

# Mihly Dernovics

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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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	LC-MS based metabolic fingerprinting of apricot pistils after self-compatible and self-incompatible pollinations. <i>Plant Molecular Biology</i> , <b>2021</b> , 105, 435-447	4.6	1
39	Water soluble selenometabolome of. <i>Metallomics</i> , <b>2020</b> , 12, 2032-2048	4.5	3
38	Selenium tolerance, accumulation, localization and speciation in a Cardamine hyperaccumulator and a non-hyperaccumulator. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 135041	10.2	14
37	Occurrence and Determination of Tropane Alkaloids in Food and Feed <b>2020</b> , 1-32		3
36	Monitoring the degradation of atropine and scopolamine in soil after spiking with naturally contaminated organic millet. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 1088-1092	10.2	7
35	Selenolanthionine is the major water-soluble selenium compound in the selenium tolerant plant Cardamine violifolia. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2018</b> , 1862, 2354-2362	4	19
34	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> , <b>2017</b> , 1060, 84-90	3.2	18
33	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> , <b>2017</b> , 55, 308-324	2.1	6
32	Analogy in selenium enrichment and selenium speciation between selenized yeast <i>Saccharomyces cerevisiae</i> and <i>Hericium erinaceus</i> (lion's mane mushroom). <i>LWT - Food Science and Technology</i> , <b>2016</b> , 68, 306-312	5.4	18
31	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> , <b>2016</b> , 408, 4857-69	4.4	27
30	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> , <b>2015</b> , 32, 1875-84	3.2	6
29	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> , <b>2015</b> , 20, 23-33	3.7	7
28	Elemental analysis in biotechnology. <i>Current Opinion in Biotechnology</i> , <b>2015</b> , 31, 93-100	11.4	10
27	Quantification of the Reduced Form of Coenzyme Q10, Ubiquinol, in Dietary Supplements with HPLC-ESI-MS/MS. <i>Food Analytical Methods</i> , <b>2015</b> , 8, 452-458	3.4	3
26	Quantification of Se-Methylselenocysteine and Its $\gamma$ -Glutamyl 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> , <b>2014</b> , 7, 1147-1157	3.4	20
25	Validation of the 2,3-dihydroxy-propionyl group in selenium speciation by chemical synthesis and LC-MS analyses. <i>RSC Advances</i> , <b>2014</b> , 4, 27532-27540	3.7	5
24	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> , <b>2013</b> , 61, 8969-75	5.7	16

23	The relationship of selenium tolerance and speciation in Lecythidaceae species. <i>Metallomics</i> , <b>2013</b> , 5, 1663-73	4.5	20
22	Synthesis and application of a Sec2-containing oligopeptide for method evaluation purposes in selenium speciation. <i>Talanta</i> , <b>2012</b> , 99, 186-93	6.2	5
21	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> , <b>2012</b> , 1249, 83-91	4.5	54
20	Protein content determination in Brassica oleracea species using FT-NIR technique and PLS regression. <i>International Journal of Food Science and Technology</i> , <b>2012</b> , 47, 436-440	3.8	8
19	Effect of sample preparation methods on the D,L-enantiomer ratio of extracted selenomethionine. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 373-80	4.4	8
18	Determination of ethyl carbamate in pīnka spirits by liquid chromatography-electrospray tandem mass spectrometry after derivatization. <i>Food Research International</i> , <b>2010</b> , 43, 2452-2455	7	37
17	A sequential extraction procedure for an insight into selenium speciation in garlic. <i>Talanta</i> , <b>2009</b> , 77, 1877-82	6.2	35
16	Identification of anionic selenium species in Se-rich yeast by electrospray QTOF MS/MS and hybrid linear ion trap/orbitrap MSn. <i>Metallomics</i> , <b>2009</b> , 1, 317-29	4.5	48
15	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> , <b>2008</b> , 80, 3975-84	7.8	59
14	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 72-83	3.7	33
13	Characterization of the selenocysteine-containing metabolome in selenium-rich yeast. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2008</b> , 23, 744	3.7	32
12	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> , <b>2008</b> , 390, 1789-98	4.4	90
11	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> , <b>2007</b> , 132, 439-49	5	27
10	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> , <b>2007</b> , 22, 947-959	3.7	14
9	Fate of selenium species in sesame seeds during simulated bakery process. <i>Journal of Food Engineering</i> , <b>2007</b> , 79, 494-501	6	27
8	ICP-MS-assisted nanoHPLC-electrospray Q/time-of-flight MS/MS selenopeptide mapping in Brazil nuts. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2007</b> , 22, 41-50	3.7	46
7	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> , <b>2006</b> , 21, 655-665	3.7	22
6	A systematic approach to selenium speciation in selenized yeast. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2004</b> , 19, 114-120	3.7	62

5	Preparative liquid isoelectric focusing (Rotofor IEF) based Se-speciation of Se-enriched <i>Agaricus bisporus</i> . <i>Journal of Analytical Atomic Spectrometry</i> , <b>2004</b> , 19, 1485-1488	3-7	6
4	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> , <b>2004</b> , 63, 705-12	6.2	6
3	Preparation, homogeneity and stability studies of a candidate LRM for Se speciation. <i>Analytical and Bioanalytical Chemistry</i> , <b>2003</b> , 377, 32-8	4.4	36
2	Sample Preparation Prior to As and Se Speciation	597-642	
1	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