

# Gerhard Adam

## List of Publications by Year in descending order

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108  
papers

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citations

57631

44  
h-index

53109

85  
g-index

111  
all docs

111  
docs citations

111  
times ranked

5893  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | The <i>Fusarium graminearum</i> Genome Reveals a Link Between Localized Polymorphism and Pathogen Specialization. <i>Science</i> , 2007, 317, 1400-1402.  | 6.0 | 837       |
| 2  | Detoxification of the <i>Fusarium</i> Mycotoxin Deoxynivalenol by a UDP-glucosyltransferase from <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 47905-47914.   | 1.6 | 472       |
| 3  | The Ability to Detoxify the Mycotoxin Deoxynivalenol Colocalizes With a Major Quantitative Trait Locus for <i>Fusarium</i> Head Blight Resistance in Wheat. <i>Molecular Plant-Microbe Interactions</i> , 2005, 18, 1318-1324.  | 1.4 | 362       |
| 4  | 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> , 2005, 53, 3421-3425.                                       | 2.4 | 346       |
| 5  | The UGT73C5 of <i>Arabidopsis thaliana</i> glucosylates brassinosteroids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15253-15258.  | 3.3 | 217       |
| 6  | Hydrolytic fate of deoxynivalenol-3-glucoside during digestion. <i>Toxicology Letters</i> , 2011, 206, 264-267.   | 0.4 | 216       |
| 7  | Formation, determination and significance of masked and other conjugated mycotoxins. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1243-1252.  | 1.9 | 192       |
| 8  | Development of a <i>Fusarium graminearum</i> Affymetrix GeneChip for profiling fungal gene expression in vitro and in planta. <i>Fungal Genetics and Biology</i> , 2006, 43, 316-325.   | 0.9 | 164       |
| 9  | Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , 2012, 213, 367-373.  | 0.4 | 146       |
| 10 | Assessment of human deoxynivalenol exposure using an LC-MS/MS based biomarker method. <i>Toxicology Letters</i> , 2012, 211, 85-90.   | 0.4 | 145       |
| 11 | New tricks of an old enemy: isolates of <i>Fusarium graminearum</i> produce a type A trichothecene mycotoxin. <i>Environmental Microbiology</i> , 2015, 17, 2588-2600.  | 1.8 | 145       |
| 12 | Transcriptome Analysis of the Barley-Deoxynivalenol Interaction: Evidence for a Role of Glutathione in Deoxynivalenol Detoxification. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 962-976.  | 1.4 | 140       |
| 13 | Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in pigs. <i>Toxicology Letters</i> , 2014, 229, 190-197.  | 0.4 | 140       |
| 14 | Transformation System for <i>Hypocrea jecorina</i> ( <i>Trichoderma reesei</i> ) That Favors Homologous Integration and Employs Reusable Bidirectionally Selectable Markers. <i>Applied and Environmental Microbiology</i> , 2011, 77, 114-121.                                   | 1.4 | 136       |
| 15 | Simultaneous determination of major type A and B trichothecenes, zearalenone and certain modified metabolites in Finnish cereal grains with a novel liquid chromatography-tandem mass spectrometric method. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4745-4755. | 1.9 | 133       |
| 16 | Transcriptomic characterization of two major <i>Fusarium</i> resistance quantitative trait loci (QTLs), <i>Fhb1</i> and <i>Qfhs.ifa-5A</i> , identifies novel candidate genes. <i>Molecular Plant Pathology</i> , 2013, 14, 772-785.  | 2.0 | 132       |
| 17 | Validation of a Candidate Deoxynivalenol-Inactivating UDP-Glucosyltransferase from Barley by Heterologous Expression in Yeast. <i>Molecular Plant-Microbe Interactions</i> , 2010, 23, 977-986.   | 1.4 | 126       |
| 18 | The <i>Fusarium graminearum</i> Genome Reveals More Secondary Metabolite Gene Clusters and Hints of Horizontal Gene Transfer. <i>PLoS ONE</i> , 2014, 9, e110311.   | 1.1 | 124       |

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|----|--|-----|-----------|
| 19 | Development and validation of a rapid multi-omic biomarker liquid chromatography/tandem mass spectrometry method to assess human exposure to mycotoxins. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 1533-1540. | 0.7 | 121       |
| 20 | Metabolism of Zearalenone and Its Major Modified Forms in Pigs. <i>Toxins</i> , 2017, 9, 56.   | 1.5 | 121       |
| 21 | GC-MS based targeted metabolic profiling identifies changes in the wheat metabolome following deoxynivalenol treatment. <i>Metabolomics</i> , 2015, 11, 722-738.   | 1.4 | 117       |
| 22 | CESTA, a positive regulator of brassinosteroid biosynthesis. <i>EMBO Journal</i> , 2011, 30, 1149-1161.  | 3.5 | 115       |
| 23 | Stable isotopic labelling-assisted untargeted metabolic profiling reveals novel conjugates of the mycotoxin deoxynivalenol in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5031-5036.                       | 1.9 | 102       |
| 24 | Control of peroxisome proliferation in <i>Saccharomyces cerevisiae</i> by ADR1, SNF1 (CAT1, CCR1) and SNF4 (CAT3). <i>Yeast</i> , 1992, 8, 303-309.  | 0.8 | 96        |
| 25 | Biotransformation of the Mycotoxin Deoxynivalenol in Fusarium Resistant and Susceptible Near Isogenic Wheat Lines. <i>PLoS ONE</i> , 2015, 10, e0119656.   | 1.1 | 93        |
| 26 | Cleavage of Zearalenone by <i>Trichosporon mycotoxinivorans</i> to a Novel Nonestrogenic Metabolite. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2353-2359.  | 1.4 | 92        |
| 27 | Transgenic <i>Arabidopsis thaliana</i> expressing a barley UDP-glucosyltransferase exhibit resistance to the mycotoxin deoxynivalenol. <i>Journal of Experimental Botany</i> , 2012, 63, 4731-4740.                              | 2.4 | 92        |
| 28 | Functional Characterization of Two Clusters of <i>Brachypodium distachyon</i> UDP-Glycosyltransferases Encoding Putative Deoxynivalenol Detoxification Genes. <i>Molecular Plant-Microbe Interactions</i> , 2013, 26, 781-792.   | 1.4 | 85        |
| 29 | A novel stable isotope labelling assisted workflow for improved untargeted LC-HRMS based metabolomics research. <i>Metabolomics</i> , 2014, 10, 754-769.   | 1.4 | 84        |
| 30 | FGDB: revisiting the genome annotation of the plant pathogen <i>Fusarium graminearum</i> . <i>Nucleic Acids Research</i> , 2011, 39, D637-D639.  | 6.5 | 81        |
| 31 | Zearalenone-16-O-glucoside: A New Masked Mycotoxin. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1181-1189.   | 2.4 | 81        |
| 32 | Metabolism of the Fusarium Mycotoxins T-2 Toxin and HT-2 Toxin in Wheat. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7862-7872.  | 2.4 | 78        |
| 33 | FGDB: a comprehensive fungal genome resource on the plant pathogen <i>Fusarium graminearum</i> . <i>Nucleic Acids Research</i> , 2006, 34, D456-D458.  | 6.5 | 77        |
| 34 | 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> , 2017, 91, 699-712.  | 1.9 | 75        |
| 35 | Heterologous Expression of <i>Arabidopsis</i> UDP-Glucosyltransferases in <i>Saccharomyces cerevisiae</i> for Production of Zearalenone-4-O-Glucoside. <i>Applied and Environmental Microbiology</i> , 2006, 72, 4404-4410.      | 1.4 | 74        |
| 36 | A barley UDP-glucosyltransferase inactivates nivalenol and provides <i>Fusarium</i> Head Blight resistance in transgenic wheat. <i>Journal of Experimental Botany</i> , 2017, 68, 2187-2197.                                     | 2.4 | 74        |

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|----|---|-----|-----------|
| 37 | Identification of Two GDP-6-deoxy-d-lyxo-4-hexulose Reductases Synthesizing GDP-d-rhamnose in <i>Aneurinibacillus thermoaerophilus</i> L420-91T. <i>Journal of Biological Chemistry</i> , 2001, 276, 5577-5583.   | 1.6 | 71        |
| 38 | Deoxynivalenol-sulfates: identification and quantification of novel conjugated (masked) mycotoxins in wheat. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1033-1039.  | 1.9 | 68        |
| 39 | Individual and combined roles of malonichrome, ferricrocin, and TAFC siderophores in <i>Fusarium graminearum</i> pathogenic and sexual development. <i>Frontiers in Microbiology</i> , 2014, 5, 759.  | 1.5 | 60        |
| 40 | Direct quantification of deoxynivalenol glucuronide in human urine as biomarker of exposure to the <i>Fusarium</i> mycotoxin deoxynivalenol. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 195-200.  | 1.9 | 57        |
| 41 | Tracing the metabolism of HT-2 toxin and T-2 toxin in barley by isotope-assisted untargeted screening and quantitative LC-HRMS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8019-8033.  | 1.9 | 56        |
| 42 | Comparative in vitro cytotoxicity of modified deoxynivalenol on porcine intestinal epithelial cells. <i>Food and Chemical Toxicology</i> , 2016, 95, 103-109.   | 1.8 | 55        |
| 43 | Untargeted Profiling of Tracer-Derived Metabolites Using Stable Isotopic Labeling and Fast Polarity-Switching LC-ESI-HRMS. <i>Analytical Chemistry</i> , 2014, 86, 11533-11537.   | 3.2 | 52        |
| 44 | Crystal Structure of Os79 (Os04g0206600) from <i>Oryza sativa</i> : A UDP-glucosyltransferase Involved in the Detoxification of Deoxynivalenol. <i>Biochemistry</i> , 2016, 55, 6175-6186.  | 1.2 | 49        |
| 45 | 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> , 2014, 278, 107-115.   | 1.3 | 44        |
| 46 | Biochemical Characterization of a Recombinant UDP-glucosyltransferase from Rice and Enzymatic Production of Deoxynivalenol-3-O- $\beta$ -D-glucoside. <i>Toxins</i> , 2015, 7, 2685-2700.   | 1.5 | 40        |
| 47 | Identification of a novel human deoxynivalenol metabolite enhancing proliferation of intestinal and urinary bladder cells. <i>Scientific Reports</i> , 2016, 6, 33854.  | 1.6 | 40        |
| 48 | A Sensitive and Inexpensive Yeast Bioassay for the Mycotoxin Zearalenone and Other Compounds with Estrogenic Activity. <i>Applied and Environmental Microbiology</i> , 2003, 69, 805-811.   | 1.4 | 39        |
| 49 | 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> , 2014, 142, 167-181.                               | 1.4 | 38        |
| 50 | <i>Saccharomyces cerevisiae</i> URH1 (Encoding Uridine-Cytidine N-Ribohydrolase): Functional Complementation by a Nucleoside Hydrolase from a Protozoan Parasite and by a Mammalian Uridine Phosphorylase. <i>Applied and Environmental Microbiology</i> , 2002, 68, 1336-1343. | 1.4 | 37        |
| 51 | Metabolically Independent and Accurately Adjustable <i>Aspergillus</i> sp. Expression System. <i>Applied and Environmental Microbiology</i> , 2005, 71, 672-678.  | 1.4 | 37        |
| 52 | Synthesis of deoxynivalenol-3- $\beta$ -D-O-glucuronide for its use as biomarker for dietary deoxynivalenol exposure. <i>World Mycotoxin Journal</i> , 2012, 5, 127-132.  | 0.8 | 37        |
| 53 | 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> , 2015, 63, 9441-9451.   | 2.4 | 36        |
| 54 | UDP-Glucosyltransferases from Rice, <i>Brachypodium</i> , and Barley: Substrate Specificities and Synthesis of Type A and B Trichothecene-3-O- $\beta$ -D-glucosides. <i>Toxins</i> , 2018, 10, 111.  | 1.5 | 35        |

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|----|--|-----|-----------|
| 55 | Stable Isotope-Assisted Plant Metabolomics: Investigation of Phenylalanine-Related Metabolic Response in Wheat Upon Treatment With the Fusarium Virulence Factor Deoxynivalenol. <i>Frontiers in Plant Science</i> , 2019, 10, 1137.   | 1.7 | 35        |
| 56 | Biotransformation of the Mycotoxin Zearalenone to its Metabolites Hydrolyzed Zearalenone (HZEN) and Decarboxylated Hydrolyzed Zearalenone (DHZEN) Diminishes its Estrogenicity In Vitro and In Vivo. <i>Toxins</i> , 2019, 11, 481.  | 1.5 | 35        |
| 57 | Title is missing!. <i>European Journal of Plant Pathology</i> , 2002, 108, 699-703.  | 0.8 | 33        |
| 58 | Short review: Metabolism of the Fusarium mycotoxins deoxynivalenol and zearalenone in plants. <i>Mycotoxin Research</i> , 2007, 23, 68-72.   | 1.3 | 31        |
| 59 | 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> , 2015, 7, 3112-3126.                                  | 1.5 | 30        |
| 60 | Determinants and Expansion of Specificity in a Trichothecene UDP-Glucosyltransferase from <i>Oryza sativa</i> . <i>Biochemistry</i> , 2017, 56, 6585-6596.   | 1.2 | 30        |
| 61 | The Fusarium metabolite culmorin suppresses the in vitro glucuronidation of deoxynivalenol. <i>Archives of Toxicology</i> , 2019, 93, 1729-1743.   | 1.9 | 30        |
| 62 | Toxin-dependent utilization of engineered ribosomal protein L3 limits trichothecene resistance in transgenic plants. <i>Plant Biotechnology Journal</i> , 2004, 2, 329-340.  | 4.1 | 29        |
| 63 | Engineered baker's yeast as a sensitive bioassay indicator organism for the trichothecene toxin deoxynivalenol. <i>Journal of Microbiological Methods</i> , 2008, 72, 306-312.   | 0.7 | 29        |
| 64 | Study on the uptake and deglycosylation of the masked forms of zearalenone in human intestinal Caco-2 cells. <i>Food and Chemical Toxicology</i> , 2016, 98, 232-239.  | 1.8 | 29        |
| 65 | Fast and reproducible chemical synthesis of zearalenone-14- <sup>3</sup> H-D-glucuronide. <i>World Mycotoxin Journal</i> , 2012, 5, 289-296.   | 0.8 | 28        |
| 66 | A Versatile Family 3 Glycoside Hydrolase from <i>Bifidobacterium adolescentis</i> Hydrolyzes <sup>3</sup> H-Glucosides of the Fusarium Mycotoxins Deoxynivalenol, Nivalenol, and HT-2 Toxin in Cereal Matrices. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4885-4893. | 1.4 | 26        |
| 67 | Response of intestinal HT-29 cells to the trichothecene mycotoxin deoxynivalenol and its sulfated conjugates. <i>Toxicology Letters</i> , 2018, 295, 424-437.  | 0.4 | 26        |
| 68 | Stable Isotope-Assisted Metabolomics for Deciphering Xenobiotic Metabolism in Mammalian Cell Culture. <i>ACS Chemical Biology</i> , 2020, 15, 970-981.   | 1.6 | 25        |
| 69 | Synthesis of Mono- and Di-Glucosides of Zearalenone and <sup>3</sup> H-Zearalenol by Recombinant Barley Glucosyltransferase HvUGT14077. <i>Toxins</i> , 2017, 9, 58.   | 1.5 | 24        |
| 70 | 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        |
| 71 | Stable Isotope-Assisted Plant Metabolomics: Combination of Global and Tracer-Based Labeling for Enhanced Untargeted Profiling and Compound Annotation. <i>Frontiers in Plant Science</i> , 2019, 10, 1366.   | 1.7 | 23        |
| 72 | DON-glycosides: Characterisation of synthesis products and screening for their occurrence in DON-treated wheat samples. <i>Mycotoxin Research</i> , 2005, 21, 123-127.   | 1.3 | 20        |

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|----|---|-----|-----------|
| 73 | 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> , 2011, 59, 9709-9714.  | 2.4 | 20        |
| 74 | Methylthio deoxynivalenol (MTD): insight into the chemistry, structure and toxicity of thia-Michael adducts of trichothecenes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5144.  | 1.5 | 20        |
| 75 | Critical evaluation of indirect methods for the determination of deoxynivalenol and its conjugated forms in cereals. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 6009-6020.  | 1.9 | 20        |
| 76 | Title is missing!. <i>Molecular Breeding</i> , 1998, 4, 449-457.  | 1.0 | 18        |
| 77 | Synthesis of deoxynivalenol-glucosides and their characterization using a QTrap LC-MS/MS. <i>Mycotoxin Research</i> , 2003, 19, 47-50.  | 1.3 | 18        |
| 78 | Chemical synthesis of culmorin metabolites and their biologic role in culmorin and acetyl-culmorin treated wheat cells. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2043-2048.  | 1.5 | 18        |
| 79 | Less-toxic rearrangement products of NX-toxins are formed during storage and food processing. <i>Toxicology Letters</i> , 2018, 284, 205-212.   | 0.4 | 18        |
| 80 | Identification and Characterization of Carboxylesterases from <i>Brachypodium distachyon</i> Deacetylating Trichothecene Mycotoxins. <i>Toxins</i> , 2016, 8, 6.  | 1.5 | 17        |
| 81 | New Plasmids for <i>Fusarium</i> Transformation Allowing Positive-Negative Selection and Efficient Cre-loxP Mediated Marker Recycling. <i>Frontiers in Microbiology</i> , 2018, 9, 1954.  | 1.5 | 17        |
| 82 | Impact of glutathione modulation on the toxicity of the <i>Fusarium</i> mycotoxins deoxynivalenol (DON), NX-3 and butenolide in human liver cells. <i>Toxicology Letters</i> , 2018, 299, 104-117.  | 0.4 | 17        |
| 83 | Cloning and characterization of the ribosomal protein L3 (RPL3) gene family from <i>Triticum aestivum</i> . <i>Molecular Genetics and Genomics</i> , 2007, 277, 507-517.  | 1.0 | 16        |
| 84 | Sulfation of deoxynivalenol, its acetylated derivatives, and T2-toxin. <i>Tetrahedron</i> , 2014, 70, 5260-5266.  | 1.0 | 16        |
| 85 | The role of roughage provision on the absorption and disposition of the mycotoxin deoxynivalenol and its acetylated derivatives in calves: from field observations to toxicokinetics. <i>Archives of Toxicology</i> , 2019, 93, 293-310.  | 1.9 | 16        |
| 86 | Sulfation of 1 <sup>2</sup> -resorcylic acid esters – first synthesis of zearalenone-14-sulfate. <i>Tetrahedron Letters</i> , 2013, 54, 3290-3293.  | 0.7 | 15        |
| 87 | Synthesis of zearalenone-16- <sup>12</sup> ,D-glucoside and zearalenone-16-sulfate: A tale of protecting resorcylic acid lactones for regiocontrolled conjugation. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1129-1134.   | 1.3 | 15        |
| 88 | Retrofitting YACs for direct DNA transfer into plant cells. <i>Plant Journal</i> , 1997, 11, 1349-1358.   | 2.8 | 13        |
| 89 | <i>Fusarium</i> Mycotoxins and Their Role in Plant-Pathogen Interactions. <i>Fungal Biology</i> , 2015, , 199-233.  | 0.3 | 13        |
| 90 | Hydrophilic interaction liquid chromatography coupled with tandem mass spectrometry for the quantification of uridine diphosphate-glucose, uridine diphosphate-glucuronic acid, deoxynivalenol and its glucoside: In-house validation and application to wheat. <i>Journal of Chromatography A</i> , 2015, 1423, 183-189. | 1.8 | 13        |

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|-----|---|-----|-----------|
| 91  | Stereoselective Luche Reduction of Deoxynivalenol and Three of Its Acetylated Derivatives at C8. <i>Toxins</i> , 2014, 6, 325-336.  | 1.5 | 11        |
| 92  | Development and Validation of an LC-MS/MS Based Method for the Determination of Deoxynivalenol and Its Modified Forms in Maize. <i>Toxins</i> , 2021, 13, 600.  | 1.5 | 11        |
| 93  | Production of zearalenone-4-glucoside, a-zearalenol-4-glucoside and ̑-zearalenol-4-glucoside. <i>Mycotoxin Research</i> , 2007, 23, 180-184.  | 1.3 | 10        |
| 94  | Isolation and Structure Elucidation of Pentahydroxyscirpene, a Trichothecene Fusarium Mycotoxin. <i>Journal of Natural Products</i> , 2014, 77, 188-192.  | 1.5 | 10        |
| 95  | Cross-reactivity of commercial and non-commercial deoxynivalenol-antibodies to emerging trichothecenes and common deoxynivalenol-derivatives. <i>World Mycotoxin Journal</i> , 2019, 12, 45-53.   | 0.8 | 10        |
| 96  | Pro-Inflammatory Effects of NX-3 Toxin Are Comparable to Deoxynivalenol and not Modulated by the Co-Occurring Pro-Oxidant Aurofusarin. <i>Microorganisms</i> , 2020, 8, 603.  | 1.6 | 10        |
| 97  | Biochemical Characterization of the Fusarium graminearum Candidate ACC-Deaminases and Virulence Testing of Knockout Mutant Strains. <i>Frontiers in Plant Science</i> , 2019, 10, 1072.   | 1.7 | 9         |
| 98  | Metabolism of nivalenol and nivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , 2019, 306, 43-52.  | 0.4 | 9         |
| 99  | Elucidation of xenoestrogen metabolism by non-targeted, stable isotope-assisted mass spectrometry in breast cancer cells. <i>Environment International</i> , 2022, 158, 106940.   | 4.8 | 9         |
| 100 | Identification and Functional Characterization of the Gene Cluster Responsible for Fusaproliferin Biosynthesis in Fusarium proliferatum. <i>Toxins</i> , 2021, 13, 468.   | 1.5 | 8         |
| 101 | Double Mutation in Tomato Ribosomal Protein L3 cDNA Confers Tolerance to Deoxynivalenol (DON) in Transgenic Tobacco. <i>Pakistan Journal of Biological Sciences</i> , 2007, 10, 2327-2333.  | 0.2 | 6         |
| 102 | Zearalenone and ̑-Zearalenol But Not Their Glucosides Inhibit Heat Shock Protein 90 ATPase Activity. <i>Frontiers in Pharmacology</i> , 2019, 10, 1160.   | 1.6 | 5         |
| 103 | Identification and Functional Characterisation of Two Oat UDP-Glucosyltransferases Involved in Deoxynivalenol Detoxification. <i>Toxins</i> , 2022, 14, 446.  | 1.5 | 5         |
| 104 | Suppression of Trichothecene-Mediated Immune Response by the Fusarium Secondary Metabolite Butenolide in Human Colon Epithelial Cells. <i>Frontiers in Nutrition</i> , 2020, 7, 127.  | 1.6 | 4         |
| 105 | Ubiquitin and fusarium resistance: Lessons from wheat cDNAs conferring deoxynivalenol resistance in yeast. <i>Cereal Research Communications</i> , 2008, 36, 437-441.   | 0.8 | 3         |
| 106 | First results of GEN-AU: Cloning of Deoxynivalenol- and Zearalenone-inactivating UDP-glucosyltransferase genes from Arabidopsis thaliana and expression in yeast for production of mycotoxin-glucosides. <i>Mycotoxin Research</i> , 2005, 21, 108-111. | 1.3 | 2         |
| 107 | Cloning and heterologous expression of candidate DON-inactivating UDP-glucosyltransferases from rice and wheat in yeast. <i>Plant Breeding and Seed Science</i> , 2011, 64, .   | 0.1 | 2         |
| 108 | Pentahydroxyscirpene-Producing Strains, Formation In Planta, and Natural Occurrence. <i>Toxins</i> , 2016, 8, 295.  | 1.5 | 1         |