

# Johanna Fink-Gremmels

## List of Publications by Year in descending order

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64  
papers

2,974  
citations

147566

31  
h-index

161609

54  
g-index

65  
all docs

65  
docs citations

65  
times ranked

3489  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mycotoxins in cattle feeds and carry-over to dairy milk: A review. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2008, 25, 172-180.	1.1	272
2	Differences in Susceptibility to Heat Stress along the Chicken Intestine and the Protective Effects of Galacto-Oligosaccharides. PLoS ONE, 2015, 10, e0138975.	1.1	172
3	The intestinal barrier as an emerging target in the toxicological assessment of mycotoxins. Archives of Toxicology, 2017, 91, 1007-1029.	1.9	143
4	In vitro assessment of adsorbents aiming to prevent deoxynivalenol and zearalenone mycotoxicoses. Mycopathologia, 2007, 163, 81-90.	1.3	127
5	Transgenerational toxicity of Zearalenone in pigs. Reproductive Toxicology, 2012, 34, 110-119.	1.3	114
6	Deoxynivalenol: a trigger for intestinal integrity breakdown. FASEB Journal, 2014, 28, 2414-2429.	0.2	114
7	Exposure of Oocytes to the Fusarium Toxins Zearalenone and Deoxynivalenol Causes Aneuploidy and Abnormal Embryo Development in Pigs1. Biology of Reproduction, 2007, 77, 840-847.	1.2	109
8	Galacto-oligosaccharides Protect the Intestinal Barrier by Maintaining the Tight Junction Network and Modulating the Inflammatory Responses after a Challenge with the Mycotoxin Deoxynivalenol in Human Caco-2 Cell Monolayers and B6C3F1 Mice. Journal of Nutrition, 2015, 145, 1604-1613.	1.3	106
9	Recent advances in the risk assessment of melamine and cyanuric acid in animal feed. Toxicology and Applied Pharmacology, 2013, 270, 218-229.	1.3	105
10	Implications of hepatic cytochrome P450-related biotransformation processes in veterinary sciences. European Journal of Pharmacology, 2008, 585, 502-509.	1.7	91
11	Beyond Heat Stress: Intestinal Integrity Disruption and Mechanism-Based Intervention Strategies. Nutrients, 2020, 12, 734.	1.7	90
12	Deoxynivalenol Impairs Weight Gain and Affects Markers of Gut Health after Low-Dose, Short-Term Exposure of Growing Pigs. Toxins, 2015, 7, 2071-2095.	1.5	82
13	Characterizing microbiota-independent effects of oligosaccharides on intestinal epithelial cells: insight into the role of structure and size. European Journal of Nutrition, 2017, 56, 1919-1930.	1.8	73
14	Quantitative histo-morphometric analysis of heat-stress-related damage in the small intestines of broiler chickens. Avian Pathology, 2015, 44, 19-22.	0.8	71
15	Bioactivation of zearalenone by porcine hepatic biotransformation. Veterinary Research, 2005, 36, 799-810.	1.1	67
16	Direct cell-to-cell contact between Kupffer cells and hepatocytes augments endotoxin-induced hepatic injury. American Journal of Physiology - Renal Physiology, 2001, 280, G720-G728.	1.6	66
17	Implications of ABC transporters on the disposition of typical veterinary medicinal products. European Journal of Pharmacology, 2008, 585, 510-519.	1.7	62
18	Patulin produced by an Aspergillus clavatus isolated from feed containing malting residues associated with a lethal neurotoxicosis in cattle. Mycopathologia, 2004, 158, 419-426.	1.3	57

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19	An overview of aflatoxin B1 biotransformation and aflatoxin M1 secretion in lactating dairy cows. <i>Animal Nutrition</i> , 2021, 7, 42-48.	2.1	52
20	Challenges in exploring the cytochrome P450 system as a source of variation in canine drug pharmacokinetics. <i>Drug Metabolism Reviews</i> , 2013, 45, 218-230.	1.5	51
21	Tissue distribution of ochratoxin A as determined by HPLC and ELISA and histopathological effects in chickens. <i>Avian Pathology</i> , 2002, 31, 141-148.	0.8	49
22	Deoxynivalenol-induced cytotoxicity, cytokines and related genes in unstimulated or lipopolysaccharide stimulated primary porcine macrophages. <i>Toxicology Letters</i> , 2009, 184, 97-106.	0.4	48
23	Toxicity and metabolism of ochratoxin A. <i>Natural Toxins</i> , 1995, 3, 214-220.	1.0	47
24	Differential induction of apoptosis by type A and B trichothecenes in Jurkat T-lymphocytes. <i>Toxicology in Vitro</i> , 2006, 20, 832-840.	1.1	44
25	Analyzing the antibacterial effects of food ingredients: model experiments with allicin and garlic extracts on biofilm formation and viability of <i>Staphylococcus epidermidis</i> . <i>Food Science and Nutrition</i> , 2015, 3, 158-168.	1.5	44
26	Deoxynivalenol and Its Modified Forms: Are There Major Differences?. <i>Toxins</i> , 2016, 8, 334.	1.5	39
27	Galacto-oligosaccharides exert a protective effect against heat stress in a Caco-2 cell model. <i>Journal of Functional Foods</i> , 2015, 16, 265-277.	1.6	38
28	Mutagenicity and genotoxicity of the mycotoxin ochratoxin A. <i>Environmental Toxicology and Pharmacology</i> , 1996, 1, 21-26.	2.0	37
29	Bovine Hepatic Metabolism of Aflatoxin B1. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 2707-2713.	2.4	37
30	Characterization of biotransformation enzyme activities in primary rat proximal tubular cells. <i>Chemico-Biological Interactions</i> , 2001, 134, 167-190.	1.7	36
31	Toxicity of beauvericin on porcine oocyte maturation and preimplantation embryo development. <i>Reproductive Toxicology</i> , 2016, 65, 159-169.	1.3	34
32	Effects of a feed additive blend on broilers challenged with heat stress. <i>Avian Pathology</i> , 2019, 48, 582-601.	0.8	33
33	Interactions of deoxynivalenol and lipopolysaccharides on cytokine excretion and mRNA expression in porcine hepatocytes and Kupffer cell enriched hepatocyte cultures. <i>Toxicology Letters</i> , 2009, 190, 96-105.	0.4	26
34	Milk Oligosaccharide Variation in Sow Milk and Milk Oligosaccharide Fermentation in Piglet Intestine. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2087-2093.	2.4	24
35	l-Arginine supplementation prevents intestinal epithelial barrier breakdown under heat stress conditions by promoting nitric oxide synthesis. <i>Nutrition Research</i> , 2018, 57, 45-55.	1.3	24
36	Detection of Zearalenone and Its Metabolites in Naturally Contaminated Porcine Follicular Fluid by Using Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Reproduction and Development</i> , 2011, 57, 303-306.	0.5	23

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37	Zearalenone (ZEN) disrupts the anti-inflammatory response of bovine oviductal epithelial cells to sperm in vitro. <i>Reproductive Toxicology</i> , 2017, 74, 158-163.	1.3	23
38	±-Lipoic acid prevents the intestinal epithelial monolayer damage under heat stress conditions: model experiments in Caco-2 cells. <i>European Journal of Nutrition</i> , 2018, 57, 1577-1589.	1.8	23
39	Generation and characterisation of an equine macrophage cell line (e-CAS cells) derived from equine bone marrow cells. <i>Veterinary Immunology and Immunopathology</i> , 2004, 97, 65-76.	0.5	22
40	Oligosaccharides in Urine, Blood, and Feces of Piglets Fed Milk Replacer Containing Galacto-oligosaccharides. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 10862-10872.	2.4	22
41	In Vitro Fermentation of Porcine Milk Oligosaccharides and Galacto-oligosaccharides Using Piglet Fecal Inoculum. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2127-2133.	2.4	22
42	Epithelial integrity, junctional complexes, and biomarkers associated with intestinal functions. <i>Tissue Barriers</i> , 2022, 10, 1996830.	1.6	22
43	Interactions of deoxynivalenol and lipopolysaccharides on cytotoxicity protein synthesis and metabolism of DON in porcine hepatocytes and Kupffer cell enriched hepatocyte cultures. <i>Toxicology Letters</i> , 2009, 189, 121-129.	0.4	21
44	Defense mechanisms against toxic phytochemicals in the diet of domestic animals. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 249-258.	1.5	20
45	Population variability in animal health: Influence on dose–exposure–response relationships: Part I: Drug metabolism and transporter systems. <i>Journal of Veterinary Pharmacology and Therapeutics</i> , 2018, 41, E57-E67.	0.6	20
46	Effects of Exposure to Zearalenone on Porcine Oocytes and Sperm During Maturation and Fertilization In Vitro. <i>Journal of Reproduction and Development</i> , 2011, 57, 547-550.	0.5	17
47	Chronic Allopurinol Treatment during the Last Trimester of Pregnancy in Sows: Effects on Low and Normal Birth Weight Offspring. <i>PLoS ONE</i> , 2014, 9, e86396.	1.1	17
48	Gas Chromatography-Mass Spectrometry for Metabolite Profiling of Japanese Black Cattle Naturally Contaminated with Zearalenone and Sterigmatocystin. <i>Toxins</i> , 2017, 9, 294.	1.5	16
49	Inflammation-Induced Expression of the Alarmin Interleukin 33 Can Be Suppressed by Galacto-Oligosaccharides. <i>International Archives of Allergy and Immunology</i> , 2015, 167, 127-136.	0.9	15
50	Expression of drug efflux transporters in poultry tissues. <i>Research in Veterinary Science</i> , 2010, 89, 104-107.	0.9	14
51	Measurement of Sterigmatocystin Concentrations in Urine for Monitoring the Contamination of Cattle Feed. <i>Toxins</i> , 2014, 6, 3117-3128.	1.5	13
52	Inhibition of aflatoxin B1 mutagenicity by cyclopiazonic acid in the presence of human liver preparations. <i>Toxicology Letters</i> , 2003, 143, 291-299.	0.4	12
53	Cyclopiazonic acid inhibits mutagenic action of aflatoxin B1. <i>Environmental Toxicology and Pharmacology</i> , 2002, 11, 207-212.	2.0	11
54	Cadmium Modulates Biofilm Formation by <i>Staphylococcus epidermidis</i> . <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 2878-2894.	1.2	11

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55	Fructo-Oligosaccharide (DFA III) Feed Supplementation for Mitigation of Mycotoxin Exposure in Cattle – Clinical Evaluation by a Urinary Zearalenone Monitoring System. <i>Toxins</i> , 2018, 10, 223.	1.5	9
56	Mycotoxins in the food chain: contamination of foods of animal origin. <i>Food Safety Assurance and Veterinary Public Health</i> , 2019, , 241-261.	0.4	7
57	Modulation of the cytokine responses in equine macrophages following TACE-inhibition. <i>Veterinary Immunology and Immunopathology</i> , 2004, 99, 237-243.	0.5	6
58	Effects of long-term <i>in vitro</i> exposure of ejaculated boar sperm to zearalenone and zearalenol in sperm liquid storage medium. <i>Animal Science Journal</i> , 2013, 84, 28-34.	0.6	6
59	Enrofloxacin and Probiotic Lactobacilli Influence PepT1 and LEAP-2 mRNA Expression in Poultry. <i>Probiotics and Antimicrobial Proteins</i> , 2016, 8, 215-220.	1.9	5
60	Cytochrome C and Caspase-3/7 are Involved in Mycophenolic Acid- Induced Apoptosis in Genetically Engineered PC12 Neuronal Cells Expressing the p53 gene. <i>Iranian Journal of Pharmaceutical Research</i> , 2014, 13, 191-8.	0.3	3
61	Mitigation of sterigmatocystin exposure in cattle by difructose anhydride III feed supplementation and detection of urinary sterigmatocystin and serum amyloid A concentrations. <i>Archives Animal Breeding</i> , 2021, 64, 257-264.	0.5	2
62	The role of sera from equine grass sickness on apoptosis induction in PC12 Tet-off p53 cell line. <i>Veterinary Research Forum</i> , 2015, 6, 9-15.	0.3	1
63	Mycotoxinoses in veterinary medicine: Aspergillosis and penicilliosis. <i>Veterinary Research Forum</i> , 2020, 11, 97-103.	0.3	1
64	The Influence of Glucuronidation on <i>in Vitro</i> Assessment of Bilirubin Production as Measure of HO Activity. , 2002, , 353-363.		0