

Wulf-Dieter Moll

List of Publications by Citations

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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	Chronic ingestion of deoxynivalenol and fumonisin, alone or in interaction, induces morphological and immunological changes in the intestine of piglets. <i>British Journal of Nutrition</i> , 2012 , 107, 1776-86	3.6	176
29	Bottom-up Assembly of RNA Arrays and Superstructures as Potential Parts in Nanotechnology. <i>Nano Letters</i> , 2004 , 4, 1717-23	11.5	155
28	The promoter of an apple Ypr10 gene, encoding the major allergen Mal d 1, is stress- and pathogen-inducible. <i>Plant Science</i> , 2000 , 152, 35-50	5.3	118
27	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in pigs. <i>Toxicology Letters</i> , 2014 , 229, 190-7	4.4	116
26	Metabolism of the masked mycotoxin deoxynivalenol-3-glucoside in rats. <i>Toxicology Letters</i> , 2012 , 213, 367-73	4.4	107
25	Microbial biotransformation of DON: molecular basis for reduced toxicity. <i>Scientific Reports</i> , 2016 , 6, 29105	4.9	91
24	The low intestinal and hepatic toxicity of hydrolyzed fumonisin B ₁ correlates with its inability to alter the metabolism of sphingolipids. <i>Biochemical Pharmacology</i> , 2012 , 83, 1465-73	6	87
23	Individual and combined effects of subclinical doses of deoxynivalenol and fumonisins in piglets. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 761-71	5.9	86
22	Degradation of fumonisin B ₁ by the consecutive action of two bacterial enzymes. <i>Journal of Biotechnology</i> , 2010 , 145, 120-9	3.7	81
21	Intestinal toxicity of the masked mycotoxin deoxynivalenol-3- β -D-glucoside. <i>Archives of Toxicology</i> , 2016 , 90, 2037-46	5.8	75
20	Effects of orally administered fumonisin B ₁ [FB ₁] partially hydrolysed FB ₁ hydrolysed FB ₁ and N-(1-deoxy-D-fructos-1-yl) FB ₁ on the sphingolipid metabolism in rats. <i>Food and Chemical Toxicology</i> , 2015 , 76, 11-8	4.7	56
19	Binding of pRNA to the N-terminal 14 amino acids of connector protein of bacteriophage phi29. <i>Nucleic Acids Research</i> , 2005 , 33, 2640-9	20.1	41
18	Biotransformation approaches to alleviate the effects induced by fusarium mycotoxins in swine. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 6711-9	5.7	37
17	Enzyme characteristics of aminotransferase FumI of <i>Sphingopyxis</i> sp. MTA144 for deamination of hydrolyzed fumonisin B ₁ . <i>Applied Microbiology and Biotechnology</i> , 2011 , 91, 757-68	5.7	35
16	Enhancement of solubility in <i>Escherichia coli</i> and purification of an aminotransferase from <i>Sphingopyxis</i> sp. MTA144 for deamination of hydrolyzed fumonisin B(1). <i>Microbial Cell Factories</i> , 2010 , 9, 62	6.4	29
15	Dose-dependent effects on sphingoid bases and cytokines in chickens fed diets prepared with fusarium verticillioides culture material containing fumonisins. <i>Toxins</i> , 2015 , 7, 1253-72	4.9	26
14	Deoxynivalenol (DON) sulfonates as major DON metabolites in rats: from identification to biomarker method development, validation and application. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 7911-24	4.4	26

13	An aminotransferase from bacterium ATCC 55552 deaminates hydrolyzed fumonisin B ₁ <i>Biodegradation</i> , 2011 , 22, 25-30	4.1	24
12	Engineered bakers yeast as a sensitive bioassay indicator organism for the trichothecene toxin deoxynivalenol. <i>Journal of Microbiological Methods</i> , 2008 , 72, 306-12	2.8	22
11	Deepoxy-deoxynivalenol retains some immune-modulatory properties of the parent molecule deoxynivalenol in piglets. <i>Archives of Toxicology</i> , 2018 , 92, 3381-3389	5.8	21
10	Grouping of ferritin and gold nanoparticles conjugated to pRNA of the phage phi29 DNA-packaging motor. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3257-67	1.3	20
9	Translocation of nicked but not gapped DNA by the packaging motor of bacteriophage phi29. <i>Journal of Molecular Biology</i> , 2005 , 351, 100-7	6.5	19
8	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,	4.9	16
7	MicroRNAs in porcine uterus and serum are affected by zearalenone and represent a new target for mycotoxin biomarker discovery. <i>Scientific Reports</i> , 2019 , 9, 9408	4.9	13
6	Controlling bacteriophage phi29 DNA-packaging motor by addition or discharge of a peptide at N-terminus of connector protein that interacts with pRNA. <i>Nucleic Acids Research</i> , 2006 , 34, 5482-90	20.1	12
5	Reduced toxicity of 3-epi-deoxynivalenol and de-epoxy-deoxynivalenol through deoxynivalenol bacterial biotransformation: In vivo analysis in piglets. <i>Food and Chemical Toxicology</i> , 2020 , 140, 111241	4.7	12
4	Detoxification of the Fumonisin Mycotoxins in Maize: An Enzymatic Approach. <i>Toxins</i> , 2019 , 11,	4.9	11
3	Rhodococcus erythropolis MTHt3 biotransforms ergopeptines to lysergic acid. <i>BMC Microbiology</i> , 2015 , 15, 73	4.5	6
2	An In Silico Target Fishing Approach to Identify Novel Ochratoxin A Hydrolyzing Enzyme. <i>Toxins</i> , 2020 , 12,	4.9	4
1	Enzymatic detoxification of the fumonisin mycotoxins during dry milling of maize. <i>Food Control</i> , 2021 , 123, 107726	6.2	3