

Mihly Dernovics

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

860
citations

18
h-index

28
g-index

41
ext. papers

962
ext. citations

4.8
avg, IF

3.96
L-index

#	Paper	IF	Citations
40	Determination of selenocysteine and selenomethionine in edible animal tissues by 2D size-exclusion reversed-phase HPLC-ICP MS following carbamidomethylation and proteolytic extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 390, 1789-98	4.4	90
39	A systematic approach to selenium speciation in selenized yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 114-120	3.7	62
38	Speciation analysis of selenium metabolites in yeast-based food supplements by ICPMS-assisted hydrophilic interaction HPLC-hybrid linear ion trap/Orbitrap MS(n). <i>Analytical Chemistry</i> , 2008 , 80, 3975-84	7.8	59
37	Retrospective screening of relevant pesticide metabolites in food using liquid chromatography high resolution mass spectrometry and accurate-mass databases of parent molecules and diagnostic fragment ions. <i>Journal of Chromatography A</i> , 2012 , 1249, 83-91	4.5	54
36	Identification of anionic selenium species in Se-rich yeast by electrospray QTOF MS/MS and hybrid linear ion trap/orbitrap MSn. <i>Metallomics</i> , 2009 , 1, 317-29	4.5	48
35	ICP-MS-assisted nanoHPLC-electrospray Q/time-of-flight MS/MS selenopeptide mapping in Brazil nuts. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 41-50	3.7	46
34	Determination of ethyl carbamate in pīnka spirits by liquid chromatography-electrospray tandem mass spectrometry after derivatization. <i>Food Research International</i> , 2010 , 43, 2452-2455	7	37
33	Preparation, homogeneity and stability studies of a candidate LRM for Se speciation. <i>Analytical and Bioanalytical Chemistry</i> , 2003 , 377, 32-8	4.4	36
32	A sequential extraction procedure for an insight into selenium speciation in garlic. <i>Talanta</i> , 2009 , 77, 1877-82	6.2	35
31	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 72-83	3.7	33
30	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast. <i>Journal of Analytical Atomic Spectrometry</i> , 2008 , 23, 744	3.7	32
29	Standardless identification of selenocystathionine and its gamma-glutamyl derivatives in monkeypot nuts by 3D liquid chromatography with ICP-MS detection followed by nanoHPLC-Q-TOF-MS/MS. <i>Analyst, The</i> , 2007 , 132, 439-49	5	27
28	Fate of selenium species in sesame seeds during simulated bakery process. <i>Journal of Food Engineering</i> , 2007 , 79, 494-501	6	27
27	Study of different HILIC, mixed-mode, and other aqueous normal-phase approaches for the liquid chromatography/mass spectrometry-based determination of challenging polar pesticides. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4857-69	4.4	27
26	Identification of new selenium non-peptide species in selenised yeast by nanoHPLC electrospray Q/time-of-flight-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 655-665	3.7	22
25	Quantification of Se-Methylselenocysteine and Its EGlutamyl Derivative from Naturally Se-Enriched Green Bean (<i>Phaseolus vulgaris vulgaris</i>) After HPLC-ESI-TOF-MS and Orbitrap MSn-Based Identification. <i>Food Analytical Methods</i> , 2014 , 7, 1147-1157	3.4	20
24	The relationship of selenium tolerance and speciation in Lecythidaceae species. <i>Metallomics</i> , 2013 , 5, 1663-73	4.5	20

23	Selenolanthionine is the major water-soluble selenium compound in the selenium tolerant plant <i>Cardamine violifolia</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 2354-2362	4	19
22	Detection of over 100 selenium metabolites in selenized yeast by liquid chromatography electrospray time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1060, 84-90	3.2	18
21	Analogy in selenium enrichment and selenium speciation between selenized yeast <i>Saccharomyces cerevisiae</i> and <i>Herichium erinaceus</i> (lion's mane mushroom). <i>LWT - Food Science and Technology</i> , 2016 , 68, 306-312	5.4	18
20	Metabolomic approach assisted high resolution LC-ESI-MS based identification of a xenobiotic derivative of fenhexamid produced by <i>Lactobacillus casei</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 8969-75	5.7	16
19	Accurate mass analysis and structure elucidation of selenium metabolites by liquid chromatography electrospray time-of-flight mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2007 , 22, 947-959	3.7	14
18	Selenium tolerance, accumulation, localization and speciation in a <i>Cardamine</i> hyperaccumulator and a non-hyperaccumulator. <i>Science of the Total Environment</i> , 2020 , 703, 135041	10.2	14
17	Elemental analysis in biotechnology. <i>Current Opinion in Biotechnology</i> , 2015 , 31, 93-100	11.4	10
16	Protein content determination in <i>Brassica oleracea</i> species using FT-NIR technique and PLS regression. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 436-440	3.8	8
15	Effect of sample preparation methods on the D,L-enantiomer ratio of extracted selenomethionine. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 373-80	4.4	8
14	Effective selenium detoxification in the seed proteins of a hyperaccumulator plant: the analysis of selenium-containing proteins of monkeypot nut (<i>Lecythis minor</i>) seeds. <i>Journal of Biological Inorganic Chemistry</i> , 2015 , 20, 23-33	3.7	7
13	Monitoring the degradation of atropine and scopolamine in soil after spiking with naturally contaminated organic millet. <i>Science of the Total Environment</i> , 2018 , 625, 1088-1092	10.2	7
12	Follow-up of the fate of imazalil from post-harvest lemon surface treatment to a baking experiment. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015 , 32, 1875-84	3.2	6
11	Production of Hypoallergenic Antibacterial Peptides from Defatted Soybean Meal in Membrane Bioreactor: A Bioprocess Engineering Study with Comprehensive Product Characterization. <i>Food Technology and Biotechnology</i> , 2017 , 55, 308-324	2.1	6
10	Preparative liquid isoelectric focusing (Rotofor IEF) based Se-speciation of Se-enriched <i>Agaricus bisporus</i> . <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 1485-1488	3.7	6
9	Characterisation of a hydraulic high-pressure sample introduction assisted flow injection-inductively coupled plasma time-of-flight mass spectrometry system and its application to the analysis of biological samples. <i>Talanta</i> , 2004 , 63, 705-12	6.2	6
8	Validation of the 2,3-dihydroxy-propionyl group in selenium speciation by chemical synthesis and LC-MS analyses. <i>RSC Advances</i> , 2014 , 4, 27532-27540	3.7	5
7	Synthesis and application of a Sec2-containing oligopeptide for method evaluation purposes in selenium speciation. <i>Talanta</i> , 2012 , 99, 186-93	6.2	5
6	Quantification of the Reduced Form of Coenzyme Q10, Ubiquinol, in Dietary Supplements with HPLC-ESI-MS/MS. <i>Food Analytical Methods</i> , 2015 , 8, 452-458	3.4	3

5	Water soluble selenometabolome of. <i>Metallomics</i> , 2020 , 12, 2032-2048	4.5	3
4	Occurrence and Determination of Tropane Alkaloids in Food and Feed 2020 , 1-32		3
3	Determination of Aminophosphonate Herbicides in Glutamate Loaded Spice Mix by LC-IDMS and Method Extension to Other Food Matrices. <i>Food Analytical Methods</i> ,1	3.4	2
2	LC-MS based metabolic fingerprinting of apricot pistils after self-compatible and self-incompatible pollinations. <i>Plant Molecular Biology</i> , 2021 , 105, 435-447	4.6	1
1	Sample Preparation Prior to As and Se Speciation597-642		