

Public Health Impacts of Foodborne Mycotoxins

Annual Review of Food Science and Technology
5, 351-372

DOI: [10.1146/annurev-food-030713-092431](https://doi.org/10.1146/annurev-food-030713-092431)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Toxicity Mechanisms of the Food Contaminant Citrinin: Application of a Quantitative Yeast Model. <i>Nutrients</i> , 2014, 6, 2077-2087.	1.7	20
2	Structural Diversity and Biochemical and Microbiological Characteristics of Aflatoxins. <i>Acta Universitatis Cibiniensis Series E: Food Technology</i> , 2014, 18, 3-18.	0.6	2
3	Elimination of damaged mitochondria through mitophagy reduces mitochondrial oxidative stress and increases tolerance to trichothecenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 11798-11803.	3.3	82
4	Reducing Malnutrition: Time to Consider Potential Links Between Stunting and Mycotoxin Exposure?. <i>Pediatrics</i> , 2014, 134, 4-6.	1.0	36
5	Deoxynivalenol inhibits the expression by goblet cells of intestinal mucins through a PKR and MAP kinase dependent repression of the resistin-like molecule 1 ² . <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1076-1087.	1.5	88
6	A Novel Peptide-Binding Motifs Inference Approach to Understand Deoxynivalenol Molecular Toxicity. <i>Toxins</i> , 2015, 7, 1989-2005.	1.5	32
7	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.	1.5	40
8	Comparative Ochratoxin Toxicity: A Review of the Available Data. <i>Toxins</i> , 2015, 7, 4253-4282.	1.5	242
9	Multi-Toxic Endpoints of the Foodborne Mycotoxins in Nematode <i>Caenorhabditis elegans</i> . <i>Toxins</i> , 2015, 7, 5224-5235.	1.5	31
10	Mycotoxins are a component of <i>Fusarium graminearum</i> stress-response system. <i>Frontiers in Microbiology</i> , 2015, 6, 1234.	1.5	51
11	A CRISPR-Cas9 System for Genetic Engineering of Filamentous Fungi. <i>PLoS ONE</i> , 2015, 10, e0133085.	1.1	484
12	A Lipid Transfer Protein Increases the Glutathione Content and Enhances Arabidopsis Resistance to a Trichothecene Mycotoxin. <i>PLoS ONE</i> , 2015, 10, e0130204.	1.1	25
13	The Food-Associated Ribotoxin Deoxynivalenol Modulates Inducible NO Synthase in Human Intestinal Cell Model. <i>Toxicological Sciences</i> , 2015, 145, 372-382.	1.4	39
14	<i>SnPKS19</i> Encodes the Polyketide Synthase for Alternariol Mycotoxin Biosynthesis in the Wheat Pathogen <i>Parastagonospora nodorum</i> . <i>Applied and Environmental Microbiology</i> , 2015, 81, 5309-5317.	1.4	27
15	Dietary aflatoxin-induced stunting in a novel rat model: evidence for toxin-induced liver injury and hepatic growth hormone resistance. <i>Pediatric Research</i> , 2015, 78, 120-127.	1.1	25
16	Potential application of PTR-TOFMS for the detection of deoxynivalenol (DON) in durum wheat. <i>Food Control</i> , 2015, 57, 96-104.	2.8	24
17	Global impacts of aflatoxin in maize: trade and human health. <i>World Mycotoxin Journal</i> , 2015, 8, 137-142.	0.8	148
18	The role of hazard- and risk-based approaches in ensuring food safety. <i>Trends in Food Science and Technology</i> , 2015, 46, 176-188.	7.8	76

#	ARTICLE	IF	CITATIONS
19	Mycotoxins – prevention and decontamination by yeasts. <i>Journal of Basic Microbiology</i> , 2015, 55, 805-818.	1.8	77
20	Anomericity of T-2 Toxin-glucoside: Masked Mycotoxin in Cereal Crops. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 731-738.	2.4	68
21	The Edible Plant Microbiome: Importance and Health Issues. , 2015, , 419-426.		19
23	Microbiological quality of non-sterile pharmaceutical products. <i>Saudi Pharmaceutical Journal</i> , 2015, 23, 303-307.	1.2	46
24	Indoor fungi: companions and contaminants. <i>Indoor Air</i> , 2015, 25, 125-156.	2.0	174
25	Fusarium Mycotoxins and Their Role in Plant–Pathogen Interactions. <i>Fungal Biology</i> , 2015, , 199-233.	0.3	13
26	1-Deoxysphingolipids Encountered Exogenously and Made de Novo: Dangerous Mysteries inside an Enigma. <i>Journal of Biological Chemistry</i> , 2015, 290, 15380-15389.	1.6	74
27	Deoxynivalenol, but not E. coli lipopolysaccharide, changes the response pattern of intestinal porcine epithelial cells (IPEC-J2) according to its route of application. <i>Toxicology Letters</i> , 2015, 239, 161-171.	0.4	4
28	Development and validation of a high performance liquid chromatographic–mass spectrometry method for the simultaneous quantification of 10 trichothecenes in ultra-high temperature processed cow milk. <i>Journal of Chromatography A</i> , 2015, 1419, 37-44.	1.8	24
29	Determination of sterigmatocystin in feed by LC-MS/MS. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1-8.	1.1	5
30	Polymorphisms in ATP-binding cassette transporter genes and interaction with diet and life style factors in relation to colorectal cancer in a Danish prospective case-cohort study. <i>Scandinavian Journal of Gastroenterology</i> , 2015, 50, 1469-1481.	0.6	15
31	The mycotoxin alternariol induces DNA damage and modify macrophage phenotype and inflammatory responses. <i>Toxicology Letters</i> , 2015, 239, 9-21.	0.4	41
32	Diversity of Fusarium head blight populations and trichothecene toxin types reveals regional differences in pathogen composition and temporal dynamics. <i>Fungal Genetics and Biology</i> , 2015, 82, 22-31.	0.9	96
33	Fungal naphtho- ¹³ -pyrones–secondary metabolites of industrial interest. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 1081-1096.	1.7	36
34	Immune responses to airborne fungi and non-invasive airway diseases. <i>Seminars in Immunopathology</i> , 2015, 37, 83-96.	2.8	25
35	Risk Factors and Outcomes of Food Poisoning in Africa. , 0, , .		4
36	Filamentous Fungi. , 0, , 311-341.		0
37	Historical review of the causes of cancer. <i>World Journal of Clinical Oncology</i> , 2016, 7, 54.	0.9	227

#	ARTICLE	IF	CITATIONS
38	Using Relative Humidity Indicator Paper to Measure Seed and Commodity Moisture Contents. <i>Agricultural and Environmental Letters</i> , 2016, 1, 160018.	0.8	20
39	Mycotoxins: Toxicology. , 2016, , 43-48.		3
40	No Association between Mycotoxin Exposure and Autism: A Pilot Case-Control Study in School-Aged Children. <i>Toxins</i> , 2016, 8, 224.	1.5	10
41	Hydrolytic Fate of 3/15-Acetyldeoxynivalenol in Humans: Specific Deacetylation by the Small Intestine and Liver Revealed Using in Vitro and ex Vivo Approaches. <i>Toxins</i> , 2016, 8, 232.	1.5	39
42	Different Toxicity Mechanisms for Citrinin and Ochratoxin A Revealed by Transcriptomic Analysis in Yeast. <i>Toxins</i> , 2016, 8, 273.	1.5	30
43	Pentahydroxycircipeneâ€”Producing Strains, Formation In Planta, and Natural Occurrence. <i>Toxins</i> , 2016, 8, 295.	1.5	1
44	Mycotoxins: Classification. , 2016, , 29-34.		3
45	Mechanisms of Action and Toxicity of the Mycotoxin Alternariol: A Review. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2016, 119, 533-539.	1.2	83
46	Filamentous Fungi. <i>Microbiology Spectrum</i> , 2016, 4, .	1.2	17
47	Effectiveness of thin film application of imazalil fungicide on decay control of Tarocco orange fruit. <i>Biosystems Engineering</i> , 2016, 151, 399-408.	1.9	7
48	Innovative technologies for the mitigation of mycotoxins in animal feed and ingredientsâ€”A review of recent patents. <i>Animal Feed Science and Technology</i> , 2016, 216, 19-29.	1.1	104
49	A fluorescent aptasensor based on DNA-scaffolded silver nanoclusters coupling with Zn(II)-ion signal-enhancement for simultaneous detection of OTA and AFB1. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 79-85.	4.0	73
50	Ribosome quality control is a central protection mechanism for yeast exposed to deoxynivalenol and trichothecin. <i>BMC Genomics</i> , 2016, 17, 417.	1.2	23
51	Sequential dietary exposure to aflatoxin B1 and fumonisin B1 in F344 rats increases liver preneoplastic changes indicative of a synergistic interaction. <i>Food and Chemical Toxicology</i> , 2016, 95, 188-195.	1.8	39
52	The geographic distribution and complex evolutionary history of the NX-2 trichothecene chemotype from <i>Fusarium graminearum</i> . <i>Fungal Genetics and Biology</i> , 2016, 95, 39-48.	0.9	55
53	Immunomodulatory effects of individual and combined mycotoxins in the THP-1 cell line. <i>Toxicology in Vitro</i> , 2016, 36, 120-132.	1.1	42
54	Application of superabsorbent polymers (SAP) as desiccants to dry maize and reduce aflatoxin contamination. <i>Journal of Food Science and Technology</i> , 2016, 53, 3157-3165.	1.4	20
55	Effects of chronic deoxynivalenol exposure on p53 heterozygous and p53 homozygous mice. <i>Food and Chemical Toxicology</i> , 2016, 96, 24-34.	1.8	12

#	ARTICLE	IF	CITATIONS
56	Dietary exposure to aflatoxin B ₁ , ochratoxin A and fumonisins of adults in Lao Cai province, Viet Nam: A total dietary study approach. <i>Food and Chemical Toxicology</i> , 2016, 98, 127-133.	1.8	46
57	Challenges in risk assessment of multiple mycotoxins in food. <i>World Mycotoxin Journal</i> , 2016, 9, 791-811.	0.8	57
58	Mycotoxins, the unknowns: trends in food availability and consumer perceptions. <i>World Mycotoxin Journal</i> , 2016, 9, 813-830.	0.8	3
59	Modelling approach to limit aflatoxin B ₁ contamination in dairy cattle compound feed. <i>World Mycotoxin Journal</i> , 2016, 9, 455-464.	0.8	8
60	Climate change impacts on the ecology of <i>Fusarium graminearum</i> species complex and susceptibility of wheat to <i>Fusarium</i> head blight: a review. <i>World Mycotoxin Journal</i> , 2016, 9, 685-700.	0.8	86
61	Use of functional genomics to assess the climate change impact on <i>Aspergillus flavus</i> and aflatoxin production. <i>World Mycotoxin Journal</i> , 2016, 9, 665-672.	0.8	20
62	Biomonitoring of Mycotoxins in Human Breast Milk: Current State and Future Perspectives. <i>Chemical Research in Toxicology</i> , 2016, 29, 1087-1097.	1.7	77
63	Magnetic nanoparticles replacing microplate as immobile phase could greatly improve the sensitivity of chemiluminescence enzymatic immunoassay for deoxynivalenol. <i>Food Control</i> , 2016, 60, 500-504.	2.8	28
64	Genome Sequences of Eight <i>Aspergillus flavus</i> spp. and One <i>A. parasiticus</i> sp., Isolated from Peanut Seeds in Georgia. <i>Genome Announcements</i> , 2016, 4, .	0.8	27
65	Control of postharvest fungal rots on citrus fruit and sweet cherries using a pomegranate peel extract. <i>Postharvest Biology and Technology</i> , 2016, 114, 54-61.	2.9	103
66	Contaminants alimentaires et le risque de cancer. <i>Cahiers De Nutrition Et De Dietetique</i> , 2016, 51, 104-110.	0.2	1
67	RNA sequencing of an nsdC mutant reveals global regulation of secondary metabolic gene clusters in <i>Aspergillus flavus</i> . <i>Microbiological Research</i> , 2016, 182, 150-161.	2.5	43
68	Microbial metabolomics in open microscale platforms. <i>Nature Communications</i> , 2016, 7, 10610.	5.8	86
69	Mold spoilage of bread and its biopreservation: A review of current strategies for bread shelf life extension. <i>Critical Reviews in Food Science and Nutrition</i> , 2017, 57, 3528-3542.	5.4	131
70	Technological and community-based methods to reduce mycotoxin exposure. <i>Food Control</i> , 2017, 73, 101-109.	2.8	55
71	A risk assessment of dietary Ochratoxin a in the United States. <i>Food and Chemical Toxicology</i> , 2017, 100, 265-273.	1.8	64
72	The need to revisit ochratoxin A risk in light of diabetes, obesity, and chronic kidney disease prevalence. <i>Food and Chemical Toxicology</i> , 2017, 103, 79-85.	1.8	21
73	Multi-spectral kernel sorting to reduce aflatoxins and fumonisins in Kenyan maize. <i>Food Control</i> , 2017, 78, 203-214.	2.8	55

#	ARTICLE	IF	CITATIONS
74	Prevalence of mycotoxins in foods and decontamination. <i>Current Opinion in Food Science</i> , 2017, 14, 50-60.	4.1	66
76	Maintaining dryness during storage contributes to higher maize seed quality. <i>Journal of Stored Products Research</i> , 2017, 72, 49-53.	1.2	54
77	The Food Contaminant Deoxynivalenol Exacerbates the Genotoxicity of Gut Microbiota. <i>MBio</i> , 2017, 8, .	1.8	60
78	Trichothecene genotypes, chemotypes and zearalenone production by <i>Fusarium graminearum</i> species complex strains causing <i>Fusarium</i> head blight in Argentina during an epidemic and non-epidemic season. <i>Tropical Plant Pathology</i> , 2017, 42, 190-196.	0.8	14
79	Study of the genetic diversity of the aflatoxin biosynthesis cluster in <i>Aspergillus</i> section <i>Flavi</i> using insertion/deletion markers in peanut seeds from Georgia, USA. <i>Mycologia</i> , 2017, 109, 200-209.	0.8	14
80	Recent Progress in Nanomaterial-Based Optical Aptamer Assay for the Detection of Food Chemical Contaminants. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23287-23301.	4.0	129
81	Impact of mycotoxins on the intestine: are mucus and microbiota new targets?. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2017, 20, 249-275.	2.9	141
82	From Electrochemistry to Electroluminescence: Development and Application in a Ratiometric Aptasensor for Aflatoxin B1. <i>Analytical Chemistry</i> , 2017, 89, 7578-7585.	3.2	139
83	Population genetic structure and mycotoxin potential of the wheat crown rot and head blight pathogen <i>Fusarium culmorum</i> in Algeria. <i>Fungal Genetics and Biology</i> , 2017, 103, 34-41.	0.9	44
84	In silico analysis sheds light on the structural basis underlying the ribotoxicity of trichothecenesâ€”A tool for supporting the hazard identification process. <i>Toxicology Letters</i> , 2017, 270, 80-87.	0.4	28
85	A Collaborative Study: Determination of Mycotoxins in Corn, Peanut Butter, and Wheat Flour Using Stable Isotope Dilution Assay (SIDA) and Liquid Chromatographyâ€”Tandem Mass Spectrometry (LC-MS/MS). <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 7138-7152.	2.4	55
86	Genetic basis of mycotoxin susceptibility differences between budding yeast isolates. <i>Scientific Reports</i> , 2017, 7, 9173.	1.6	27
87	Recent trends in common chemical feed and food contaminants in Israel. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2017, 35, 189-212.	2.9	2
88	Piperine inhibits aflatoxin B1 production in <i>Aspergillus flavus</i> by modulating fungal oxidative stress response. <i>Fungal Genetics and Biology</i> , 2017, 107, 77-85.	0.9	74
89	Assessing and Improving Childhood Nutrition and Growth Globally. <i>Pediatric Clinics of North America</i> , 2017, 64, 755-768.	0.9	35
90	Genome Sequences of Three Strains of <i>Aspergillus flavus</i> for the Biological Control of Aflatoxin. <i>Genome Announcements</i> , 2017, 5, .	0.8	11
91	Assessing the hydrolytic fate of the masked mycotoxin zearalenone-14-glucoside â€” A warning light for the need to look at the â€œmaskedomeâ€”. <i>Food and Chemical Toxicology</i> , 2017, 99, 9-16.	1.8	44
92	The intestinal barrier as an emerging target in the toxicological assessment of mycotoxins. <i>Archives of Toxicology</i> , 2017, 91, 1007-1029.	1.9	143

#	ARTICLE	IF	CITATIONS
93	Mycotoxins in Sub-Saharan Africa: Present situation, socio-economic impact, awareness, and outlook. <i>Food Control</i> , 2017, 72, 110-122.	2.8	116
94	Enniatin B and beauvericin are common in Danish cereals and show high hepatotoxicity on a high-resolution imaging platform. <i>Environmental Toxicology</i> , 2017, 32, 1658-1664.	2.1	44
95	The new Israeli feed safety law: challenges in relation to animal and public health. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 1073-1083.	1.7	2
96	An LC-MS/MS method for multi-mycotoxin quantification in cow milk. <i>Food Chemistry</i> , 2017, 218, 378-385.	4.2	84
97	<i>Fusarium algeriense</i> , sp. nov., a novel toxigenic crown rot pathogen of durum wheat from Algeria is nested in the <i>Fusarium burgessii</i> species complex. <i>Mycologia</i> , 2017, 109, 935-950.	0.8	22
98	Engaging One Health for Non-Communicable Diseases in Africa: Perspective for Mycotoxins. <i>Frontiers in Public Health</i> , 2017, 5, 266.	1.3	27
99	Fumonisin. , 2017, , 925-943.		3
100	Degradation of Aflatoxins by Means of Laccases from <i>Trametes versicolor</i> : An In Silico Insight. <i>Toxins</i> , 2017, 9, 17.	1.5	39
101	Individual and Combined Cytotoxic Effects of Co-Occurring Deoxynivalenol Family Mycotoxins on Human Gastric Epithelial Cells. <i>Toxins</i> , 2017, 9, 96.	1.5	40
102	Survey on Urinary Levels of Aflatoxins in Professionally Exposed Workers. <i>Toxins</i> , 2017, 9, 117.	1.5	27
103	<i>Aspergillus korhogoensis</i> , a Novel Aflatoxin Producing Species from the Cote d'Ivoire. <i>Toxins</i> , 2017, 9, 353.	1.5	36
104	Factors associated with the high prevalence of oesophageal cancer in Western Kenya: a review. <i>Infectious Agents and Cancer</i> , 2017, 12, 59.	1.2	14
105	Forthcoming Challenges in Mycotoxins Toxicology Research for Safer Food – A Need for Multi-Omics Approach. <i>Toxins</i> , 2017, 9, 18.	1.5	46
106	Synthesis of Mono- and Di-Glucosides of Zearalenone and \pm -Zearalenol by Recombinant Barley Glucosyltransferase HvUGT14077. <i>Toxins</i> , 2017, 9, 58.	1.5	24
107	Immunity against fungi. <i>JCI Insight</i> , 2017, 2, .	2.3	105
108	Climate change and the health impact of aflatoxins exposure in Portugal – an overview. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 1610-1621.	1.1	52
109	Foodborne Illness: Threats and Control. , 2018, , 501-523.		8
110	Trans-/multi-generational effects of deoxynivalenol on <i>Caenorhabditis elegans</i> . <i>Chemosphere</i> , 2018, 201, 41-49.	4.2	17

#	ARTICLE	IF	CITATIONS
111	Overview of the activities of the European Food Safety Authority on mycotoxins in food and feed. <i>World Mycotoxin Journal</i> , 2018, 11, 277-289.	0.8	42
112	Multiple mycotoxin analysis in nut products: Occurrence and risk characterization. <i>Food and Chemical Toxicology</i> , 2018, 114, 260-269.	1.8	71
113	Melatonin protects against defects induced by deoxynivalenol during mouse oocyte maturation. <i>Journal of Pineal Research</i> , 2018, 65, e12477.	3.4	68
114	<i>Fusarium</i> mycotoxins: a trans-disciplinary overview. <i>Canadian Journal of Plant Pathology</i> , 2018, 40, 161-171.	0.8	37
115	Mycotoxins and oxidative stress: where are we?. <i>World Mycotoxin Journal</i> , 2018, 11, 113-134.	0.8	107
116	Current methods for mycotoxins analysis and innovative strategies for their reduction in cereals: an overview. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 4003-4013.	1.7	83
117	Deoxynivalenol, gut microbiota and immunotoxicity: A potential approach?. <i>Food and Chemical Toxicology</i> , 2018, 112, 342-354.	1.8	96
118	The importance of accounting for sex in the search of proteomic signatures of mycotoxin exposure. <i>Journal of Proteomics</i> , 2018, 178, 114-122.	1.2	20
119	Efficient oligo nucleotide mediated CRISPR-Cas9 gene editing in <i>Aspergilli</i> . <i>Fungal Genetics and Biology</i> , 2018, 115, 78-89.	0.9	142
120	Association of aflatoxin exposure and height-for-age among young children in Guatemala. <i>International Journal of Environmental Health Research</i> , 2018, 28, 280-292.	1.3	24
121	ssDNA-tailorable oxidase-mimicking activity of spinel MnCo ₂ O ₄ for sensitive biomolecular detection in food sample. <i>Sensors and Actuators B: Chemical</i> , 2018, 269, 79-87.	4.0	75
122	Silage review: Mycotoxins in silage: Occurrence, effects, prevention, and mitigation. <i>Journal of Dairy Science</i> , 2018, 101, 4034-4059.	1.4	139
123	Regional differences in the composition of <i>Fusarium</i> Head Blight pathogens and mycotoxins associated with wheat in Mexico. <i>International Journal of Food Microbiology</i> , 2018, 273, 11-19.	2.1	34
124	Mycotoxins contamination in maize alarms food safety in sub-Saharan Africa. <i>Food Control</i> , 2018, 90, 372-381.	2.8	46
125	Edible coatings incorporating pomegranate peel extract and biocontrol yeast to reduce <i>Penicillium digitatum</i> postharvest decay of oranges. <i>Food Microbiology</i> , 2018, 74, 107-112.	2.1	98
126	Assessment of multiple mycotoxins in breakfast cereals available in the Portuguese market. <i>Food Chemistry</i> , 2018, 239, 132-140.	4.2	66
127	Peptides derived from tryptic hydrolysate of <i>Bacillus subtilis</i> culture suppress fungal spoilage of table grapes. <i>Food Chemistry</i> , 2018, 239, 520-528.	4.2	22
128	Role of P-glycoprotein in deoxynivalenol-mediated in vitro toxicity. <i>Toxicology Letters</i> , 2018, 284, 21-28.	0.4	17

#	ARTICLE	IF	CITATIONS
129	Host Control of Fungal Infections: Lessons from Basic Studies and Human Cohorts. Annual Review of Immunology, 2018, 36, 157-191.	9.5	151
130	The 14-3-3 Protein Homolog ArtA Regulates Development and Secondary Metabolism in the Opportunistic Plant Pathogen <i>Aspergillus flavus</i> . Applied and Environmental Microbiology, 2018, 84, .	1.4	8
131	Environmental contaminants and child's growth. Journal of Developmental Origins of Health and Disease, 2018, 9, 632-641.	0.7	12
132	The world's ten most feared fungi. Fungal Diversity, 2018, 93, 161-194.	4.7	85
133	Antineoplastic potential of mycotoxins. Acta Microbiologica Et Immunologica Hungarica, 2018, 65, 267-307.	0.4	6
134	Optical Biosensors for Label-Free Detection of Small Molecules. Sensors, 2018, 18, 4126.	2.1	139
135	Marasas et al. 1984 "Toxigenic <i>Fusarium</i> Species: Identity and Mycotoxicology" revisited. Mycologia, 2018, 110, 1058-1080.	0.8	79
136	Occurrence and Identification of <i>Aspergillus</i> Section <i>Flavi</i> in the Context of the Emergence of Aflatoxins in French Maize. Toxins, 2018, 10, 525.	1.5	33
137	Hepatotoxic Mycotoxins. , 2018, , 483-521.		2
138	Transcription Factor FOXO3a Is a Negative Regulator of Cytotoxicity of <i>Fusarium</i> mycotoxin in GES-1 Cells. Toxicological Sciences, 2018, 166, 370-381.	1.4	14
139	Portuguese children dietary exposure to multiple mycotoxins " An overview of risk assessment under MYCOMIX project. Food and Chemical Toxicology, 2018, 118, 399-408.	1.8	47
140	A systematic approach to monitoring high preharvest aflatoxin levels in maize and peanuts in Africa and Asia. World Mycotoxin Journal, 2018, 11, 485-491.	0.8	5
141	Whole genome comparison of <i>Aspergillus flavus</i> L-morphotype strain NRRL 3357 (type) and S-morphotype strain AF70. PLoS ONE, 2018, 13, e0199169.	1.1	27
142	Mechanisms of Gastrointestinal Malignancies. , 2018, , 1615-1642.		3
143	Sensitive and Reproducible Immunoassay of Multiple Mycotoxins Using Surface-Enhanced Raman Scattering Mapping on 3D Plasmonic Nanopillar Arrays. Small, 2018, 14, e1801623.	5.2	67
144	PbsB Regulates Morphogenesis, Aflatoxin B1 Biosynthesis, and Pathogenicity of <i>Aspergillus flavus</i> . Frontiers in Cellular and Infection Microbiology, 2018, 8, 162.	1.8	21
145	Analysis of Mycotoxins in Peruvian Evaporated Cow Milk. Beverages, 2018, 4, 34.	1.3	8
146	Carbon Dioxide Mediates the Response to Temperature and Water Activity Levels in <i>Aspergillus flavus</i> during Infection of Maize Kernels. Toxins, 2018, 10, 5.	1.5	31

#	ARTICLE	IF	CITATIONS
147	Toxicodynamics of Mycotoxins in the Framework of Food Risk Assessment – An In Silico Perspective. <i>Toxins</i> , 2018, 10, 52.	1.5	29
148	Fumonisin-Exposure Impairs Age-Related Ecological Succession of Bacterial Species in Weaned Pig Gut Microbiota. <i>Toxins</i> , 2018, 10, 230.	1.5	32
149	Fusarium Molds and Mycotoxins: Potential Species-Specific Effects. <i>Toxins</i> , 2018, 10, 244.	1.5	116
150	Transcriptome Analysis of <i>C. elegans</i> Reveals Novel Targets for DON Cytotoxicity. <i>Toxins</i> , 2018, 10, 262.	1.5	18
151	Assessment of Mycotoxin Exposure in Breastfeeding Mothers with Celiac Disease. <i>Nutrients</i> , 2018, 10, 336.	1.7	21
152	Contribution of ATPase copper transporters in animal but not plant virulence of the crossover pathogen <i>Aspergillus flavus</i> . <i>Virulence</i> , 2018, 9, 1273-1286.	1.8	29
153	Employing immuno-affinity for the analysis of various microbial metabolites of the mycotoxin deoxynivalenol. <i>Journal of Chromatography A</i> , 2018, 1556, 81-87.	1.8	4
154	Impact of toxigenic fungi and mycotoxins in chickpea: a review. <i>Current Opinion in Food Science</i> , 2018, 23, 32-37.	4.1	24
155	Mechanisms: DNA-Reactive Agents. , 2018, , 332-343.		1
156	Occurrence of Toxigenic Fungi and Mycotoxins on Root Herbs from Chinese Markets. <i>Journal of Food Protection</i> , 2018, 81, 754-761.	0.8	29
157	Encapsulation of cinnamon essential oil in whey protein enhances the protective effect against single or combined sub-chronic toxicity of fumonisin B1 and/or aflatoxin B1 in rats. <i>Environmental Science and Pollution Research</i> , 2018, 25, 29144-29161.	2.7	39
158	Developing a link between toxicants, claudins and neural tube defects. <i>Reproductive Toxicology</i> , 2018, 81, 155-167.	1.3	8
159	Cultural and Genetic Approaches to Manage Aflatoxin Contamination: Recent Insights Provide Opportunities for Improved Control. <i>Phytopathology</i> , 2018, 108, 1024-1037.	1.1	51
161	Distinct Transcriptional Changes in Response to Patulin Underlie Toxin Biosorption Differences in <i>Saccharomyces cerevisiae</i> . <i>Toxins</i> , 2019, 11, 400.	1.5	8
162	Aflatoxin Binders in Foods for Human Consumption – Can This be Promoted Safely and Ethically?. <i>Toxins</i> , 2019, 11, 410.	1.5	15
163	Roles of microRNAs and prospective view of competing endogenous RNAs in mycotoxicosis. <i>Mutation Research - Reviews in Mutation Research</i> , 2019, 782, 108285.	2.4	6
164	Phylogenetically Diverse Fusarium Species Associated with Sorghum (<i>Sorghum Bicolor</i> L. Moench) and Finger Millet (<i>Eleusine Coracana</i> L. Garten) Grains from Ethiopia. <i>Diversity</i> , 2019, 11, 93.	0.7	10
165	Chemical assessment of mycotoxin contaminants and veterinary residues in Costa Rican animal feed. <i>International Journal of Food Contamination</i> , 2019, 6, .	2.2	12

#	ARTICLE	IF	CITATIONS
166	Aflatoxin Exposure, Child Stunting, and Dysbiosis in the Intestinal Microbiome Among Children in Guatemala. <i>Environmental Engineering Science</i> , 2019, 36, 958-968.	0.8	17
167	Sabotage at the Powerhouse? Unraveling the Molecular Target of 2-Isopropylbenzaldehyde Thiosemicarbazone, a Specific Inhibitor of Aflatoxin Biosynthesis and Sclerotia Development in <i>Aspergillus flavus</i> , Using Yeast as a Model System. <i>Molecules</i> , 2019, 24, 2971.	1.7	4
168	GPCR-mediated glucose sensing system regulates light-dependent fungal development and mycotoxin production. <i>PLoS Genetics</i> , 2019, 15, e1008419.	1.5	29
169	The occurrence of mycotoxins in breast milk, fruit products and cereal-based infant formula: A review. <i>Trends in Food Science and Technology</i> , 2019, 92, 81-93.	7.8	70
170	Involvement of Ahr Pathway in Toxicity of Aflatoxins and Other Mycotoxins. <i>Frontiers in Microbiology</i> , 2019, 10, 2347.	1.5	32
171	Total Dietary Intake and Health Risks Associated with Exposure to Aflatoxin B1, Ochratoxin A and Fuminisins of Children in Lao Cai Province, Vietnam. <i>Toxins</i> , 2019, 11, 638.	1.5	14
172	Quantitation of Mycotoxins in Four Food Matrices Comparing Stable Isotope Dilution Assay (SIDA) with Matrix-Matched Calibration Methods by LC-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1673-1680.	0.7	12
173	Outcomes of Gallic Acid on Alternariol Induced Cyto-Morphic and Genotoxic In Vivo Changes in Parotid Gland: 4-HNE Incorporated. <i>Biomedicines</i> , 2019, 7, 84.	1.4	1
174	A polyphasic study of <i>Aspergillus section Flavi</i> isolated from corn in Guangxi, China- a hot spot of aflatoxin contamination. <i>International Journal of Food Microbiology</i> , 2019, 310, 108307.	2.1	10
175	Dried Fruit Intake and Cancer: A Systematic Review of Observational Studies. <i>Advances in Nutrition</i> , 2020, 11, 237-250.	2.9	17
176	Mycotoxin contamination in food: An exposition on spices. <i>Trends in Food Science and Technology</i> , 2019, 93, 69-80.	7.8	94
178	Simultaneous Determination of Four Aflatoxins in Dark Tea by Multifunctional Purification Column and Immunoaffinity Column Coupled to Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11481-11488.	2.4	27
179	Risk assessment of aflatoxin-related liver cancer in Bangladesh. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2019, 36, 320-326.	1.1	25
180	Optimization and mechanistic investigations on antifungal and aflatoxin B1 inhibitory potential of nanoencapsulated plant-based bioactive compounds. <i>Industrial Crops and Products</i> , 2019, 131, 213-223.	2.5	20
181	Enhancement of antifungal and mycotoxin inhibitory activities of food-grade thyme oil nanoemulsions with natural emulsifiers. <i>Food Control</i> , 2019, 106, 106709.	2.8	48
182	Exposure assessment of Portuguese population to multiple mycotoxins: The human biomonitoring approach. <i>International Journal of Hygiene and Environmental Health</i> , 2019, 222, 913-925.	2.1	66
183	T-2 toxin inhibits the production of mucin via activating the IRE1/XBP1 pathway. <i>Toxicology</i> , 2019, 424, 152230.	2.0	35
184	Association between aflatoxin-albumin adduct levels and tortilla consumption in Guatemalan adults. <i>Toxicology Reports</i> , 2019, 6, 465-471.	1.6	19

#	ARTICLE	IF	CITATIONS
185	Lycopene alleviates AFB ₁ -induced immunosuppression by inhibiting oxidative stress and apoptosis in the spleen of mice. <i>Food and Function</i> , 2019, 10, 3868-3879.	2.1	54
186	Identification of quantitative trait loci contributing resistance to aflatoxin accumulation in maize inbred Mp715. <i>Molecular Breeding</i> , 2019, 39, 1.	1.0	9
187	The effects of aflatoxin exposure on Hepatitis B-vaccine induced immunity in Kenyan children. <i>Current Problems in Pediatric and Adolescent Health Care</i> , 2019, 49, 117-130.	0.8	20
188	The occurrence and co-occurrence of aflatoxin and fumonisin along the maize value chain in southwest Nigeria. <i>Food and Chemical Toxicology</i> , 2019, 129, 458-465.	1.8	36
189	Size and coating of engineered silver nanoparticles determine their ability to growth-independently inhibit aflatoxin biosynthesis in <i>Aspergillus parasiticus</i> . <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 4623-4632.	1.7	10
190	Risk assessment of dietary deoxynivalenol exposure in wheat products worldwide: Are new codex DON guidelines adequately protective?. <i>Trends in Food Science and Technology</i> , 2019, 89, 11-25.	7.8	34
191	Deoxynivalenol inhibits the expression of trefoil factors (TFF) by intestinal human and porcine goblet cells. <i>Archives of Toxicology</i> , 2019, 93, 1039-1049.	1.9	17
192	Mycotoxins in the Food Chain and Human Health Implications. , 2019, , 515-523.		6
193	Set3 Is Required for Asexual Development, Aflatoxin Biosynthesis, and Fungal Virulence in <i>Aspergillus flavus</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 530.	1.5	16
194	Implementing the "dry chain"™ during storage reduces losses and maintains quality of maize grain. <i>Food Security</i> , 2019, 11, 345-357.	2.4	15
195	Harmful Effects and Control Strategies of Aflatoxin B1 Produced by <i>Aspergillus flavus</i> and <i>Aspergillus parasiticus</i> Strains on Poultry: Review. <i>Toxins</i> , 2019, 11, 176.	1.5	107
196	Cyclase-Associated Protein Cap with Multiple Domains Contributes to Mycotoxin Biosynthesis and Fungal Virulence in <i>Aspergillus flavus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4200-4213.	2.4	41
197	H3K4 trimethylation by CclA regulates pathogenicity and the production of three families of terpenoid secondary metabolites in <i>Colletotrichum higginsianum</i> . <i>Molecular Plant Pathology</i> , 2019, 20, 831-842.	2.0	28
198	The pros and cons of using biocontrol by competitive exclusion as a means for reducing aflatoxin in maize in Africa. <i>World Mycotoxin Journal</i> , 2019, 12, 103-112.	0.8	27
199	Development and Characterization of a Multimycotoxin Reference Material. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1642-1650.	0.7	5
200	RiskBenefit4EU " Partnering to strengthen RiskBenefit Assessment within the EU using a holistic approach. <i>EFSA Supporting Publications</i> , 2019, 16, 1768E.	0.3	3
201	Fungal flora and aflatoxins (AFTS) contamination of Garri in parts of Akwa Ibom State, Nigeria. <i>Ife Journal of Science</i> , 2019, 21, 243.	0.1	0
202	Genetic diversity among <i>Fusarium</i> species associated with sorghum stalk rot in Southern Ethiopia. <i>African Journal of Biotechnology</i> , 2019, 18, 289-295.	0.3	2

#	ARTICLE	IF	CITATIONS
203	Quantitation of Mycotoxins in Four Food Matrices Comparing Stable Isotope Dilution Assay (SIDA) with Matrix-Matched Calibration Methods by LC-MS/MS. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1673-1680.	0.7	5
204	Development and Characterization of a Multimycotoxin Reference Material. <i>Journal of AOAC INTERNATIONAL</i> , 2019, 102, 1642-1650.	0.7	8
205	Critical Assessment of <i>Streptomyces</i> spp. Able to Control Toxigenic <i>Fusaria</i> in Cereals: A Literature and Patent Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6119.	1.8	16
206	The distribution of mycotoxins in a heterogeneous wheat field in relation to microclimate, fungal and bacterial abundance. <i>Journal of Applied Microbiology</i> , 2019, 126, 177-190.	1.4	14
207	Systematic review of clinician awareness of mycotoxin impact in neural tube defects and best practices for pediatric neurosurgeons: implications for public health and policy. <i>Child's Nervous System</i> , 2019, 35, 637-644.	0.6	3
208	Classification of aflatoxin contaminated single corn kernels by ultraviolet to near infrared spectroscopy. <i>Food Control</i> , 2019, 98, 253-261.	2.8	38
209	Effects of Atmospheric CO ₂ Level on the Metabolic Response of Resistant and Susceptible Wheat to <i>Fusarium graminearum</i> Infection. <i>Molecular Plant-Microbe Interactions</i> , 2019, 32, 379-391.	1.4	25
210	Mycotoxin contamination of foods in Southern Africa: A 10-year review (2007-2016). <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 43-58.	5.4	119
211	Evaluation of the cytotoxic and genotoxic effects of mycotoxin fusaric acid. <i>Drug and Chemical Toxicology</i> , 2020, 43, 149-157.	1.2	22
212	Recognition of <i>HLA-B*03:36</i> allele in a Taiwanese individual. <i>Hla</i> , 2020, 95, 56-57.	0.4	2
213	A Rab GTPase protein FvSec4 is necessary for fumonisin B1 biosynthesis and virulence in <i>Fusarium verticillioides</i> . <i>Current Genetics</i> , 2020, 66, 205-216.	0.8	15
214	Development and validation of a methodology based on Captiva EMR-lipid clean-up and LC-MS/MS analysis for the simultaneous determination of mycotoxins in human plasma. <i>Talanta</i> , 2020, 206, 120193.	2.9	29
215	<i>HLA-DQB1*03:13</i> identified in two unrelated Taiwanese individuals. <i>Hla</i> , 2020, 95, 76-78.	0.4	2
216	International Plant Pathology: Past and Future Contributions to Global Food Security. <i>Phytopathology</i> , 2020, 110, 245-253.	1.1	19
217	Control of nectarine fruits postharvest fungal rots caused by <i>Botrytis Cinerea</i> and <i>Rhizopus Stolonifer</i> via some essential oils. <i>Journal of Food Science and Technology</i> , 2020, 57, 1647-1655.	1.4	11
218	Heme oxygenase-1 regulates autophagy through carbon-oxygen to alleviate deoxynivalenol-induced hepatic damage. <i>Archives of Toxicology</i> , 2020, 94, 573-588.	1.9	19
219	Multimycotoxin Exposure Assessment in UK Children Using Urinary Biomarkers—A Pilot Survey. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 351-357.	2.4	26
220	Nanocomposites. , 2020, , 349-383.		2

#	ARTICLE	IF	CITATIONS
221	Anorexic action of fusarenon-x in the hypothalamus and intestine. <i>Toxicon</i> , 2020, 187, 57-64.	0.8	1
222	FvatfA regulates growth, stress tolerance as well as mycotoxin and pigment productions in <i>Fusarium verticillioides</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7879-7899.	1.7	20
223	Implications of differences in safety and hygiene control practices for microbial safety and aflatoxin M1 in an emerging dairy chain: The case of Tanzania. <i>Food Control</i> , 2020, 118, 107453.	2.8	2
224	Preserving wheat grain quality and preventing aflatoxin accumulation during storage without pesticides using dry chain technology. <i>Environmental Science and Pollution Research</i> , 2020, 27, 42064-42071.	2.7	8
225	Mass spectrometry-based detection and risk assessment of mycotoxin contamination of "kankankan"™ used for roasted meat consumption in Abidjan, Côte d'Ivoire. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020, 37, 1564-1578.	1.1	7
226	Aflatoxin B ₁ -degrading activity from <i>Bacillus subtilis</i> BCC 42005 isolated from fermented cereal products. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2020, 37, 1579-1589.	1.1	10
227	Current PCR-based methods for the detection of mycotoxigenic fungi in complex food and feed matrices. <i>World Mycotoxin Journal</i> , 2020, 13, 139-150.	0.8	13
228	Enhancing seed conservation in rural communities of Guatemala by implementing the dry chain concept. <i>Biodiversity and Conservation</i> , 2020, 29, 3997-4017.	1.2	8
229	Aptasensors for Point-of-Care Detection of Small Molecules. <i>Biosensors</i> , 2020, 10, 108.	2.3	48
230	Assessing the Aflatoxins Mitigation Efficacy of Blueberry Pomace Biosorbent in Buffer, Gastrointestinal Fluids and Model Wine. <i>Toxins</i> , 2020, 12, 466.	1.5	22
231	Association between Infant and Young Child Feeding (IYCF) Indicators and the Nutritional Status of Children (6–23 Months) in Northern Ghana. <i>Nutrients</i> , 2020, 12, 2565.	1.7	21
232	Preparation of magnetic mesoporous silica from rice husk for aflatoxin B1 removal: Optimum process and adsorption mechanism. <i>PLoS ONE</i> , 2020, 15, e0238837.	1.1	15
233	MILK Symposium review: Foodborne diseases from milk and milk products in developing countries—Review of causes and health and economic implications. <i>Journal of Dairy Science</i> , 2020, 103, 9715-9729.	1.4	30
234	Minimizing Ochratoxin A Contamination through the Use of Actinobacteria and Their Active Molecules. <i>Toxins</i> , 2020, 12, 296.	1.5	16
235	Probabilistic risk assessment of dietary exposure to aflatoxin B1 in Guangzhou, China. <i>Scientific Reports</i> , 2020, 10, 7973.	1.6	34
236	Unusual pattern of aflatoxins and ochratoxin in commercially grown maize varieties of Pakistan. <i>Toxicon</i> , 2020, 182, 66-71.	0.8	14
237	The effect of royal jelly and propolis alone and in combination on inhibition of <i>Aspergillus parasiticus</i> growth, aflatoxin production, and aflR gene expression. <i>Journal of Food Safety</i> , 2020, 40, e12815.	1.1	3
239	The Impact of Bt Corn on Aflatoxin-Related Insurance Claims in the United States. <i>Scientific Reports</i> , 2020, 10, 10046.	1.6	15

#	ARTICLE	IF	CITATIONS
240	Intrapopulation Antagonism Can Reduce the Growth and Aggressiveness of the Wheat Head Blight Pathogen <i>Fusarium graminearum</i> . <i>Phytopathology</i> , 2020, 110, 916-926.	1.1	7
241	Occurrence and preventive strategies to control mycotoxins in cereal-based food. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 928-953.	5.9	82
242	Interactive proteogenomic exploration of response to <i>Fusarium</i> head blight in oat varieties with different resistance. <i>Journal of Proteomics</i> , 2020, 218, 103688.	1.2	6
243	Multiplex SERS-based lateral flow immunosensor for the detection of major mycotoxins in maize utilizing dual Raman labels and triple test lines. <i>Journal of Hazardous Materials</i> , 2020, 393, 122348.	6.5	118
244	Metabolomic profiling reveals similar cytotoxic effects and protective functions of quercetin during deoxynivalenol- and 15-acetyl deoxynivalenol-induced cell apoptosis. <i>Toxicology in Vitro</i> , 2020, 66, 104838.	1.1	12
245	Climate change impacts on human health at an actionable scale: a state-level assessment of Indiana, USA. <i>Climatic Change</i> , 2020, 163, 1985-2004.	1.7	14
246	Culture medium and gastrointestinal environment positively influence the <i>Saccharomyces cerevisiae</i> RC016 cell wall polysaccharide profile and aflatoxin B1 bioadsorption. <i>LWT - Food Science and Technology</i> , 2020, 126, 109306.	2.5	7
247	Ochratoxin A and fumonisin B1 exhibit synergistic cytotoxic effects by inducing apoptosis on rat liver cells. <i>Toxicol</i> , 2020, 181, 19-27.	0.8	15
248	Anti-fungal activity of phenolic sweet orange peel extract for controlling fungi responsible for post-harvest fruit decay. <i>Fungal Biology</i> , 2021, 125, 143-152.	1.1	34
249	Mycotoxin reduction through lactic acid fermentation: Evidence from commercial ogi processors in southwest Nigeria. <i>Food Control</i> , 2021, 121, 107620.	2.8	15
250	The membrane mucin Msb2 regulates aflatoxin biosynthesis and pathogenicity in fungus <i>Aspergillus flavus</i> . <i>Microbial Biotechnology</i> , 2021, 14, 628-642.	2.0	13
251	Risk of dietary and breastmilk exposure to mycotoxins among lactating women and infants 2-4 months in northern India. <i>Maternal and Child Nutrition</i> , 2021, 17, e13100.	1.4	17
252	Deoxynivalenol exposure assessment through a modelling approach of food intake and biomonitoring data - A contribution to the risk assessment of an enteropathogenic mycotoxin. <i>Food Research International</i> , 2021, 140, 109863.	2.9	12
253	A Lipid Transfer Protein has Antifungal and Antioxidant Activity and Suppresses <i>Fusarium</i> Head Blight Disease and DON Accumulation in Transgenic Wheat. <i>Phytopathology</i> , 2021, 111, 671-683.	1.1	33
254	CRISPR-Cas9 system for functional genomics of filamentous fungi: applications and challenges. , 2021, , 541-576.		2
255	Foodborne mycotoxins. , 2021, , 439-454.		1
256	Mycotoxins and Their Consequences in Livestock. <i>Fungal Biology</i> , 2021, , 15-34.	0.3	0
257	Mycotoxins associated food safety concerns of agricultural crops, prevention and control. , 2021, , 357-374.		0

#	ARTICLE	IF	CITATIONS
258	Mycotoxins as Endocrine Disruptors – An Emerging Threat. , 2021, , 180-192.		1
259	Climate Change and Aflatoxins Contamination in the Iberian Peninsula. , 2021, , 168-175.		0
260	Chickpea. , 2021, , 342-358.		3
261	Importance of Fusarium spp. in Wheat to Food Security: A Global Perspective. Plant Pathology in the 21st Century, 2021, , 127-159.	0.6	9
262	The Influence of Weather on the Occurrence of Aflatoxin B1 in Harvested Maize from Kenya and Tanzania. Foods, 2021, 10, 216.	1.9	9
263	Management strategies for aflatoxin risk mitigation in maize, dairy feeds and milk value chains – case study Kenya. Food Quality and Safety, 2021, 5, .	0.6	4
264	Imprinted Polymers as Synthetic Receptors in Sensors for Food Safety. Biosensors, 2021, 11, 46.	2.3	17
265	Fluorescence Enhancement on Silver-Plated Plasma Micro-Nanostructured 3D Polymeric Microarray Substrates for Multiplex Mycotoxin Detection. Processes, 2021, 9, 392.	1.3	7
266	Oligosaccharides increase the genotoxic effect of colibactin produced by pks+ Escherichia coli strains. BMC Cancer, 2021, 21, 172.	1.1	24
267	Oral Sub-Chronic Ochratoxin a Exposure Induces Gut Microbiota Alterations in Mice. Toxins, 2021, 13, 106.	1.5	14
268	Biosensors for the detection of mycotoxins. Toxin Reviews, 2022, 41, 618-638.	1.5	10
269	Evaluation of the Impact of Skewness, Clustering, and Probe Sampling Plan on Aflatoxin Detection in Corn. Risk Analysis, 2021, 41, 2065-2080.	1.5	6
270	Microbial-based Biocontrol Solutions for Fruits and Vegetables: Recent Insight, Patents, and Innovative Trends. Recent Patents on Food, Nutrition & Agriculture, 2021, 12, 3-18.	0.5	17
271	Critical Assessment of Mycotoxins in Beverages and Their Control Measures. Toxins, 2021, 13, 323.	1.5	22
272	Aflatoxin M1 in milk: A global occurrence, intake, & exposure assessment. Trends in Food Science and Technology, 2021, 110, 183-192.	7.8	48
273	Effectiveness of Training and Use of Novasil Binder in Mitigating Aflatoxins in Cow Milk Produced in Smallholder Farms in Urban and Periurban Areas of Kenya. Toxins, 2021, 13, 281.	1.5	5
274	Biomarkers of deoxynivalenol (DON) and its modified form DON-3-glucoside (DON-3G) in humans. Trends in Food Science and Technology, 2021, 110, 551-558.	7.8	14
275	Case-Control Study of Nodding Syndrome in Acholiland: Urinary Multi-Mycotoxin Screening. Toxins, 2021, 13, 313.	1.5	6

#	ARTICLE	IF	CITATIONS
276	Risk assessment of dietary exposure to aflatoxin B1 in Serbia. Food and Chemical Toxicology, 2021, 151, 112116.	1.8	23
277	Neuroimmune disruptions from naturally occurring levels of mycotoxins. Environmental Science and Pollution Research, 2021, 28, 32156-32176.	2.7	17
278	The PHD transcription factor Cti6 is involved in the fungal colonization and aflatoxin B1 biological synthesis of <i>Aspergillus flavus</i> . IMA Fungus, 2021, 12, 12.	1.7	8
279	Mycotoxins Affecting Animals, Foods, Humans, and Plants: Types, Occurrence, Toxicities, Action Mechanisms, Prevention, and Detoxification Strategies—A Revisit. Foods, 2021, 10, 1279.	1.9	111
280	3D honeycomb-cell/carbon nanofiber/gelatin methacryloyl (GelMA) modified screen-printed electrode for electrochemical assessment of the combined toxicity of deoxynivalenol family mycotoxins. Bioelectrochemistry, 2021, 139, 107743.	2.4	30
281	Polystyrene Microsphere-Based Immunochromatographic Assay for Detection of Aflatoxin B1 in Maize. Biosensors, 2021, 11, 200.	2.3	8
282	Global wheat trade and Codex Alimentarius guidelines for deoxynivalenol: A mycotoxin common in wheat. Global Food Security, 2021, 29, 100538.	4.0	14
283	Synthesis and characterization of tannic acid pillared bentonite composite for the efficient adsorption of aflatoxins. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111679.	2.5	15
284	Les mycotoxines en alimentation humaine: un défi pour la recherche. Cahiers De Nutrition Et De Dietetique, 2021, 56, 170-183.	0.2	9
285	The Effects of Mixed Fusarium Mycotoxins at EU-Permitted Feed Levels on Weaned Piglets' Tissue Lipids. Toxins, 2021, 13, 444.	1.5	3
286	Estimation of Tolerable Daily Intake (TDI) for Immunological Effects of Aflatoxin. Risk Analysis, 2022, 42, 431-438.	1.5	14
287	<i>Bacillus amyloliquefaciens</i> B10 can alleviate aflatoxin B1-induced kidney oxidative stress and apoptosis in mice. Ecotoxicology and Environmental Safety, 2021, 218, 112286.	2.9	23
288	Nanomaterials in fluorescence-based biosensors: Defining key roles. Nano Structures Nano Objects, 2021, 27, 100774.	1.9	22
289	Introducing an aflatoxin-safe labeling program in complex food supply chains: Evidence from a choice experiment in Nigeria. Food Policy, 2021, 102, 102070.	2.8	8
290	<i>Fusarium verticillioides</i> FvPex8 Is a Key Component of the Peroxisomal Docking/Translocation Module That Serves Important Roles in Fumonisin Biosynthesis but Not in Virulence. Molecular Plant-Microbe Interactions, 2021, 34, 803-814.	1.4	4
291	Exposure assessment and risk characterization of aflatoxin M1 through consumption of market milk and milk products in Ludhiana, Punjab. Food Control, 2021, 126, 107991.	2.8	16
292	Black oil sunflower seed ingestion associated with renal azotemia, gastroesophageal ulceration, and a high mortality rate in four alpacas and two llamas. Journal of the American Veterinary Medical Association, 2021, 259, 406-414.	0.2	1
293	Aflatoxin and the aetiology of liver cancer and its implications for Guatemala. World Mycotoxin Journal, 2021, 14, 305-317.	0.8	9

#	ARTICLE	IF	CITATIONS
294	Effect of <i>Saccharomyces cerevisiae</i> addition to feed contaminated with aflatoxin B1 on the health and performance indices of tambaqui (<i>Colossoma macropomum</i>) fingerlings. <i>World Mycotoxin Journal</i> , 2021, 14, 389-400.	0.8	2
295	Risk-Benefit Assessment of Cereal-Based Foods Consumed by Portuguese Children Aged 6 to 36 Monthsâ€”A Case Study under the RiskBenefit4EU Project. <i>Nutrients</i> , 2021, 13, 3127.	1.7	3
296	Development and optimization of a method based on QuEChERS-dSPE followed by UPLC-MS/MS for the simultaneous determination of 21 mycotoxins in nutmeg and related products. <i>Microchemical Journal</i> , 2021, 168, 106499.	2.3	19
297	Weeds Harbor <i>Fusarium</i> Species that Cause Malformation Disease of Economically Important Trees in Western Mexico. <i>Plant Disease</i> , 2022, 106, 612-622.	0.7	1
298	Phylogenetic diversity, trichothecene potential, and pathogenicity within <i>Fusarium sambucinum</i> species complex. <i>PLoS ONE</i> , 2021, 16, e0245037.	1.1	49
299	Microbial Degradation of Aflatoxin. <i>Environmental and Microbial Biotechnology</i> , 2021, , 1-18.	0.4	0
300	Cellular Constitution, Water and Nutritional Needs, and Secondary Metabolites. , 2016, , 5-15.		5
301	Long noncoding RNA Gm20319, acting as competing endogenous RNA, regulated GNE expression by sponging miR-7240-5p to involve in deoxynivalenol-induced liver damage in vitro. <i>Food and Chemical Toxicology</i> , 2020, 141, 111435.	1.8	11
302	ROS: Trichothecenesâ€™ handy weapon?. <i>Food and Chemical Toxicology</i> , 2020, 142, 111438.	1.8	14
303	Mycotoxins and Nuclear Receptors: A Still Underexplored Issue. <i>Nuclear Receptor Research</i> , 2016, 3, .	2.5	3
304	The Impact of Deoxynivalenol on Pigeon Health: Occurrence in Feed, Toxicokinetics and Interaction with Salmonellosis. <i>PLoS ONE</i> , 2016, 11, e0168205.	1.1	7
305	Antibacterial and Antioxidant Activities of Slender Amaranth Weed. <i>Planta Daninha</i> , 0, 38, .	0.5	4
306	The effects of air pollution on mortality and clinicopathological features of esophageal cancer. <i>Oncotarget</i> , 2017, 8, 58563-58576.	0.8	8
307	A review of agricultural aflatoxin management strategies and emerging innovations in sub-Saharan Africa. <i>African Journal of Food, Agriculture, Nutrition and Development</i> , 2016, 16, 11126-11138.	0.1	11
308	Risks to human and animal health related to the presence of deoxynivalenol and its acetylated and modified forms in food and feed. <i>EFSA Journal</i> , 2017, 15, e04718.	0.9	218
309	Modelling the anorectic potencies of food-borne trichothecenes by benchmark dose and incremental area under the curve methodology. <i>World Mycotoxin Journal</i> , 2016, 9, 279-288.	0.8	3
310	Aflatoxin Contamination of Selected Staple Foods Sold for Human Consumption in Kampala Markets, Uganda. <i>Journal of Biological Sciences</i> , 2015, 16, 44-48.	0.1	19
312	The Protective Effect of Heme Oxygenase-1 on Liver Injury Caused by DON-Induced Oxidative Stress and Cytotoxicity. <i>Toxins</i> , 2021, 13, 732.	1.5	9

#	ARTICLE	IF	CITATIONS
313	Mycotoxin deoxynivalenol affects myoblast differentiation via downregulating cytoskeleton and ECM-integrin-FAK-RAC-PAK signaling pathway. <i>Ecotoxicology and Environmental Safety</i> , 2021, 226, 112850.	2.9	10
314	Children's and Adult Involuntary and Occupational Exposures and Cancer. , 0, , 259-316.		0
315	Evidence on the Burden of Unsafe Food in Low- and Middle-Income Countries. , 2018, , 27-67.		2
316	The Impact of Bt Corn on Aflatoxin-Related Insurance Claims in the United States. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
317	Porous Silicon Fabryâ€™s Interferometer Highly Sensitive Detection of Mycotoxins in Field Crops. , 2019, , .		0
318	Risk Assessment and Profiling of Co-occurring Contaminations with Mycotoxins. , 2019, , 65-77.		0
320	Mold Exposure Assessment. , 2020, , 208-214.e1.		0
322	Identification of antifungal compounds from slender amaranth. <i>Planta Daninha</i> , 0, 38, .	0.5	6
323	Seed Storage and Longevity: Mechanism, Types and Management. , 2020, , 451-468.		3
324	OBSOLETE: Climate Change and Aflatoxins Contamination in the Iberian Peninsula. , 2020, , .		0
325	Is Mold Toxicity Really a Problem for Our Patients? Part 2-Nonrespiratory Conditions. <i>Integrative Medicine</i> , 2016, 15, 8-14.	0.1	0
326	Remarkable Uptake of Deoxynivalenol in Stable Metalâ€™Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 58019-58026.	4.0	13
327	Flavonoids Modulate the Accumulation of Toxins From <i>Aspergillus flavus</i> in Maize Kernels. <i>Frontiers in Plant Science</i> , 2021, 12, 761446.	1.7	5
328	Contributing factors common to COVIDâ€™19 and gastrointestinal cancer. <i>Oncology Reports</i> , 2021, 47, .	1.2	6
329	Peanut Seed Coat Acts as a Physical and Biochemical Barrier against <i>Aspergillus flavus</i> Infection. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1000.	1.5	8
330	NX toxins: New threat posed by <i>Fusarium graminearum</i> species complex. <i>Trends in Food Science and Technology</i> , 2022, 119, 179-191.	7.8	11
331	Essential oils of <i>Heliotropium bacciferum</i> , <i>Ocimum dhofarensense</i> and <i>Zataria multiflora</i> exhibit aflatoxin B1 detoxification potential. <i>International Journal of Transgender Health</i> , 2021, 14, 989-996.	1.1	2
333	Ethical considerations in the design and conduct of a cluster-randomised mycotoxin mitigation trial in Tanzania. <i>World Mycotoxin Journal</i> , 2022, 15, 213-222.	0.8	1

#	ARTICLE	IF	CITATIONS
334	Mycotoxin detoxification of food by lactic acid bacteria. International Journal of Food Contamination, 2022, 9, .	2.2	13
335	Associations between aflatoxin B 1 albumin adduct levels with metabolic conditions in Guatemala: A cross-sectional study. Health Science Reports, 2022, 5, e495.	0.6	2
336	Preservation of Mimosa tenuiflora Antiaflatoxic Activity Using Microencapsulation by Spray-Drying. Molecules, 2022, 27, 496.	1.7	0
337	Construction of a fluorescence biosensor for ochratoxin A based on magnetic beads and exonuclease III-assisted DNA cycling signal amplification. Analytical Methods, 2022, 14, 734-740.	1.3	3
338	Aflatoxin M1 in milk does not contribute substantially to global liver cancer incidence. American Journal of Clinical Nutrition, 2022, 115, 1473-1480.	2.2	9
339	High-Performance Functional Fe-MOF for Removing Aflatoxin B1 and Other Organic Pollutants. Advanced Materials Interfaces, 2022, 9, .	1.9	14
340	Characterization of 260 Isolates of Aspergillus Section Flavi Obtained from Sesame Seeds in Punjab, Pakistan. Toxins, 2022, 14, 117.	1.5	4
343	Fumonisin. , 2022, , 955-981.		0
344	Dysfunction of <i>FadA</i> cAMP signalling decreases <i>Aspergillus flavus</i> resistance to antimicrobial natural preservative Perillaldehyde and <i>AFB1</i> biosynthesis. Environmental Microbiology, 2022, 24, 1590-1607.	1.8	42
345	AFM1 Secretion and Efficacy of Novasil™ Clay in Kenyan Dairy Cows. Dairy, 2022, 3, 220-232.	0.7	1
346	Toward Safe Food Systems: Analyses of Mycotoxin Contaminants in Food and Preventive Strategies Thereof for Their Formation and Toxicity. , 0, , .		0
347	Mycotoxin Exposure during the First 1000 Days of Life and Its Impact on Children's Health: A Clinical Overview. Toxins, 2022, 14, 189.	1.5	15
348	Toxic Mechanism and Biological Detoxification of Fumonisin. Toxins, 2022, 14, 182.	1.5	22
349	A highly sensitive fluorometric biosensor for Fumonisin B1 detection based on upconversion nanoparticles-graphene oxide and catalytic hairpin assembly. Analytica Chimica Acta, 2022, 1207, 339811.	2.6	7
350	4-Phenylbutyric acid alleviated 3-acetyldeoxynivalenol-induced immune cells response by inhibiting endoplasmic reticulum stress in mouse spleen. Food and Chemical Toxicology, 2022, , 113002.	1.8	3
351	The evolution of multiplex detection of mycotoxins using immunoassay platform technologies. Journal of Hazardous Materials, 2022, 432, 128706.	6.5	38
352	Natural Resistance of Native and Commercial Maize to Fall Armyworm, <i>Spodoptera frugiperda</i> , and Corn Earworm, <i>Helicoverpa zea</i> , and Their Relationship with Ear Rot. Southwestern Entomologist, 2021, 46, .	0.1	2
353	Soil mineral availability and human mineral status: A review and evidence from Malawi. Applied Economic Perspectives and Policy, 0, , .	3.1	2

#	ARTICLE	IF	CITATIONS
354	Fungal Secondary Metabolism. Encyclopedia, 2022, 2, 1-13.	2.4	22
355	Phosphoglucose Isomerase Plays a Key Role in Sugar Homeostasis, Stress Response, and Pathogenicity in <i>Aspergillus flavus</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 777266.	1.8	7
356	Proximate composition, fungal isolation and contamination of aflatoxin B ₁ in chickpea seeds from the Punjab, Pakistan. <i>Natural Product Research</i> , 2022, , 1-9.	1.0	5
357	Exposure assessment and risk-based limit levels evaluation of ochratoxin A in <i>Astragali Radix</i> in China. <i>Ecotoxicology and Environmental Safety</i> , 2022, 237, 113517.	2.9	4
359	An insight into the green synthesis of SiO ₂ nanostructures as a novel adsorbent for removal of toxic water pollutants. <i>Environmental Research</i> , 2022, 212, 113328.	3.7	38
360	Mycotoxins were not associated with environmental enteropathy in a cohort of Tanzanian children. <i>Risk Analysis</i> , 2023, 43, 860-866.	1.5	0
361	Performance Evaluation of a Commercially Available Desiccant-Based Seed Drying System. , 2022, 65, 633-643.		0
362	Glucose-Dependent Insulinotropic Polypeptide and Substance P Mediate Emetic Response Induction by Masked Trichothecene Deoxynivalenol-3-Glucoside through Ca ²⁺ Signaling. <i>Toxins</i> , 2022, 14, 371.	1.5	1
363	Hyperspectral imaging and machine learning in food microbiology: Developments and challenges in detection of bacterial, fungal, and viral contaminants. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 3717-3745.	5.9	25
364	earlyMYCO: A Pilot Mother-Child Cohort Study to Assess Early-Life Exposure to Mycotoxinsâ€”Challenges and Lessons Learned. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7716.	1.2	2
365	Aflatoxin B ₁ contamination of wheat flour, coffee, and pistachios consumed in Northern Palestine. , 2022, 29, 42-47.		2
366	Effects of stem cells and amniotic fluid on uterus and ovaries in a rat model of abdominal adhesions: a controlled study. <i>Journal of the Turkish German Gynecology Association</i> , 2022, 23, 154-166.	0.2	2
367	Nanomaterial-based optical and electrochemical aptasensors: A reinforced approach for selective recognition of zearalenone. <i>Food Control</i> , 2022, , 109252.	2.8	10
368	FumDSB can alleviate the inflammatory response induced by fumonisin B ₁ in growing pigs. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2022, 39, 1619-1633.	1.1	3
369	Literature review and evaluation of biomarkers, matrices and analytical methods for chemicals selected in the research program Human Biomonitoring for the European Union (HBM4EU). <i>Environment International</i> , 2022, 169, 107458.	4.8	12
370	Environment, Grain Development, and Harvesting Strategy Effects on Zearalenone Contamination of Grain from <i>Fusarium</i> Head Blight-affected Wheat Spikes. <i>Phytopathology</i> , 0, ,	1.1	1
371	Mycotoxin risks are lower in biotech corn. <i>Current Opinion in Biotechnology</i> , 2022, 78, 102792.	3.3	11
372	Mycotoxins in grains. , 2022, , 535-576.		0

#	ARTICLE	IF	CITATIONS
373	Effect of Curcumin as Feed Supplement on Immune Response and Pathological Changes of Broilers Exposed to Aflatoxin B1. <i>Biomolecules</i> , 2022, 12, 1188.	1.8	6
374	Prevalence of Aflatoxin Contamination in Peanuts and Peanut Butter from an Informal Market, Harare, Zimbabwe. <i>International Journal of Food Science</i> , 2022, 2022, 1-6.	0.9	3
375	Cloning and expression of the catalase gene (<sc><i>KatA</i></sc>) from <i>Pseudomonas aeruginosa</i> and the degradation of <sc>AFB₁</sc> by recombinant catalase. <i>Journal of the Science of Food and Agriculture</i> , 2023, 103, 792-798.	1.7	6
376	Environmental Conditions After Fusarium Head Blight Visual Symptom Development Affect Contamination of Wheat Grain with Deoxynivalenol and Deoxynivalenol-3-Glucoside. <i>Phytopathology</i> , 2023, 113, 206-224.	1.1	3
377	Recent Progress in Aptamer-Functionalized Metal-Organic Frameworks-Based Optical and Electrochemical Sensors for Detection of Mycotoxins. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-22.	1.8	9
378	Ultraviolet disinfection of activated carbon from microbiological contamination. <i>Archives of Materials Science and Engineering</i> , 2022, 115, 34-41.	0.7	0
379	Assessment of mycotoxins (deoxynivalenol, zearalenone, aflatoxin B1 and fumonisin B1) in henâ€™s eggs in Jordan. <i>Heliyon</i> , 2022, 8, e11017.	1.4	1
380	Impact of mycotoxins and their metabolites associated with food grains. <i>Grain & Oil Science and Technology</i> , 2023, 6, 1-9.	2.0	11
381	DON entry into the nucleus induces DNA damage, apoptosis and cycle arrest in GES-1 cells. <i>Food and Chemical Toxicology</i> , 2023, 171, 113531.	1.8	3
382	Current Advances, Research Needs and Gaps in Mycotoxins Biomonitoring under the HBM4EUâ€™ Lessons Learned and Future Trends. <i>Toxins</i> , 2022, 14, 826.	1.5	5
383	Comprehensive Review of Aflatoxin Contamination, Impact on Health and Food Security, and Management Strategies in Pakistan. <i>Toxins</i> , 2022, 14, 845.	1.5	21
384	Fuzzy Model for the Automatic Recognition of Human Dendritic Cells. <i>Journal of Imaging</i> , 2023, 9, 13.	1.7	0
385	Rapid and quantitative determination of deoxynivalenol in cereal through the combination of magnetic solid-phase extraction and optical fiber-based homogeneous chemiluminescence immunosensor. <i>Food Chemistry</i> , 2023, 410, 135356.	4.2	6
386	Antifungal Activity of Certain Plants of Benin on <i>Fusarium graminearum</i> Cereals Pathogene. <i>Asian Journal of Biology</i> , 0, , 18-28.	0.2	0
388	Electrospun Membranes Anchored with g-C3N4/MoS2 for Highly Efficient Photocatalytic Degradation of Aflatoxin B1 under Visible Light. <i>Toxins</i> , 2023, 15, 133.	1.5	3
389	Bone Marrow Mesenchymal Stem-Cell-Derived Exosomes Ameliorate Deoxynivalenol-Induced Mice Liver Damage. <i>Antioxidants</i> , 2023, 12, 588.	2.2	2
390	Alphatoxin Nanopore Detection of Aflatoxin, Ochratoxin and Fumonisin in Aqueous Solution. <i>Toxins</i> , 2023, 15, 183.	1.5	0
391	Detection of T-2 Toxin in Wheat and Maize with a Portable Mass Spectrometer. <i>Toxins</i> , 2023, 15, 222.	1.5	3

#	ARTICLE	IF	CITATIONS
392	Impact of Enniatin and Deoxynivalenol Co-Occurrence on Plant, Microbial, Insect, Animal and Human Systems: Current Knowledge and Future Perspectives. <i>Toxins</i> , 2023, 15, 271.	1.5	3
393	Synthesis and Characterization of ¹⁵ N ⁵ -Labeled Aflatoxin B ₁ "Formamidopyrimidines and Aflatoxin B ₁ " N ⁷ -Guanine from a Partial Double-Stranded Oligodeoxynucleotide as Internal Standards for Mass Spectrometric Measurements. <i>ACS Omega</i> , 0, ...	1.6	1
419	Fluorescent Aptasensors for Point-of-Care Detection of Environmental Pollutants. , 2023, , 259-280.		0
424	Bioaerosols. , 2023, , 391-442.		0