Franz Berthiller

List of Publications by Citations

147 papers	9,078 citations	53 h-index	92 g-index
156 ext. papers	10,340 ext. citations	3.9 avg, IF	5.93 L-index

#	Paper	IF	Citations
147	Development and validation of a liquid chromatography/tandem mass spectrometric method for the determination of 39 mycotoxins in wheat and maize. *Rapid Communications in Mass Spectrometry*, **2006**, 20, 2649-59	2.2	545
146	Masked mycotoxins: a review. *Molecular Nutrition and Food Research*, **2013**, 57, 165-86	5.9	541
145	Detoxification of the Fusarium mycotoxin deoxynivalenol by a UDP-glucosyltransferase from Arabidopsis thaliana. *Journal of Biological Chemistry*, **2003**, 278, 47905-14	5.4	396
144	Masked mycotoxins: determination of a deoxynivalenol glucoside in artificially and naturally contaminated wheat by liquid chromatography-tandem mass spectrometry. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 3421-5	5.7	317
143	Impact of food processing and detoxification treatments on mycotoxin contamination. *Mycotoxin Research*, **2016**, 32, 179-205	4	314
142	Optimization and validation of a quantitative liquid chromatography-tandem mass spectrometric method covering 295 bacterial and fungal metabolites including all regulated mycotoxins in four model food matrices. *Journal of Chromatography A*, **2014**, 1362, 145-56	4.5	314
141	The ability to detoxify the mycotoxin deoxynivalenol colocalizes with a major quantitative trait locus for Fusarium head blight resistance in wheat. *Molecular Plant-Microbe Interactions*, **2005**, 18, 1318-24	3.6	299
140	Rapid simultaneous determination of major type A- and B-trichothecenes as well as zearalenone in maize by high performance liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2005**, 1062, 209-16	4.5	232
139	Proposal of a comprehensive definition of modified and other forms of mycotoxins including "masked" mycotoxins. *Mycotoxin Research*, **2014**, 30, 197-205	4	225
138	Hydrolytic fate of deoxynivalenol-3-glucoside during digestion. *Toxicology Letters*, **2011**, 206, 264-7	4.4	186
137	Emerging Mycotoxins: Beyond Traditionally Determined Food Contaminants. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 7052-7070	5.7	171
136	Formation, determination and significance of masked and other conjugated mycotoxins. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 1243-52	4.4	165
135	New insights into the human metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone. *Toxicology Letters*, **2013**, 220, 88-94	4.4	141
134	Occurrence of deoxynivalenol and its major conjugate, deoxynivalenol-3-glucoside, in beer and some brewing intermediates. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 3187-94	5.7	138
133	Assessment of human deoxynivalenol exposure using an LC-MS/MS based biomarker method. *Toxicology Letters*, **2012**, 211, 85-90	4.4	131
132	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. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 5087-104	4.4	118
131	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in pigs. *Toxicology Letters*, **2014**, 229, 190-7	4.4	116

130	Development and validation of a rapid multi-biomarker liquid chromatography/tandem mass spectrometry method to assess human exposure to mycotoxins. *Rapid Communications in Mass Spectrometry*, **2012**, 26, 1533-40	2.2	112
129	New tricks of an old enemy: isolates of Fusarium graminearum produce a type A trichothecene mycotoxin. *Environmental Microbiology*, **2015**, 17, 2588-600	5.2	111
128	Simultaneous determination of deoxynivalenol, zearalenone, and their major masked metabolites in cereal-based food by LC-MS-MS. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 1347-54	4.4	111
127	Transcriptome analysis of the barley-deoxynivalenol interaction: evidence for a role of glutathione in deoxynivalenol detoxification. *Molecular Plant-Microbe Interactions*, **2010**, 23, 962-76	3.6	110
126	Chromatographic methods for the simultaneous determination of mycotoxins and their conjugates in cereals. *International Journal of Food Microbiology*, **2007**, 119, 33-7	5.8	110
125	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. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 4745-55	4.4	109
124	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. *Toxicology Letters*, **2012**, 213, 367-73	4.4	107
123	Prevalence and effects of mycotoxins on poultry health and performance, and recent development in mycotoxin counteracting strategies. *Poultry Science*, **2015**, 94, 1298-315	3.9	102
122	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS. *Analytical and Bioanalytical Chemistry*, **2012**, 402, 2675-86	4.4	101
121	Validation of a candidate deoxynivalenol-inactivating UDP-glucosyltransferase from barley by heterologous expression in yeast. *Molecular Plant-Microbe Interactions*, **2010**, 23, 977-86	3.6	98
120	Difficulties in fumonisin determination: the issue of hidden fumonisins. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 1335-45	4.4	96
119	Metabolism of Zearalenone and Its Major Modified Forms in Pigs. *Toxins*, **2017**, 9,	4.9	94
118	Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 5031-6	4.4	88
117	Liquid chromatography coupled to tandem mass spectrometry (LC-MS/MS) determination of phase II metabolites of the mycotoxin zearalenone in the model plant Arabidopsis thaliana. *Food Additives and Contaminants*, **2006**, 23, 1194-200		88
116	Transcriptomic characterization of two major Fusarium resistance quantitative trait loci (QTLs), Fhb1 and Qfhs.ifa-5A, identifies novel candidate genes. *Molecular Plant Pathology*, **2013**, 14, 772-85	5.7	85
115	Transgenic Wheat Expressing a Barley UDP-Glucosyltransferase Detoxifies Deoxynivalenol and Provides High Levels of Resistance to Fusarium graminearum. *Molecular Plant-Microbe Interactions*, **2015**, 28, 1237-46	3.6	84
114	Advances in the analysis of mycotoxins and its quality assurance. *Food Additives and Contaminants*, **2005**, 22, 345-53		84
113	The Fusarium graminearum genome reveals more secondary metabolite gene clusters and hints of horizontal gene transfer. *PLoS ONE*, **2014**, 9, e110311	3.7	80

112	Survey of deoxynivalenol and its conjugates deoxynivalenol-3-glucoside and 3-acetyl-deoxynivalenol in 374 beer samples. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2013**, 30, 137-46	3.2	77
111	Intestinal toxicity of the masked mycotoxin deoxynivalenol-3-β-D-glucoside. *Archives of Toxicology*, **2016**, 90, 2037-46	5.8	75
110	Developments in mycotoxin analysis: an update for 2010-2011. *World Mycotoxin Journal*, **2012**, 5, 3-30	2.5	71
109	Transgenic Arabidopsis thaliana expressing a barley UDP-glucosyltransferase exhibit resistance to the mycotoxin deoxynivalenol. *Journal of Experimental Botany*, **2012**, 63, 4731-40	7	70
108	Update on analytical methods for toxic pyrrolizidine alkaloids. *Analytical and Bioanalytical Chemistry*, **2010**, 396, 327-38	4.4	70
107	Biotransformation of the mycotoxin deoxynivalenol in fusarium resistant and susceptible near isogenic wheat lines. *PLoS ONE*, **2015**, 10, e0119656	3.7	65
106	Overexpression of the UGT73C6 alters brassinosteroid glucoside formation in Arabidopsis thaliana. *BMC Plant Biology*, **2011**, 11, 51	5.3	65
105	Zearalenone-16-O-glucoside: a new masked mycotoxin. *Journal of Agricultural and Food Chemistry*, **2014**, 62, 1181-9	5.7	63
104	Developments in mycotoxin analysis: an update for 2015-2016. *World Mycotoxin Journal*, **2017**, 10, 5-29	2.5	62
103	MetExtract: a new software tool for the automated comprehensive extraction of metabolite-derived LC/MS signals in metabolomics research. *Bioinformatics*, **2012**, 28, 736-8	7.2	62
102	Heterologous expression of Arabidopsis UDP-glucosyltransferases in Saccharomyces cerevisiae for production of zearalenone-4-O-glucoside. *Applied and Environmental Microbiology*, **2006**, 72, 4404-10	4.8	61
101	Mycotoxin profiling of 1000 beer samples with a special focus on craft beer. *PLoS ONE*, **2017**, 12, e0185887	3.7	60
100	Suitability of a fully 13C isotope labeled internal standard for the determination of the mycotoxin deoxynivalenol by LC-MS/MS without clean up. *Analytical and Bioanalytical Chemistry*, **2006**, 384, 692-6	4.4	60
99	In vivo contribution of deoxynivalenol-3-β-D-glucoside to deoxynivalenol exposure in broiler chickens and pigs: oral bioavailability, hydrolysis and toxicokinetics. *Archives of Toxicology*, **2017**, 91, 699-712	5.8	58
98	Developments in mycotoxin analysis: an update for 2012-2013. *World Mycotoxin Journal*, **2014**, 7, 3-33	2.5	58
97	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. *Food and Chemical Toxicology*, **2015**, 76, 11-8	4.7	56
96	Direct quantification of deoxynivalenol glucuronide in human urine as biomarker of exposure to the Fusarium mycotoxin deoxynivalenol. *Analytical and Bioanalytical Chemistry*, **2011**, 401, 195-200	4.4	56
95	Metabolism of the Fusarium Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 7862-72	5.7	54

94	Functional characterization of two clusters of Brachypodium distachyon UDP-glycosyltransferases encoding putative deoxynivalenol detoxification genes. *Molecular Plant-Microbe Interactions*, **2013**, 26, 781-92	3.6	52
93	A barley UDP-glucosyltransferase inactivates nivalenol and provides Fusarium Head Blight resistance in transgenic wheat. *Journal of Experimental Botany*, **2017**, 68, 2187-2197	7	47
92	Tracing the metabolism of HT-2 toxin and T-2 toxin in barley by isotope-assisted untargeted screening and quantitative LC-HRMS analysis. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 8019-33	4.4	46
91	Developments in mycotoxin analysis: an update for 2016-2017. *World Mycotoxin Journal*, **2018**, 11, 5-32	2.5	44
90	Incidence of trichothecenes and zearalenone in poultry feed mixtures from Slovakia. *International Journal of Food Microbiology*, **2005**, 105, 19-25	5.8	42
89	Metabolism of deoxynivalenol and deepoxy-deoxynivalenol in broiler chickens, pullets, roosters and turkeys. *Toxins*, **2015**, 7, 4706-29	4.9	39
88	Effects of oral exposure to naturally-occurring and synthetic deoxynivalenol congeners on proinflammatory cytokine and chemokine mRNA expression in the mouse. *Toxicology and Applied Pharmacology*, **2014**, 278, 107-15	4.6	39
87	Developments in mycotoxin analysis: an update for 2009-2010. *World Mycotoxin Journal*, **2011**, 4, 3-28	2.5	39
86	Comparative in□vitro cytotoxicity of modified deoxynivalenol on porcine intestinal epithelial cells. *Food and Chemical Toxicology*, **2016**, 95, 103-9	4.7	37
85	Characterization of three deoxynivalenol sulfonates formed by reaction of deoxynivalenol with sulfur reagents. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 8941-8	5.7	36
84	Individual and combined roles of malonichrome, ferricrocin, and TAFC siderophores in Fusarium graminearum pathogenic and sexual development. *Frontiers in Microbiology*, **2014**, 5, 759	5.7	35
83	Developments in mycotoxin analysis: an update for 2013-2014. *World Mycotoxin Journal*, **2015**, 8, 5-35	2.5	34
82	Synthesis of deoxynivalenol-3-□D-O-glucuronide for its use as biomarker for dietary deoxynivalenol exposure. *World Mycotoxin Journal*, **2012**, 5, 127-132	2.5	34
81	Determination of T-2 and HT-2 toxins in food and feed: an update. *World Mycotoxin Journal*, **2014**, 7, 131-142	2.5	33
80	Co-occurrence and statistical correlations between mycotoxins in feedstuffs collected in the Asia□Oceania in 2010. *Animal Feed Science and Technology*, **2012**, 178, 190-197	3	33
79	Comparison of anorectic and emetic potencies of deoxynivalenol (vomitoxin) to the plant metabolite deoxynivalenol-3-glucoside and synthetic deoxynivalenol derivatives EN139528 and EN139544. *Toxicological Sciences*, **2014**, 142, 167-81	4.4	32
78	Crystal Structure of Os79 (Os04g0206600) from Oryza sativa: A UDP-glucosyltransferase Involved in the Detoxification of Deoxynivalenol. *Biochemistry*, **2016**, 55, 6175-6186	3.2	32
77	Glucuronidation of deoxynivalenol (DON) by different animal species: identification of iso-DON glucuronides and iso-deepoxy-DON glucuronides as novel DON metabolites in pigs, rats, mice, and cows. *Archives of Toxicology*, **2017**, 91, 3857-3872	5.8	30

76	Developments in mycotoxin analysis: an update for 2008-2009. *World Mycotoxin Journal*, **2010**, 3, 3-23	2.5	29
75	Characterization of (13C24) T-2 toxin and its use as an internal standard for the quantification of T-2 toxin in cereals with HPLC-MS/MS. *Analytical and Bioanalytical Chemistry*, **2007**, 389, 931-40	4.4	29
74	Colour-encoded paramagnetic microbead-based direct inhibition triplex flow cytometric immunoassay for ochratoxin A, fumonisins and zearalenone in cereals and cereal-based feed. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 7783-94	4.4	28
73	Biochemical Characterization of a Recombinant UDP-glucosyltransferase from Rice and Enzymatic Production of Deoxynivalenol-3-O-β-D-glucoside. *Toxins*, **2015**, 7, 2685-700	4.9	28
72	Deoxynivalenol & Deoxynivalenol-3-Glucoside Mitigation through Bakery Production Strategies: Effective Experimental Design within Industrial Rusk-Making Technology. *Toxins*, **2015**, 7, 2773-90	4.9	28
71	Fusarium species, zearalenone and deoxynivalenol content in preharvest scabby wheat heads from Poland. *World Mycotoxin Journal*, **2012**, 5, 133-141	2.5	28
70	Loss of pyrrolizidine alkaloids on decomposition of ragwort (Senecio jacobaea) as measured by LC-TOF-MS. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 3669-73	5.7	28
69	Short review: Metabolism of theFusarium mycotoxins deoxynivalenol and zearalenone in plants. *Mycotoxin Research*, **2007**, 23, 68-72	4	28
68	Fusarium toxins and total fungal biomass indicators in naturally contaminated wheat samples from north-eastern Poland in 2003. *Food Additives and Contaminants*, **2007**, 24, 1292-8		27
67	Determination of the Mycotoxin Content in Distillers's Dried Grain with Solubles Using a Multianalyte UHPLC-MS/MS Method. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 9441-51	5.7	26
66	Deoxynivalenol (DON) sulfonates as major DON metabolites in rats: from identification to biomarker method development, validation and application. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 7911-24	4.4	26
65	Fast and reproducible chemical synthesis of zearalenone-14-β-D-glucuronide. *World Mycotoxin Journal*, **2012**, 5, 289-296	2.5	26
64	Formulation and processing factors affecting trichothecene mycotoxins within industrial biscuit-making. *Food Chemistry*, **2017**, 229, 597-603	8.5	25
63	The Metabolic Fate of Deoxynivalenol and Its Acetylated Derivatives in a Wheat Suspension Culture: Identification and Detection of DON-15-O-Glucoside, 15-Acetyl-DON-3-O-Glucoside and 15-Acetyl-DON-3-Sulfate. *Toxins*, **2015**, 7, 3112-26	4.9	25
62	The contribution of lot-to-lot variation to the measurement uncertainty of an LC-MS-based multi-mycotoxin assay. *Analytical and Bioanalytical Chemistry*, **2018**, 410, 4409-4418	4.4	24
61	Development, validation and application of an LC-MS/MS based method for the determination of deoxynivalenol and its conjugates in different types of beer. *World Mycotoxin Journal*, **2012**, 5, 261-270	2.5	23
60	Safe food and feed through an integrated toolbox for mycotoxin management: the MyToolBox approach. *World Mycotoxin Journal*, **2016**, 9, 487-495	2.5	22
59	A reference-gene-based quantitative PCR method as a tool to determine Fusarium resistance in wheat. *Analytical and Bioanalytical Chemistry*, **2009**, 395, 1385-94	4.4	22

58	Developments in mycotoxin analysis: an update for 2007-2008. *World Mycotoxin Journal*, **2009**, 2, 3-21	2.5	22
57	Effect of Temperature, Water Activity and Carbon Dioxide on Fungal Growth and Mycotoxin Production of Acclimatised Isolates of and. *Toxins*, **2020**, 12,	4.9	22
56	Metabolism of HT-2 Toxin and T-2 Toxin in Oats. *Toxins*, **2016**, 8,	4.9	22
55	Simultaneous preparation of □zearalenol glucosides and glucuronides. *Carbohydrate Research*, **2013**, 373, 59-63	2.9	21
54	Processing and purity assessment of standards for the analysis of type-B trichothecene mycotoxins. *Analytical and Bioanalytical Chemistry*, **2005**, 382, 1848-58	4.4	21
53	Study on the uptake and deglycosylation of the masked forms of zearalenone in human intestinal Caco-2 cells. *Food and Chemical Toxicology*, **2016**, 98, 232-239	4.7	20
52	Novel analytical methods to study the fate of mycotoxins during thermal food processing. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 9-16	4.4	20
51	The Fusarium metabolite culmorin suppresses the in vitro glucuronidation of deoxynivalenol. *Archives of Toxicology*, **2019**, 93, 1729-1743	5.8	19
50	Aerobic and anaerobic in vitro testing of feed additives claiming to detoxify deoxynivalenol and zearalenone. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2015**, 32, 922-33	3.2	19
49	Characterization and application of isotope-substituted (13C15)-deoxynivalenol (DON) as an internal standard for the determination of DON. *Food Additives and Contaminants*, **2006**, 23, 1187-93		19
48	DON-glycosides: Characterisation of synthesis products and screening for their occurrence in DON-treated wheat samples. *Mycotoxin Research*, **2005**, 21, 123-7	4	19
47	Chemical synthesis of culmorin metabolites and their biologic role in culmorin and acetyl-culmorin treated wheat cells. *Organic and Biomolecular Chemistry*, **2018**, 16, 2043-2048	3.9	18
46	A Versatile Family 3 Glycoside Hydrolase from Bifidobacterium adolescentis Hydrolyzes □Glucosides of the Fusarium Mycotoxins Deoxynivalenol, Nivalenol, and HT-2 Toxin in Cereal Matrices. *Applied and Environmental Microbiology*, **2015**, 81, 4885-93	4.8	18
45	Methylthiodeoxynivalenol (MTD): insight into the chemistry, structure and toxicity of thia-Michael adducts of trichothecenes. *Organic and Biomolecular Chemistry*, **2014**, 12, 5144-50	3.9	18
44	The Influence of Processing Parameters on the Mitigation of Deoxynivalenol during Industrial Baking. *Toxins*, **2019**, 11,	4.9	17
43	Isolation and characterization of a new less-toxic derivative of the Fusarium mycotoxin diacetoxyscirpenol after thermal treatment. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 9709-14	5.7	17
42	Performance of new clean-up column for the determination of ochratoxin A in cereals and foodstuffs by HPLC-FLD. *Food Additives and Contaminants*, **2004**, 21, 1107-14		17
41	Sex Is a Determinant for Deoxynivalenol Metabolism and Elimination in the Mouse. *Toxins*, **2017**, 9,	4.9	16

40	Investigations on the ability ofFhb1to protect wheat against nivalenol and deoxynivalenol. *Cereal Research Communications*, **2008**, 36, 429-435	1.1	16
39	Synthesis of deoxynivalenol-glucosides and their characterization using a QTrap LC-MS/MS. *Mycotoxin Research*, **2003**, 19, 47-50	4	16
38	Synthesis of Mono- and Di-Glucosides of Zearalenone and -/-Zearalenol by Recombinant Barley Glucosyltransferase HvUGT14077. *Toxins*, **2017**, 9,	4.9	15
37	Sulfation of resorcylic acid estersFirst synthesis of zearalenone-14-sulfate. *Tetrahedron Letters*, **2013**, 54, 3290-3293	2	15
36	Untargeted LC-MS based C labelling provides a full mass balance of deoxynivalenol and its degradation products formed during baking of crackers, biscuits and bread. *Food Chemistry*, **2019**, 279, 303-311	8.5	15
35	Hydrolysed fumonisin B1 and N-(deoxy-D-fructos-1-yl)-fumonisin B1: stability and catabolic fate under simulated human gastrointestinal conditions. *International Journal of Food Sciences and Nutrition*, **2015**, 66, 98-103	3.7	14
34	Determinants and Expansion of Specificity in a Trichothecene UDP-Glucosyltransferase from Oryza sativa. *Biochemistry*, **2017**, 56, 6585-6596	3.2	14
33	Critical evaluation of indirect methods for the determination of deoxynivalenol and its conjugated forms in cereals. *Analytical and Bioanalytical Chemistry*, **2015**, 407, 6009-20	4.4	13
32	Urinary deoxynivalenol (DON) and zearalenone (ZEA) as biomarkers of DON and ZEA exposure of pigs. *Mycotoxin Research*, **2016**, 32, 69-75	4	13
31	Application of biomarker methods to investigate FUMzyme mediated gastrointestinal hydrolysis of fumonisins in pigs. *World Mycotoxin Journal*, **2018**, 11, 201-214	2.5	13
30	Less-toxic rearrangement products of NX-toxins are formed during storage and food processing. *Toxicology Letters*, **2018**, 284, 205-212	4.4	12
29	UDP-Glucosyltransferases from Rice, Brachypodium, and Barley: Substrate Specificities and Synthesis of Type A and B Trichothecene-3-O- -d-glucosides. *Toxins*, **2018**, 10,	4.9	12
28	Bikinin-like inhibitors targeting GSK3/Shaggy-like kinases: characterisation of novel compounds and elucidation of their catabolism in planta. *BMC Plant Biology*, **2014**, 14, 172	5.3	12
27	Investigations on Fusarium spp. and their mycotoxins causing Fusarium ear rot of maize in Kosovo. *Food Additives and Contaminants: Part B Surveillance*, **2013**, 6, 237-43	3.3	11
26	Determination of deoxynivalenol sulphonates in cereal samples: method development, validation and application. *World Mycotoxin Journal*, **2014**, 7, 233-245	2.5	11
25	Mycotoxin testing: From Multi-toxin analysis to metabolomics. *Mycotoxins*, **2017**, 67, 11-16	0.2	10
24	Isolation and structure elucidation of pentahydroxyscirpene, a trichothecene Fusarium mycotoxin. *Journal of Natural Products*, **2014**, 77, 188-92	4.9	9
23	Concentrations of Some Metabolites Produced by Fungi of the GenusFusariumand Selected Elements in Spring Spelt Grain. *Cereal Chemistry*, **2009**, 86, 52-60	2.4	9

22	Production of zearalenone-4-glucoside, a-zearalenol-4-glucoside and -zearalenol-4-glucoside. *Mycotoxin Research*, **2007**, 23, 180-4	4	9
21	Identification and Characterization of Carboxylesterases from Brachypodium distachyon Deacetylating Trichothecene Mycotoxins. *Toxins*, **2015**, 8,	4.9	9
20	Chapter 1:Introduction to Masked Mycotoxins. *Issues in Toxicology*, **2015**, 1-13	0.3	7
19	Metabolism of nivalenol and nivalenol-3-glucoside in rats. *Toxicology Letters*, **2019**, 306, 43-52	4.4	6
18	Characterisation and determination of metabolites formed by microbial and enzymatic degradation of ergot alkaloids. *World Mycotoxin Journal*, **2015**, 8, 393-404	2.5	5
17	Determination of aflatoxin biomarkers in excreta and ileal content of chickens. *Poultry Science*, **2019**, 98, 5551-5561	3.9	4
16	Determination of nivalenol in food and feed: an update. *World Mycotoxin Journal*, **2014**, 7, 247-255	2.5	4
15	Identification and Functional Characterization of the Gene Cluster Responsible for Fusaproliferin Biosynthesis in. *Toxins*, **2021**, 13,	4.9	4
14	Cross-reactivity of commercial and non-commercial deoxynivalenol-antibodies to emerging trichothecenes and common deoxynivalenol-derivatives. *World Mycotoxin Journal*, **2019**, 12, 45-53	2.5	4
13	Deoxynivalenol-3-sulphate is the major metabolite of dietary deoxynivalenol in eggs of laying hens. *World Mycotoxin Journal*, **2019**, 12, 245-255	2.5	4
12	The BAHD Acyltransferase BIA1 Uses Acetyl-CoA for Catabolic Inactivation of Brassinosteroids. *Plant Physiology*, **2020**, 184, 23-26	6.6	3
11	Gentiobiosylation of Resorcylic Acid Esters and Lactones: First Synthesis and Characterization of Zearalenone-14- -Gentiobioside. *Synlett*, **2013**, 24, 1830-1834	2.2	3
10	Simultaneous determination of type A-& B-trichothecenes and zearalenone in cereals by High Performance Liquid Chromatography - Tandem Mass Spectrometry. *Mycotoxin Research*, **2005**, 21, 237-40	4	3
9	Zearalenone and Zearalenol But Not Their Glucosides Inhibit Heat Shock Protein 90 ATPase Activity. *Frontiers in Pharmacology*, **2019**, 10, 1160	5.6	2
8	Occurrence of Fusarium head blight and mycotoxins as well as morphological identification ofFusariumspecies in winter wheat in Kosovo. *Cereal Research Communications*, **2015**, 43, 438-448	1.1	2
7	Mykotoxine in Lebens- und Futtermitteln. *Nachrichten Aus Der Chemie*, **2015**, 63, 147-150	0.1	1
6	Cloning and heterologous expression of candidate DON-inactivating UDP-glucosyltranferases from rice and wheat in yeast. *Plant Breeding and Seed Science*, **2011**, 64,	0.1	1
5	Food Additives & Contaminants: Part A. Foreword. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment*, **2010**, 27, 575	3.2	1

4	First results of GEN-AU: Cloning of Deoxynivalenol- and Zearalenone-inactivating UDP-glucosyltransferase genes fromArabidopsis thaliana and expression in yeast for production of mycotoxin-glucosides. *Mycotoxin Research*, **2005**, 21, 108-11	4	1
3	Adapting an Ergosterol Extraction Method with Marine Yeasts for the Quantification of Oceanic Fungal Biomass. *Journal of Fungi (Basel, Switzerland)*, **2021**, 7,	5.6	1
2	The acyltransferase PMAT1 malonylates brassinolide glucoside. *Journal of Biological Chemistry*, **2021**, 296, 100424	5.4	0
1	Analytical strategies for the determination of deoxynivalenol and its modified forms in beer: A mini review.. *Kvasn Prm ysl*, **2015**, 61, 46-50	1.3	