT /Ove	3.8	21
14	Insight on the chelation of aluminum(III) and iron(III) by curcumin in aqueous solution. <i>Journal of Molecular Liquids</i> , 2019, 296, 111805.	4.9	32
15	MS-based proteomic analysis of cardiac response to hypoxia in the goldfish (<i>Carassius auratus</i>). <i>Scientific Reports</i> , 2019, 9, 18953.	3.3	32
16	Molecular species fingerprinting and quantitative analysis of saffron (<i>Crocus sativus</i> L.) for quality control by MALDI mass spectrometry. <i>RSC Advances</i> , 2018, 8, 36104-36113.	3.6	31
17	Human coelomic fluid investigation: A MS-based analytical approach to prenatal screening. <i>Scientific Reports</i> , 2018, 8, 10973.	3.3	28
18	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.	4.9	36

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19	Functional characterization of the partially purified Sac1p independent adenine nucleotide transport system (ANTS) from yeast endoplasmic reticulum. <i>Journal of Biochemistry</i> , 2018, 164, 313-322.	1.7	16
20	Sequestering Ability of Oligophosphate Ligands toward Al ³⁺ in Aqueous Solution. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 3981-3990.	1.9	32
21	Chemoselective Protection of Glutathione in the Preparation of Bioconjugates: The Case of Trypanothione Disulfide. <i>Journal of Organic Chemistry</i> , 2016, 81, 4353-4358.	3.2	17
22	Targeted proteomic approach in prostatic tissue: a panel of potential biomarkers for cancer detection. <i>Oncoscience</i> , 2016, 3, 220-241.	2.2	34
23	Determination of ketosteroid hormones in meat by liquid chromatography tandem mass spectrometry and derivatization chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5835-5842.	3.7	36
24	A major allergen in rainbow trout (<i>Oncorhynchus mykiss</i>): complete sequences of parvalbumin by MALDI tandem mass spectrometry. <i>Molecular BioSystems</i> , 2015, 11, 2373-2382.	2.9	43
25	N-hydroxysuccinimidyl p-methoxybenzoate as suitable derivative reagent for isotopic dilution assay of biogenic amines in food. <i>Journal of Mass Spectrometry</i> , 2014, 49, 802-810.	1.6	32
26	Mass spectrometry and potentiometry studies of Pb ²⁺ , Cd ²⁺ and Zn ²⁺ -cystine complexes. <i>Dalton Transactions</i> , 2014, 43, 1055-1062.	3.3	31
27	Mass Spectrometry-Based Proteomic Approach in <i>Oenococcus oeni</i> Enological Starter. <i>Journal of Proteome Research</i> , 2014, 13, 2856-2866.	3.7	48
28	Evaluation of dialdehydic anti-inflammatory active principles in extra-virgin olive oil by reactive paper spray mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2013, 352, 87-91.	1.5	47
29	Multistage Mass Spectrometry in Quality, Safety and Origin of Foods. <i>European Journal of Mass Spectrometry</i> , 2011, 17, 1-31.	1.0	46
30	Glycation sites in neoglycoglycoconjugates from the terminal monosaccharide antigen of the O ₆ PS of <i>Vibrio cholerae</i> O1, serotype Ogawa, and BSA revealed by matrix-assisted laser desorption/ionization tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 1148-1159.	1.6	32
31	Solid Phase Isobaric Mass Tag Reagent for Simultaneous Protein Identification and Assay. <i>Analytical Chemistry</i> , 2010, 82, 5552-5560.	6.5	35
32	Vegetable Proteomics: The Detection of Ole e 1 Isoallergens by Peptide Matching of MALDI MS/MS Spectra of Underivatized and Dansylated Glycopeptides. <i>Journal of Proteome Research</i> , 2008, 7, 2723-2732.	3.7	36
33	Exploitation of Endogenous Protease Activity in Raw Mastitic Milk by MALDI-TOF/TOF. <i>Analytical Chemistry</i> , 2007, 79, 5941-5948.	6.5	39
34	Profiling of Hydrophilic Proteins from <i>Olea europaea</i> Olive Pollen by MALDI TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 3434-3443.	6.5	32
35	Mass Spectrometry-Based Proteomic Approach in <i>Juglans regia</i> . <i>Key Engineering Materials</i> , 0, 885, 25-31.	0.4	0