

Jürgen Zentek

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

1,386
citations

361045

20
h-index

414034

32
g-index

91
all docs

91
docs citations

91
times ranked

2047
citing authors

#	ARTICLE	IF	CITATIONS
1	Types and prevalence of extended-spectrum beta-lactamase producing <i>Enterobacteriaceae</i> in poultry. <i>Animal Health Research Reviews</i> , 2017, 18, 46-57.	1.4	104
2	Down-regulation of monocarboxylate transporter 1 (<i>MCT1</i>) gene expression in the colon of piglets is linked to bacterial protein fermentation and pro-inflammatory cytokine-mediated signalling. <i>British Journal of Nutrition</i> , 2015, 113, 610-617.	1.2	85
3	High dietary zinc supplementation increases the occurrence of tetracycline and sulfonamide resistance genes in the intestine of weaned pigs. <i>Gut Pathogens</i> , 2015, 7, 23.	1.6	73
4	Intestinal concentrations of free and encapsulated dietary medium-chain fatty acids and effects on gastric microbial ecology and bacterial metabolic products in the digestive tract of piglets. <i>Archives of Animal Nutrition</i> , 2012, 66, 14-26.	0.9	68
5	Dietary inulin affects the intestinal microbiota in sows and their suckling piglets. <i>BMC Veterinary Research</i> , 2015, 11, 51.	0.7	60
6	Effect of Dietary Zinc Oxide on Morphological Characteristics, Mucin Composition and Gene Expression in the Colon of Weaned Piglets. <i>PLoS ONE</i> , 2014, 9, e91091.	1.1	56
7	Development and Functional Properties of Intestinal Mucus Layer in Poultry. <i>Frontiers in Immunology</i> , 2021, 12, 745849.	2.2	53
8	Synergistic Effects of Probiotics and Phytobiotics on the Intestinal Microbiota in Young Broiler Chicken. <i>Microorganisms</i> , 2019, 7, 684.	1.6	48
9	Possible Molecular Mechanisms by Which an Essential Oil Blend from Star Anise, Rosemary, Thyme, and Oregano and Saponins Increase the Performance and Ileal Protein Digestibility of Growing Broilers. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6821-6830.	2.4	43
10	Concentration and chemical form of dietary zinc shape the porcine colon microbiome, its functional capacity and antibiotic resistance gene repertoire. <i>ISME Journal</i> , 2020, 14, 2783-2793.	4.4	37
11	The impacts of <i>Macleaya cordata</i> extract and naringin inclusion in post-weaning piglet diets on performance, nutrient digestibility and intestinal histomorphology. <i>Archives of Animal Nutrition</i> , 2018, 72, 178-189.	0.9	32
12	Comparative studies of urolithins and their phase II metabolites on macrophage and neutrophil functions. <i>European Journal of Nutrition</i> , 2021, 60, 1957-1972.	1.8	30
13	Impact of a probiotic <i>Bacillus cereus</i> strain on the jejunal epithelial barrier and on the NKG2D expressing immune cells during the weaning phase of piglets. <i>Veterinary Immunology and Immunopathology</i> , 2014, 161, 57-65.	0.5	27
14	Age-associated and breed-associated variations in haematological and biochemical variables in young labrador retriever and miniature schnauzer dogs. <i>Veterinary Record Open</i> , 2016, 3, e000166.	0.3	26
15	Probiotic Treatment Decreases the Number of CD14-Expressing Cells in Porcine Milk Which Correlates with Several Intestinal Immune Parameters in the Piglets. <i>Frontiers in Immunology</i> , 2015, 6, 108.	2.2	25
16	Effect of essential oils or saponins alone or in combination on productive performance, intestinal morphology and digestive enzymes' activity of broiler chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 99-107.	1.0	25
17	Fenugreek seed affects intestinal microbiota and immunological variables in piglets after weaning. <i>British Journal of Nutrition</i> , 2013, 109, 859-866.	1.2	24
18	The effects of particle size, milling method, and thermal treatment of feed on performance, apparent ileal digestibility, and pH of the digesta in laying hens. <i>Poultry Science</i> , 2015, 94, 692-699.	1.5	24

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19	Optimization of Production Parameters for Probiotic Lactobacillus Strains as Feed Additive. <i>Molecules</i> , 2019, 24, 3286.	1.7	23
20	Developing Gut Microbiota Exerts Colonisation Resistance to Clostridium (syn. Clostridioides) difficile in Piglets. <i>Microorganisms</i> , 2019, 7, 218.	1.6	22
21	Pathogen-Reactive T Helper Cell Analysis in the Pig. <i>Frontiers in Immunology</i> , 2017, 8, 565.	2.2	21
22	The Influence of DNA Extraction Procedure and Primer Set on the Bacterial Community Analysis by Pyrosequencing of Barcoded 16S rRNA Gene Amplicons. <i>Molecular Biology International</i> , 2014, 2014, 1-10.	1.7	18
23	Determination of the extent of Clostridium difficile colonisation and toxin accumulation in sows and neonatal piglets. <i>Anaerobe</i> , 2016, 40, 5-9.	1.0	17
24	Effects of Ex Vivo Infection with ETEC on Jejunal Barrier Properties and Cytokine Expression in Probiotic-Supplemented Pigs. <i>Digestive Diseases and Sciences</i> , 2017, 62, 922-933.	1.1	17
25	Lythrum salicaria L. herb and gut microbiota of healthy post-weaning piglets. Focus on prebiotic properties and formation of postbiotic metabolites in ex vivo cultures.. <i>Journal of Ethnopharmacology</i> , 2020, 261, 113073.	2.0	17
26	Impact of an energy- and nutrient-reduced diet containing 10% lignocellulose on animal performance, body composition and egg quality of dual purpose laying hens. <i>Archives of Animal Nutrition</i> , 2019, 73, 1-17.	0.9	16
27	Urinary Calcium and Oxalate Excretion in Healthy Adult Cats Are Not Affected by Increasing Dietary Levels of Bone Meal in a Canned Diet. <i>PLoS ONE</i> , 2013, 8, e70530.	1.1	16
28	Concentrations of strontium, barium, cadmium, copper, zinc, manganese, chromium, antimony, selenium and lead in the equine liver and kidneys. <i>SpringerPlus</i> , 2014, 3, 343.	1.2	14
29	Impact of early-life events on the susceptibility to Clostridium difficile colonisation and infection in the offspring of the pig. <i>Gut Microbes</i> , 2019, 10, 251-259.	4.3	14
30	Impact of Dietary Cellobiose on the Fecal Microbiota of Horses. <i>Journal of Equine Veterinary Science</i> , 2020, 91, 103106.	0.4	14
31	Relevance of dietary protein concentration and quality as risk factors for the formation of calcium oxalate stones in cats. <i>Journal of Nutritional Science</i> , 2014, 3, e51.	0.7	13
32	Lutein Specific Relationships among Some Spectrophotometric and Colorimetric Parameters of Chicken Egg Yolk. <i>Journal of Poultry Science</i> , 2017, 54, 271-277.	0.7	13
33	Effects of Brewerâ€™s spent grain and carrot pomace on digestibility, fecal microbiota, and fecal and urinary metabolites in dogs fed low- or high-protein diets1. <i>Journal of Animal Science</i> , 2019, 97, 4124-4133.	0.2	13
34	Screening of Host Specific Lactic Acid Bacteria Active Against Escherichia coli From Massive Sample Pools With a Combination of in vitro and ex vivo Methods. <i>Frontiers in Microbiology</i> , 2019, 10, 2705.	1.5	13
35	Lignocellulose as an insoluble fiber source in poultry nutrition: a review. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 82.	2.1	13
36	The Zinc Concentration in the Diet and the Length of the Feeding Period Affect the Methylation Status of the ZIP4 Zinc Transporter Gene in Piglets. <i>PLoS ONE</i> , 2015, 10, e0143098.	1.1	12

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37	Effects of free amino acids on cytokine secretion and proliferative activity of feline T cells in an in vitro study using the cell line MYA-1. <i>Cytotechnology</i> , 2016, 68, 1949-1961.	0.7	12
38	Effects of potassium chloride and potassium bicarbonate in the diet on urinary pH and mineral excretion of adult cats. <i>British Journal of Nutrition</i> , 2014, 111, 785-797.	1.2	11
39	Effects of dietary cellobiose on the intestinal microbiota and excretion of nitrogen metabolites in healthy adult dogs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 569-578.	1.0	11
40	Characterization of the fecal microbiota of sows and their offspring from German commercial pig farms. <i>PLoS ONE</i> , 2021, 16, e0256112.	1.1	10
41	Nutrition Related Stress Factors Reduce the Transfer of Extended-Spectrum Beta-Lactamase Resistance Genes between an <i>Escherichia coli</i> Donor and a <i>Salmonella Typhimurium</i> Recipient In Vitro. <i>Biomolecules</i> , 2019, 9, 324.	1.8	9
42	Effects of cereal and protein source on performance, apparent ileal protein digestibility and intestinal characteristics in weaner piglets. <i>Archives of Animal Nutrition</i> , 2021, 75, 263-277.	0.9	9
43	Impact of Increasing Dietary Calcium Levels on Calcium Excretion and Vitamin D Metabolites in the Blood of Healthy Adult Cats. <i>PLoS ONE</i> , 2016, 11, e0149190.	1.1	8
44	Physical Pre-Treatment Improves Efficient DNA Extraction and qPCR Sensitivity from <i>Clostridium Difficile</i> Spores in Faecal Swine Specimens. <i>Current Microbiology</i> , 2016, 73, 727-731.	1.0	8
45	High dosage of zinc modulates T-cells in a time-dependent manner within porcine gut-associated lymphatic tissue. <i>British Journal of Nutrition</i> , 2018, 120, 1349-1358.	1.2	8
46	Resistance and tolerance to mixed nematode infections in chicken genotypes with extremely different growth rates. <i>International Journal for Parasitology</i> , 2019, 49, 579-591.	1.3	8
47	The Impact of Direct-Fed Microbials and Phytogenic Feed Additives on Prevalence and Transfer of Extended-Spectrum Beta-Lactamase Genes in Broiler Chicken. <i>Microorganisms</i> , 2020, 8, 322.	1.6	8
48	Impact of Dietary Protein Concentration and Quality on Immune Function of Cats. <i>PLoS ONE</i> , 2017, 12, e0169822.	1.1	8
49	Porcine Colostrum Protects the IPEC-J2 Cells and Piglet Colon Epithelium against <i>Clostridioides (syn.) Tj ETQq1 1</i> 0.784314 rgBT /Ove	1.6	8
50	Effects of Dietary Cereal and Protein Source on Fiber Digestibility, Composition, and Metabolic Activity of the Intestinal Microbiota in Weaner Piglets. <i>Animals</i> , 2022, 12, 109.	1.0	8
51	Enzymes and/or combination of organic acid and essential oils supplementation in pasture-fed free-range laying hens increased the digestibility of nutrients and non-starch polysaccharides. <i>Poultry Science</i> , 2019, 98, 1410-1424.	1.5	7
52	<i>In vitro</i> evaluation of the effects of <i>Yucca schidigera</i> and inulin on the fermentation potential of the faecal microbiota of dogs fed diets with low or high protein concentrations. <i>Archives of Animal Nutrition</i> , 2019, 73, 399-413.	0.9	6
53	Distinct patterns of microbial metabolic fingerprints in sows and their offspring: a pilot study. <i>Archives of Microbiology</i> , 2020, 202, 511-517.	1.0	6
54	Impact of the dietary inclusion of dried food residues on the apparent nutrient digestibility and the intestinal microbiota of dogs. <i>Archives of Animal Nutrition</i> , 2021, 75, 311-327.	0.9	6

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55	Influence of Nutrition and Maternal Bonding on Postnatal Lung Development in the Newborn Pig. <i>Frontiers in Immunology</i> , 2021, 12, 734153.	2.2	6
56	A Helminth-Derived Chitinase Structurally Similar to Mammalian Chitinase Displays Immunomodulatory Properties in Inflammatory Lung Disease. <i>Journal of Immunology Research</i> , 2021, 2021, 1-24.	0.9	6
57	Glutamine supplementation moderately affects growth, plasma metabolite and free amino acid patterns in neonatal low birth weight piglets. <i>British Journal of Nutrition</i> , 2022, 128, 2330-2340.	1.2	6
58	Fiber Composition in Sowsâ€™ Diets Modifies <i>Clostridioides difficile</i> Colonization in Their Offspring. <i>Current Microbiology</i> , 2022, 79, 154.	1.0	6
59	Effects of oral glutamine supplementation on jejunal morphology, development, and amino acid profiles in male low birth weight suckling piglets. <i>PLoS ONE</i> , 2022, 17, e0267357.	1.1	6
60	Influence of protein concentration and quality in a canned diet on urine composition, apparent nutrient digestibility and energy supply in adult cats. <i>BMC Veterinary Research</i> , 2018, 14, 225.	0.7	5
61	Effects of dietary L-arginine supplementation to early pregnant mares on conceptus diameterâ€”Preliminary findings. <i>Reproduction in Domestic Animals</i> , 2019, 54, 772-778.	0.6	5
62	Use of low dosage amino acid blends to prevent stress-related piglet diarrhea. <i>Translational Animal Science</i> , 2021, 5, txab209.	0.4	5
63	The Impact of Pre- and Probiotic Product Combinations on Ex vivo Growth of Avian Pathogenic <i>Escherichia coli</i> and <i>Salmonella Enteritidis</i> . <i>Microorganisms</i> , 2022, 10, 121.	1.6	5
64	Porcine and Chicken Intestinal Epithelial Cell Models for Screening Phytogetic Feed Additivesâ€”Chances and Limitations in Use as Alternatives to Feeding Trials. <i>Microorganisms</i> , 2022, 10, 629.	1.6	5
65	The expression of NKG2D on porcine IEL and its possible relation to the adaptive intestinal immune system. <i>Veterinary Immunology and Immunopathology</i> , 2017, 187, 89-95.	0.5	4
66	Gut microbiota metabolism and the permeability of natural products contained in infusions from herb of European goldenrod <i>Solidago virgaurea</i> L.. <i>Journal of Ethnopharmacology</i> , 2021, 273, 113924.	2.0	4
67	In vitro models of the canine digestive tract as an alternative to in vivo assays: Advances and current challenges. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2022, , .	0.9	4
68	The Food for Feed Concept: Redefining the Use of Hotel Food Residues in Broiler Diets. <i>Sustainability</i> , 2022, 14, 3659.	1.6	4
69	A High-Energy Diet and Spirulina Supplementation during Pre-Gestation, Gestation, and Lactation do Not Affect the Reproductive and Lactational Performance of Primiparous Sows. <i>Animals</i> , 2022, 12, 1171.	1.0	4
70	Meat Quality Traits as Affected by the Dietary Inclusion of Food Waste in Finishing Pigs. <i>Sustainability</i> , 2022, 14, 6593.	1.6	4
71	Energy intake, growth rate and body composition of young Labrador Retrievers and Miniature Schnauzers fed different dietary levels of vitamin A. <i>British Journal of Nutrition</i> , 2014, 111, 2104-2111.	1.2	3
72	Porcine and bovine <i>Clostridium difficile</i> ribotype 078 isolates demonstrate similar growth and toxigenic properties. <i>International Microbiology</i> , 2018, 21, 215-221.	1.1	3

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73	Effects of Dietary Arginine, Ornithine, and Zeolite Supplementation on Uremic Toxins in Cats. <i>Toxins</i> , 2018, 10, 206.	1.5	3
74	Effects of arginine and ornithine supplementation to a high-protein diet on selected cellular immune variables in adult cats. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 852-856.	0.6	3
75	Expression of proposed methionine transporters along the gastrointestinal tract of pigs and their regulation by dietary methionine sources. <i>Genes and Nutrition</i> , 2021, 16, 14.	1.2	3
76	Impact of dietary zinc chloride hydroxide and zinc methionine on the faecal microbiota of healthy adult horses and ponies. <i>Journal of Equine Veterinary Science</i> , 2021, 110, 103804.	0.4	3
77	Storage procedures and time influence the detectability of <i>Clostridium difficile</i> toxin A but not toxin B in porcine fecal specimens. <i>Journal of Veterinary Diagnostic Investigation</i> , 2020, 32, 222-225.	0.5	2
78	In vitro conjugation kinetics of AmpC, broad spectrum and extended-spectrum beta-lactamase-producing <i>Escherichia coli</i> donors and various Enterobacteriaceae recipients. <i>BMC Microbiology</i> , 2020, 20, 133.	1.3	2
79	Investigations on the Use of Dried Food Residues as a Potential Dietary Ingredient for Cats. <i>Sustainability</i> , 2021, 13, 11603.	1.6	2
80	Effects of the Protein Concentration and Quality in a Canned Diet on the Fecal Microbiota of Healthy Adult Cats. <i>Metabolites</i> , 2022, 12, 105.	1.3	1
81	In vitro digestion and microbial fermentation of dried food residues, a potential new component for pet food, and different non-digestible carbohydrate sources. <i>PLoS ONE</i> , 2022, 17, e0262536.	1.1	1
82	Beneficial effects of a prescription home-prepared diet and of zucchini on urine calcium oxalate supersaturation and urinary parameters in adult cats. <i>Journal of Feline Medicine and Surgery</i> , 2022, 24, 1203-1211.	0.6	1
83	Evaluation of the Effect of Different Dietary Lipid Sources on Dogs' Faecal Microbial Population and Activities. <i>Animals</i> , 2022, 12, 1368.	1.0	1
84	A porcine animal model to mimic the restart of enteral nutrition (refeeding-model). <i>Archives of Animal Nutrition</i> , 2019, 73, 52-66.	0.9	0
85	A Preliminary Survey of the Distribution of Segmented Filamentous Bacteria in the Porcine Gastrointestinal Tract. <i>Current Microbiology</i> , 2021, 78, 3757-3761.	1.0	0
86	Gut Microbiota of Pigs Metabolizes Extracts of <i>Filipendula ulmaria</i> and <i>Orthosiphon aristatus</i> Herbal Remedies Used in Urinary Tract Disorders. <i>Planta Medica</i> , 2021, , .	0.7	0
87	Dietary methionine source alters the lipidome in the small intestinal epithelium of pigs. <i>Scientific Reports</i> , 2022, 12, 4863.	1.6	0
88	Performance, health, bacterial metabolites and intestinal histomorphology in does and growing rabbits fed diets with increasing lignocellulose-to-cellulose proportions. <i>Archives of Animal Nutrition</i> , 0, , 1-20.	0.9	0