

# Sung Woo Kim

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

183  
papers

8,077  
citations

48  
h-index

87  
g-index

201  
ext. papers

9,919  
ext. citations

2.7  
avg, IF

6.68  
L-index

#	Paper	IF	Citations
183	Amino acids and immune function. <i>British Journal of Nutrition</i> , <b>2007</b> , 98, 237-52	3.6	847
182	Arginine metabolism and nutrition in growth, health and disease. <i>Amino Acids</i> , <b>2009</b> , 37, 153-68	3.5	799
181	Proline and hydroxyproline metabolism: implications for animal and human nutrition. <i>Amino Acids</i> , <b>2011</b> , 40, 1053-63	3.5	367
180	<i>Aspergillus oryzae</i> GB-107 fermentation improves nutritional quality of food soybeans and feed soybean meals. <i>Journal of Medicinal Food</i> , <b>2004</b> , 7, 430-5	2.8	280
179	Dietary L-arginine supplementation enhances the reproductive performance of gilts. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 652-6	4.1	206
178	Dynamic distribution of the gut microbiota and the relationship with apparent crude fiber digestibility and growth stages in pigs. <i>Scientific Reports</i> , <b>2015</b> , 5, 9938	4.9	198
177	Important roles for the arginine family of amino acids in swine nutrition and production. <i>Livestock Science</i> , <b>2007</b> , 112, 8-22	1.7	187
176	Dietary arginine supplementation enhances the growth of milk-fed young pigs. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 625-30	4.1	182
175	Arginine nutrition in neonatal pigs. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 2783S-2790S; discussion 2796S-2797S	4.1	179
174	L-Cysteine metabolism and its nutritional implications. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 134-46	5.9	161
173	Nutrients Mediate Intestinal Bacteria-Mucosal Immune Crosstalk. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 5	8.4	137
172	Functional Amino Acids and Fatty Acids for Enhancing Production Performance of Sows and Piglets. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2007</b> , 20, 295-306	2.4	124
171	Pharmacokinetics and safety of arginine supplementation in animals. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 1673S-1680S	4.1	123
170	Regulatory role for amino acids in mammary gland growth and milk synthesis. <i>Amino Acids</i> , <b>2009</b> , 37, 89-95	3.5	115
169	Effects of dietary arginine supplementation during gestation and lactation on the performance of lactating primiparous sows and nursing piglets. <i>Journal of Animal Science</i> , <b>2008</b> , 86, 827-35	0.7	108
168	Ideal amino acid balance for sows during gestation and lactation. <i>Journal of Animal Science</i> , <b>2009</b> , 87, E123-32	0.7	105
167	Effects of chito-oligosaccharide supplementation on performance, nutrient digestibility, and serum composition in broiler chickens. <i>Poultry Science</i> , <b>2007</b> , 86, 1107-14	3.9	92

166	Oxidative stress status of highly prolific sows during gestation and lactation. <i>Animal</i> , <b>2011</b> , 5, 1774-9	3.1	91
165	Protective effects of Forsythia suspensa extract against oxidative stress induced by diquat in rats. <i>Food and Chemical Toxicology</i> , <b>2010</b> , 48, 764-70	4.7	89
164	Effects of dietary n-6:n-3 PUFA ratio on fatty acid composition, free amino acid profile and gene expression of transporters in finishing pigs. <i>British Journal of Nutrition</i> , <b>2015</b> , 113, 739-48	3.6	87
163	Improving efficiency of sow productivity: nutrition and health. <i>Journal of Animal Science and Biotechnology</i> , <b>2013</b> , 4, 26	6	86
162	Preventive effect of Coptis chinensis and berberine on intestinal injury in rats challenged with lipopolysaccharides. <i>Food and Chemical Toxicology</i> , <b>2011</b> , 49, 61-9	4.7	82
161	The suckling piglet as an agrimedical model for the study of pediatric nutrition and metabolism. <i>Annual Review of Animal Biosciences</i> , <b>2014</b> , 2, 419-44	13.7	81
160	143 Supplemental effects of whey permeate on growth performance and gut health of nursery pigs. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 81-82	0.7	78
159	PSIV-4 Effect of combinations of feed enzymes on growth performance, and nutrient digestibility in nursery pigs fed complex diets. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 180-181	0.7	78
158	PSV-20 Effects of fortified yeast cell wall extract on growth and health of newly weaned pigs under chronic dietary challenges of aflatoxin and deoxynivalenol. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 198-199	0.7	78
157	179 Efficacy and safety of amino acids with biomass for growth and health of newly-weaned pigs. <i>Journal of Animal Science</i> , <b>2020</b> , 98, 77-77	0.7	78
156	93 Effects of a Functional Oils Blend on Intestinal Health and Growth Performance of Nursery Pigs. <i>Journal of Animal Science</i> , <b>2021</b> , 99, 47-47	0.7	78
155	367 Combinational use of sodium butyrate and phytogenics on intestinal health of nursery pigs. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 132-133	0.7	78
154	126 Evaluation of true ileal amino acid digestibility of fermented soybean meal fed to nursery pigs. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 110-111	0.7	78
153	366 Efficacy of mycotoxin deactivators on health and growth of newly weaned pigs under chronic dietary challenges of deoxynivalenol. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 130-132	0.7	78
152	137 Effects of dietary supplementation with xylanase and probiotics on growth performance and gut health of newly weaned pigs. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 115-115	0.7	78
151	152 Supplemental effects of chelated trace minerals replacing inorganic trace minerals in sow diets on production performance, DNA methylation, histone acetylation, and gene expression in muscle and intestinal tissues of progeny.. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 288-288	0.7	78
150	22 Evaluation of intestinal health in nursery pigs. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 3-3	0.7	78
149	Meeting Global Feed Protein Demand: Challenge, Opportunity, and Strategy. <i>Annual Review of Animal Biosciences</i> , <b>2019</b> , 7, 221-243	13.7	76

148	Hepatitis B virus x protein induces perinuclear mitochondrial clustering in microtubule- and Dynein-dependent manners. <i>Journal of Virology</i> , <b>2007</b> , 81, 1714-26	6.6	72
147	Lactating porcine mammary tissue catabolizes branched-chain amino acids for glutamine and aspartate synthesis. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 1502-9	4.1	68
146	Effects of Forsythia suspensa extract on growth performance, nutrient digestibility, and antioxidant activities in broiler chickens under high ambient temperature. <i>Poultry Science</i> , <b>2008</b> , 87, 1287-94	3.9	67
145	Autophagy: The Last Defense against Cellular Nutritional Stress. <i>Advances in Nutrition</i> , <b>2018</b> , 9, 493-504	10	66
144	Fermented soybean meal as a vegetable protein source for nursery pigs: I. Effects on growth performance of nursery pigs. <i>Journal of Animal Science</i> , <b>2010</b> , 88, 214-24	0.7	64
143	Effect of feed grade L-methionine on growth performance and gut health in nursery pigs compared with conventional DL-methionine. <i>Journal of Animal Science</i> , <b>2014</b> , 92, 5530-9	0.7	60
142	The use of feed additives to reduce the effects of aflatoxin and deoxynivalenol on pig growth, organ health and immune status during chronic exposure. <i>Toxins</i> , <b>2013</b> , 5, 1261-81	4.9	60
141	Dietary supplementation with L-glutamate and L-aspartate alleviates oxidative stress in weaned piglets challenged with hydrogen peroxide. <i>Amino Acids</i> , <b>2016</b> , 48, 53-64	3.5	57
140	Dietary arginine supplementation affects microvascular development in the small intestine of early-weaned pigs. <i>Journal of Nutrition</i> , <b>2008</b> , 138, 1304-9	4.1	54
139	Biological Effects and Applications of Chitosan and Chito-Oligosaccharides. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 516	4.6	53
138	Effects of chitosan on intestinal inflammation in weaned pigs challenged by enterotoxigenic Escherichia coli. <i>PLoS ONE</i> , <b>2014</b> , 9, e104192	3.7	50
137	Effects of supplementing <i>Saccharomyces cerevisiae</i> fermentation product in sow diets on performance of sows and nursing piglets. <i>Journal of Animal Science</i> , <b>2011</b> , 89, 2462-71	0.7	50
136	Effect of dietary supplementation of xylanase on apparent ileal digestibility of nutrients, viscosity of digesta, and intestinal morphology of growing pigs fed corn and soybean meal based diet. <i>Animal Nutrition</i> , <b>2015</b> , 1, 19-23	4.8	49
135	Dietary supplementation with cholesterol and docosahexaenoic acid affects concentrations of amino acids in tissues of young pigs. <i>Amino Acids</i> , <b>2009</b> , 37, 709-16	3.5	48
134	Identification and characterization of antioxidants from <i>Sophora flavescens</i> . <i>Biological and Pharmaceutical Bulletin</i> , <b>2006</b> , 29, 1911-5	2.3	48
133	Effect of dietary supplementation of n-3 fatty acids and elevated concentrations of dietary protein on the performance of sows. <i>Journal of Animal Science</i> , <b>2009</b> , 87, 948-59	0.7	46
132	Effects of dietary Astragalus polysaccharide on growth performance and immune function in weaned pigs. <i>Animal Science</i> , <b>2006</b> , 82, 501-507		46
131	Stress, Nutrition, and Intestinal Immune Responses in Pigs - A Review. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2016</b> , 29, 1075-82	2.4	43

130	Occurrence and Decontamination of Mycotoxins in Swine Feed. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2011</b> , 24, 723-738	2.4	42
129	The effects of berberine on the magnitude of the acute inflammatory response induced by <i>Escherichia coli</i> lipopolysaccharide in broiler chickens. <i>Poultry Science</i> , <b>2010</b> , 89, 13-9	3.9	38
128	The Physiological Basis and Nutritional Function of Alpha-ketoglutarate. <i>Current Protein and Peptide Science</i> , <b>2015</b> , 16, 576-81	2.8	38
127	Protective effect of two yeast based feed additives on pigs chronically exposed to deoxynivalenol and zearalenone. <i>Toxins</i> , <b>2014</b> , 6, 3336-53	4.9	37
126	Supplemental effect of xylanase and mannanase on nutrient digestibility and gut health of nursery pigs studied using both in vivo and in vitro models. <i>Animal Feed Science and Technology</i> , <b>2018</b> , 245, 77-90 <sup>3</sup>		36
125	Microbial shifts in the porcine distal gut in response to diets supplemented with <i>Enterococcus Faecalis</i> as alternatives to antibiotics. <i>Scientific Reports</i> , <b>2017</b> , 7, 41395	4.9	35
124	Intestinal challenge with enterotoxigenic in pigs, and nutritional intervention to prevent postweaning diarrhea. <i>Animal Nutrition</i> , <b>2017</b> , 3, 322-330	4.8	35
123	Characterization of Microbiota Associated with Digesta and Mucosa in Different Regions of Gastrointestinal Tract of Nursery Pigs. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	35
122	Dietary L-tryptophan supplementation with reduced large neutral amino acids enhances feed efficiency and decreases stress hormone secretion in nursery pigs under social-mixing stress. <i>Journal of Nutrition</i> , <b>2012</b> , 142, 1540-6	4.1	35
121	Supplemental nucleotides high in inosine 5Rmonophosphate to improve the growth and health of nursery pigs. <i>Journal of Animal Science</i> , <b>2014</b> , 92, 645-51	0.7	32
120	Dietary supplementation of xylanase and protease on growth performance, digesta viscosity, nutrient digestibility, immune and oxidative stress status, and gut health of newly weaned pigs. <i>Animal Nutrition</i> , <b>2019</b> , 5, 351-358	4.8	31
119	Effects of ginger ( <i>Zingiber officinale</i> Rosc.) on decreasing the production of inflammatory mediators in sow osteoarthrotic cartilage explants. <i>Journal of Medicinal Food</i> , <b>2003</b> , 6, 323-8	2.8	31
118	Efficacy of a Yeast Cell Wall Extract to Mitigate the Effect of Naturally Co-Occurring Mycotoxins Contaminating Feed Ingredients Fed to Young Pigs: Impact on Gut Health, Microbiome, and Growth. <i>Toxins</i> , <b>2019</b> , 11,	4.9	31
117	Differential expression of proteins involved in energy production along the crypt-villus axis in early-weaning pig small intestine. <i>American Journal of Physiology - Renal Physiology</i> , <b>2015</b> , 309, G229-37	5.1	30
116	Efficacy of dietary spray dried plasma protein to mitigate the negative effects on performance of pigs fed diets with corn naturally contaminated with multiple mycotoxins. <i>Journal of Animal Science</i> , <b>2014</b> , 92, 3878-86	0.7	30
115	Comparative effects of ginger root ( <i>Zingiber officinale</i> Rosc.) on the production of inflammatory mediators in normal and osteoarthrotic sow chondrocytes. <i>Journal of Medicinal Food</i> , <b>2005</b> , 8, 149-53	2.8	29
114	Dietary supplementation with cholesterol and docosahexaenoic acid increases the activity of the arginine-nitric oxide pathway in tissues of young pigs. <i>Nitric Oxide - Biology and Chemistry</i> , <b>2008</b> , 19, 259-65	5	27
113	Metabolic Regulation of Methionine Restriction in Diabetes. <i>Molecular Nutrition and Food Research</i> , <b>2018</b> , 62, e1700951	5.9	25

112	Use of carbohydrases in corn-soybean meal based grower-finisher pig diets. <i>Animal Research</i> , <b>2006</b> , 55, 563-578		24
111	Effects of keratinase supplementation of corn-soybean meal based diets on apparent ileal amino acid digestibility in growing pigs and serum amino acids, cytokines, immunoglobulin levels and loin muscle area in nursery pigs. <i>Archives of Animal Nutrition</i> , <b>2011</b> , 65, 290-302	2.7	23
110	Identification of epitopes of the B <sub>3</sub> subunit of soybean B <sub>7</sub> conglycinin that are antigenic in pigs, dogs, rabbits and fish. <i>Journal of the Science of Food and Agriculture</i> , <b>2014</b> , 94, 2289-94	4.3	22
109	Effects of Yeast Culture Supplementation to Gestation and Lactation Diets on Growth of Nursing Piglets. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2008</b> , 21, 1011-1014	2.4	22
108	Characteristics of Gut Microbiota in Sows and Their Relationship with Apparent Nutrient Digestibility. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	22
107	A food-based approach that targets interleukin-6, a key regulator of chronic intestinal inflammation and colon carcinogenesis. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 43, 11-17	6.3	21
106	Supplemental effects of dietary nucleotides on intestinal health and growth performance of newly weaned pigs. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 4875-4882	0.7	21
105	Impacts of low level aflatoxin in feed and the use of modified yeast cell wall extract on growth and health of nursery pigs. <i>Animal Nutrition</i> , <b>2015</b> , 1, 177-183	4.8	21
104	Impacts of energy feeds and supplemental protease on growth performance, nutrient digestibility, and gut health of pigs from 18 to 45kg body weight. <i>Animal Nutrition</i> , <b>2017</b> , 3, 359-365	4.8	20
103	Selenium-enriched garlic and cabbage as a dietary selenium source for broilers. <i>Journal of Medicinal Food</i> , <b>2008</b> , 11, 687-92	2.8	20
102	Investigation of the Efficacy of a Postbiotic Yeast Cell Wall-Based Blend on Newly-Weaned Pigs under a Dietary Challenge of Multiple Mycotoxins with Emphasis on Deoxynivalenol. <i>Toxins</i> , <b>2020</b> , 12,	4.9	20
101	Efficacy of Mycotoxin Detoxifiers on Health and Growth of Newly-Weaned Pigs under Chronic Dietary Challenge of Deoxynivalenol. <i>Toxins</i> , <b>2020</b> , 12,	4.9	19
100	Effects of supplemental L-methionine on growth performance and redox status of turkey poults compared with the use of DL-methionine. <i>Poultry Science</i> , <b>2018</b> , 97, 102-109	3.9	19
99	Effects of different levels of methionine on sow health and plasma metabolomics during late gestation. <i>Food and Function</i> , <b>2018</b> , 9, 4979-4988	6.1	19
98	Dietary Supplementation with <i>Acanthopanax senticosus</i> Extract Modulates Gut Microflora in Weaned Piglets. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2008</b> , 21, 1330-1338	2.4	19
97	Protein digestibility of porcine colostrum by neonatal pigs. <i>Livestock Science</i> , <b>2009</b> , 121, 182-186	1.7	18
96	Identification of new single nucleotide polymorphisms affecting total number born and candidate genes related to ovulation rate in Chinese Erhualian pigs. <i>Animal Genetics</i> , <b>2017</b> , 48, 48-54	2.5	17
95	Mycotoxin Occurrence, Toxicity, and Detoxifying Agents in Pig Production with an Emphasis on Deoxynivalenol. <i>Toxins</i> , <b>2021</b> , 13,	4.9	17

94	Oviduct-specific enhanced green fluorescent protein expression in transgenic chickens. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2011</b> , 75, 646-9	2.1	16
93	Oxidative stress status and reproductive performance of sows during gestation and lactation under different thermal environments. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2020</b> , 33, 722-731	2.4	16
92	Dietary supplementation with sanguinarine enhances serum metabolites and antibodies in growing pigs. <i>Journal of Animal Science</i> , <b>2016</b> , 94, 75-78	0.7	16
91	Effects of supplemental xylanase on health of the small intestine in nursery pigs fed diets with corn distillers dried grains with solubles. <i>Journal of Animal Science</i> , <b>2020</b> , 98,	0.7	15
90	Regulation of amino acid transporters in the mammary gland from late pregnancy to peak lactation in the sow. <i>Journal of Animal Science and Biotechnology</i> , <b>2018</b> , 9, 35	6	15
89	Epitopes from two soybean glycinin subunits are antigenic in pigs. <i>Journal of the Science of Food and Agriculture</i> , <b>2013</b> , 93, 2927-32	4.3	15
88	Production of recombinant human von Willebrand factor in the milk of transgenic pigs. <i>Journal of Reproduction and Development</i> , <b>2009</b> , 55, 484-90	2.1	15
87	Synbiotic Effects of Enzyme and Probiotics on Intestinal Health and Growth of Newly Weaned Pigs Challenged With Enterotoxigenic F18. <i>Frontiers in Veterinary Science</i> , <b>2020</b> , 7, 573	3.1	15
86	Effects of fermented soybean meal on innate immunity-related gene expressions in nursery pigs acutely challenged with lipopolysaccharides. <i>Animal Science Journal</i> , <b>2015</b> , 86, 508-16	1.8	14
85	AMPK Regulation of Glucose, Lipid and Protein Metabolism: Mechanisms and Nutritional Significance. <i>Current Protein and Peptide Science</i> , <b>2017</b> , 18, 562-570	2.8	13
84	An integrated in silico approach for functional and structural impact of non-synonymous SNPs in the MYH1 gene in Jeju Native Pigs. <i>BMC Genetics</i> , <b>2016</b> , 17, 35	2.6	12
83	Identification of a second major antigenic epitope in the B <sub>2</sub> subunit of soy B <sub>2</sub> conglycinin. <i>Food and Agricultural Immunology</i> , <b>2014</b> , 25, 311-321	2.9	12
82	The effect of the ratio of standardized ileal digestible lysine to metabolizable energy on growth performance, blood metabolites and hormones of lactating sows. <i>Journal of Animal Science and Biotechnology</i> , <b>2012</b> , 3, 11	6	10
81	Friend or Foe? Impacts of Dietary Xylans, Xylooligosaccharides, and Xylanases on Intestinal Health and Growth Performance of Monogastric Animals. <i>Animals</i> , <b>2021</b> , 11,	3.1	10
80	Metabolic and Proteomic Responses to Long-Term Protein Restriction in a Pig Model. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 12571-12579	5.7	10
79	Long-term dietary supplementation of organic selenium modulates gene expression profiles in leukocytes of adult pigs. <i>Animal Science Journal</i> , <b>2013</b> , 84, 238-46	1.8	9
78	Intestinal microbiota and its interaction to intestinal health in nursery pigs.. <i>Animal Nutrition</i> , <b>2022</b> , 8, 169-184	4.8	9
77	Intestinal Health of Pigs Upon Weaning: Challenges and Nutritional Intervention. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 628258	3.1	9



76	407 Effects of Bacillus-based direct-fed microbials on growth and gut health of nursery pigs. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 201-201	0.7	8
75	Leucine Promotes the Growth of Fetal Pigs by Increasing Protein Synthesis through the mTOR Signaling Pathway in Longissimus Dorsi Muscle at Late Gestation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2018</b> , 66, 3840-3849	5.7	8
74	Pigs, Unlike Mice, Have Two Distinct Colonic Stem Cell Populations Similar to Humans That Respond to High-Calorie Diet prior to Insulin Resistance. <i>Cancer Prevention Research</i> , <b>2017</b> , 10, 442-450	3.2	8
73	Sow Milk		8
72	Fat encapsulation enhances dietary nutrients utilization and growth performance of nursery pigs. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 3337-3347	0.7	7
71	Regulatory Role of Amino Acids in Pigs Fed on Protein-restricted Diets. <i>Current Protein and Peptide Science</i> , <b>2019</b> , 20, 132-138	2.8	7
70	Bio-fermentation Technology to Improve Efficiency of Swine Nutrition. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>2010</b> , 23, 825-832	2.4	7
69	Supplemental effects of dietary lysophospholipids in lactation diets on sow performance, milk composition, gut health, and gut-associated microbiome of offspring. <i>Journal of Animal Science</i> , <b>2020</b> , 98,	0.7	7
68	Bacteriophage cocktail supplementation improves growth performance, gut microbiome and production traits in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , <b>2021</b> , 12, 49	6	7
67	Regulation in free amino acid profile and protein synthesis pathway of growing pig skeletal muscles by low-protein diets for different time periods. <i>Journal of Animal Science</i> , <b>2016</b> , 94, 5192-5205	0.7	6
66	Enhanced biological effects of Phe140Asn, a novel human granulocyte colony-stimulating factor mutant, on HL60 cells. <i>BMB Reports</i> , <b>2011</b> , 44, 686-91	5.5	6
65	Dietary enzymatically-treated <i>Artemisia annua</i> L. supplementation could alleviate oxidative injury and improve reproductive performance of sows reared under high ambient temperature. <i>Journal of Thermal Biology</i> , <b>2020</b> , 94, 102751	2.9	6
64	Understanding intestinal health in nursery pigs and the relevant nutritional strategies. <i>Animal Bioscience</i> , <b>2021</b> , 34, 338-344	0	6
63	Dose-response and functional role of whey permeate as a source of lactose and milk oligosaccharides on intestinal health and growth of nursery pigs. <i>Journal of Animal Science</i> , <b>2021</b> , 99,	0.7	6
62	Effects of short term supplementation of l-tryptophan and reducing large neutral amino acid along with l-tryptophan supplementation on growth and stress response in pigs. <i>Animal Feed Science and Technology</i> , <b>2015</b> , 207, 245-252	3	5
61	Recent advances in sow nutrition. <i>Revista Brasileira De Zootecnia</i> , <b>2010</b> , 39, 303-310	1.2	5
60	Investigation of the efficacy of mycotoxin-detoxifying additive on health and growth of newly-weaned pigs under deoxynivalenol challenges. <i>Animal Bioscience</i> , <b>2021</b> , 34, 405-416	0	5
59	Dietary inclusion of multispecies probiotics to reduce the severity of post-weaning diarrhea caused by F18 in pigs. <i>Animal Nutrition</i> , <b>2021</b> , 7, 326-333	4.8	5



58	Effects of dietary supplementation of nucleotides from late gestation to lactation on the performance and oxidative stress status of sows and their offspring. <i>Animal Nutrition</i> , <b>2021</b> , 7, 111-118	4.8	5
57	Defatted Rice Bran Supplementation in Diets of Finishing Pigs: Effects on Physiological, Intestinal Barrier, and Oxidative Stress Parameters. <i>Animals</i> , <b>2020</b> , 10,	3.1	4
56	297 Super dosing effects of corn-expressed phytase on growth performance, bone characteristics, and nutrient digestibility in nursery pigs fed diets deficient in phosphorus and calcium. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 144-144	0.7	4
55	Soluble extract of soybean fermented with <i>Aspergillus oryzae</i> GB107 inhibits fat accumulation in cultured 3T3-L1 adipocytes. <i>Nutrition Research and Practice</i> , <b>2015</b> , 9, 439-44	2.1	4
54	Establishment of a pheasant ( <i>Phasianus colchicus</i> ) spermatogonial stem cell line for the production of interspecies germ line chimeras. <i>Electronic Journal of Biotechnology</i> , <b>2014</b> , 17, 211-216	3.1	4
53	Aberrant gene expression patterns in extraembryonic tissue from cloned porcine embryos. <i>Research in Veterinary Science</i> , <b>2013</b> , 94, 531-8	2.5	4
52	Phosphorus requirements for 60- to 100-kg pigs selected for high lean deposition under different thermal environments. <i>Journal of Animal Science</i> , <b>2012</b> , 90, 1499-505	0.7	4
51	Live Yeast or Live Yeast Combined with Zinc Oxide Enhanced Growth Performance, Antioxidative Capacity, Immunoglobulins and Gut Health in Nursery Pigs. <i>Animals</i> , <b>2021</b> , 11,	3.1	4
50	Physiological Effects of Deoxynivalenol from Naturally Contaminated Corn on Cerebral Tryptophan Metabolism, Behavioral Response, Gastrointestinal Immune Status and Health in Pigs Following a Pair-Feeding Model. <i>Toxins</i> , <b>2021</b> , 13,	4.9	4
49	228 Supplemental effects of fermented rice bran extracts on gut health and growth of nursery pigs. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 109-109	0.7	3
48	Effects of dietary supplementation of fermentation product to sows and their offspring on growth and meat quality. <i>Translational Animal Science</i> , <b>2017</b> , 1, 45-53	1.4	3
47	159 Supplemental effects of fermented rice bran extracts on growth performance, bone characteristics, and immune response of broiler chickens. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 75-76	0.7	3
46	Amino acid fortified diets for weanling pigs replacing fish meal and whey protein concentrate: Effects on growth, immune status, and gut health. <i>Journal of Animal Science and Biotechnology</i> , <b>2014</b> , 5, 57	6	3
45	Effects of activation methods on DNA synthesis and development of parthenogenetic porcine embryos. <i>Reproduction in Domestic Animals</i> , <b>2011</b> , 46, 1082-9	1.6	3
44	Hematological and Serum Biochemical Parameters of Korean Native Goats Fed with Spent Mushroom Substrate. <i>Asian Journal of Animal and Veterinary Advances</i> , <b>2012</b> , 7, 1139-1147	0.1	3
43	Supplemental Effects of Functional Oils on the Modulation of Mucosa-Associated Microbiota, Intestinal Health, and Growth Performance of Nursery Pigs. <i>Animals</i> , <b>2021</b> , 11,	3.1	3
42	Modulation of jejunal mucosa-associated microbiota in relation to intestinal health and nutrient digestibility in pigs by supplementation of $\beta$ -glucanase to corn-soybean meal-based diets with xylanase. <i>Journal of Animal Science</i> , <b>2021</b> , 99,	0.7	3
41	Phytobiotics with Adsorbent to Mitigate Toxicity of Multiple Mycotoxins on Health and Growth of Pigs. <i>Toxins</i> , <b>2021</b> , 13,	4.9	3

40	Lowering dietary cation-anion difference increases sow blood and milk calcium concentrations. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 2927-2939	0.7	2
39	395 Effects of dietary lysophospholipid complex on apparent ileal digestibility of fatty acids, intestinal morphology and barrier function, and growth performance in nursery pigs. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 195-195	0.7	2
38	Proteomic analysis of the extraembryonic tissues from cloned porcine fetus at day 35 of pregnancy. <i>BMC Research Notes</i> , <b>2014</b> , 7, 861	2.3	2
37	The effect of horse serum on in vitro development of porcine parthenogenetic embryos. <i>Reproductive Biology</i> , <b>2012</b> , 12, 25-39	2.3	2
36	Diet Formulation and Feeding Programs <b>2012</b> , 215-227		2
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34	Oxidative stress status of high prolific sows during pregnancy and lactation. <i>FASEB Journal</i> , <b>2010</b> , 24, 535.8	0.9	2
33	Purple-fleshed potatoes suppress colon-systemic oxidative stress/inflammatory markers via alternations in the gut bacterial signature. <i>FASEB Journal</i> , <b>2013</b> , 27, 1056.9	0.9	2
32	Effects of mineral methionine hydroxy analog chelate in sow diets on epigenetic modification and growth of progeny. <i>Journal of Animal Science</i> , <b>2020</b> , 98,	0.7	2
31	0947 Effects of dietary lysophospholipid complex on apparent ileal digestibility and growth performance in nursery pigs. <i>Journal of Animal Science</i> , <b>2016</b> , 94, 456-456	0.7	2
30	293 Supplemental Effects of Nucleotides on Gut Health and Growth of Newly Weaned Pigs.. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 157-158	0.7	2
29	45 Opportunity with functional role of supplemental amino acids. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 24-24	0.7	1
28	064 Effects of dietary supplementation of Bmannanase on immune responses in nursery pigs. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 32-32	0.7	1
27	Intestinal microbiota in growing pigs: effects of stocking density. <i>Food and Agricultural Immunology</i> , <b>2018</b> , 29, 524-535	2.9	1
26	406 Effects of modified yeast cell wall extract on gut health and growth of newly weaned pigs under chronic dietary challenges of aflatoxin, deoxynivalenol, and fumonisin. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 200-200	0.7	1
25	Metagenomic Analysis Reveals New Microbiota Related to Fiber Digestion in Pigs. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 746717	5.7	1
24	PSIV-22 Supplemental effects of dietary lysophospholipids in lactation diets on sow performance, milk composition, and intestinal health of piglets. <i>Journal of Animal Science</i> , <b>2020</b> , 98, 174-175	0.7	1
23	High-Calorie Diet Induced Chronic Colonic inflammation: A Human-Relevant Porcine Model to Assess Whole Food Approach to Reduce Colon Cancer Risk. <i>FASEB Journal</i> , <b>2016</b> , 30, 416.2	0.9	1

22	DNA damage determined by Single cell gel electrophoresis using cryopreserved lymphocyte, frozen whole blood in EDTA tube or DNA stabilized tube. <i>FASEB Journal</i> , <b>2010</b> , 24, 535.2	0.9	1
21	Purple potato, even after processing, suppress oxidative stress and inflammatory markers in high-fat diet consuming pigs. <i>FASEB Journal</i> , <b>2012</b> , 26, 823.5	0.9	1
20	Processed purple-fleshed potato prevents and protects against high-fat diet elevated oxidative stress and inflammation markers in vivo in a pig model. <i>FASEB Journal</i> , <b>2013</b> , 27, 862.21	0.9	1
19	365 Effects of weaning ages on growth performance of nursery pigs fed diets with increasing lactose levels during at 7 to 11 kg body weight. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 130-130	0.7	1
18	PORK PRODUCTION SYSTEMS IN CHINA: A REVIEW OF THEIR DEVELOPMENT, CHALLENGES AND PROSPECTS IN GREEN PRODUCTION. <i>Frontiers of Agricultural Science and Engineering</i> , <b>2021</b> , 8, 15	1.7	1
17	Nutritional and functional values of lysed <i>Corynebacterium glutamicum</i> cell mass for intestinal health and growth of nursery pigs.. <i>Journal of Animal Science</i> , <b>2021</b> , 99,	0.7	1
16	Effect of suckling intensity of primiparous sows on production performance during current and subsequent parities1. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 4845-4854	0.7	0
15	Role of milk carbohydrates in intestinal health of nursery pigs: a review.. <i>Journal of Animal Science and Biotechnology</i> , <b>2022</b> , 13, 6	6	0
14	Impacts of weaning age on dietary needs of whey permeate for pigs at 7 to 11 kg body weight. <i>Journal of Animal Science and Biotechnology</i> , <b>2021</b> , 12, 111	6	0
13	Comparative Evaluation of the Ileum Microbiota Composition in Piglets at Different Growth Stages.. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 765691	5.7	0
12	Significance of Mucosa-Associated Microbiota and Its Impacts on Intestinal Health of Pigs Challenged with F18+ <i>E. coli</i> . <i>Pathogens</i> , <b>2022</b> , 11, 589	4.5	0
11	0929 Effects of dietary supplementation of $\beta$ mannanase on digesta viscosity and intestinal health of nursery pigs. <i>Journal of Animal Science</i> , <b>2016</b> , 94, 447-447	0.7	
10	405 Functional difference of free L-Lysine and L-Lysine HCl on growth performances, intestinal health, and intestinal integrity in newly weaned pigs. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 200-200	0.7	
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8	175 Effects of dietary supplementation with xylanase and probiotics on growth performance and gut health of newly weaned pigs challenged with enterotoxigenic <i>E. coli</i> on d 7 post weaned. <i>Journal of Animal Science</i> , <b>2020</b> , 98, 78-78	0.7	
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1	Impacts of weaning weights and mycotoxin challenges on jejunal mucosa-associated microbiota, intestinal and systemic health, and growth performance of nursery pigs.. <i>Journal of Animal Science and Biotechnology</i> , <b>2022</b> , 13, 43	6