Wulf-Dieter Moll

List of Publications by Year in Descending Order

30 papers	1,526 citations	20 h-index	34 g-index
34 ext. papers	1,760 ext. citations	5.9 avg, IF	4.11 L-index

#	Paper	IF	Citations
30	Enzymatic detoxification of the fumonisin mycotoxins during dry milling of maize. *Food Control*, **2021**, 123, 107726	6.2	3
29	An In Silico Target Fishing Approach to Identify Novel Ochratoxin A Hydrolyzing Enzyme. *Toxins*, **2020**, 12,	4.9	4
28	Reduced toxicity of 3-epi-deoxynivalenol and de-epoxy-deoxynivalenol through deoxynivalenol bacterial biotransformation: In vivo analysis in piglets. *Food and Chemical Toxicology*, **2020**, 140, 111241	4.7	12
27	Biotransformation of the Mycotoxin Zearalenone to its Metabolites Hydrolyzed Zearalenone (HZEN) and Decarboxylated Hydrolyzed Zearalenone (DHZEN) Diminishes its Estrogenicity In Vitro and In Vivo. *Toxins*, **2019**, 11,	4.9	16
26	Detoxification of the Fumonisin Mycotoxins in Maize: An Enzymatic Approach. *Toxins*, **2019**, 11,	4.9	11
25	MicroRNAs in porcine uterus and serum are affected by zearalenone and represent a new target for mycotoxin biomarker discovery. *Scientific Reports*, **2019**, 9, 9408	4.9	13
24	Deepoxy-deoxynivalenol retains some immune-modulatory properties of the parent molecule deoxynivalenol in piglets. *Archives of Toxicology*, **2018**, 92, 3381-3389	5.8	21
23	Microbial biotransformation of DON: molecular basis for reduced toxicity. *Scientific Reports*, **2016**, 6, 29105	4.9	91
22	Intestinal toxicity of the masked mycotoxin deoxynivalenol-3-D-glucoside. *Archives of Toxicology*, **2016**, 90, 2037-46	5.8	75
21	Dose-dependent effects on sphingoid bases and cytokines in chickens fed diets prepared with fusarium verticillioides culture material containing fumonisins. *Toxins*, **2015**, 7, 1253-72	4.9	26
20	Rhodococcus erythropolis MTHt3 biotransforms ergopeptines to lysergic acid. *BMC Microbiology*, **2015**, 15, 73	4.5	6
19	Effects of orally administered fumonisin B[FB], partially hydrolysed FB, hydrolysed FB and N-(1-deoxy-D-fructos-1-yl) FB on the sphingolipid metabolism in rats. *Food and Chemical Toxicology* , **2015**, 76, 11-8	4.7	56
18	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in pigs. *Toxicology Letters*, **2014**, 229, 190-7	4.4	116
17	Deoxynivalenol (DON) sulfonates as major DON metabolites in rats: from identification to biomarker method development, validation and application. *Analytical and Bioanalytical Chemistry*, **2014**, 406, 7911-24	4.4	26
16	Biotransformation approaches to alleviate the effects induced by fusarium mycotoxins in swine. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 6711-9	5.7	37
15	The low intestinal and hepatic toxicity of hydrolyzed fumonisin B correlates with its inability to alter the metabolism of sphingolipids. *Biochemical Pharmacology*, **2012**, 83, 1465-73	6	87
14	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. *Toxicology Letters*, **2012**, 213, 367-73	4.4	107

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13	Chronic ingestion of deoxynivalenol and fumonisin, alone or in interaction, induces morphological and immunological changes in the intestine of piglets. *British Journal of Nutrition*, **2012**, 107, 1776-86	3.6	176
12	An aminotransferase from bacterium ATCC 55552 deaminates hydrolyzed fumonisin B *Biodegradation*, **2011**, 22, 25-30	4.1	24
11	Enzyme characteristics of aminotransferase FumI of Sphingopyxis sp. MTA144 for deamination of hydrolyzed fumonisin B*Applied Microbiology and Biotechnology*, **2011**, 91, 757-68	5.7	35
10	Individual and combined effects of subclinical doses of deoxynivalenol and fumonisins in piglets. *Molecular Nutrition and Food Research*, **2011**, 55, 761-71	5.9	86
9	Enhancement of solubility in Escherichia coli and purification of an aminotransferase from Sphingopyxis sp. MTA144 for deamination of hydrolyzed fumonisin B(1). *Microbial Cell Factories*, **2010**, 9, 62	6.4	29
8	Degradation of fumonisin B1 by the consecutive action of two bacterial enzymes. *Journal of Biotechnology*, **2010**, 145, 120-9	3.7	81
7	Engineered bakers yeast as a sensitive bioassay indicator organism for the trichothecene toxin deoxynivalenol. *Journal of Microbiological Methods*, **2008**, 72, 306-12	2.8	22
6	Grouping of ferritin and gold nanoparticles conjugated to pRNA of the phage phi29 DNA-packaging motor. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 3257-67	1.3	20
5	Controlling bacteriophage phi29 DNA-packaging motor by addition or discharge of a peptide at N-terminus of connector protein that interacts with pRNA. *Nucleic Acids Research*, **2006**, 34, 5482-90	20.1	12
4	Binding of pRNA to the N-terminal 14 amino acids of connector protein of bacteriophage phi29. *Nucleic Acids Research*, **2005**, 33, 2640-9	20.1	41
3	Translocation of nicked but not gapped DNA by the packaging motor of bacteriophage phi29. *Journal of Molecular Biology*, **2005**, 351, 100-7	6.5	19
2	Bottom-up Assembly of RNA Arrays and Superstructures as Potential Parts in Nanotechnology. *Nano Letters*, **2004**, 4, 1717-23	11.5	155
1	The promoter of an apple Ypr10 gene, encoding the major allergen Mal d 1, is stress- and pathogen-inducible. *Plant Science*, **2000**, 152, 35-50	5.3	118