

John F Patience

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

861
citations

430754

18
h-index

552653

26
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51
all docs

51
docs citations

51
times ranked

784
citing authors

#	ARTICLE	IF	CITATIONS
1	Xylanase Supplementation Modulates the Microbiota of the Large Intestine of Pigs Fed Corn-Based Fiber by Means of a Stimbiotic Mechanism of Action. <i>Frontiers in Microbiology</i> , 2021, 12, 619970.	1.5	14
2	Estimation of endogenous intestinal losses of acid hydrolyzed ether extract in growing and finishing pigs using the linear regression method. <i>Translational Animal Science</i> , 2021, 5, txab080.	0.4	0
3	A comparison of the release of phosphorus by a phytase enzyme in pigs fed diets deficient or adequate in phosphorus content. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	4
4	Evaluation of increased fiber, decreased amino acids, or decreased electrolyte balance as dietary approaches to slow finishing pig growth rates. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	6
5	Effects of continuously infusing glucose or casein into the terminal ileum on biomarkers of metabolism, inflammation, and intestinal morphology in growing pigs. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	6
6	The influence of xylanase on the fermentability, digestibility, and physicochemical properties of insoluble corn-based fiber along the gastrointestinal tract of growing pigs. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	6
7	Effect of xylanase supplementation on nutrient and energy digestibility at three time periods in growing pigs fed diets based on corn or corn distillers dried grains with solubles. <i>Animal Feed Science and Technology</i> , 2021, 276, 114929.	1.1	3
8	Xylanase modulates the microbiota of ileal mucosa and digesta of pigs fed corn-based arabinoxylans likely through both a stimbiotic and prebiotic mechanism. <i>PLoS ONE</i> , 2021, 16, e0246144.	1.1	17
9	Nutritional approaches to slow late finishing pig growth: implications on carcass composition and pork quality. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	9
10	Innovative strategies for managing swine welfare during the COVID-19 pandemic in Iowa. <i>Translational Animal Science</i> , 2021, 5, txab225.	0.4	5
11	Enhancing digestibility of corn fed to pigs at two stages of growth through management of particle size using a hammermill or a roller mill. <i>Translational Animal Science</i> , 2020, 4, 10-21.	0.4	10
12	The effects of enzymatically treated soybean meal on growth performance and intestinal structure, barrier integrity, inflammation, oxidative status, and volatile fatty acid production of nursery pigs. <i>Translational Animal Science</i> , 2020, 4, txaa170.	0.4	6
13	Can the digestibility of corn distillers dried grains with solubles fed to pigs at two stages of growth be enhanced through management of particle size using a hammermill or a roller mill?. <i>Translational Animal Science</i> , 2020, 4, txaa171.	0.4	1
14	Xylanase supplementation in corn-based swine diets: a review with emphasis on potential mechanisms of action. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	29
15	Adverse effects on growth performance and bone development in nursery pigs fed diets marginally deficient in phosphorus with increasing calcium to available phosphorus ratios. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	8
16	Xylanase increased the energetic contribution of fiber and improved the oxidative status, gut barrier integrity, and growth performance of growing pigs fed insoluble corn-based fiber. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	30
17	The impact of porcine spray-dried plasma protein and dried egg protein harvested from hyper-immunized hens, provided in the presence or absence of subtherapeutic levels of antibiotics in the feed, on growth and indicators of intestinal function and physiology of nursery pigs. <i>Translational Animal Science</i> , 2020, 4, txaa095.	0.4	5
18	The effect of lactose and a prototype <i>Lactobacillus acidophilus</i> fermentation product on digestibility, nitrogen balance, and intestinal function of weaned pigs ¹ . <i>Translational Animal Science</i> , 2020, 4, 641-654.	0.4	3

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19	Dietary Soluble and Insoluble Fiber With or Without Enzymes Altered the Intestinal Microbiota in Weaned Pigs Challenged With Enterotoxigenic E. coli F18. <i>Frontiers in Microbiology</i> , 2020, 11, 1110.	1.5	31
20	Effects of grinding method and particle size of wheat grain on energy and nutrient digestibility in growing and finishing pigs. <i>Translational Animal Science</i> , 2020, 4, 682-693.	0.4	5
21	Impact of increasing the levels of insoluble fiber and on the method of diet formulation measures of energy and nutrient digestibility in growing pigs. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	18
22	Effects of an F18 enterotoxigenic Escherichia coli challenge on growth performance, immunological status, and gastrointestinal structure of weaned pigs and the potential protective effect of direct-fed microbial blends. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	29
23	133 Supplementing xylanase increased the digestibility of non-starch polysaccharides, particularly arabinoxylan, in diets high in insoluble corn fiber fed to swine with a 36-d dietary adaptation period. <i>Journal of Animal Science</i> , 2020, 98, 52-52.	0.2	1
24	Xylanase, and the role of digestibility and hindgut fermentation in pigs on energetic differences among high and low energy corn samples1. <i>Journal of Animal Science</i> , 2019, 97, 4293-4297.	0.2	11
25	Insoluble dietary fiber does not affect the ability of phytase to release phosphorus from phytate in the diet of nursery pigs1. <i>Journal of Animal Science</i> , 2019, 97, 3451-3459.	0.2	1
26	A soluble and highly fermentable dietary fiber with carbohydrases improved gut barrier integrity markers and growth performance in F18 ETEC challenged pigs1. <i>Journal of Animal Science</i> , 2019, 97, 2139-2153.	0.2	36
27	Exogenous carbohydrases added to a starter diet reduced markers of systemic immune activation and decreased <i>Lactobacillus</i> in weaned pigs1. <i>Journal of Animal Science</i> , 2019, 97, 1242-1253.	0.2	8
28	Evaluating phosphorus release by phytase in diets fed to growing pigs that are not deficient in phosphorus1. <i>Journal of Animal Science</i> , 2019, 97, 327-337.	0.2	12
29	Impact of PRRSV infection and dietary soybean meal on ileal amino acid digestibility and endogenous amino acid losses in growing pigs1. <i>Journal of Animal Science</i> , 2018, 96, 1846-1859.	0.2	16
30	Xylose metabolism in the pig. <i>PLoS ONE</i> , 2018, 13, e0205913.	1.1	14
31	A dietary carbohydrase blend improved intestinal barrier function and growth rate in weaned pigs fed higher fiber diets1. <i>Journal of Animal Science</i> , 2018, 96, 5233-5243.	0.2	22
32	The effects of group size and subtherapeutic antibiotic alternatives on growth performance and morbidity of nursery pigs: a model for feed additive evaluation1. <i>Translational Animal Science</i> , 2018, 2, 298-310.	0.4	6
33	Lipopolysaccharide immune stimulation but not β -mannanase supplementation affects maintenance energy requirements in young weaned pigs. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 47.	2.1	40
34	Xylose: absorption, fermentation, and post-absorptive metabolism in the pig. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 4.	2.1	27
35	Factors involved in the regulation of feed and energy intake of pigs. <i>Animal Feed Science and Technology</i> , 2017, 233, 22-33.	1.1	47
36	Disappearance and appearance of an indigestible marker in feces from growing pigs as affected by previous- and current-diet composition. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 32.	2.1	5

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37	Effects of Diet and Genetics on Growth Performance of Pigs in Response to Repeated Exposure to Heat Stress. <i>Frontiers in Genetics</i> , 2017, 8, 155.	1.1	21
38	Effects of distillers' dried grains with solubles and soybean oil on dietary lipid, fiber, and amino acid digestibility in corn-based diets fed to growing pigs. <i>Journal of Animal Science</i> , 2016, 94, 1508-1519.	0.2	19
39	A comparison of the quality of fresh and frozen pork from immunologically castrated males versus gilts, physical castrates, and entire males. <i>Meat Science</i> , 2016, 111, 110-115.	2.7	15
40	Pork as a Source of Omega-3 (n-3) Fatty Acids. <i>Journal of Clinical Medicine</i> , 2015, 4, 1999-2011.	1.0	76
41	Alterations in the Colonic Microbiota of Pigs Associated with Feeding Distillers Dried Grains with Solubles. <i>PLoS ONE</i> , 2015, 10, e0141337.	1.1	21
42	Relationships among dietary fiber components and the digestibility of energy, dietary fiber, and amino acids and energy content of nine corn coproducts fed to growing pigs ¹ . <i>Journal of Animal Science</i> , 2014, 92, 4505-4517.	0.2	52
43	Evaluation of two mycotoxin mitigation strategies in grow-finish swine diets containing corn dried distillers grains with solubles naturally contaminated with deoxynivalenol ¹ . <i>Journal of Animal Science</i> , 2014, 92, 620-626.	0.2	27
44	Investigation of the Impact of Increased Dietary Insoluble Fiber through the Feeding of Distillers Dried Grains with Solubles (DDGS) on the Incidence and Severity of <i>Brachyspira</i> -Associated Colitis in Pigs. <i>PLoS ONE</i> , 2014, 9, e114741.	1.1	29
45	Impact of dietary fat source and concentration and daily fatty acid intake on the composition of carcass fat and iodine value sampled in three regions of the pork carcass ¹ . <i>Journal of Animal Science</i> , 2014, 92, 5485-5495.	0.2	14
46	The importance of water in pork production. <i>Animal Frontiers</i> , 2012, 2, 28-35.	0.8	24
47	Meeting the energy and protein requirements of the high producing sow. <i>Animal Feed Science and Technology</i> , 1996, 58, 49-64.	1.1	6
48	Influence of Dietary Undetermined Anion on Acid-Base Status and Performance in Pigs. <i>Journal of Nutrition</i> , 1990, 120, 579-587.	1.3	29
49	The effect of sodium bicarbonate or potassium bicarbonate on acid-base status and protein and energy digestibility in swine. <i>Nutrition Research</i> , 1986, 6, 263-273.	1.3	31
50	Invited Review: Strategic adoption of antibiotic free pork production: The importance of a holistic approach. <i>Translational Animal Science</i> , 0, , .	0.4	1