

Elisabeth Varga

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,825
citations

331670

21
h-index

265206

42
g-index

52
all docs

52
docs citations

52
times ranked

1831
citing authors

#	ARTICLE	IF	CITATIONS
1	New tricks of an old enemy: isolates of <i>Fusarium graminearum</i> produce a type A trichothecene mycotoxin. <i>Environmental Microbiology</i> , 2015, 17, 2588-2600.	3.8	145
2	Development and validation of a (semi-)quantitative UHPLC-MS/MS method for the determination of 191 mycotoxins and other fungal metabolites in almonds, hazelnuts, peanuts and pistachios. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5087-5104.	3.7	137
3	Simultaneous determination of major type A and B trichothecenes, zearalenone and certain modified metabolites in Finnish cereal grains with a novel liquid chromatography-tandem mass spectrometric method. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4745-4755.	3.7	133
4	The <i>Fusarium graminearum</i> Genome Reveals More Secondary Metabolite Gene Clusters and Hints of Horizontal Gene Transfer. <i>PLoS ONE</i> , 2014, 9, e110311.	2.5	124
5	Metabolism of Zearalenone and Its Major Modified Forms in Pigs. <i>Toxins</i> , 2017, 9, 56.	3.4	121
6	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2675-2686.	3.7	112
7	Survey of deoxynivalenol and its conjugates deoxynivalenol-3-glucoside and 3-acetyl-deoxynivalenol in 374 beer samples. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2013, 30, 137-146.	2.3	91
8	Zearalenone-16-O-glucoside: A New Masked Mycotoxin. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1181-1189.	5.2	81
9	Metabolism of the <i>Fusarium</i> Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7862-7872.	5.2	78
10	Effects of orally administered fumonisin B1 (FB1), partially hydrolysed FB1, hydrolysed FB1 and N-(1-deoxy-D-fructos-1-yl) FB1 on the sphingolipid metabolism in rats. <i>Food and Chemical Toxicology</i> , 2015, 76, 11-18.	3.6	66
11	Tracing the metabolism of HT-2 toxin and T-2 toxin in barley by isotope-assisted untargeted screening and quantitative LC-HRMS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8019-8033.	3.7	56
12	Comparative in vitro cytotoxicity of modified deoxynivalenol on porcine intestinal epithelial cells. <i>Food and Chemical Toxicology</i> , 2016, 95, 103-109.	3.6	55
13	Co-Occurrence and Combinatory Effects of <i>Alternaria</i> Mycotoxins and other Xenobiotics of Food Origin: Current Scenario and Future Perspectives. <i>Toxins</i> , 2019, 11, 640.	3.4	51
14	Production of fumonisins B2 and B4 in <i>Tolypocladium</i> species. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1329-1335.	3.0	50
15	Biochemical Characterization of a Recombinant UDP-glucosyltransferase from Rice and Enzymatic Production of Deoxynivalenol-3-O- ¹² -D-glucoside. <i>Toxins</i> , 2015, 7, 2685-2700.	3.4	40
16	A-, B- and C-type prymnesins are clade specific compounds and chemotaxonomic markers in <i>Prymnesium parvum</i> . <i>Harmful Algae</i> , 2019, 81, 10-17.	4.8	39
17	UDP-Glucosyltransferases from Rice, <i>Brachypodium</i> , and Barley: Substrate Specificities and Synthesis of Type A and B Trichothecene-3-O- ¹² -d-glucosides. <i>Toxins</i> , 2018, 10, 111.	3.4	35
18	Sampling of cereals and cereal-based foods for the determination of ochratoxin A: an overview. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2011, 28, 775-785.	2.3	31

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19	A Versatile Family 3 Glycoside Hydrolase from <i>Bifidobacterium adolescentis</i> Hydrolyzes β -Glucosides of the Fusarium Mycotoxins Deoxynivalenol, Nivalenol, and HT-2 Toxin in Cereal Matrices. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4885-4893.	3.1	26
20	Development, validation and application of an LC-MS/MS based method for the determination of deoxynivalenol and its conjugates in different types of beer. <i>World Mycotoxin Journal</i> , 2012, 5, 261-270.	1.4	24
21	Synthesis of Mono- and Di-Glucosides of Zearalenone and β -Zearalenol by Recombinant Barley Glucosyltransferase HvUGT14077. <i>Toxins</i> , 2017, 9, 58.	3.4	24
22	Simultaneous preparation of β -zearalenol glucosides and glucuronides. <i>Carbohydrate Research</i> , 2013, 373, 59-63.	2.3	22
23	Methylthio-deoxynivalenol (MTD): insight into the chemistry, structure and toxicity of thia-Michael adducts of trichothecenes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5144.	2.8	20
24	Critical evaluation of indirect methods for the determination of deoxynivalenol and its conjugated forms in cereals. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6009-6020.	3.7	20
25	Less-toxic rearrangement products of NX-toxins are formed during storage and food processing. <i>Toxicology Letters</i> , 2018, 284, 205-212.	0.8	18
26	Hydrolysed fumonisin B1 and N-(deoxy-D-fructos-1-yl)-fumonisin B1: stability and catabolic fate under simulated human gastrointestinal conditions. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, 98-103.	2.8	17
27	Identification and Characterization of Carboxylesterases from <i>Brachypodium distachyon</i> Deacetylating Trichothecene Mycotoxins. <i>Toxins</i> , 2016, 8, 6.	3.4	17
28	Combinatory effects of cereulide and deoxynivalenol on in vitro cell viability and inflammation of human Caco-2 cells. <i>Archives of Toxicology</i> , 2020, 94, 833-844.	4.2	17
29	Investigations on <i>Fusarium</i> spp. and their mycotoxins causing Fusarium ear rot of maize in Kosovo. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2013, 6, 237-243.	2.8	14
30	Isoflavones in Animals: Metabolism and Effects in Livestock and Occurrence in Feed. <i>Toxins</i> , 2021, 13, 836.	3.4	14
31	Gut microbiota and undigested food constituents modify toxin composition and suppress the genotoxicity of a naturally occurring mixture of <i>Alternaria</i> toxins in vitro. <i>Archives of Toxicology</i> , 2020, 94, 3541-3552.	4.2	13
32	In vitro interactions of <i>Alternaria</i> mycotoxins, an emerging class of food contaminants, with the gut microbiota: a bidirectional relationship. <i>Archives of Toxicology</i> , 2021, 95, 2533-2549.	4.2	12
33	The coupling between irradiance, growth, photosynthesis and prymnesin cell quota and production in two strains of the bloom-forming haptophyte, <i>Prymnesium parvum</i> . <i>Harmful Algae</i> , 2022, 112, 102173.	4.8	11
34	Isolation and Structure Elucidation of Pentahydroxyscirpene, a Trichothecene Fusarium Mycotoxin. <i>Journal of Natural Products</i> , 2014, 77, 188-192.	3.0	10
35	Cross-reactivity of commercial and non-commercial deoxynivalenol-antibodies to emerging trichothecenes and common deoxynivalenol-derivatives. <i>World Mycotoxin Journal</i> , 2019, 12, 45-53.	1.4	10
36	Polyketide synthase genes and molecular trade-offs in the ichthyotoxic species <i>Prymnesium parvum</i> . <i>Science of the Total Environment</i> , 2021, 795, 148878.	8.0	10

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37	PeakBot: machine-learning-based chromatographic peak picking. <i>Bioinformatics</i> , 2022, 38, 3422-3428.	4.1	10
38	Combinatory Exposure to Urolithin A, Alternariol, and Deoxynivalenol Affects Colon Cancer Metabolism and Epithelial Barrier Integrity in vitro. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	9
39	Development of an Indirect Quantitation Method to Assess Ichthyotoxic B-Type Pymnesins from <i>Pymnesium parvum</i> . <i>Toxins</i> , 2019, 11, 251.	3.4	8
40	Microfiltration results in the loss of analytes and affects the in vitro genotoxicity of a complex mixture of <i>Alternaria</i> toxins. <i>Mycotoxin Research</i> , 2020, 36, 399-408.	2.3	8
41	Assessing Mixture Effects of Cereulide and Deoxynivalenol on Intestinal Barrier Integrity and Uptake in Differentiated Human Caco-2 Cells. <i>Toxins</i> , 2021, 13, 189.	3.4	7
42	N-acetyl cysteine alters the genotoxic and estrogenic properties of <i>Alternaria</i> toxins in naturally occurring mixtures. <i>Emerging Contaminants</i> , 2022, 8, 30-38.	4.9	7
43	Gentibiosylation of \hat{I}^2 -Resorcylic Acid Esters and Lactones: First Synthesis and Characterization of Zearalenone-14- \hat{I}^2 ,d-Gentibioside. <i>Synlett</i> , 2013, 24, 1830-1834.	1.8	5
44	Zearalenone and \hat{A} -Zearalenol But Not Their Glucosides Inhibit Heat Shock Protein 90 ATPase Activity. <i>Frontiers in Pharmacology</i> , 2019, 10, 1160.	3.5	5
45	Karmitoxin production by <i>Karodinium armiger</i> and the effects of <i>K. armiger</i> and karmitoxin towards fish. <i>Harmful Algae</i> , 2020, 99, 101905.	4.8	5
46	The BAHD Acyltransferase BIA1 Uses Acetyl-CoA for Catabolic Inactivation of Brassinosteroids. <i>Plant Physiology</i> , 2020, 184, 23-26.	4.8	5
47	The acyltransferase PMAT1 malonylates brassinolide glucoside. <i>Journal of Biological Chemistry</i> , 2021, 296, 100424.	3.4	4
48	Occurrence of <i>Fusarium</i> head blight and mycotoxins as well as morphological identification of <i>Fusarium</i> species in winter wheat in Kosovo. <i>Cereal Research Communications</i> , 2015, 43, 438-448.	1.6	3
49	An Interlaboratory Comparison Study of Regulated and Emerging Mycotoxins Using Liquid Chromatography Mass Spectrometry: Challenges and Future Directions of Routine Multi-Mycotoxin Analysis including Emerging Mycotoxins. <i>Toxins</i> , 2022, 14, 405.	3.4	3
50	Pentahydroxyscirpene-Producing Strains, Formation In Planta, and Natural Occurrence. <i>Toxins</i> , 2016, 8, 295.	3.4	1