Johanna Fink-Gremmels

List of Publications by Year
in descending order

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64 papers	2,974 citations	147801 31 h-index	161849 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.	2.3	272
2	Differences in Susceptibility to Heat Stress along the Chicken Intestine and the Protective Effects of Galacto-Oligosaccharides. PLoS ONE, 2015, 10, e0138975.	2.5	172
3	The intestinal barrier as an emerging target in the toxicological assessment of mycotoxins. Archives of Toxicology, 2017, 91, 1007-1029.	4.2	143
4	In vitro assessment of adsorbents aiming to prevent deoxynivalenol and zearalenone mycotoxicoses. Mycopathologia, 2007, 163, 81-90.	3.1	127
5	Transgenerational toxicity of Zearalenone in pigs. Reproductive Toxicology, 2012, 34, 110-119.	2.9	114
6	Deoxynivalenol: a trigger for intestinal integrity breakdown. FASEB Journal, 2014, 28, 2414-2429.	0.5	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.	2.7	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.	2.9	106
9	Recent advances in the risk assessment of melamine and cyanuric acid in animal feed. Toxicology and Applied Pharmacology, 2013, 270, 218-229.	2.8	105
10	Implications of hepatic cytochrome P450-related biotransformation processes in veterinary sciences. European Journal of Pharmacology, 2008, 585, 502-509.	3.5	91
11	Beyond Heat Stress: Intestinal Integrity Disruption and Mechanism-Based Intervention Strategies. Nutrients, 2020, 12, 734.	4.1	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.	3.4	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.	3.9	73
14	Quantitative histo-morphometric analysis of heat-stress-related damage in the small intestines of broiler chickens. Avian Pathology, 2015, 44, 19-22.	2.0	71
15	Bioactivation of zearalenone by porcine hepatic biotransformation. Veterinary Research, 2005, 36, 799-810.	3.0	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.	3.4	66
17	Implications of ABC transporters on the disposition of typical veterinary medicinal products. European Journal of Pharmacology, 2008, 585, 510-519.	3.5	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.	3.1	57

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19	An overview of aflatoxin B1 biotransformation and aflatoxin M1 secretion in lactating dairy cows. Animal Nutrition, 2021, 7, 42-48.	5.1	52
20	Challenges in exploring the cytochrome P450 system as a source of variation in canine drug pharmacokinetics. Drug Metabolism Reviews, 2013, 45, 218-230.	3.6	51
21	Tissue distribution of ochratoxin A as determined by HPLC and ELISA and histopathological effects in chickens. Avian Pathology, 2002, 31, 141-148.	2.0	49
22	Deoxynivalenol-induced cytotoxicity, cytokines and related genes in unstimulated or lipopolysaccharide stimulated primary porcine macrophages. Toxicology Letters, 2009, 184, 97-106.	0.8	48
23	Toxicity and metabolism of ochratoxin A. Natural Toxins, 1995, 3, 214-220.	1.0	47
24	Differential induction of apoptosis by type A and B trichothecenes in Jurkat T-lymphocytes. Toxicology in Vitro, 2006, 20, 832-840.	2.4	44
25	Analyzing the antibacterial effects of food ingredients: model experiments with allicin and garlic extracts on biofilm formation and viability of Staphylococcus epidermidis. Food Science and Nutrition, 2015, 3, 158-168.	3.4	44
26	Deoxynivalenol and Its Modified Forms: Are There Major Differences?. Toxins, 2016, 8, 334.	3.4	39
27	Galacto-oligosaccharides exert a protective effect against heat stress in a Caco-2 cell model. Journal of Functional Foods, 2015, 16, 265-277.	3.4	38
28	Mutagenicity and genotoxicity of the mycotoxin ochratoxin A. Environmental Toxicology and Pharmacology, 1996, 1, 21-26.	4.0	37
29	Bovine Hepatic Metabolism of Aflatoxin B1. Journal of Agricultural and Food Chemistry, 1998, 46, 2707-2713.	5.2	37
30	Characterization of biotransformation enzyme activities in primary rat proximal tubular cells. Chemico-Biological Interactions, 2001, 134, 167-190.	4.0	36
31	Toxicity of beauvericin on porcine oocyte maturation and preimplantation embryo development. Reproductive Toxicology, 2016, 65, 159-169.	2.9	34
32	Effects of a feed additive blend on broilers challenged with heat stress. Avian Pathology, 2019, 48, 582-601.	2.0	33
33	Interactions of deoxynivalenol and lipopolysaccharides on cytokine excretion and mRNA expression in porcine hepatocytes and Kupffer cell enriched hepatocyte cultures. Toxicology Letters, 2009, 190, 96-105.	0.8	26
34	Milk Oligosaccharide Variation in Sow Milk and Milk Oligosaccharide Fermentation in Piglet Intestine. Journal of Agricultural and Food Chemistry, 2016, 64, 2087-2093.	5.2	24
35	l-Arginine supplementation prevents intestinal epithelial barrier breakdown under heat stress conditions by promoting nitric oxide synthesis. Nutrition Research, 2018, 57, 45-55.	2.9	24
36	Detection of Zearalenone and Its Metabolites in Naturally Contaminated Porcine Follicular Fluid by Using Liquid Chromatography-Tandem Mass Spectrometry. Journal of Reproduction and Development, 2011, 57, 303-306.	1.4	23

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37	Zearalenone (ZEN) disrupts the anti-inflammatory response of bovine oviductal epithelial cells to sperm in vitro. Reproductive Toxicology, 2017, 74, 158-163.	2.9	23
38	Î±-Lipoic acid prevents the intestinal epithelial monolayer damage under heat stress conditions: model experiments in Caco-2 cells. European Journal of Nutrition, 2018, 57, 1577-1589.	3.9	23
39	Generation and characterisation of an equine macrophage cell line (e-CAS cells) derived from equine bone marrow cells. Veterinary Immunology and Immunopathology, 2004, 97, 65-76.	1.2	22
40	Oligosaccharides in Urine, Blood, and Feces of Piglets Fed Milk Replacer Containing Galacto-oligosaccharides. Journal of Agricultural and Food Chemistry, 2015, 63, 10862-10872.	5.2	22
41	In Vitro Fermentation of Porcine Milk Oligosaccharides and Galacto-oligosaccharides Using Piglet Fecal Inoculum. Journal of Agricultural and Food Chemistry, 2016, 64, 2127-2133.	5.2	22
42	Epithelial integrity, junctional complexes, and biomarkers associated with intestinal functions. Tissue Barriers, 2022, 10, 1996830.	3.2	22
43	Interactions of deoxynivalenol and lipopolysaccharides on cytotoxicity protein synthesis and metabolism of DON in porcine hepatocytes and Kupffer cell enriched hepatocyte cultures. Toxicology Letters, 2009, 189, 121-129.	0.8	21
44	Defense mechanisms against toxic phytochemicals in the diet of domestic animals. Molecular Nutrition and Food Research, 2010, 54, 249-258.	3.3	20
45	Population variability in animal health: Influence on doseâ€“exposureâ€“response relationships: Part I: Drug metabolism and transporter systems. Journal of Veterinary Pharmacology and Therapeutics, 2018, 41, E57-E67.	1.3	20
46	Effects of Exposure to Zearalenone on Porcine Oocytes and Sperm During Maturation and Fertilization In Vitro. Journal of Reproduction and Development, 2011, 57, 547-550.	1.4	17
47	Chronic Allopurinol Treatment during the Last Trimester of Pregnancy in Sows: Effects on Low and Normal Birth Weight Offspring. PLoS ONE, 2014, 9, e86396.	2.5	17
48	Gas Chromatography-Mass Spectrometry for Metabolite Profiling of Japanese Black Cattle Naturally Contaminated with Zearalenone and Sterigmatocystin. Toxins, 2017, 9, 294.	3.4	16
49	Inflammation-Induced Expression of the Alarmin Interleukin 33 Can Be Suppressed by Galacto-Oligosaccharides. International Archives of Allergy and Immunology, 2015, 167, 127-136.	2.1	15
50	Expression of drug efflux transporters in poultry tissues. Research in Veterinary Science, 2010, 89, 104-107.	1.9	14
51	Measurement of Sterigmatocystin Concentrations in Urine for Monitoring the Contamination of Cattle Feed. Toxins, 2014, 6, 3117-3128.	3.4	13
52	Inhibition of aflatoxin B1 mutagenicity by cyclopiazonic acid in the presence of human liver preparations. Toxicology Letters, 2003, 143, 291-299.	0.8	12
53	Cyclopiazonic acid inhibits mutagenic action of aflatoxin B1. Environmental Toxicology and Pharmacology, 2002, 11, 207-212.	4.0	11
54	Cadmium Modulates Biofilm Formation by Staphylococcus epidermidis. International Journal of Environmental Research and Public Health, 2015, 12, 2878-2894.	2.6	11

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55	Fructo-Oligosaccharide (DFA III) Feed Supplementation for Mitigation of Mycotoxin Exposure in Cattleâ€"Clinical Evaluation by a Urinary Zearalenone Monitoring System. Toxins, 2018, 10, 223.	3.4	9
56	Mycotoxins in the food chain: contamination of foods of animal origin. Food Safety Assurance and Veterinary Public Health, 2019, , 241-261.	0.4	7
57	Modulation of the cytokine responses in equine macrophages following TACE-inhibition. Veterinary Immunology and Immunopathology, 2004, 99, 237-243.	1.2	6
58	Effects of longâ€term in vitro exposure of ejaculated boar sperm to zearalenone and Î±â€zearalenol in sperm liquid storage medium. Animal Science Journal, 2013, 84, 28-34.	1.4	6
59	Enrofloxacin and Probiotic Lactobacilli Influence PepT1 and LEAP-2 mRNA Expression in Poultry. Probiotics and Antimicrobial Proteins, 2016, 8, 215-220.	3.9	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. Iranian Journal of Pharmaceutical Research, 2014, 13, 191-8.	0.5	3
61	Mitigation of sterigmatocystin exposure in cattle by difructose anhydride III feed supplementation and detection of urinary sterigmatocystin and serum amyloid A concentrations. Archives Animal Breeding, 2021, 64, 257-264.	1.4	2
62	The role of sera from equine grass sickness on apoptosis induction in PC12 Tet-off p53 cell line. Veterinary Research Forum, 2015, 6, 9-15.	0.3	1
63	Mycotoxicoses in veterinary medicine: Aspergillosis and penicilliosis. Veterinary Research Forum, 2020, 11, 97-103.	0.3	1
64	The Influence of Glucuronidation on in Vitro Assessment of Bilirubin Production as Measure of HO Activity. , 2002, , 353-363.		0