

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
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414034

32
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91
all docs

91
docs citations

91
times ranked

2047
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	Porcine and Chicken Intestinal Epithelial Cell Models for Screening Phytogetic Feed Additives "Chances and Limitations in Use as Alternatives to Feeding Trials. <i>Microorganisms</i> , 2022, 10, 629.	1.6	5
9	Dietary methionine source alters the lipidome in the small intestinal epithelium of pigs. <i>Scientific Reports</i> , 2022, 12, 4863.	1.6	0
10	The Food for Feed Concept: Redefining the Use of Hotel Food Residues in Broiler Diets. <i>Sustainability</i> , 2022, 14, 3659.	1.6	4
11	Fiber Composition in Sows' Diets Modifies <i>Clostridioides difficile</i> Colonization in Their Offspring. <i>Current Microbiology</i> , 2022, 79, 154.	1.0	6
12	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
13	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
14	Meat Quality Traits as Affected by the Dietary Inclusion of Food Waste in Finishing Pigs. <i>Sustainability</i> , 2022, 14, 6593.	1.6	4
15	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
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	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Development and Functional Properties of Intestinal Mucus Layer in Poultry. <i>Frontiers in Immunology</i> , 2021, 12, 745849.	2.2	53
28	Investigations on the Use of Dried Food Residues as a Potential Dietary Ingredient for Cats. <i>Sustainability</i> , 2021, 13, 11603.	1.6	2
29	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
30	Use of low dosage amino acid blends to prevent stress-related piglet diarrhea. <i>Translational Animal Science</i> , 2021, 5, txab209.	0.4	5
31	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
32	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
33	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
34	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
35	<i>Lythrum salicaria</i> 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
36	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

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37	In vitro conjugation kinetics of Amp ^C , 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
38	The Impact of Direct-Fed Microbials and Phytogetic Feed Additives on Prevalence and Transfer of Extended-Spectrum Beta-Lactamase Genes in Broiler Chicken. <i>Microorganisms</i> , 2020, 8, 322.	1.6	8
39	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
40	Impact of Dietary Cellobiose on the Fecal Microbiota of Horses. <i>Journal of Equine Veterinary Science</i> , 2020, 91, 103106.	0.4	14
41	Porcine Colostrum Protects the IPEC-J2 Cells and Piglet Colon Epithelium against <i>Clostridioides (syn.) Tj ETQq1</i> 1 0.784314 rgBT /Overlo	1.6	8
42	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
43	Effects of Brewer's spent grain and carrot pomace on digestibility, fecal microbiota, and fecal and urinary metabolites in dogs fed low- or high-protein diets ¹ . <i>Journal of Animal Science</i> , 2019, 97, 4124-4133.	0.2	13
44	Developing Gut Microbiota Exerts Colonisation Resistance to <i>Clostridium (syn. Clostridioides) difficile</i> in Piglets. <i>Microorganisms</i> , 2019, 7, 218.	1.6	22
45	Optimization of Production Parameters for Probiotic <i>Lactobacillus</i> Strains as Feed Additive. <i>Molecules</i> , 2019, 24, 3286.	1.7	23
46	<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
47	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
48	Effects of dietary arginine supplementation to early pregnant mares on conceptus diameter—Preliminary findings. <i>Reproduction in Domestic Animals</i> , 2019, 54, 772-778.	0.6	5
49	Synergistic Effects of Probiotics and Phytochemicals on the Intestinal Microbiota in Young Broiler Chicken. <i>Microorganisms</i> , 2019, 7, 684.	1.6	48
50	Screening of Host Specific Lactic Acid Bacteria Active Against <i>Escherichia coli</i> 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
51	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
52	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
53	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
54	Impact of early-life events on the susceptibility to <i>Clostridium difficile</i> colonisation and infection in the offspring of the pig. <i>Gut Microbes</i> , 2019, 10, 251-259.	4.3	14

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55	The impacts of <i>Macleaya cordata</i> extract and naringin inclusion in post-weaning piglet diets on performance, nutrient digestibility and intestinal histomorphology. Archives of Animal Nutrition, 2018, 72, 178-189.	0.9	32
56	Porcine and bovine <i>Clostridium difficile</i> ribotype 078 isolates demonstrate similar growth and toxigenic properties. International Microbiology, 2018, 21, 215-221.	1.1	3
57	High dosage of zinc modulates T-cells in a time-dependent manner within porcine gut-associated lymphatic tissue. British Journal of Nutrition, 2018, 120, 1349-1358.	1.2	8
58	Influence of protein concentration and quality in a canned diet on urine composition, apparent nutrient digestibility and energy supply in adult cats. BMC Veterinary Research, 2018, 14, 225.	0.7	5
59	Effects of Dietary Arginine, Ornithine, and Zeolite Supplementation on Uremic Toxins in Cats. Toxins, 2018, 10, 206.	1.5	3
60	The expression of NKG2D on porcine IEL and its possible relation to the adaptive intestinal immune system. Veterinary Immunology and Immunopathology, 2017, 187, 89-95.	0.5	4
61	Effects of Ex Vivo Infection with ETEC on Jejunal Barrier Properties and Cytokine Expression in Probiotic-Supplemented Pigs. Digestive Diseases and Sciences, 2017, 62, 922-933.	1.1	17
62	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. Journal of Agricultural and Food Chemistry, 2017, 65, 6821-6830.	2.4	43
63	Types and prevalence of extended-spectrum beta-lactamase producing <i>Enterobacteriaceae</i> in poultry. Animal Health Research Reviews, 2017, 18, 46-57.	1.4	104
64	Pathogen-Reactive T Helper Cell Analysis in the Pig. Frontiers in Immunology, 2017, 8, 565.	2.2	21
65	Lutein Specific Relationships among Some Spectrophotometric and Colorimetric Parameters of Chicken Egg Yolk. Journal of Poultry Science, 2017, 54, 271-277.	0.7	13
66	Impact of Dietary Protein Concentration and Quality on Immune Function of Cats. PLoS ONE, 2017, 12, e0169822.	1.1	8
67	Impact of Increasing Dietary Calcium Levels on Calcium Excretion and Vitamin D Metabolites in the Blood of Healthy Adult Cats. PLoS ONE, 2016, 11, e0149190.	1.1	8
68	Determination of the extent of <i>Clostridium difficile</i> colonisation and toxin accumulation in sows and neonatal piglets. Anaerobe, 2016, 40, 5-9.	1.0	17
69	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. Cytotechnology, 2016, 68, 1949-1961.	0.7	12
70	Physical Pre-Treatment Improves Efficient DNA Extraction and qPCR Sensitivity from <i>Clostridium Difficile</i> Spores in Faecal Swine Specimens. Current Microbiology, 2016, 73, 727-731.	1.0	8
71	Age-associated and breed-associated variations in haematological and biochemical variables in young labrador retriever and miniature schnauzer dogs. Veterinary Record Open, 2016, 3, e000166.	0.3	26
72	High dietary zinc supplementation increases the occurrence of tetracycline and sulfonamide resistance genes in the intestine of weaned pigs. Gut Pathogens, 2015, 7, 23.	1.6	73

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73	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. PLoS ONE, 2015, 10, e0143098.	1.1	12
74	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. Poultry Science, 2015, 94, 692-699.	1.5	24
75	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. British Journal of Nutrition, 2015, 113, 610-617.	1.2	85
76	Probiotic Treatment Decreases the Number of CD14-Expressing Cells in Porcine Milk Which Correlates with Several Intestinal Immune Parameters in the Piglets. Frontiers in Immunology, 2015, 6, 108.	2.2	25
77	Dietary inulin affects the intestinal microbiota in sows and their suckling piglets. BMC Veterinary Research, 2015, 11, 51.	0.7	60
78	Effect of Dietary Zinc Oxide on Morphological Characteristics, Mucin Composition and Gene Expression in the Colon of Weaned Piglets. PLoS ONE, 2014, 9, e91091.	1.1	56
79	Energy intake, growth rate and body composition of young Labrador Retrievers and Miniature Schnauzers fed different dietary levels of vitamin A. British Journal of Nutrition, 2014, 111, 2104-2111.	1.2	3
80	Effects of potassium chloride and potassium bicarbonate in the diet on urinary pH and mineral excretion of adult cats. British Journal of Nutrition, 2014, 111, 785-797.	1.2	11
81	Relevance of dietary protein concentration and quality as risk factors for the formation of calcium oxalate stones in cats. Journal of Nutritional Science, 2014, 3, e51.	0.7	13
82	The Influence of DNA Extraction Procedure and Primer Set on the Bacterial Community Analysis by Pyrosequencing of Barcoded 16S rRNA Gene Amplicons. Molecular Biology International, 2014, 2014, 1-10.	1.7	18
83	Impact of a probiotic Bacillus cereus strain on the jejunal epithelial barrier and on the NKG2D expressing immune cells during the weaning phase of piglets. Veterinary Immunology and Immunopathology, 2014, 161, 57-65.	0.5	27
84	Concentrations of strontium, barium, cadmium, copper, zinc, manganese, chromium, antimony, selenium and lead in the equine liver and kidneys. SpringerPlus, 2014, 3, 343.	1.2	14
85	Fenugreek seed affects intestinal microbiota and immunological variables in piglets after weaning. British Journal of Nutrition, 2013, 109, 859-866.	1.2	24
86	Urinary Calcium and Oxalate Excretion in Healthy Adult Cats Are Not Affected by Increasing Dietary Levels of Bone Meal in a Canned Diet. PLoS ONE, 2013, 8, e70530.	1.1	16
87	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. Archives of Animal Nutrition, 2012, 66, 14-26.	0.9	68
88	Performance, health, bacterial metabolites and intestinal histomorphology in does and growing rabbits fed diets with increasing lignocellulose-to-cellulose proportions. Archives of Animal Nutrition, 0, , 1-20.	0.9	0