

# Franz Berthiller

## List of Publications by Year in Descending Order

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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.

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	Identification and Functional Characterization of the Gene Cluster Responsible for Fusaproliferin Biosynthesis in. <i>Toxins</i> , <b>2021</b> , 13,	4.9	4
146	The acyltransferase PMAT1 malonylates brassinolide glucoside. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100424	5.4	0
145	Adapting an Ergosterol Extraction Method with Marine Yeasts for the Quantification of Oceanic Fungal Biomass. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	1
144	The BAHD Acyltransferase BIA1 Uses Acetyl-CoA for Catabolic Inactivation of Brassinosteroids. <i>Plant Physiology</i> , <b>2020</b> , 184, 23-26	6.6	3
143	Effect of Temperature, Water Activity and Carbon Dioxide on Fungal Growth and Mycotoxin Production of Acclimatised Isolates of and. <i>Toxins</i> , <b>2020</b> , 12,	4.9	22
142	Novel analytical methods to study the fate of mycotoxins during thermal food processing. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 9-16	4.4	20
141	Determination of aflatoxin biomarkers in excreta and ileal content of chickens. <i>Poultry Science</i> , <b>2019</b> , 98, 5551-5561	3.9	4
140	The Influence of Processing Parameters on the Mitigation of Deoxynivalenol during Industrial Baking. <i>Toxins</i> , <b>2019</b> , 11,	4.9	17
139	The Fusarium metabolite culmorin suppresses the in vitro glucuronidation of deoxynivalenol. <i>Archives of Toxicology</i> , <b>2019</b> , 93, 1729-1743	5.8	19
138	Metabolism of nivalenol and nivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , <b>2019</b> , 306, 43-52	4.4	6
137	Zearalenone and Zearalenol But Not Their Glucosides Inhibit Heat Shock Protein 90 ATPase Activity. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1160	5.6	2
136	Cross-reactivity of commercial and non-commercial deoxynivalenol-antibodies to emerging trichothecenes and common deoxynivalenol-derivatives. <i>World Mycotoxin Journal</i> , <b>2019</b> , 12, 45-53	2.5	4
135	Deoxynivalenol-3-sulphate is the major metabolite of dietary deoxynivalenol in eggs of laying hens. <i>World Mycotoxin Journal</i> , <b>2019</b> , 12, 245-255	2.5	4
134	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. <i>Food Chemistry</i> , <b>2019</b> , 279, 303-311	8.5	15
133	Chemical synthesis of culmorin metabolites and their biologic role in culmorin and acetyl-culmorin treated wheat cells. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 2043-2048	3.9	18
132	Developments in mycotoxin analysis: an update for 2016-2017. <i>World Mycotoxin Journal</i> , <b>2018</b> , 11, 5-32	2.5	44
131	Less-toxic rearrangement products of NX-toxins are formed during storage and food processing. <i>Toxicology Letters</i> , <b>2018</b> , 284, 205-212	4.4	12

130	The contribution of lot-to-lot variation to the measurement uncertainty of an LC-MS-based multi-mycotoxin assay. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 4409-4418	4.4	24
129	UDP-Glucosyltransferases from Rice, Brachypodium, and Barley: Substrate Specificities and Synthesis of Type A and B Trichothecene-3-O- $\beta$ -D-glucosides. <i>Toxins</i> , <b>2018</b> , 10,	4.9	12
128	Application of biomarker methods to investigate FUMzyme mediated gastrointestinal hydrolysis of fumonisins in pigs. <i>World Mycotoxin Journal</i> , <b>2018</b> , 11, 201-214	2.5	13
127	In vivo contribution of deoxynivalenol-3- $\beta$ -D-glucoside to deoxynivalenol exposure in broiler chickens and pigs: oral bioavailability, hydrolysis and toxicokinetics. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 699-712	5.8	58
126	Formulation and processing factors affecting trichothecene mycotoxins within industrial biscuit-making. <i>Food Chemistry</i> , <b>2017</b> , 229, 597-603	8.5	25
125	A barley UDP-glucosyltransferase inactivates nivalenol and provides Fusarium Head Blight resistance in transgenic wheat. <i>Journal of Experimental Botany</i> , <b>2017</b> , 68, 2187-2197	7	47
124	Developments in mycotoxin analysis: an update for 2015-2016. <i>World Mycotoxin Journal</i> , <b>2017</b> , 10, 5-29	2.5	62
123	Mycotoxin profiling of 1000 beer samples with a special focus on craft beer. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185837	3.7	60
122	Synthesis of Mono- and Di-Glucosides of Zearalenone and Zearalenol by Recombinant Barley Glucosyltransferase HvUGT14077. <i>Toxins</i> , <b>2017</b> , 9,	4.9	15
121	Determinants and Expansion of Specificity in a Trichothecene UDP-Glucosyltransferase from <i>Oryza sativa</i> . <i>Biochemistry</i> , <b>2017</b> , 56, 6585-6596	3.2	14
120	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. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 3857-3872	5.8	30
119	Emerging Mycotoxins: Beyond Traditionally Determined Food Contaminants. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 7052-7070	5.7	171
118	Mycotoxin testing: From Multi-toxin analysis to metabolomics. <i>Mycotoxins</i> , <b>2017</b> , 67, 11-16	0.2	10
117	Metabolism of Zearalenone and Its Major Modified Forms in Pigs. <i>Toxins</i> , <b>2017</b> , 9,	4.9	94
116	Sex Is a Determinant for Deoxynivalenol Metabolism and Elimination in the Mouse. <i>Toxins</i> , <b>2017</b> , 9,	4.9	16
115	Impact of food processing and detoxification treatments on mycotoxin contamination. <i>Mycotoxin Research</i> , <b>2016</b> , 32, 179-205	4	314
114	Study on the uptake and deglycosylation of the masked forms of zearalenone in human intestinal Caco-2 cells. <i>Food and Chemical Toxicology</i> , <b>2016</b> , 98, 232-239	4.7	20
113	Safe food and feed through an integrated toolbox for mycotoxin management: the MyToolBox approach. <i>World Mycotoxin Journal</i> , <b>2016</b> , 9, 487-495	2.5	22

112	Urinary deoxynivalenol (DON) and zearalenone (ZEA) as biomarkers of DON and ZEA exposure of pigs. <i>Mycotoxin Research</i> , <b>2016</b> , 32, 69-75	4	13
111	Comparative in vitro cytotoxicity of modified deoxynivalenol on porcine intestinal epithelial cells. <i>Food and Chemical Toxicology</i> , <b>2016</b> , 95, 103-9	4.7	37
110	Intestinal toxicity of the masked mycotoxin deoxynivalenol-3- $\beta$ -D-glucoside. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 2037-46	5.8	75
109	Metabolism of HT-2 Toxin and T-2 Toxin in Oats. <i>Toxins</i> , <b>2016</b> , 8,	4.9	22
108	Crystal Structure of Os79 (Os04g0206600) from <i>Oryza sativa</i> : A UDP-glucosyltransferase Involved in the Detoxification of Deoxynivalenol. <i>Biochemistry</i> , <b>2016</b> , 55, 6175-6186	3.2	32
107	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> , <b>2015</b> , 66, 98-103	3.7	14
106	Critical evaluation of indirect methods for the determination of deoxynivalenol and its conjugated forms in cereals. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 6009-20	4.4	13
105	Biotransformation of the mycotoxin deoxynivalenol in fusarium resistant and susceptible near isogenic wheat lines. <i>PLoS ONE</i> , <b>2015</b> , 10, e0119656	3.7	65
104	Prevalence and effects of mycotoxins on poultry health and performance, and recent development in mycotoxin counteracting strategies. <i>Poultry Science</i> , <b>2015</b> , 94, 1298-315	3.9	102
103	Aerobic and anaerobic in vitro testing of feed additives claiming to detoxify deoxynivalenol and zearalenone. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2015</b> , 32, 922-33	3.2	19
102	Developments in mycotoxin analysis: an update for 2013-2014. <i>World Mycotoxin Journal</i> , <b>2015</b> , 8, 5-35	2.5	34
101	Determination of the Mycotoxin Content in Distiller's Dried Grain with Solubles Using a Multianalyte UHPLC-MS/MS Method. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 9441-51	5.7	26
100	Metabolism of the Fusarium Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. <i>Journal of Agricultural and Food Chemistry</i> , <b>2015</b> , 63, 7862-72	5.7	54
99	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> , <b>2015</b> , 407, 8019-33	4.4	46
98	Effects of orally administered fumonisin B <sub>1</sub> (FB <sub>1</sub> ) partially hydrolysed FB <sub>1</sub> and N-(1-deoxy-D-fructos-1-yl) FB <sub>1</sub> on the sphingolipid metabolism in rats. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 76, 11-8	4.7	56
97	New tricks of an old enemy: isolates of <i>Fusarium graminearum</i> produce a type A trichothecene mycotoxin. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 2588-600	5.2	111
96	Transgenic Wheat Expressing a Barley UDP-Glucosyltransferase Detoxifies Deoxynivalenol and Provides High Levels of Resistance to <i>Fusarium graminearum</i> . <i>Molecular Plant-Microbe Interactions</i> , <b>2015</b> , 28, 1237-46	3.6	84
95	Characterisation and determination of metabolites formed by microbial and enzymatic degradation of ergot alkaloids. <i>World Mycotoxin Journal</i> , <b>2015</b> , 8, 393-404	2.5	5

94	Occurrence of Fusarium head blight and mycotoxins as well as morphological identification of Fusarium species in winter wheat in Kosovo. <i>Cereal Research Communications</i> , <b>2015</b> , 43, 438-448	1.1	2
93	Biochemical Characterization of a Recombinant UDP-glucosyltransferase from Rice and Enzymatic Production of Deoxynivalenol-3-O-β-D-glucoside. <i>Toxins</i> , <b>2015</b> , 7, 2685-700	4.9	28
92	Deoxynivalenol & Deoxynivalenol-3-Glucoside Mitigation through Bakery Production Strategies: Effective Experimental Design within Industrial Rusk-Making Technology. <i>Toxins</i> , <b>2015</b> , 7, 2773-90	4.9	28
91	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. <i>Toxins</i> , <b>2015</b> , 7, 3112-26	4.9	25
90	Metabolism of deoxynivalenol and deepoxy-deoxynivalenol in broiler chickens, pullets, roosters and turkeys. <i>Toxins</i> , <b>2015</b> , 7, 4706-29	4.9	39
89	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> , <b>2015</b> , 81, 4885-93	4.8	18
88	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> , <b>2015</b> , 407, 4745-55	4.4	109
87	Mykotoxine in Lebens- und Futtermitteln. <i>Nachrichten Aus Der Chemie</i> , <b>2015</b> , 63, 147-150	0.1	1
86	Chapter 1: Introduction to Masked Mycotoxins. <i>Issues in Toxicology</i> , <b>2015</b> , 1-13	0.3	7
85	Analytical strategies for the determination of deoxynivalenol and its modified forms in beer: A mini review.. <i>Kvasni Průmysl</i> , <b>2015</b> , 61, 46-50	1.3	
84	Identification and Characterization of Carboxylesterases from <i>Brachypodium distachyon</i> Deacetylating Trichothecene Mycotoxins. <i>Toxins</i> , <b>2015</b> , 8,	4.9	9
83	Isolation and structure elucidation of pentahydroxyscirpene, a trichothecene Fusarium mycotoxin. <i>Journal of Natural Products</i> , <b>2014</b> , 77, 188-92	4.9	9
82	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. <i>Journal of Chromatography A</i> , <b>2014</b> , 1362, 145-56	4.5	314
81	Comparison of anorectic and emetic potencies of deoxynivalenol (vomitoxin) to the plant metabolite deoxynivalenol-3-glucoside and synthetic deoxynivalenol derivatives EN139528 and EN139544. <i>Toxicological Sciences</i> , <b>2014</b> , 142, 167-81	4.4	32
80	Zearalenone-16-O-glucoside: a new masked mycotoxin. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 1181-9	5.7	63
79	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in pigs. <i>Toxicology Letters</i> , <b>2014</b> , 229, 190-7	4.4	116
78	Determination of nivalenol in food and feed: an update. <i>World Mycotoxin Journal</i> , <b>2014</b> , 7, 247-255	2.5	4
77	Bikinin-like inhibitors targeting GSK3/Shaggy-like kinases: characterisation of novel compounds and elucidation of their catabolism in planta. <i>BMC Plant Biology</i> , <b>2014</b> , 14, 172	5.3	12

76	Proposal of a comprehensive definition of modified and other forms of mycotoxins including "masked" mycotoxins. <i>Mycotoxin Research</i> , <b>2014</b> , 30, 197-205	4	225
75	Developments in mycotoxin analysis: an update for 2012-2013. <i>World Mycotoxin Journal</i> , <b>2014</b> , 7, 3-33	2.5	58
74	Determination of T-2 and HT-2 toxins in food and feed: an update. <i>World Mycotoxin Journal</i> , <b>2014</b> , 7, 131-142	2.5	33
73	Individual and combined roles of malonichrome, ferricrocin, and TAFC siderophores in <i>Fusarium graminearum</i> pathogenic and sexual development. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 759	5.7	35
72	Determination of deoxynivalenol sulphonates in cereal samples: method development, validation and application. <i>World Mycotoxin Journal</i> , <b>2014</b> , 7, 233-245	2.5	11
71	Deoxynivalenol (DON) sulfonates as major DON metabolites in rats: from identification to biomarker method development, validation and application. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 7911-24	4.4	26
70	Methylthio-deoxynivalenol (MTD): insight into the chemistry, structure and toxicity of thia-Michael adducts of trichothecenes. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 5144-50	3.9	18
69	Effects of oral exposure to naturally-occurring and synthetic deoxynivalenol congeners on proinflammatory cytokine and chemokine mRNA expression in the mouse. <i>Toxicology and Applied Pharmacology</i> , <b>2014</b> , 278, 107-15	4.6	39
68	The <i>Fusarium graminearum</i> genome reveals more secondary metabolite gene clusters and hints of horizontal gene transfer. <i>PLoS ONE</i> , <b>2014</b> , 9, e110311	3.7	80
67	Colour-encoded paramagnetic microbead-based direct inhibition triplex flow cytometric immunoassay for ochratoxin A, fumonisins and zearalenone in cereals and cereal-based feed. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 7783-94	4.4	28
66	Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 5031-6	4.4	88
65	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> , <b>2013</b> , 30, 137-46	3.2	77
64	Characterization of three deoxynivalenol sulfonates formed by reaction of deoxynivalenol with sulfur reagents. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 8941-8	5.7	36
63	Simultaneous preparation of zearalenol glucosides and glucuronides. <i>Carbohydrate Research</i> , <b>2013</b> , 373, 59-63	2.9	21
62	New insights into the human metabolism of the <i>Fusarium</i> mycotoxins deoxynivalenol and zearalenone. <i>Toxicology Letters</i> , <b>2013</b> , 220, 88-94	4.4	141
61	Investigations on <i>Fusarium</i> spp. and their mycotoxins causing <i>Fusarium</i> ear rot of maize in Kosovo. <i>Food Additives and Contaminants: Part B Surveillance</i> , <b>2013</b> , 6, 237-43	3.3	11
60	Transcriptomic characterization of two major <i>Fusarium</i> resistance quantitative trait loci (QTLs), Fhb1 and Qfhs.ifa-5A, identifies novel candidate genes. <i>Molecular Plant Pathology</i> , <b>2013</b> , 14, 772-85	5.7	85
59	Masked mycotoxins: a review. <i>Molecular Nutrition and Food Research</i> , <b>2013</b> , 57, 165-86	5.9	541

58	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> , <b>2013</b> , 405, 5087-104	4.4	118
57	Functional characterization of two clusters of <i>Brachypodium distachyon</i> UDP-glycosyltransferases encoding putative deoxynivalenol detoxification genes. <i>Molecular Plant-Microbe Interactions</i> , <b>2013</b> , 26, 781-92	3.6	52
56	Sulfation of $\beta$ -resorcylic acid esters—first synthesis of zearalenone-14-sulfate. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 3290-3293	2	15
55	Gentibiosylation of $\beta$ -resorcylic acid esters and lactones: first synthesis and characterization of zearalenone-14- $\beta$ -D-gentibioside. <i>Synlett</i> , <b>2013</b> , 24, 1830-1834	2.2	3
54	Stable isotope dilution assay for the accurate determination of mycotoxins in maize by UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 402, 2675-86	4.4	101
53	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> , <b>2012</b> , 5, 261-270	2.5	23
52	Assessment of human deoxynivalenol exposure using an LC-MS/MS based biomarker method. <i>Toxicology Letters</i> , <b>2012</b> , 211, 85-90	4.4	131
51	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , <b>2012</b> , 213, 367-73	4.4	107
50	Co-occurrence and statistical correlations between mycotoxins in feedstuffs collected in the Asia-Oceania in 2010. <i>Animal Feed Science and Technology</i> , <b>2012</b> , 178, 190-197	3	33
49	Fast and reproducible chemical synthesis of zearalenone-14- $\beta$ -D-glucuronide. <i>World Mycotoxin Journal</i> , <b>2012</b> , 5, 289-296	2.5	26
48	Development and validation of a rapid multi-biomarker liquid chromatography/tandem mass spectrometry method to assess human exposure to mycotoxins. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 1533-40	2.2	112
47	Developments in mycotoxin analysis: an update for 2010-2011. <i>World Mycotoxin Journal</i> , <b>2012</b> , 5, 3-30	2.5	71
46	Transgenic <i>Arabidopsis thaliana</i> expressing a barley UDP-glycosyltransferase exhibit resistance to the mycotoxin deoxynivalenol. <i>Journal of Experimental Botany</i> , <b>2012</b> , 63, 4731-40	7	70
45	MetExtract: a new software tool for the automated comprehensive extraction of metabolite-derived LC/MS signals in metabolomics research. <i>Bioinformatics</i> , <b>2012</b> , 28, 736-8	7.2	62
44	Synthesis of deoxynivalenol-3- $\beta$ -D-O-glucuronide for its use as biomarker for dietary deoxynivalenol exposure. <i>World Mycotoxin Journal</i> , <b>2012</b> , 5, 127-132	2.5	34
43	<i>Fusarium</i> species, zearalenone and deoxynivalenol content in preharvest scabby wheat heads from Poland. <i>World Mycotoxin Journal</i> , <b>2012</b> , 5, 133-141	2.5	28
42	Hydrolytic fate of deoxynivalenol-3-glucoside during digestion. <i>Toxicology Letters</i> , <b>2011</b> , 206, 264-7	4.4	186
41	Cloning and heterologous expression of candidate DON-inactivating UDP-glycosyltransferases from rice and wheat in yeast. <i>Plant Breeding and Seed Science</i> , <b>2011</b> , 64,	0.1	1

40	Developments in mycotoxin analysis: an update for 2009-2010. <i>World Mycotoxin Journal</i> , <b>2011</b> , 4, 3-28	2.5	39
39	Direct quantification of deoxynivalenol glucuronide in human urine as biomarker of exposure to the Fusarium mycotoxin deoxynivalenol. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 401, 195-200	4.4	56
38	Overexpression of the UGT73C6 alters brassinosteroid glucoside formation in Arabidopsis thaliana. <i>BMC Plant Biology</i> , <b>2011</b> , 11, 51	5.3	65
37	Isolation and characterization of a new less-toxic derivative of the Fusarium mycotoxin diacetoxyscirpenol after thermal treatment. <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 9709-147	5.7	17
36	Food Additives & Contaminants: Part A. Foreword. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2010</b> , 27, 575	3.2	1
35	Transcriptome analysis of the barley-deoxynivalenol interaction: evidence for a role of glutathione in deoxynivalenol detoxification. <i>Molecular Plant-Microbe Interactions</i> , <b>2010</b> , 23, 962-76	3.6	110
34	Validation of a candidate deoxynivalenol-inactivating UDP-glucosyltransferase from barley by heterologous expression in yeast. <i>Molecular Plant-Microbe Interactions</i> , <b>2010</b> , 23, 977-86	3.6	98
33	Developments in mycotoxin analysis: an update for 2008-2009. <i>World Mycotoxin Journal</i> , <b>2010</b> , 3, 3-23	2.5	29
32	Update on analytical methods for toxic pyrrolizidine alkaloids. <i>Analytical and Bioanalytical Chemistry</i> , <b>2010</b> , 396, 327-38	4.4	70
31	Simultaneous determination of deoxynivalenol, zearalenone, and their major masked metabolites in cereal-based food by LC-MS-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 395, 1347-54	4.4	111
30	Formation, determination and significance of masked and other conjugated mycotoxins. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 395, 1243-52	4.4	165
29	Difficulties in fumonisin determination: the issue of hidden fumonisins. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 395, 1335-45	4.4	96
28	A reference-gene-based quantitative PCR method as a tool to determine Fusarium resistance in wheat. <i>Analytical and Bioanalytical Chemistry</i> , <b>2009</b> , 395, 1385-94	4.4	22
27	Developments in mycotoxin analysis: an update for 2007-2008. <i>World Mycotoxin Journal</i> , <b>2009</b> , 2, 3-21	2.5	22
26	Loss of pyrrolizidine alkaloids on decomposition of ragwort ( <i>Senecio jacobaea</i> ) as measured by LC-TOF-MS. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3669-73	5.7	28
25	Occurrence of deoxynivalenol and its major conjugate, deoxynivalenol-3-glucoside, in beer and some brewing intermediates. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 3187-94	5.7	138
24	Concentrations of Some Metabolites Produced by Fungi of the Genus <i>Fusarium</i> and Selected Elements in Spring Spelt Grain. <i>Cereal Chemistry</i> , <b>2009</b> , 86, 52-60	2.4	9
23	Investigations on the ability of Fhb1 to protect wheat against nivalenol and deoxynivalenol. <i>Cereal Research Communications</i> , <b>2008</b> , 36, 429-435	1.1	16



22	Chromatographic methods for the simultaneous determination of mycotoxins and their conjugates in cereals. <i>International Journal of Food Microbiology</i> , <b>2007</b> , 119, 33-7	5.8	110
21	Short review: Metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone in plants. <i>Mycotoxin Research</i> , <b>2007</b> , 23, 68-72	4	28
20	Production of zearalenone-4-glucoside, a-zearalenol-4-glucoside and zearalenol-4-glucoside. <i>Mycotoxin Research</i> , <b>2007</b> , 23, 180-4	4	9
19	Characterization of ( <sup>13</sup> C <sub>24</sub> ) T-2 toxin and its use as an internal standard for the quantification of T-2 toxin in cereals with HPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 931-40	4.4	29
18	Fusarium toxins and total fungal biomass indicators in naturally contaminated wheat samples from north-eastern Poland in 2003. <i>Food Additives and Contaminants</i> , <b>2007</b> , 24, 1292-8		27
17	Suitability of a fully <sup>13</sup> C isotope labeled internal standard for the determination of the mycotoxin deoxynivalenol by LC-MS/MS without clean up. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 384, 692-6	4.4	60
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15	Heterologous expression of Arabidopsis UDP-glucosyltransferases in Saccharomyces cerevisiae for production of zearalenone-4-O-glucoside. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 4404-10	4.8	61
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11	Advances in the analysis of mycotoxins and its quality assurance. <i>Food Additives and Contaminants</i> , <b>2005</b> , 22, 345-53		84
10	The ability to detoxify the mycotoxin deoxynivalenol colocalizes with a major quantitative trait locus for Fusarium head blight resistance in wheat. <i>Molecular Plant-Microbe Interactions</i> , <b>2005</b> , 18, 1318-24	3.6	299
9	Masked mycotoxins: determination of a deoxynivalenol glucoside in artificially and naturally contaminated wheat by liquid chromatography-tandem mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 3421-5	5.7	317
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