

# Sven DÃnicke

## List of Publications by Year in descending order

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200  
papers

4,313  
citations

147566

31  
h-index

168136

53  
g-index

207  
all docs

207  
docs citations

207  
times ranked

3420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposal of a comprehensive definition of modified and other forms of mycotoxins including "masked" mycotoxins. <i>Mycotoxin Research</i> , 2014, 30, 197-205.	1.3	268
2	The Fusarium toxins deoxynivalenol (DON) and zearalenone (ZON) in animal feeding. <i>Preventive Veterinary Medicine</i> , 2011, 102, 132-145.	0.7	154
3	Bioavailability of the Fusarium toxin deoxynivalenol (DON) from naturally contaminated wheat for the pig. <i>Toxicology Letters</i> , 2006, 163, 171-182.	0.4	142
4	Mycotoxin deoxynivalenol (DON) mediates biphasic cellular response in intestinal porcine epithelial cell lines IPEC-1 and IPEC-J2. <i>Toxicology Letters</i> , 2011, 200, 8-18.	0.4	115
5	Risks for animal health related to the presence of zearalenone and its modified forms in feed. <i>EFSA Journal</i> , 2017, 15, e04851.	0.9	115
6	Vulnerability of Polarised Intestinal Porcine Epithelial Cells to Mycotoxin Deoxynivalenol Depends on the Route of Application. <i>PLoS ONE</i> , 2011, 6, e17472.	1.1	100
7	Occurrence of Deoxynivalenol and Zearalenone in Commercial Fish Feed: An Initial Study. <i>Toxins</i> , 2013, 5, 184-192.	1.5	96
8	Kinetics and metabolism of the Fusarium toxin deoxynivalenol in farm animals: Consequences for diagnosis of exposure and intoxication and carry over. <i>Food and Chemical Toxicology</i> , 2013, 60, 58-75.	1.8	93
9	Invited review: Diagnosis of zearalenone (ZEN) exposure of farm animals and transfer of its residues into edible tissues (carry over). <i>Food and Chemical Toxicology</i> , 2015, 84, 225-249.	1.8	88
10	Alterations in the Rumen Liquid-, Particle- and Epithelium-Associated Microbiota of Dairy Cows during the Transition from a Silage- and Concentrate-Based Ration to Pasture in Spring. <i>Frontiers in Microbiology</i> , 2017, 8, 744.	1.5	78
11	On the effects of graded levels of Fusarium toxin contaminated wheat in diets for gilts on feed intake, growth performance and metabolism of deoxynivalenol and zearalenone. <i>Molecular Nutrition and Food Research</i> , 2005, 49, 932-943.	1.5	71
12	Carry-over of Fusarium toxins (deoxynivalenol and zearalenone) from naturally contaminated wheat to pigs. <i>Food Additives and Contaminants</i> , 2007, 24, 369-380.	2.0	68
13	Impact of mild heat stress on dry matter intake, milk yield and milk composition in mid-lactation Holstein dairy cows in a temperate climate. <i>Archives of Animal Nutrition</i> , 2014, 68, 358-369.	0.9	65
14	Effect of the Fusarium toxin deoxynivalenol (DON) on IgA, IgM and IgG concentrations and proliferation of porcine blood lymphocytes. <i>Toxicology in Vitro</i> , 2006, 20, 858-867.	1.1	60
15	Effects of prepartal body condition score and peripartal energy supply of dairy cows on postpartal lipolysis, energy balance and ketogenesis: an animal model to investigate subclinical ketosis. <i>Journal of Dairy Research</i> , 2014, 81, 257-266.	0.7	58
16	Residues of zearalenone (ZEN), deoxynivalenol (DON) and their metabolites in plasma of dairy cows fed Fusarium contaminated maize and their relationships to performance parameters. <i>Food and Chemical Toxicology</i> , 2014, 65, 196-204.	1.8	57
17	Longitudinal Profiling of the Tissue-Specific Expression of Genes Related with Insulin Sensitivity in Dairy Cows during Lactation Focusing on Different Fat Depots. <i>PLoS ONE</i> , 2014, 9, e86211.	1.1	52
18	A metabolomics approach to characterize phenotypes of metabolic transition from late pregnancy to early lactation in dairy cows. <i>Metabolomics</i> , 2016, 12, 1.	1.4	52

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19	Metabolism of Deoxynivalenol and Deepoxy-Deoxynivalenol in Broiler Chickens, Pullets, Roosters and Turkeys. <i>Toxins</i> , 2015, 7, 4706-4729.	1.5	51
20	A critical evaluation of health risk assessment of modified mycotoxins with a special focus on zearalenone. <i>Mycotoxin Research</i> , 2019, 35, 27-46.	1.3	51
21	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
22	Effects of the <i>Fusarium</i> toxin deoxynivalenol from naturally contaminated wheat given subchronically or as one single dose on the in vivo protein synthesis of peripheral blood lymphocytes and plasma proteins in the pig. <i>Food and Chemical Toxicology</i> , 2006, 44, 1953-1965.	1.8	46
23	Effects of long-term supplementation of dairy cow diets with rumen-protected conjugated linoleic acids (CLA) on performance, metabolic parameters and fatty acid profile in milk fat. <i>Archives of Animal Nutrition</i> , 2011, 65, 89-107.	0.9	45
24	In vivo effects of deoxynivalenol (DON) on innate immune responses of carp ( <i>Cyprinus carpio</i> L.). <i>Food and Chemical Toxicology</i> , 2014, 68, 44-52.	1.8	41
25	Study on the transmission of deoxynivalenol and de-epoxy-deoxynivalenol into eggs of laying hens using a high-performance liquid chromatography-ultraviolet method with clean-up by immunoaffinity columns. <i>Molecular Nutrition and Food Research</i> , 2005, 49, 779-785.	1.5	36
26	Diagnosis of intoxications of piglets fed with <i>Fusarium</i> toxin-contaminated maize by the analysis of mycotoxin residues in serum, liquor and urine with LC-MS/MS. <i>Archives of Animal Nutrition</i> , 2014, 68, 425-447.	0.9	36
27	No carry over of unmetabolised deoxynivalenol in milk of dairy cows fed high concentrate proportions. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 1514-1529.	1.5	35
28	Residues of deoxynivalenol (DON) in pig tissue after feeding mash or pellet diets containing low concentrations. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 727-734.	1.5	34
29	Development of a liquid chromatography tandem mass spectrometry method for the simultaneous determination of zearalenone, deoxynivalenol and their metabolites in pig serum. <i>Mycotoxin Research</i> , 2014, 30, 171-186.	1.3	34
30	Effect of exogenous fibrolytic enzymes on performance and blood profile in early and mid-lactation Holstein cows. <i>Animal Nutrition</i> , 2015, 1, 229-238.	2.1	34
31	Glucuronidation of deoxynivalenol (DON) by different animal species: identification of iso-DON glucuronides and iso-deepoxy-DON glucuronides as novel DON metabolites in pigs, rats, mice, and cows. <i>Archives of Toxicology</i> , 2017, 91, 3857-3872.	1.9	34
32	Effects of Dietary Exposure to Zearalenone (ZEN) on Carp ( <i>Cyprinus carpio</i> L.). <i>Toxins</i> , 2015, 7, 3465-3480.	1.5	32
33	Bioavailability of the <i>Fusarium</i> toxin deoxynivalenol (DON) from wheat straw and chaff in pigs. <i>Archives of Animal Nutrition</i> , 2013, 67, 37-47.	0.9	30
34	Inactivation of deoxynivalenol-contaminated cereal grains with sodium metabisulfite: a review of procedures and toxicological aspects. <i>Mycotoxin Research</i> , 2012, 28, 199-218.	1.3	29
35	Effects of a <i>Fusarium</i> toxin-contaminated triticale, either untreated or treated with sodium metabisulphite (Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> , SBS), on weaned piglets with a special focus on liver function as determined by the <sup>13</sup> C-methacetin breath test. <i>Archives of Animal Nutrition</i> , 2008, 62, 263-286.	0.9	27
36	Effects of oregano on performance and immunomodulating factors in weaned piglets. <i>Archives of Animal Nutrition</i> , 2013, 67, 461-476.	0.9	27

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37	Difference method for analysing infrared images in pigs with elevated body temperatures. Zeitschrift Fur Medizinische Physik, 2014, 24, 6-15.	0.6	27
38	Supplementation with conjugated linoleic acids extends the adiponectin deficit during early lactation in dairy cows. General and Comparative Endocrinology, 2014, 198, 13-21.	0.8	27
39	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.	0.4	26
40	Influence of various selenium sources on selenium concentration in the milk of dairy cows. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2014, 9, 101-109.	0.5	26
41	Determination of T-2 toxin, HT-2 toxin, and three other type A trichothecenes in layer feed by high-performance liquid chromatography-tandem mass spectrometry (LC-MS/MS) – comparison of two sample preparation methods. Mycotoxin Research, 2016, 32, 89-97.	1.3	26
42	Physiological Concentration of Exogenous Lactate Reduces Antimycin A Triggered Oxidative Stress in Intestinal Epithelial Cell Line IPEC-1 and IPEC-J2 In Vitro. PLoS ONE, 2016, 11, e0153135.	1.1	26
43	Effects of the level of feed intake and ergot contaminated concentrate on ergot alkaloid metabolism and carry over into milk. Molecular Nutrition and Food Research, 2009, 53, 931-938.	1.5	25
44	Effects of Long-term Graded L-arginine Supply on Growth Development, Egg Laying and Egg Quality in Four Genetically Diverse Purebred Layer Lines. Journal of Poultry Science, 2015, 53, 8-21.	0.7	25
45	Effects of 3-nitrooxypropanol and varying concentrate feed proportions in the ration on methane emission, rumen fermentation and performance of periparturient dairy cows. Archives of Animal Nutrition, 2021, 75, 79-104.	0.9	25
46	Effects of different levels of ergot in concentrates on the growing and slaughtering performance of bulls and on carry-over into edible tissue. Archives of Animal Nutrition, 2007, 61, 357-370.	0.9	24
47	On the specific and unspecific effects of a polymeric glucomannan mycotoxin adsorbent on piglets when fed with uncontaminated or with <i>Fusarium</i> toxins contaminated diets. Archives of Animal Nutrition, 2007, 61, 266-275.	0.9	24
48	Effects of elevated parameters of subclinical ketosis on the immune system of dairy cows: in vivo and in vitro results. Archives of Animal Nutrition, 2015, 69, 113-127.	0.9	24
49	Determination of deoxynivalenol-sulfonate (DONS) in cereals by hydrophilic interaction chromatography coupled to tandem mass spectrometry. Mycotoxin Research, 2010, 26, 109-117.	1.3	23
50	Effect of rare earth elements on beef cattle growth performance, blood clinical chemical parameters and mitogen stimulated proliferation of bovine peripheral blood mononuclear cells in vitro and ex vivo. Toxicology Letters, 2011, 201, 277-284.	0.4	23
51	Effect of different storage conditions on the mycotoxin contamination of <i>Fusarium culmorum</i> -infected and non-infected wheat straw. Mycotoxin Research, 2011, 27, 145-153.	1.3	23
52	The effects of iodine level and source on iodine carry-over in eggs and body tissues of laying hens. Archives of Animal Nutrition, 2012, 66, 385-401.	0.9	23
53	Diagnostic opportunities for evaluation of the exposure of dairy cows to the mycotoxins deoxynivalenol (DON) and zearalenone (ZEN): reliability of blood plasma, bile and follicular fluid as indicators. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 847-855.	1.0	23
54	Biomarker Evaluation and Toxic Effects of an Acute Oral and Systemic Fumonisin Exposure of Pigs with a Special Focus on Dietary Fumonisin Esterase Supplementation. Toxins, 2018, 10, 296.	1.5	23

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55	On the effects of the concentrate proportion of dairy cow rations in the presence and absence of a <i>Fusarium</i> toxin-contaminated triticale on cow performance. <i>Archives of Animal Nutrition</i> , 2008, 62, 241-262.	0.9	22
56	Effects of concentrate proportion in the diet with or without <i>Fusarium</i> toxin-contaminated triticale on ruminal fermentation and the structural diversity of rumen microbial communities <i>in vitro</i> . <i>Archives of Animal Nutrition</i> , 2010, 64, 467-483.	0.9	22
57	Duodenal availability of conjugated linoleic acids after supplementation to dairy cow diets. <i>European Journal of Lipid Science and Technology</i> , 2011, 113, 1443-1455.	1.0	22
58	Effects of an energy-dense diet and nicotinic acid supplementation on production and metabolic variables of primiparous or multiparous cows in periparturient period. <i>Archives of Animal Nutrition</i> , 2015, 69, 319-339.	0.9	22
59	Ruminal fermentation patterns and parameters of the acid base metabolism in the urine as influenced by the proportion of concentrate in the ration of dairy cows with and without <i>Fusarium</i> toxin-contaminated triticale. <i>Archives of Animal Nutrition</i> , 2008, 62, 287-302.	0.9	21
60	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
61	A probiotic feed additive containing spores of <i>Bacillus subtilis</i> and <i>B. licheniformis</i> does not prevent absorption and toxic effects of the <i>Fusarium</i> toxin deoxynivalenol in piglets. <i>Food and Chemical Toxicology</i> , 2010, 48, 152-158.	1.8	21
62	Hydrothermal treatment of naturally contaminated maize in the presence of sodium metabisulfite, methylamine and calcium hydroxide; effects on the concentration of zearalenone and deoxynivalenol. <i>Mycotoxin Research</i> , 2013, 29, 169-175.	1.3	21
63	Effect of niacin supplementation on digestibility, nitrogen utilisation and milk and blood variables in lactating dairy cows fed a diet with a negative rumen nitrogen balance. <i>Archives of Animal Nutrition</i> , 2012, 66, 200-214.	0.9	20
64	A chronic oral exposure of pigs with deoxynivalenol partially prevents the acute effects of lipopolysaccharides on hepatic histopathology and blood clinical chemistry. <i>Toxicology Letters</i> , 2012, 215, 193-200.	0.4	20
65	Metabolic and Hematological Consequences of Dietary Deoxynivalenol Interacting with Systemic <i>Escherichia coli</i> Lipopolysaccharide. <i>Toxins</i> , 2015, 7, 4773-4796.	1.5	20
66	Animal models to study the impact of nutrition on the immune system of the transition cow. <i>Research in Veterinary Science</i> , 2018, 116, 15-27.	0.9	20
67	Evolution of rumen and oral microbiota in calves is influenced by age and time of weaning. <i>Animal Microbiome</i> , 2021, 3, 31.	1.5	20
68	Comparative studies on the effect of ergot contaminated feed on performance and health of piglets and chickens. <i>Archives of Animal Nutrition</i> , 2005, 59, 81-98.	0.9	19
69	The influence of ergot-contaminated feed on growth and slaughtering performance, nutrient digestibility and carry over of ergot alkaloids in growing-finishing pigs. <i>Archives of Animal Nutrition</i> , 2005, 59, 377-395.	0.9	19
70	Influence of a <i>Fusarium culmorum</i> inoculation of wheat on the progression of mycotoxin accumulation, ingredient concentrations and ruminal saccodry matter degradation of wheat residues. <i>Archives of Animal Nutrition</i> , 2006, 60, 141-157.	0.9	19
71	Influence of <i>in vitro</i> supplementation with lipids from conventional and Alpine milk on fatty acid distribution and cell growth of HT-29 cells. <i>Lipids in Health and Disease</i> , 2011, 10, 131.	1.2	19
72	Effects of cis-9,trans-11 and trans-10,cis-12 Conjugated Linoleic Acid, Linoleic Acid, Phytanic Acid and the Combination of Various Fatty Acids on Proliferation and Cytokine Expression of Bovine Peripheral Blood Mononuclear Cells. <i>Nutrients</i> , 2013, 5, 2667-2683.	1.7	19

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73	Effects of increasing concentrations of sodium metabisulphite (Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> , SBS) on deoxynivalenol (DON) concentration and microbial spoilage of triticale kernels preserved without and with propionic acid at various moisture contents. <i>Mycotoxin Research</i> , 2009, 25, 215-223.	1.3	18
74	Investigations on the kinetics of the concentration of deoxynivalenol (DON) and on spoilage by moulds and yeasts of wheat grain preserved with sodium metabisulfite (Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> , SBS) and propionic acid at various moisture contents. <i>Archives of Animal Nutrition</i> , 2010, 64, 190-203.	0.9	18
75	Effect of niacin supplementation on rumen fermentation characteristics and nutrient flow at the duodenum in lactating dairy cows fed a diet with a negative rumen nitrogen balance. <i>Archives of Animal Nutrition</i> , 2012, 66, 303-318.	0.9	18
76	Systemic and local effects of the Fusarium toxin deoxynivalenol (DON) are not alleviated by dietary supplementation of humic substances (HS). <i>Food and Chemical Toxicology</i> , 2012, 50, 979-988.	1.8	18
77	Effects of Increasing Concentrations of Sodium Sulfite on Deoxynivalenol and Deoxynivalenol Sulfonate Concentrations of Maize Kernels and Maize Meal Preserved at Various Moisture Content. <i>Toxins</i> , 2015, 7, 791-811.	1.5	18
78	Blood plasma levels of deoxynivalenol and its de-epoxy metabolite in broilers after a single oral dose of the toxin. <i>Mycotoxin Research</i> , 2010, 26, 217-220.	1.3	17
79	Effects of conjugated linoleic acids fed to dairy cows during early gestation on hematological, immunological, and metabolic characteristics of cows and their calves. <i>Journal of Dairy Science</i> , 2012, 95, 3938-3953.	1.4	17
80	Changes of Adipose Tissue Morphology and Composition during Late Pregnancy and Early Lactation in Dairy Cows. <i>PLoS ONE</i> , 2015, 10, e0127208.	1.1	17
81	Chronic DON exposure and acute LPS challenge: effects on porcine liver morphology and function. <i>Mycotoxin Research</i> , 2017, 33, 207-218.	1.3	17
82	The Fusarium toxin deoxynivalenol (DON) modulates the LPS induced acute phase reaction in pigs. <i>Toxicology Letters</i> , 2013, 220, 172-180.	0.4	16
83	Effects of Parturient Dietary Energy Level and Nicotinic Acid Supplementation on Immunological, Hematological and Biochemical Parameters of Periparturient Dairy Cows Differing in Parity. <i>Animals</i> , 2015, 5, 910-933.	1.0	16
84	Studies on the Bioavailability of Deoxynivalenol (DON) and DON Sulfonate (DONS) 1, 2, and 3 in Pigs Fed with Sodium Sulfite-Treated DON-Contaminated Maize. <i>Toxins</i> , 2015, 7, 4622-4644.	1.5	16
85	Does Dietary Deoxynivalenol Modulate the Acute Phase Reaction in Endotoxaemic Pigs?â€”Lessons from Clinical Signs, White Blood Cell Counts, and TNF-Alpha. <i>Toxins</i> , 2016, 8, 3.	1.5	16
86	Effects of glyphosate residues and different concentrate feed proportions on performance, energy metabolism and health characteristics in lactating dairy cows. <i>Archives of Animal Nutrition</i> , 2017, 71, 413-427.	0.9	16
87	Decreased STEC shedding by cattle following passive and active vaccination based on recombinant <i>Escherichia coli</i> Shiga toxoids. <i>Veterinary Research</i> , 2018, 49, 28.	1.1	16
88	Effects of a Dietary L-Carnitine Supplementation on Performance, Energy Metabolism and Recovery from Calving in Dairy Cows. <i>Animals</i> , 2020, 10, 342.	1.0	16
89	On the effects of the Fusarium toxin deoxynivalenol (DON) administered per os or intraperitoneal infusion to sows during days 63 to 70 of gestation. <i>Mycotoxin Research</i> , 2010, 26, 119-131.	1.3	15
90	Fatty acid profile and proliferation of bovine blood mononuclear cells after conjugated linoleic acid supplementation. <i>Lipids in Health and Disease</i> , 2012, 11, 63.	1.2	15

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91	Zearalenone (ZEN) metabolism and residue concentrations in physiological specimens of dairy cows exposed long-term to ZEN-contaminated diets differing in concentrate feed proportions. <i>Archives of Animal Nutrition</i> , 2014, 68, 492-506.	0.9	15
92	Lipopolysaccharides (LPS) modulate the metabolism of deoxynivalenol (DON) in the pig. <i>Mycotoxin Research</i> , 2014, 30, 161-170.	1.3	15
93	Practically relevant concentrations of deoxynivalenol in diets for growing-finishing pigs offered as mash or pellets. <i>Archives of Animal Nutrition</i> , 2007, 61, 247-265.	0.9	14
94	The plasma clearance of the Fusarium toxin deoxynivalenol (DON) is decreased in endotoxemic pigs. <i>Food and Chemical Toxicology</i> , 2012, 50, 4405-4411.	1.8	14
95	Ergot Alkaloids in Feed for Pekin Ducks: Toxic Effects, Metabolism and Carry Over into Edible Tissues. <i>Toxins</i> , 2015, 7, 2006-2023.	1.5	14
96	Validation of the RumiWatch Converter V0.7.4.5 classification accuracy for the automatic monitoring of behavioural characteristics in dairy cows. <i>Archives of Animal Nutrition</i> , 2020, 74, 164-172.	0.9	14
97	Effect of soy oil supplementation and protein level in laying hen diets on praecaecal nutrient digestibility, performance, reproductive performance, fatty acid composition of yolk fat, and on other egg quality parameters. <i>European Journal of Lipid Science and Technology</i> , 2000, 102, 218-232.	1.0	13
98	Investigations on the effect of a niacin supplementation to three diets differing in forage-to-concentrate ratio on several blood and milk variables of dairy cows. <i>Archives of Animal Nutrition</i> , 2009, 63, 203-218.	0.9	13
99	Effects of a Fusarium toxin-contaminated maize treated with sodium metabisulphite, methylamine and calcium hydroxide in diets for female piglets. <i>Archives of Animal Nutrition</i> , 2013, 67, 314-329.	0.9	13
100	Description of a bovine model for studying digestive and metabolic effects of a positive energy balance not biased by lactation or gravidity. <i>Archives of Animal Nutrition</i> , 2014, 68, 460-477.	0.9	13
101	Insulin Signaling in Liver and Adipose Tissues in Periparturient Dairy Cows Supplemented with Dietary Nicotinic Acid. <i>PLoS ONE</i> , 2016, 11, e0147028.	1.1	13
102	Effect of conjugated linoleic acid on proliferation and cytokine expression of bovine peripheral blood mononuclear cells and splenocytes ex vivo. <i>Archives of Animal Nutrition</i> , 2012, 66, 73-85.	0.9	12
103	Effects of particle size and hydro-thermal treatment of feed on performance and stomach health in fattening pigs. <i>Archives of Animal Nutrition</i> , 2015, 69, 455-472.	0.9	12
104	Free-air CO <sub>2</sub> enrichment modifies maize quality only under drought stress. <i>Agronomy for Sustainable Development</i> , 2015, 35, 203-212.	2.2	12
105	Swine inflammation and necrosis syndrome is influenced by husbandry and quality of sow in suckling piglets, weaners and fattening pigs. <i>Porcine Health Management</i> , 2020, 6, 32.	0.9	12
106	Functionality and DNA-damage properties of blood cells in lactating cows exposed to glyphosate contaminated feed at different feed energy levels. <i>Archives of Animal Nutrition</i> , 2020, 74, 87-106.	0.9	12
107	Transmission of Zearalenone, Deoxynivalenol, and Their Derivatives from Sows to Piglets during Lactation. <i>Toxins</i> , 2021, 13, 37.	1.5	12
108	Effects of glyphosate residues and different concentrate feed proportions in dairy cow rations on hepatic gene expression, liver histology and biochemical blood parameters. <i>PLoS ONE</i> , 2021, 16, e0246679.	1.1	12

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109	No hints at glyphosate-induced ruminal dysbiosis in cows. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 30.	2.9	12
110	Effect of graded levels of rare earth elements in diets of fattening bulls on growing and slaughtering performance, and on nutrient digestibility of wethers. <i>Archives of Animal Nutrition</i> , 2011, 65, 55-73.	0.9	11
111	Effects of ergot alkaloids in feed on performance and liver function of piglets as evaluated by the <sup>13</sup> C-methacetin breath test. <i>Archives of Animal Nutrition</i> , 2013, 67, 15-36.	0.9	11
112	Effects of long-term dietary supplementation with conjugated linoleic acid on bovine oocyte lipid profile. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1326.	0.1	11
113	Ergot Alkaloids in Fattening Chickens (Broilers): Toxic Effects and Carry over Depending on Dietary Fat Proportion and Supplementation with Non-Starch-Polysaccharide (NSP) Hydrolyzing Enzymes. <i>Toxins</i> , 2017, 9, 118.	1.5	11
114	Detoxification of Fusarium-contaminated maize with sodium sulphite – in vivo efficacy with special emphasis on mycotoxin residues and piglet health. <i>Archives of Animal Nutrition</i> , 2018, 72, 58-75.	0.9	11
115	Effects of a Change from an Indoor-Based Total Mixed Ration to a Rotational Pasture System Combined With a Moderate Concentrate Feed Supply on Rumen Fermentation of Dairy Cows. <i>Animals</i> , 2018, 8, 205.	1.0	11
116	Oral and Intravenous Fumonisin Exposure in Pigs – A Single-Dose Treatment Experiment Evaluating Toxicokinetics and Detoxification. <i>Toxins</i> , 2018, 10, 150.	1.5	11
117	Gain and loss of subcutaneous and abdominal fat depot mass from late pregnancy to 100 days in milk in German Holsteins. <i>Journal of Dairy Research</i> , 2019, 86, 296-302.	0.7	11
118	Development of a multi-toxin method for investigating the carryover of zearalenone, deoxynivalenol and their metabolites into milk of dairy cows. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 371-80.	1.1	11
119	Associations between Forkhead Box O1 (FoxO1) Expression and Indicators of Hepatic Glucose Production in Transition Dairy Cows Supplemented with Dietary Nicotinic Acid. <i>PLoS ONE</i> , 2016, 11, e0146670.	1.1	11
120	Effects of deoxynivalenol and lipopolysaccharide on electrophysiological parameters in growing pigs. <i>Mycotoxin Research</i> , 2012, 28, 243-252.	1.3	10
121	A commonly used rumen-protected conjugated linoleic acid supplement marginally affects fatty acid distribution of body tissues and gene expression of mammary gland in heifers during early lactation. <i>Lipids in Health and Disease</i> , 2013, 12, 96.	1.2	10
122	Effects of conjugated linoleic acids and dietary concentrate proportion on performance, milk composition, milk yield and metabolic parameters of periparturient dairy cows. <i>Archives of Animal Nutrition</i> , 2013, 67, 185-201.	0.9	10
123	Effects of Ergot Alkaloids on Liver Function of Piglets as Evaluated by the <sup>13</sup> C-Methacetin and <sup>13</sup> C- $\beta$ -Ketoisocaproic Acid Breath Test. <i>Toxins</i> , 2013, 5, 139-161.	1.5	10
124	Toxic effects, metabolism, and carry-over of ergot alkaloids in laying hens, with a special focus on changes of the alkaloid isomeric ratio in feed caused by hydrothermal treatment. <i>Mycotoxin Research</i> , 2016, 32, 37-52.	1.3	10
125	Effects of Body Condition and Concentrate Proportion of the Ration on Mobilization of Fat Depots and Energetic Condition in Dairy Cows during Early Lactation Based on Ultrasonic Measurements. <i>Animals</i> , 2019, 9, 131.	1.0	10
126	Weaning Holstein Calves at 17 Weeks of Age Enables Smooth Transition from Liquid to Solid Feed. <i>Animals</i> , 2019, 9, 1132.	1.0	10



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127	Dietary L-carnitine Supplementation Modifies the Lipopolysaccharide-Induced Acute Phase Reaction in Dairy Cows. <i>Animals</i> , 2021, 11, 136.	1.0	10
128	Effects of feeding a <i>Fusarium</i> toxin-contaminated diet to infectious bursal disease virus-infected broilers on the protein turnover of the bursa of Fabricius and spleen. <i>Archives of Animal Nutrition</i> , 2011, 65, 1-20.	0.9	9
129	UV-induced cis-trans isomerization of zearalenone in contaminated maize. <i>Mycotoxin Research</i> , 2013, 29, 221-227.	1.3	9
130	Residues of deoxynivalenol (DON) and its metabolite de-epoxy-DON in eggs, plasma and bile of laying hens of different genetic backgrounds. <i>Archives of Animal Nutrition</i> , 2014, 68, 412-422.	0.9	9
131	Haematological, clinical, chemical and immunological consequences of feeding <i>Fusarium</i> toxin contaminated diets to early lactating dairy cows. <i>Mycotoxin Research</i> , 2017, 33, 1-13.	1.3	9
132	Deoxynivalenol (DON) Contamination of Feed and Grinding Fineness: Are There Interactive Implications on Stomach Integrity and Health of Piglets?. <i>Toxins</i> , 2017, 9, 16.	1.5	9
133	Deoxynivalenol Affects Cell Metabolism and Increases Protein Biosynthesis in Intestinal Porcine Epithelial Cells (IPEC-J2): DON Increases Protein Biosynthesis. <i>Toxins</i> , 2018, 10, 464.	1.5	9
134	Changes of ruminal pH, rumination activity and feeding behaviour during early lactation as affected by different energy and fibre concentrations of roughage in pluriparous dairy cows. <i>Archives of Animal Nutrition</i> , 2018, 72, 458-477.	0.9	9
135	Chronic Effects of <i>Fusarium</i> Mycotoxins in Rations with or without Increased Concentrate Proportion on the Insulin Sensitivity in Lactating Dairy Cows. <i>Toxins</i> , 2018, 10, 188.	1.5	9
136	Effects of Feed Particle Size and Hydro-Thermal Processing Methods on Starch Modification, Nutrient Digestibility and the Performance and the Gastrointestinal Tract of Broilers. <i>Animals</i> , 2019, 9, 294.	1.0	9
137	Transfer of conjugated linoleic acids into different tissues of dairy cows. <i>Archives of Animal Nutrition</i> , 2013, 67, 119-133.	0.9	8
138	Effects of deoxynivalenol in naturally contaminated wheat on feed intake and health status of horses. <i>Mycotoxin Research</i> , 2015, 31, 209-216.	1.3	8
139	Effects of deoxynivalenol (DON), zearalenone (ZEN), and related metabolites on equine peripheral blood mononuclear cells (PBMC) in vitro and background occurrence of these toxins in horses. <i>Mycotoxin Research</i> , 2016, 32, 153-161.	1.3	8
140	Haematological and immunological adaptations of non-pregnant, non-lactating dairy cows to a high-energetic diet containing mycotoxins. <i>Archives of Animal Nutrition</i> , 2016, 70, 1-16.	0.9	8
141	Effects of oral exposure to sodium sulphite-treated deoxynivalenol (DON)-contaminated maize on performance and plasma concentrations of toxins and metabolites in piglets. <i>Archives of Animal Nutrition</i> , 2018, 72, 42-57.	0.9	8
142	Effects of deoxynivalenol-feed contamination on circulating LPS in pigs. <i>Innate Immunity</i> , 2019, 25, 168-175.	1.1	8
143	Preliminary study on the relationship between aflatoxin-bovine serum albumin adducts in blood and aflatoxin M1 levels in milk of dairy cows. <i>Mycotoxin Research</i> , 2020, 36, 207-211.	1.3	8
144	Maize and Grass Silage Feeding to Dairy Cows Combined with Different Concentrate Feed Proportions with a Special Focus on Mycotoxins, Shiga Toxin (stx)-Forming <i>Escherichia coli</i> and <i>Clostridium botulinum</i> Neurotoxin (BoNT) Genes: Implications for Animal Health and Food Safety. <i>Dairy</i> , 2020, 1, 91-125.	0.7	8

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145	Intestinal transport of deoxynivalenol across porcine small intestines. Archives of Animal Nutrition, 2013, 67, 134-146.	0.9	7
146	Effects of feeding deoxynivalenol (DON)-contaminated wheat to laying hens and roosters of different genetic background on the reproductive performance and health of the newly hatched chicks. Mycotoxin Research, 2014, 30, 131-140.	1.3	7
147	The effects of energy concentration in roughage and allowance of concentrates on performance, health and energy efficiency of pluriparous dairy cows during early lactation. Archives of Animal Nutrition, 2018, 72, 100-120.	0.9	7
148	Antibody response of growing German Holstein bulls to a vaccination against bovine viral diarrhoea virus (BVDV) is influenced by Fusarium toxin exposure in a non-linear fashion. Mycotoxin Research, 2018, 34, 123-139.	1.3	7
149	Effects of a Change from an Indoor-Based Total Mixed Ration to a Rotational Pasture System Combined with a Moderate Concentrate Feed Supply on the Health and Performance of Dairy Cows. Animals, 2018, 8, 169.	1.0	7
150	Sphingolipid Profiling Reveals Different Extent of Ceramide Accumulation in Bovine Retroperitoneal and Subcutaneous Adipose Tissues. Metabolites, 2020, 10, 473.	1.3	7
151	Dairy Cow Health and Greenhouse Gas Emission Intensity. Dairy, 2020, 1, 3.	0.7	7
152	Occurrence of type A, B and D trichothecenes, zearalenone and stachybotrylactam in straw. Archives of Animal Nutrition, 2021, 75, 105-120.	0.9	7
153	Plasma kinetics and matrix residues of deoxynivalenol (DON) and zearalenone (ZEN) are altered in endotoxaemic pigs independent of LPS entry site. Mycotoxin Research, 2017, 33, 183-195.	1.3	7
154	Influence of various amounts of fumaric acid on performance and parameters of the acid-base balance of growing bulls fed with grass or maize silage. Archives of Animal Nutrition, 2011, 65, 386-401.	0.9	6
155	Effects of ergot alkaloids on liver function of piglets can be detected by the [ <sup>13</sup> C]methacetin breath test irrespective of oral or intramuscular route of tracer administration. Isotopes in Environmental and Health Studies, 2012, 48, 558-572.	0.5	6
156	Humic substances failed to prevent the systemic absorption of deoxynivalenol (DON) and its adverse effects on piglets. Mycotoxin Research, 2012, 28, 253-260.	1.3	6
157	Effects of dietary conjugated linoleic acid on the growth performance of chickens and ducks for fattening and fatty acid composition of breast meat. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2012, 7, 3-9.	0.5	6
158	Effects of diets differing in protein source and technical treatment on digestibility, performance and visceral and biochemical parameters of fattening pigs. Archives of Animal Nutrition, 2016, 70, 190-208.	0.9	6
159	Exposure of pregnant sows to deoxynivalenol during 35-70 days of gestation does not affect pathomorphological and immunohistochemical properties of fetal organs. Mycotoxin Research, 2018, 34, 99-106.	1.3	6
160	Dose-Response Effects of 3-Nitrooxypropanol Combined with Low- and High-Concentrate Feed Proportions in the Dairy Cow Ration on Fermentation Parameters in a Rumen Simulation Technique. Animals, 2021, 11, 1784.	1.0	6
161	Association between alterations in plasma metabolome profiles and laminitis in intensively finished Holstein bulls in a randomized controlled study. Scientific Reports, 2021, 11, 12735.	1.6	6
162	Microbiome Clusters Disclose Physiologic Variances in Dairy Cows Challenged by Calving and Lipopolysaccharides. MSystems, 2021, 6, e0085621.	1.7	6

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163	Fusarium toxin-contaminated maize in diets of growing bulls: effects on performance, slaughtering characteristics, and transfer into physiological liquids. <i>Mycotoxin Research</i> , 2016, 32, 127-135.	1.3	5
164	Effects of dietary CLA supplementation, parity and different concentrate levels before calving on immunoglobulin G1, G2 and M concentrations in dairy cows. <i>Research in Veterinary Science</i> , 2017, 114, 287-293.	0.9	5
165	Kinetic studies on clinical and immunological modulations by intramuscular injection of <i>Escherichia coli</i> LPS in laying hens. <i>Innate Immunity</i> , 2019, 25, 186-202.	1.1	5
166	Acute phase proteins and markers of oxidative status in water buffalos during the transition from late pregnancy to early lactation. <i>Veterinary Immunology and Immunopathology</i> , 2020, 228, 110113.	0.5	5
167	Oral exposure of pigs to the mycotoxin deoxynivalenol does not modulate the hepatic albumin synthesis during a LPS-induced acute-phase reaction. <i>Innate Immunity</i> , 2020, 26, 716-732.	1.1	5
168	German monitoring 2012–2014: ergot of <i>Claviceps purpurea</i> and ergot alkaloids (EA) in feedingstuffs and their toxicological relevance for animal feeding. <i>Journal Fur Verbraucherschutz Und Lebensmittelsicherheit</i> , 2020, 15, 321-329.	0.5	5
169	Systemic <i>E. coli</i> lipopolysaccharide but not deoxynivalenol results in transient leukopenia and diminished metabolic activity of peripheral blood mononuclear cells ex vivo. <i>Mycotoxin Research</i> , 2015, 31, 41-50.	1.3	4
170	Suitability of n-alkanes and chromium (III) oxide as digestibility markers in calves at the end of the milk feeding period supplemented with a prebiotic. <i>Animal Nutrition</i> , 2018, 4, 84-89.	2.1	4
171	Effects of a Fusarium Toxin-Contaminated Maize Treated with Sodium Sulfite on Male Piglets in the Presence of an LPS-Induced Acute Inflammation. <i>Toxins</i> , 2018, 10, 419.	1.5	4
172	Influence of vitamin E on organic matter fermentation, ruminal protein and fatty acid metabolism, protozoa concentrations and transfer of fatty acids. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1111-1119.	1.0	4
173	Investigations of relationships between alterations of the gastrointestinal tract caused by feeding variously processed feedstuffs and blood and immunological traits of broilers. <i>Poultry Science</i> , 2019, 98, 306-318.	1.5	4
174	Increased plasma and milk short-chain acylcarnitine concentrations reflect systemic LPS response in mid-lactation dairy cows. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 321, R429-R440.	0.9	4
175	Effects of Inhibiting Dipeptidyl Peptidase-4 (DPP4) in Cows with Subclinical Ketosis. <i>PLoS ONE</i> , 2015, 10, e0136078.	1.1	4
176	Effects of Dietary L-Carnitine Supplementation on Platelets and Erythrogram of Dairy Cows with Special Emphasis on Parturition. <i>Dairy</i> , 2021, 2, 1-13.	0.7	4
177	Dietary L-Carnitine Affects Leukocyte Count and Function in Dairy Cows Around Parturition. <i>Frontiers in Immunology</i> , 2022, 13, 784046.	2.2	4
178	Determination of very low stable isotope enrichments of [2H5]-phenylalanine in chicken liver using liquid chromatography–tandem mass spectrometry (LC–MS/MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 911, 147-153.	1.2	3
179	Effects of the thermal environment on metabolism of deoxynivalenol and thermoregulatory response of sheep fed on corn silage grown at enriched atmospheric carbon dioxide and drought. <i>Mycotoxin Research</i> , 2012, 28, 219-227.	1.3	3
180	Effects of feeding diets containing increasing proportions of bunt-infected wheat ( <i>Tilletia caries</i> ) on performance and health of pigs. <i>Archives of Animal Nutrition</i> , 2014, 68, 55-62.	0.9	3

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181	Fine grinding or expanding of feed as pre-treatment for pelleting in dependence on dietary rapeseed expeller proportion: Nutritional consequences for broilers. <i>Archives of Animal Nutrition</i> , 2019, 73, 239-254.	0.9	3
182	Effects of Energy Supply from Roughage and Concentrates and the Occurrence of Subclinical Ketosis on Blood Chemistry and Liver Health in Lactating Dairy Cows during Early Lactation. <i>Dairy</i> , 2021, 2, 25-39.	0.7	3
183	The mycotoxin deoxynivalenol (DON) can deteriorate vaccination efficacy against porcine reproductive and respiratory syndrome virus (PRRSV) at subtoxic levels. <i>Porcine Health Management</i> , 2022, 8, 13.	0.9	3
184	Sertoli cell tumour in a neonate calf: an unusual congenital tumour. <i>Tierärztliche Praxis Ausgabe G: Grosstiere - Nutztiere</i> , 2016, 44, 371-378.	0.2	2
185	Effects of Graded Dietary L-arginine Supply on Organ Growth in Four Genetically Diverse Layer Lines during Rearing Period. <i>Journal of Poultry Science</i> , 2016, 53, 136-148.	0.7	2
186	Effect of vitamin E supplementation in milk replacer and Shiga toxoid vaccination on serum $\alpha$ -tocopherol, performance, haematology and blood chemistry in male Holstein calves. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1167-1180.	1.0	2
187	Effects of a Change from an Indoor-Based Total Mixed Ration to a Rotational Pasture System Combined with a Moderate Concentrate Feed Supply on Immunological Cell and Blood Parameters of Dairy Cows. <i>Veterinary Sciences</i> , 2019, 6, 47.	0.6	2
188	The Ability of an Algoclay-Based Mycotoxin Decontaminant to Decrease the Serum Levels of Zearalenone and Its Metabolites in Lactating Sows. <i>Frontiers in Veterinary Science</i> , 2021, 8, 704796.	0.9	2
189	Relative Bioavailability of Niacin Supplements for Dairy Cows: Effects of Rumen Protection and of Feed Processing. <i>Veterinary Sciences</i> , 2015, 2, 440-455.	0.6	1
190	On the distribution and metabolism of Fusarium-toxins along the gastrointestinal tract of endotoxaemic pigs. <i>Archives of Animal Nutrition</i> , 2018, 72, 163-177.	0.9	1
191	Analytical method for the determination of polyethyleneglycole 400 as marker in porcine plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1113, 45-49.	1.2	1
192	Sodium sulfite (SoS) as decontamination strategy for Fusarium-toxin contaminated maize and its impact on immunological traits in pigs challenged with lipopolysaccharide (LPS). <i>Mycotoxin Research</i> , 2020, 36, 429-442.	1.3	1
193	Evaluation of Inner Exposure of Horses to Zearalenone (ZEN), Deoxynivalenol (DON) and Their Metabolites in Relation to Colic and Health-Related Clinical-Chemical Traits. <i>Toxins</i> , 2021, 13, 588.	1.5	1
194	Effects of Different Concentrate Feed Proportions on Ruminal Ph Parameters, Duodenal Nutrient Flows and Efficiency of Microbial Crude Protein Synthesis in Dairy Cows During Early Lactation. <i>Animals</i> , 2020, 10, 267.	1.0	1
195	Weaning age influences indicators of rumen function and development in female Holstein calves. <i>BMC Veterinary Research</i> , 2022, 18, 102.	0.7	1
196	Fine Grinding or Expanding as Pre-treatment for Pelleting in Processing Diets Varying in Dietary Rapeseed Expeller Proportions: Investigations on Performance, Visceral Organs, and Immunological Traits of Broilers. <i>Frontiers in Veterinary Science</i> , 2020, 7, 550092.	0.9	0
197	Effects of Pre-Calving Body Condition and Different post partum Concentrate Feed Proportions on Immune-Associated and Hematological Parameters in Pluriparous Dairy Cows. <i>Animals</i> , 2020, 10, 2251.	1.0	0
198	Evaluation of an equation for predicting metabolisable energy concentration in compound feeds for pigs. <i>Archives of Animal Nutrition</i> , 2021, 75, 251-262.	0.9	0

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199	Does chronic dietary exposure to the mycotoxin deoxynivalenol affect the porcine hepatic transcriptome when an acute-phase response is initiated through first or second-pass LPS challenge of the liver?. <i>Innate Immunity</i> , 2021, 27, 388-408.	1.1	0
200	Assessment of Metabolic Adaptations in Periparturient Dairy Cows Provided 3-Nitrooxypropanol and Varying Concentrate Proportions by Using the GreenFeed System for Indirect Calorimetry, Biochemical Blood Parameters and Ultrasonography of Adipose Tissues. <i>Dairy</i> , 2022, 3, 100-122.	0.7	0