

Yulong Yin

List of Publications by Year in descending order

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418
papers

17,717
citations

19657

61
h-index

24982

109
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422
all docs

422
docs citations

422
times ranked

18930
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative Stress and Inflammation: What Polyphenols Can Do for Us?. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-9.	4.0	1,221
2	Quercetin, Inflammation and Immunity. <i>Nutrients</i> , 2016, 8, 167.	4.1	1,119
3	Impact of the Gut Microbiota on Intestinal Immunity Mediated by Tryptophan Metabolism. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 13.	3.9	770
4	The role of methionine on metabolism, oxidative stress, and diseases. <i>Amino Acids</i> , 2017, 49, 2091-2098.	2.7	327
5	Melatonin reprogramming of gut microbiota improves lipid dysmetabolism in high-fat diet-fed mice. <i>Journal of Pineal Research</i> , 2018, 65, e12524.	7.4	314
6	Dietary l-arginine supplementation increases muscle gain and reduces body fat mass in growing-finishing pigs. <i>Amino Acids</i> , 2009, 37, 169-175.	2.7	275
7	Potential Mechanisms Connecting Purine Metabolism and Cancer Therapy. <i>Frontiers in Immunology</i> , 2018, 9, 1697.	4.8	275
8	Cysteine metabolism and its nutritional implications. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 134-146.	3.3	235
9	The role of leucine and its metabolites in protein and energy metabolism. <i>Amino Acids</i> , 2016, 48, 41-51.	2.7	209
10	Myokines and adipokines: Involvement in the crosstalk between skeletal muscle and adipose tissue. <i>Cytokine and Growth Factor Reviews</i> , 2017, 33, 73-82.	7.2	202
11	Quorum Sensing: A Prospective Therapeutic Target for Bacterial Diseases. <i>BioMed Research International</i> , 2019, 2019, 1-15.	1.9	199
12	Resveratrol Attenuates Oxidative Stress-Induced Intestinal Barrier Injury through PI3K/Akt-Mediated Nrf2 Signaling Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-14.	4.0	196
13	Dietary essentiality of nutritionally non-essential amino acids for animals and humans. <i>Experimental Biology and Medicine</i> , 2015, 240, 997-1007.	2.4	195
14	l-Arginine stimulates proliferation and prevents endotoxin-induced death of intestinal cells. <i>Amino Acids</i> , 2010, 38, 1227-1235.	2.7	184
15	Dietary Arginine Supplementation of Mice Alters the Microbial Population and Activates Intestinal Innate Immunity. <i>Journal of Nutrition</i> , 2014, 144, 988-995.	2.9	179
16	Dietary l-arginine supplementation differentially regulates expression of lipid-metabolic genes in porcine adipose tissue and skeletal muscle. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 441-445.	4.2	160
17	Melatonin signaling in T cells: Functions and applications. <i>Journal of Pineal Research</i> , 2017, 62, e12394.	7.4	154
18	Melatonin in macrophage biology: Current understanding and future perspectives. <i>Journal of Pineal Research</i> , 2019, 66, e12547.	7.4	152

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19	Gut Microbiota and Type 1 Diabetes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 995.	4.1	148
20	Butyrate in Energy Metabolism: There Is Still More to Learn. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 159-169.	7.1	136
21	Protective effects of N-acetylcysteine on intestinal functions of piglets challenged with lipopolysaccharide. <i>Amino Acids</i> , 2012, 43, 1233-1242.	2.7	134
22	Melatonin alleviates weanling stress in mice: Involvement of intestinal microbiota. <i>Journal of Pineal Research</i> , 2018, 64, e12448.	7.4	133
23	Serum Amino Acids Profile and the Beneficial Effects of L-Arginine or L-Glutamine Supplementation in Dextran Sulfate Sodium Colitis. <i>PLoS ONE</i> , 2014, 9, e88335.	2.5	128
24	Effects of Dietary Supplementation with Glutamate and Aspartate on Diquat-Induced Oxidative Stress in Piglets. <i>PLoS ONE</i> , 2015, 10, e0122893.	2.5	128
25	Serine alleviates oxidative stress via supporting glutathione synthesis and methionine cycle in mice. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700262.	3.3	127
26	Glutamine Metabolism in Macrophages: A Novel Target for Obesity/Type 2 Diabetes. <i>Advances in Nutrition</i> , 2019, 10, 321-330.	6.4	121
27	Taurine is Involved in Energy Metabolism in Muscles, Adipose Tissue, and the Liver. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1800536.	3.3	121
28	Dietary Arginine Supplementation during Early Pregnancy Enhances Embryonic Survival in Rats. <i>Journal of Nutrition</i> , 2008, 138, 1421-1425.	2.9	115
29	Hydrogen peroxide-induced oxidative stress activates NF- κ B and Nrf2/Keap1 signals and triggers autophagy in piglets. <i>RSC Advances</i> , 2015, 5, 15479-15486.	3.6	112
30	Serine prevented high-fat diet-induced oxidative stress by activating AMPK and epigenetically modulating the expression of glutathione synthesis-related genes. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 488-498.	3.8	112
31	Flavonoids and type 2 diabetes: Evidence of efficacy in clinical and animal studies and delivery strategies to enhance their therapeutic efficacy. <i>Pharmacological Research</i> , 2020, 152, 104629.	7.1	112
32	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> , 2015, 113, 739-748.	2.3	111
33	Nutritional Intervention for the Intestinal Development and Health of Weaned Pigs. <i>Frontiers in Veterinary Science</i> , 2019, 6, 46.	2.2	111
34	The deleterious metabolic and genotoxic effects of the bacterial metabolite p-cresol on colonic epithelial cells. <i>Free Radical Biology and Medicine</i> , 2015, 85, 219-227.	2.9	108
35	Amino-acid transporters in T-cell activation and differentiation. <i>Cell Death and Disease</i> , 2017, 8, e2655-e2655.	6.3	102
36	n-6:n-3 PUFA ratio is involved in regulating lipid metabolism and inflammation in pigs. <i>British Journal of Nutrition</i> , 2014, 111, 445-451.	2.3	99

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37	Dietary l-glutamine supplementation modulates microbial community and activates innate immunity in the mouse intestine. <i>Amino Acids</i> , 2014, 46, 2403-2413.	2.7	98
38	Lysine Restriction Affects Feed Intake and Amino Acid Metabolism via Gut Microbiome in Piglets. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 1749-1761.	1.6	98
39	Simultaneous detection of aflatoxin B1, ochratoxin A, zearalenone and deoxynivalenol in corn and wheat using surface plasmon resonance. <i>Food Chemistry</i> , 2019, 300, 125176.	8.2	98
40	Chlorogenic Acid Decreases Intestinal Permeability and Increases Expression of Intestinal Tight Junction Proteins in Weaned Rats Challenged with LPS. <i>PLoS ONE</i> , 2014, 9, e97815.	2.5	91
41	mTORC1 signaling and IL-17 expression: Defining pathways and possible therapeutic targets. <i>European Journal of Immunology</i> , 2016, 46, 291-299.	2.9	91
42	Amino Acids As Mediators of Metabolic Cross Talk between Host and Pathogen. <i>Frontiers in Immunology</i> , 2018, 9, 319.	4.8	87
43	Autophagy protects intestinal epithelial Cells against Deoxynivalenol toxicity by alleviating oxidative stress via IKK signaling pathway. <i>Free Radical Biology and Medicine</i> , 2015, 89, 944-951.	2.9	83
44	Chitosan Oligosaccharide Reduces Intestinal Inflammation That Involves Calcium-Sensing Receptor (CaSR) Activation in Lipopolysaccharide (LPS)-Challenged Piglets. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 245-252.	5.2	81
45	Oxidative stress, nutritional antioxidants and beyond. <i>Science China Life Sciences</i> , 2020, 63, 866-874.	4.9	80
46	Effects of L-ketoglutarate on energy status in the intestinal mucosa of weaned piglets chronically challenged with lipopolysaccharide. <i>British Journal of Nutrition</i> , 2011, 106, 357-363.	2.3	79
47	Cecropin A Alleviates Inflammation Through Modulating the Gut Microbiota of C57BL/6 Mice With DSS-Induced IBD. <i>Frontiers in Microbiology</i> , 2019, 10, 1595.	3.5	79
48	The Role of Oxidative Stress and Antioxidant Balance in Pregnancy. <i>Mediators of Inflammation</i> , 2021, 2021, 1-11.	3.0	78
49	The application of antimicrobial peptides as growth and health promoters for swine. <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 19.	5.3	75
50	Dietary supplementation with l-glutamate and l-aspartate alleviates oxidative stress in weaned piglets challenged with hydrogen peroxide. <i>Amino Acids</i> , 2016, 48, 53-64.	2.7	74
51	Impact of Gallic Acid on Gut Health: Focus on the Gut Microbiome, Immune Response, and Mechanisms of Action. <i>Frontiers in Immunology</i> , 2020, 11, 580208.	4.8	74
52	Glutamine promotes intestinal SIgA secretion through intestinal microbiota and IL-13. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1637-1648.	3.3	72
53	Effects of dietary l-lysine intake on the intestinal mucosa and expression of CAT genes in weaned piglets. <i>Amino Acids</i> , 2013, 45, 383-391.	2.7	71
54	Low-protein diets affect ileal amino acid digestibility and gene expression of digestive enzymes in growing and finishing pigs. <i>Amino Acids</i> , 2016, 48, 21-30.	2.7	70

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55	Intestinal Microbiota-Derived GABA Mediates Interleukin-17 Expression during Enterotoxigenic <i>Escherichia coli</i> Infection. <i>Frontiers in Immunology</i> , 2016, 7, 685.	4.8	70
56	Effects of Long-Term Protein Restriction on Meat Quality, Muscle Amino Acids, and Amino Acid Transporters in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9297-9304.	5.2	68
57	Putrescine Stimulates the mTOR Signaling Pathway and Protein Synthesis in Porcine Trophectoderm Cells1. <i>Biology of Reproduction</i> , 2014, 91, 106.	2.7	66
58	Chitosan oligosaccharide affects antioxidant defense capacity and placental amino acids transport of sows. <i>BMC Veterinary Research</i> , 2016, 12, 243.	1.9	66
59	Room temperature electrocompetent bacterial cells improve DNA transformation and recombineering efficiency. <i>Scientific Reports</i> , 2016, 6, 24648.	3.3	66
60	Effects of Chitosan on Intestinal Inflammation in Weaned Pigs Challenged by Enterotoxigenic <i>Escherichia coli</i> . <i>PLoS ONE</i> , 2014, 9, e104192.	2.5	65
61	Leucine in Obesity: Therapeutic Prospects. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 714-727.	8.7	64
62	Variant innate immune responses of mammary epithelial cells to challenge by <i>Staphylococcus aureus</i> , <i>Escherichia coli</i> and the regulating effect of taurine on these bioprocesses. <i>Free Radical Biology and Medicine</i> , 2016, 96, 166-180.	2.9	64
63	Endogenous Synthesis of Amino Acids Limits Growth, Lactation, and Reproduction in Animals. <i>Advances in Nutrition</i> , 2016, 7, 331-342.	6.4	64
64	What Is the Impact of Diet on Nutritional Diarrhea Associated with Gut Microbiota in Weaning Piglets: A System Review. <i>BioMed Research International</i> , 2019, 2019, 1-14.	1.9	64
65	Energy metabolism in intestinal epithelial cells during maturation along the crypt-villus axis. <i>Scientific Reports</i> , 2016, 6, 31917.	3.3	62
66	Effect of High Dietary Tryptophan on Intestinal Morphology and Tight Junction Protein of Weaned Pig. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	58
67	Methionine restriction on lipid metabolism and its possible mechanisms. <i>Amino Acids</i> , 2016, 48, 1533-1540.	2.7	58
68	Effects of dietary protein/energy ratio on growth performance, carcass trait, meat quality, and plasma metabolites in pigs of different genotypes. <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 36.	5.3	57
69	Developmental changes in intercellular junctions and Kv channels in the intestine of piglets during the suckling and post-weaning periods. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 4.	5.3	57
70	Amino acid metabolism in the portal-drained viscera of young pigs: effects of dietary supplementation with chitosan and pea hull. <i>Amino Acids</i> , 2010, 39, 1581-1587.	2.7	56
71	l-Glutamine and l-arginine protect against enterotoxigenic <i>Escherichia coli</i> infection via intestinal innate immunity in mice. <i>Amino Acids</i> , 2017, 49, 1945-1954.	2.7	56
72	Dietary proline supplementation alters colonic luminal microbiota and bacterial metabolite composition between days 45 and 70 of pregnancy in Huanjiang mini-pigs. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 18.	5.3	56

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73	Melatonin Alleviates Neuroinflammation and Metabolic Disorder in DSS-Induced Depression Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-17.	4.0	56
74	Metabolic control of myofibers: promising therapeutic target for obesity and type 2 diabetes. <i>Obesity Reviews</i> , 2017, 18, 647-659.	6.5	55
75	Gut microbiota mediates the protective effects of dietary β -hydroxy α -methylbutyrate (HMB) against obesity induced by high-fat diets. <i>FASEB Journal</i> , 2019, 33, 10019-10033.	0.5	55
76	Methionine restriction on oxidative stress and immune response in dss-induced colitis mice. <i>Oncotarget</i> , 2017, 8, 44511-44520.	1.8	55
77	Health-Promoting Properties of <i>Eucommia ulmoides</i> : A Review. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-9.	1.2	54
78	Glutamine-Induced Secretion of Intestinal Secretory Immunoglobulin A: A Mechanistic Perspective. <i>Frontiers in Immunology</i> , 2016, 7, 503.	4.8	54
79	Aflatoxin B1, zearalenone and deoxynivalenol in feed ingredients and complete feed from different Province in China. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 63.	5.3	54
80	Roles of amino acids in preventing and treating intestinal diseases: recent studies with pig models. <i>Amino Acids</i> , 2017, 49, 1277-1291.	2.7	54
81	Beyond immunity: The Imd pathway as a coordinator of host defense, organismal physiology and behavior. <i>Developmental and Comparative Immunology</i> , 2018, 83, 51-59.	2.3	54
82	Natural Products from Mammalian Gut Microbiota. <i>Trends in Biotechnology</i> , 2019, 37, 492-504.	9.3	54
83	Nutritional and regulatory roles of leucine in muscle growth and fat reduction. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 796-813.	3.0	53
84	Implication of G Protein-Coupled Receptor 43 in Intestinal Inflammation: A Mini-Review. <i>Frontiers in Immunology</i> , 2018, 9, 1434.	4.8	51
85	Crosstalk between Tryptophan Metabolism and Cardiovascular Disease, Mechanisms, and Therapeutic Implications. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-5.	4.0	50
86	Dietary L-Arginine Supplementation Protects Weanling Pigs from Deoxynivalenol-Induced Toxicity. <i>Toxins</i> , 2015, 7, 1341-1354.	3.4	49
87	Effects of supplementation with branched-chain amino acids to low-protein diets on expression of genes related to lipid metabolism in skeletal muscle of growing pigs. <i>Amino Acids</i> , 2016, 48, 2131-2144.	2.7	49
88	The Evaluation of Antioxidant and Anti-Inflammatory Effects of <i>Eucommia ulmoides</i> Flavones Using Diquat-Challenged Piglet Models. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-9.	4.0	49
89	Betaine Inhibits Interleukin- 1β Production and Release: Potential Mechanisms. <i>Frontiers in Immunology</i> , 2018, 9, 2670.	4.8	49
90	Dietary Glutamate Supplementation Ameliorates Mycotoxin-Induced Abnormalities in the Intestinal Structure and Expression of Amino Acid Transporters in Young Pigs. <i>PLoS ONE</i> , 2014, 9, e112357.	2.5	47

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91	Low-molecular-weight fractions of Alcalase hydrolyzed egg ovomucin extract exert anti-inflammatory activity in human dermal fibroblasts through the inhibition of tumor necrosis factor α -mediated nuclear factor κ B pathway. <i>Nutrition Research</i> , 2016, 36, 648-657.	2.9	46
92	Protein restriction and cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1869, 256-262.	7.4	45
93	Effects of Weaning on Intestinal Upper Villus Epithelial Cells of Piglets. <i>PLoS ONE</i> , 2016, 11, e0150216.	2.5	44
94	Effects of weaning on intestinal crypt epithelial cells in piglets. <i>Scientific Reports</i> , 2016, 6, 36939.	3.3	44
95	Effects of dietary ramie powder at various levels on carcass traits and meat quality in finishing pigs. <i>Meat Science</i> , 2018, 143, 52-59.	5.5	44
96	Macleaya cordata extract alleviated oxidative stress and altered innate immune response in mice challenged with enterotoxigenic Escherichia coli. <i>Science China Life Sciences</i> , 2019, 62, 1019-1027.	4.9	44
97	Functional probiotics of lactic acid bacteria from Hu sheep milk. <i>BMC Microbiology</i> , 2020, 20, 228.	3.3	44
98	GABA transporter sustains IL-1 β production in macrophages. <i>Science Advances</i> , 2021, 7, .	10.3	44
99	Nox2 impairs VEGF-A-induced angiogenesis in placenta via mitochondrial ROS-STAT3 pathway. <i>Redox Biology</i> , 2021, 45, 102051.	9.0	44
100	Effect of dietary soy oil, glucose, and glutamine on growth performance, amino acid profile, blood profile, immunity, and antioxidant capacity in weaned piglets. <i>Science China Life Sciences</i> , 2018, 61, 1233-1242.	4.9	43
101	Effects of Dietary Serine Supplementation on Intestinal Integrity, Inflammation and Oxidative Status in Early-Weaned Piglets. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 993-1002.	1.6	43
102	Differential Analysis of Gut Microbiota Correlated With Oxidative Stress in Sows With High or Low Litter Performance During Lactation. <i>Frontiers in Microbiology</i> , 2018, 9, 1665.	3.5	43
103	Single-Stranded DNA-Binding Protein and Exogenous RecBCD Inhibitors Enhance Phage-Derived Homologous Recombination in Pseudomonas. <i>IScience</i> , 2019, 14, 1-14.	4.1	43
104	Effects of dietary gamma-aminobutyric acid supplementation on the intestinal functions in weaning piglets. <i>Food and Function</i> , 2019, 10, 366-378.	4.6	42
105	Dietary supplementation with polysaccharides from Semen cassiae enhances immunoglobulin production and interleukin gene expression in early-weaned piglets. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 1868-1873.	3.5	41
106	Effect of branched-chain amino acid ratio on the proliferation, differentiation, and expression levels of key regulators involved in protein metabolism of myocytes. <i>Nutrition</i> , 2017, 36, 8-16.	2.4	41
107	Metabolic Regulation of Methionine Restriction in Diabetes. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700951.	3.3	41
108	Glucose and amino acid in enterocyte absorption metabolism and maturation. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 1721-1739.	3.0	41

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109	Unraveling the association of fecal microbiota and oxidative stress with stillbirth rate of sows. <i>Theriogenology</i> , 2019, 136, 131-137.	2.1	41
110	Impacts of Birth Weight on Plasma, Liver and Skeletal Muscle Neutral Amino Acid Profiles and Intestinal Amino Acid Transporters in Suckling Huanjiang Mini-Piglets. <i>PLoS ONE</i> , 2012, 7, e50921.	2.5	41
111	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> , 2015, 309, G229-G237.	3.4	40
112	Polyamines: therapeutic perspectives in oxidative stress and inflammatory diseases. <i>Amino Acids</i> , 2017, 49, 1457-1468.	2.7	40
113	Dietary vitamin E affects small intestinal histomorphology, digestive enzyme activity, and the expression of nutrient transporters by inhibiting proliferation of intestinal epithelial cells within jejunum in weaned piglets. <i>Journal of Animal Science</i> , 2019, 97, 1212-1221.	0.5	40
114	An NMR-Based Metabolomic Approach to Investigate the Effects of Supplementation with Glutamic Acid in Piglets Challenged with Deoxynivalenol. <i>PLoS ONE</i> , 2014, 9, e113687.	2.5	40
115	Dietary protein intake affects expression of genes for lipid metabolism in porcine skeletal muscle in a genotype-dependent manner. <i>British Journal of Nutrition</i> , 2015, 113, 1069-1077.	2.3	39
116	Enterotoxigenic <i>Escherichia coli</i> infection induces intestinal epithelial cell autophagy. <i>Veterinary Microbiology</i> , 2014, 171, 160-164.	1.9	38
117	L-Arginine improves DNA synthesis in LPS-challenged enterocytes. <i>Frontiers in Bioscience - Landmark</i> , 2015, 20, 989-1003.	3.0	38
118	Effects of Lysine deficiency and Lys-Lys dipeptide on cellular apoptosis and amino acids metabolism. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600754.	3.3	38
119	Maternal Diet-Induced Obesity Compromises Oxidative Stress Status and Angiogenesis in the Porcine Placenta by Upregulating Nox2 Expression. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-13.	4.0	38
120	Dietary microRNA-143: A Novel Functional Component of Food. <i>Advances in Nutrition</i> , 2019, 10, 711-721.	6.4	38
121	Leucine Supplementation: A Novel Strategy for Modulating Lipid Metabolism and Energy Homeostasis. <i>Nutrients</i> , 2020, 12, 1299.	4.1	38
122	Effects of Alpha-Ketoglutarate on Glutamine Metabolism in Piglet Enterocytes in Vivo and in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2668-2673.	5.2	36
123	Paper-Based Microfluidic Device (DON-Chip) for Rapid and Low-Cost Deoxynivalenol Quantification in Food, Feed, and Feed Ingredients. <i>ACS Sensors</i> , 2019, 4, 3072-3079.	7.8	36
124	The profiles of mitochondrial respiration and glycolysis using extracellular flux analysis in porcine enterocyte IPEC-J2. <i>Animal Nutrition</i> , 2015, 1, 239-243.	5.1	35
125	AMPK/Î±-Ketoglutarate Axis Regulates Intestinal Water and Ion Homeostasis in Young Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2287-2298.	5.2	35
126	Long-Term l-Serine Administration Reduces Food Intake and Improves Oxidative Stress and Sirt1/NFÎ±B Signaling in the Hypothalamus of Aging Mice. <i>Frontiers in Endocrinology</i> , 2018, 9, 476.	3.5	35

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127	Placental Angiogenesis in Mammals: A Review of the Regulatory Effects of Signaling Pathways and Functional Nutrients. <i>Advances in Nutrition</i> , 2021, 12, 2415-2434.	6.4	35
128	Supplementation of the sow diet with chitosan oligosaccharide during late gestation and lactation affects hepatic gluconeogenesis of suckling piglets. <i>Animal Reproduction Science</i> , 2015, 159, 109-117.	1.5	34
129	Effect of deoxynivalenol on apoptosis, barrier function, and expression levels of genes involved in nutrient transport, mitochondrial biogenesis and function in IPEC-J2 cells. <i>Toxicology Research</i> , 2017, 6, 866-877.	2.1	34
130	Hyperhomocysteinemia and cardiovascular disease in animal model. <i>Amino Acids</i> , 2018, 50, 3-9.	2.7	34
131	Cecropin A Modulates Tight Junction-Related Protein Expression and Enhances the Barrier Function of Porcine Intestinal Epithelial Cells by Suppressing the MEK/ERK Pathway. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1941.	4.1	34
132	Effects of dietary lysozyme levels on growth performance, intestinal morphology, immunity response and microbiota community of growing pigs. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 1643-1650.	3.5	34
133	<i>Macleaya cordata</i> Extract Decreased Diarrhea Score and Enhanced Intestinal Barrier Function in Growing Piglets. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	33
134	Free Amino Acid Profile and Expression of Genes Implicated in Protein Metabolism in Skeletal Muscle of Growing Pigs Fed Low-Protein Diets Supplemented with Branched-Chain Amino Acids. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9390-9400.	5.2	33
135	Administration of alpha-ketoglutarate improves epithelial restitution under stress injury in early-weaning piglets. <i>Oncotarget</i> , 2017, 8, 91965-91978.	1.8	33
136	Effects of dietary lysine restriction on inflammatory responses in piglets. <i>Scientific Reports</i> , 2018, 8, 2451.	3.3	33
137	Effect of Dietary Copper on Intestinal Microbiota and Antimicrobial Resistance Profiles of <i>Escherichia coli</i> in Weaned Piglets. <i>Frontiers in Microbiology</i> , 2019, 10, 2808.	3.5	33
138	Rapid Communication: The relationship of enterocyte proliferation with intestinal morphology and nutrient digestibility in weaning piglets. <i>Journal of Animal Science</i> , 2019, 97, 353-358.	0.5	33
139	Evaluation of alginate-whey protein microcapsules for intestinal delivery of lipophilic compounds in pigs. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 2674-2681.	3.5	32
140	The effect of aspartate supplementation on the microbial composition and innate immunity on mice. <i>Amino Acids</i> , 2017, 49, 2045-2051.	2.7	32
141	Redox Properties of Tryptophan Metabolism and the Concept of Tryptophan Use in Pregnancy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1595.	4.1	32
142	Dietary butyrate glycerides modulate intestinal microbiota composition and serum metabolites in broilers. <i>Scientific Reports</i> , 2018, 8, 4940.	3.3	32
143	Highly sensitive determination of L-tyrosine in pig serum based on ultrathin CuS nanosheets composite electrode. <i>Biosensors and Bioelectronics</i> , 2019, 140, 111356.	10.1	32
144	Prevention of Oxidative Stress by L-Ketoglutarate via Activation of CAR Signaling and Modulation of the Expression of Key Antioxidant-Associated Targets in Vivo and in Vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11273-11283.	5.2	31

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145	Metabolomic Profiles Reveal Potential Factors that Correlate with Lactation Performance in Sow Milk. <i>Scientific Reports</i> , 2018, 8, 10712.	3.3	31
146	Glutamate and aspartate alleviate testicular/epididymal oxidative stress by supporting antioxidant enzymes and immune defense systems in boars. <i>Science China Life Sciences</i> , 2020, 63, 116-124.	4.9	31
147	Dietary vitamin A affects growth performance, intestinal development, and functions in weaned piglets by affecting intestinal stem cells. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	31
148	An electrochemical impedimetric sensing platform based on a peptide aptamer identified by high-throughput molecular docking for sensitive L-arginine detection. <i>Bioelectrochemistry</i> , 2021, 137, 107634.	4.6	31
149	Roles of Dietary Amino Acids and Their Metabolites in Pathogenesis of Inflammatory Bowel Disease. <i>Mediators of Inflammation</i> , 2017, 2017, 1-9.	3.0	30
150	Effects of vitamin B6 on growth, diarrhea rate, intestinal morphology, function, and inflammatory factors expression in a high-protein diet fed to weaned piglets1. <i>Journal of Animal Science</i> , 2019, 97, 4865-4874.	0.5	30
151	Slc6a13 deficiency promotes Th17 responses during intestinal bacterial infection. <i>Mucosal Immunology</i> , 2019, 12, 531-544.	6.0	30
152	Effects of dietary protein restriction on muscle fiber characteristics and mTORC1 pathway in the skeletal muscle of growing-finishing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 47.	5.3	29
153	Diurnal variations in iron concentrations and expression of genes involved in iron absorption and metabolism in pigs. <i>Biochemical and Biophysical Research Communications</i> , 2017, 490, 1210-1214.	2.1	29
154	Alpha-ketoglutarate suppresses the NF- κ B-mediated inflammatory pathway and enhances the PXR-regulated detoxification pathway. <i>Oncotarget</i> , 2017, 8, 102974-102988.	1.8	29
155	Dietary <i>Saccharomyces cerevisiae</i> Cell Wall Extract Supplementation Alleviates Oxidative Stress and Modulates Serum Amino Acids Profiles in Weaned Piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-7.	4.0	29
156	Glutamine supplementation improves intestinal cell proliferation and stem cell differentiation in weanling mice. <i>Food and Nutrition Research</i> , 2018, 62, .	2.6	29
157	Dietary mulberry leaf powder affects growth performance, carcass traits and meat quality in finishing pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 1934-1945.	2.2	29
158	Placentae for Low Birth Weight Piglets Are Vulnerable to Oxidative Stress, Mitochondrial Dysfunction, and Impaired Angiogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-12.	4.0	29
159	Mulberry leaf powder regulates antioxidative capacity and lipid metabolism in finishing pigs. <i>Animal Nutrition</i> , 2021, 7, 421-429.	5.1	29
160	Metabolomics study of metabolic variations in enterotoxigenic <i>Escherichia coli</i> -infected piglets. <i>RSC Advances</i> , 2015, 5, 59550-59555.	3.6	28
161	Methionine deficiency reduces autophagy and accelerates death in intestinal epithelial cells infected with enterotoxigenic <i>Escherichia coli</i> . <i>Amino Acids</i> , 2015, 47, 2199-2204.	2.7	28
162	Chlorogenic acid ameliorates endotoxin-induced liver injury by promoting mitochondrial oxidative phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 469, 1083-1089.	2.1	28

#	ARTICLE	IF	CITATIONS
163	Exploring polyamines: Functions in embryo/fetal development. <i>Animal Nutrition</i> , 2017, 3, 7-10.	5.1	28
164	Effects of dietary nutrient levels on microbial community composition and diversity in the ileal contents of pregnant Huanjiang mini-pigs. <i>PLoS ONE</i> , 2017, 12, e0172086.	2.5	28
165	Different Proportions of Branched-Chain Amino Acids Modulate Lipid Metabolism in a Finishing Pig Model. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 7037-7048.	5.2	28
166	Involvement of calcium-sensing receptor activation in the alleviation of intestinal inflammation in a piglet model by dietary aromatic amino acid supplementation. <i>British Journal of Nutrition</i> , 2018, 120, 1321-1331.	2.3	27
167	Dietary sulfur amino acids affect jejunal cell proliferation and functions by affecting antioxidant capacity, Wnt/ β -catenin, and the mechanistic target of rapamycin signaling pathways in weaning piglets. <i>Journal of Animal Science</i> , 2018, 96, 5124-5133.	0.5	27
168	Effects of <i>Enterococcus faecalis</i> on egg production, egg quality and caecal microbiota of hens during the late laying period. <i>Archives of Animal Nutrition</i> , 2019, 73, 208-221.	1.8	27
169	Sulfur-containing amino acid supplementation to gilts from late pregnancy to lactation altered offspring's intestinal microbiota and plasma metabolites. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1227-1242.	3.6	27
170	Effects of L-proline on the Growth Performance, and Blood Parameters in Weaned Lipopolysaccharide (LPS)-challenged Pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 1150-1156.	2.4	26
171	Proteome analysis for the global proteins in the jejunum tissues of enterotoxigenic <i>Escherichia coli</i> -infected piglets. <i>Scientific Reports</i> , 2016, 6, 25640.	3.3	26
172	Using rice as a remediating plant to deplete bioavailable arsenic from paddy soils. <i>Environment International</i> , 2020, 141, 105799.	10.0	26
173	New Quantitative Structure-Activity Relationship Model for Angiotensin-Converting Enzyme Inhibitory Dipeptides Based on Integrated Descriptors. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9774-9781.	5.2	26
174	Effects of Low-Protein Diets Supplemented with Branched-Chain Amino Acid on Lipid Metabolism in White Adipose Tissue of Piglets. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 2839-2848.	5.2	25
175	l-Glutamine Attenuates Apoptosis Induced by Endoplasmic Reticulum Stress by Activating the IRE1 α -XBP1 Axis in IPEC-J2: A Novel Mechanism of l-Glutamine in Promoting Intestinal Health. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2617.	4.1	25
176	Alteration of muscle fiber characteristics and the AMPK-SIRT1-PGC-1 α axis in skeletal muscle of growing pigs fed low-protein diets with varying branched-chain amino acid ratios. <i>Oncotarget</i> , 2017, 8, 107011-107021.	1.8	25
177	Dietary Supplementation With Leucine or in Combination With Arginine Decreases Body Fat Weight and Alters Gut Microbiota Composition in Finishing Pigs. <i>Frontiers in Microbiology</i> , 2019, 10, 1767.	3.5	25
178	Effect of Dietary Selenium Yeast Supplementation on Porcine Circovirus Type 2 (PCV2) Infections in Mice. <i>PLoS ONE</i> , 2015, 10, e0115833.	2.5	25
179	Toxicity assessment of hydrogen peroxide on Toll-like receptor system, apoptosis, and mitochondrial respiration in piglets and IPEC-J2 cells. <i>Oncotarget</i> , 2017, 8, 3124-3131.	1.8	25
180	Alpha-ketoglutarate (AKG) lowers body weight and affects intestinal innate immunity through influencing intestinal microbiota. <i>Oncotarget</i> , 2017, 8, 38184-38192.	1.8	25

#	ARTICLE	IF	CITATIONS
181	Myokine interleukin-15 expression profile is different in suckling and weaning piglets. <i>Animal Nutrition</i> , 2015, 1, 30-35.	5.1	24
182	N-Acetyl-L-cysteine Protects the Enterocyte against Oxidative Damage by Modulation of Mitochondrial Function. <i>Mediators of Inflammation</i> , 2016, 2016, 1-9.	3.0	24
183	Protein-Restricted Diet Regulates Lipid and Energy Metabolism in Skeletal Muscle of Growing Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9412-9420.	5.2	24
184	The effects of dietary sulfur amino acids on growth performance, intestinal morphology, enzyme activity, and nutrient transporters in weaning piglets. <i>Journal of Animal Science</i> , 2018, 96, 1130-1139.	0.5	24
185	Intrauterine growth restriction alters growth performance, plasma hormones, and small intestinal microbial communities in growing-finishing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 86.	5.3	24
186	The relationship between villous height and growth performance, small intestinal mucosal enzymes activities and nutrient transporters expression in weaned piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 606-615.	2.2	24
187	Ellagic acid ameliorates paraquat-induced liver injury associated with improved gut microbial profile. <i>Environmental Pollution</i> , 2022, 293, 118572.	7.5	24
188	Both Dietary Supplementation with Monosodium L-Glutamate and Fat Modify Circulating and Tissue Amino Acid Pools in Growing Pigs, but with Little Interactive Effect. <i>PLoS ONE</i> , 2014, 9, e84533.	2.5	23
189	Draft Genome Sequence of Enterotoxigenic <i>Escherichia coli</i> Strain W25K. <i>Genome Announcements</i> , 2014, 2, .	0.8	23
190	Modulatory Mechanism of Polyphenols and Nrf2 Signaling Pathway in LPS Challenged Pregnancy Disorders. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-14.	4.0	23
191	Protective effect of chicken egg yolk immunoglobulins (IgY) against enterotoxigenic <i>Escherichia coli</i> K88 adhesion in weaned piglets. <i>BMC Veterinary Research</i> , 2019, 15, 234.	1.9	23
192	Comparisons of carcass traits, meat quality, and serum metabolome between Shaziling and Yorkshire pigs. <i>Animal Nutrition</i> , 2022, 8, 125-134.	5.1	23
193	Dietary Enteromorpha Polysaccharide Enhances Intestinal Immune Response, Integrity, and Caecal Microbial Activity of Broiler Chickens. <i>Frontiers in Nutrition</i> , 2021, 8, 783819.	3.7	23
194	The role of Ca ²⁺ mediated signaling pathways on the effect of taurine against <i>Streptococcus uberis</i> infection. <i>Veterinary Microbiology</i> , 2016, 192, 26-33.	1.9	22
195	Tryptophan Supplementation Increases Reproduction Performance, Milk Yield, and Milk Composition in Lactating Sows and Growth Performance of Their Piglets. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 5096-5104.	5.2	22
196	Dietary Lysozyme Alters Sow's Gut Microbiota, Serum Immunity and Milk Metabolite Profile. <i>Frontiers in Microbiology</i> , 2019, 10, 177.	3.5	22
197	GABA attenuates ETEC-induced intestinal epithelial cell apoptosis involving GABA _A signaling and the AMPK-autophagy pathway. <i>Food and Function</i> , 2019, 10, 7509-7522.	4.6	22
198	D-Galactose Induces Chronic Oxidative Stress and Alters Gut Microbiota in Weaned Piglets. <i>Frontiers in Physiology</i> , 2021, 12, 634283.	2.8	22

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199	AMPK Regulation of Glucose, Lipid and Protein Metabolism: Mechanisms and Nutritional Significance. <i>Current Protein and Peptide Science</i> , 2017, 18, 562-570.	1.4	22
200	Differences in Gut Microbial and Serum Biochemical Indices Between Sows With Different Productive Capacities During Perinatal Period. <i>Frontiers in Microbiology</i> , 2019, 10, 3047.	3.5	22
201	Interferon Tau Affects Mouse Intestinal Microbiota and Expression of IL-17. <i>Mediators of Inflammation</i> , 2016, 2016, 1-9.	3.0	21
202	Chlorogenic acid from honeysuckle improves hepatic lipid dysregulation and modulates hepatic fatty acid composition in rats with chronic endotoxin infusion. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2016, 58, 146-155.	1.4	21
203	Supplementation of branched-chain amino acids in protein-restricted diets modulates the expression levels of amino acid transporters and energy metabolism associated regulators in the adipose tissue of growing pigs. <i>Animal Nutrition</i> , 2016, 2, 24-32.	5.1	21
204	Diurnal variations in polyunsaturated fatty acid contents and expression of genes involved in their de novo synthesis in pigs. <i>Biochemical and Biophysical Research Communications</i> , 2017, 483, 430-434.	2.1	21
205	Dietary supplementation with fermented Mao-tai lees beneficially affects gut microbiota structure and function in pigs. <i>AMB Express</i> , 2019, 9, 26.	3.0	21
206	Effects of dietary supplementation with epidermal growth factor on nutrient digestibility, intestinal development and expression of nutrient transporters in early-weaned piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 618-625.	2.2	21
207	Uridine/UMP metabolism and their function on the gut in segregated early weaned piglets. <i>Food and Function</i> , 2019, 10, 4081-4089.	4.6	21
208	Effects of Paper Mulberry (<i>Broussonetia papyrifera</i>) Leaf Extract on Growth Performance and Fecal Microflora of Weaned Piglets. <i>BioMed Research International</i> , 2020, 2020, 1-12.	1.9	21
209	Intestinal accumulation of microbiota-produced succinate caused by loss of microRNAs leads to diarrhea in weanling piglets. <i>Gut Microbes</i> , 2022, 14, .	9.8	21
210	Characterization and Regulation of the Amino Acid Transporter SNAT2 in the Small Intestine of Piglets. <i>PLoS ONE</i> , 2015, 10, e0128207.	2.5	20
211	Ethanolamine enhances the proliferation of intestinal epithelial cells via the mTOR signaling pathway and mitochondrial function. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2016, 52, 562-567.	1.5	20
212	Functions of pregnane X receptor in self-detoxification. <i>Amino Acids</i> , 2017, 49, 1999-2007.	2.7	20
213	Mitochondrial pathway is involved in the protective effects of alpha-ketoglutarate on hydrogen peroxide induced damage to intestinal cells. <i>Oncotarget</i> , 2017, 8, 74820-74835.	1.8	20
214	Optimal branched-chain amino acid ratio improves cell proliferation and protein metabolism of porcine enterocytes in vivo and in vitro. <i>Nutrition</i> , 2018, 54, 173-181.	2.4	20
215	Dietary energy sources during late gestation and lactation of sows: effects on performance, glucolipid metabolism, oxidative status of sows, and their offspring1. <i>Journal of Animal Science</i> , 2019, 97, 4608-4618.	0.5	20
216	Role of Dietary Amino Acids and Nutrient Sensing System in Pregnancy Associated Disorders. <i>Frontiers in Pharmacology</i> , 2020, 11, 586979.	3.5	20

#	ARTICLE	IF	CITATIONS
217	Effects of vitamin B6 on the growth performance, intestinal morphology, and gene expression in weaned piglets that are fed a low-protein diet ¹ . <i>Journal of Animal Science</i> , 2020, 98, .	0.5	20
218	Yeast-based nucleotide supplementation in mother sows modifies the intestinal barrier function and immune response of neonatal pigs. <i>Animal Nutrition</i> , 2021, 7, 84-93.	5.1	20
219	Resveratrol Improves Growth Performance, Intestinal Morphology, and Microbiota Composition and Metabolism in Mice. <i>Frontiers in Microbiology</i> , 2021, 12, 726878.	3.5	20
220	Acute and sub-acute oral toxicological evaluations and mutagenicity of N-carbamylglutamate (NCG). <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 296-302.	2.7	19
221	Differential proteome analysis along jejunal crypt-villus axis in piglets. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 343-363.	3.0	19
222	Alpha-ketoglutarate enhances milk protein synthesis by porcine mammary epithelial cells. <i>Amino Acids</i> , 2016, 48, 2179-2188.	2.7	19
223	Pig models on intestinal development and therapeutics. <i>Amino Acids</i> , 2017, 49, 2099-2106.	2.7	19
224	$\hat{1}^2$ -Hydroxy- $\hat{1}^2$ -methyl Butyrate Is More Potent Than Leucine in Inhibiting Starvation-Induced Protein Degradation in C2C12 Myotubes. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 170-176.	5.2	19
225	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> , 2021, 7, 111-118.	5.1	19
226	Taurine Reprograms Mammary-Gland Metabolism and Alleviates Inflammation Induced by <i>Streptococcus uberis</i> in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 696101.	4.8	19
227	Toxicological evaluation of ferrous N-carbamylglycinate chelate: Acute, Sub-acute toxicity and mutagenicity. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 644-651.	2.7	18
228	Alanyl-glutamine but not glycyl-glutamine improved the proliferation of enterocytes as glutamine substitution in vitro. <i>Amino Acids</i> , 2017, 49, 2023-2031.	2.7	18
229	Effect of dietary α -ketoglutarate and allicin supplementation on the composition and diversity of the cecal microbial community in growing pigs. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 5816-5821.	3.5	18
230	Use of coated nano zinc oxide as an additive to improve the zinc excretion and intestinal morphology of growing pigs ¹ . <i>Journal of Animal Science</i> , 2019, 97, 1772-1783.	0.5	18
231	Comparison of Oral and Parenteral Iron Administration on Iron Homeostasis, Oxidative and Immune Status in Anemic Neonatal Pigs. <i>Biological Trace Element Research</i> , 2020, 195, 117-124.	3.5	18
232	Molecular cloning, tissue distribution and ontogenetic expression of Xiang pig Chemerin and its involvement in regulating energy metabolism through Akt and ERK1/2 signaling pathways. <i>Molecular Biology Reports</i> , 2012, 39, 1887-1894.	2.3	17
233	Effects of the Sequence of Isocaloric Meals with Different Protein Contents on Plasma Biochemical Indexes in Pigs. <i>PLoS ONE</i> , 2015, 10, e0125640.	2.5	17
234	Melatonin alters amino acid metabolism and inflammatory responses in colitis mice. <i>Amino Acids</i> , 2017, 49, 2065-2071.	2.7	17

#	ARTICLE	IF	CITATIONS
235	Effects of a daily three-meal pattern with different dietary protein contents on pig growth performance, carcass and muscle quality traits. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 415-421.	3.5	17
236	Extraction of DNA from complex biological sample matrices using guanidinium ionic liquid modified magnetic nanocomposites. <i>RSC Advances</i> , 2019, 9, 23119-23128.	3.6	17
237	The production of short chain fatty acid and colonic development in weaning piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 1530-1537.	2.2	17
238	Arsenic removal from flooded paddy soil with spontaneous hygrophyte markedly attenuates rice grain arsenic. <i>Environment International</i> , 2019, 133, 105159.	10.0	17
239	Epidermal growth factor improves intestinal morphology by stimulating proliferation and differentiation of enterocytes and mTOR signaling pathway in weaning piglets. <i>Science China Life Sciences</i> , 2020, 63, 259-268.	4.9	17
240	Effect of dietary histamine on intestinal morphology, inflammatory status, and gut microbiota in yellow catfish (<i>Pelteobagrus fulvidraco</i>). <i>Fish and Shellfish Immunology</i> , 2021, 117, 95-103.	3.6	17
241	Recent advances in understanding of amino acid signaling to mTORC1 activation. <i>Frontiers in Bioscience - Landmark</i> , 2019, 24, 971-982.	3.0	17
242	<i>Escherichia coli</i> aggravates endoplasmic reticulum stress and triggers CHOP-dependent apoptosis in weaned pigs. <i>Amino Acids</i> , 2017, 49, 2073-2082.	2.7	16
243	The effects of dietary supplementation with porous zinc oxide on growth performance, intestinal microbiota, morphology, and permeability in weaned piglets. <i>Animal Science Journal</i> , 2019, 90, 1220-1228.	1.4	16
244	Small intestinal transcriptome analysis revealed changes of genes involved in nutrition metabolism and immune responses in growth retardation piglets I. <i>Journal of Animal Science</i> , 2019, 97, 3795-3808.	0.5	16
245	Recombineering <i>Pseudomonas protegens</i> CHA0: An innovative approach that improves nitrogen fixation with impressive bactericidal potency. <i>Microbiological Research</i> , 2019, 218, 58-65.	5.3	16
246	Protective effects of taurine against muscle damage induced by diquat in 35-days weaned piglets. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 56.	5.3	16
247	Gut microbiota and blood metabolomics in weaning multiparous sows: Associations with oestrous. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1155-1168.	2.2	16
248	Metabolomic analysis of the egg yolk during the embryonic development of broilers. <i>Poultry Science</i> , 2021, 100, 101014.	3.4	16
249	YTHDF1 promotes NLRP3 translation to induce intestinal epithelial cell inflammatory injury during endotoxemic shock. <i>Science China Life Sciences</i> , 2021, 64, 1988-1991.	4.9	16
250	Impacts of Amino Acids on the Intestinal Defensive System. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1265, 133-151.	1.6	16
251	Balanced branched-chain amino acids modulate meat quality by adjusting muscle fiber type conversion and intramuscular fat deposition in finishing pigs. <i>Journal of the Science of Food and Agriculture</i> , 2022, 102, 3796-3807.	3.5	16
252	Environmental Sustainability Analysis and Nutritional Strategies of Animal Production in China. <i>Annual Review of Animal Biosciences</i> , 2017, 5, 171-184.	7.4	15

#	ARTICLE	IF	CITATIONS
253	Role of D-aspartate on biosynthesis, racemization, and potential functions: A mini-review. <i>Animal Nutrition</i> , 2018, 4, 311-315.	5.1	15
254	Dietary Supplementation With Chinese Herbal Residues or Their Fermented Products Modifies the Colonic Microbiota, Bacterial Metabolites, and Expression of Genes Related to Colon Barrier Function in Weaned Piglets. <i>Frontiers in Microbiology</i> , 2018, 9, 3181.	3.5	15
255	Effects of different concentrations of coated nano zinc oxide material on fecal bacterial composition and intestinal barrier in weaned piglets. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 735-745.	3.5	15
256	Effect of dietary folate level on organ weight, digesta pH, short-chain fatty acid concentration, and intestinal microbiota of weaned piglets. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	15
257	China's low-emission pathways toward climate-neutral livestock production for animal-derived foods. <i>Innovation(China)</i> , 2022, 3, 100220.	9.1	15
258	Segmental distribution and expression of two heterodimeric amino acid transporter mRNAs in the intestine of pigs during different ages. <i>Journal of the Science of Food and Agriculture</i> , 2008, 88, 1012-1018.	3.5	14
259	The Protein and Energy Metabolic Response of Skeletal Muscle to the Low-Protein Diets in Growing Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8544-8551.	5.2	14
260	Chloroquine Downregulation of Intestinal Autophagy to Alleviate Biological Stress in Early-Weaned Piglets. <i>Animals</i> , 2020, 10, 290.	2.3	14
261	Melatonergic signalling instructs transcriptional inhibition of IFNGR2 to lessen interleukin-1 β -dependent inflammation. <i>Clinical and Translational Medicine</i> , 2022, 12, e716.	4.0	14
262	Camellia (<i>Camellia oleifera</i> bel.) seed oil reprograms gut microbiota and alleviates lipid accumulation in high fat-fed mice through the mTOR pathway. <i>Food and Function</i> , 2022, 13, 4977-4992.	4.6	14
263	DNA Methylation and the Potential Role of Methyl-Containing Nutrients in Cardiovascular Diseases. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-7.	4.0	13
264	Effects of dietary coated cysteamine hydrochloride on pork color in finishing pigs. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 1743-1750.	3.5	13
265	Metabolic and Proteomic Responses to Long-Term Protein Restriction in a Pig Model. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12571-12579.	5.2	13
266	Low-Protein Diets Decrease Porcine Nitrogen Excretion but with Restrictive Effects on Amino Acid Utilization. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8262-8271.	5.2	13
267	Effects of glutamate and aspartate on growth performance, serum amino acids, and amino acid transporters in piglets. <i>Food and Agricultural Immunology</i> , 2018, 29, 675-687.	1.4	13
268	The time of Calcium Feeding Affects the Productive Performance of Sows. <i>Animals</i> , 2019, 9, 337.	2.3	13
269	Identification of microRNA transcriptome reveals that miR-100 is involved in the renewal of porcine intestinal epithelial cells. <i>Science China Life Sciences</i> , 2019, 62, 816-828.	4.9	13
270	Effects of dynamic feeding low- and high-methionine diets on the variation of glucose and lipid metabolism-related genes in the liver of laying hens. <i>Poultry Science</i> , 2019, 98, 2231-2240.	3.4	13

#	ARTICLE	IF	CITATIONS
271	Effects of Iron Deficiency on Serum Metabolome, Hepatic Histology, and Function in Neonatal Piglets. <i>Animals</i> , 2020, 10, 1353.	2.3	13
272	Protein Level and Infantile Diarrhea in a Postweaning Piglet Model. <i>Mediators of Inflammation</i> , 2020, 2020, 1-15.	3.0	13
273	Effects of GABA Supplementation on Intestinal SIgA Secretion and Gut Microbiota in the Healthy and ETEC-Infected Weanling Piglets. <i>Mediators of Inflammation</i> , 2020, 2020, 1-17.	3.0	13
274	Dietary glutamine, glutamate, and aspartate supplementation improves hepatic lipid metabolism in post-weaning piglets. <i>Animal Nutrition</i> , 2020, 6, 124-129.	5.1	13
275	Dietary Supplementation With Chlorogenic Acid Derived From <i>Lonicera macranthoides</i> Hand-Mazz Improves Meat Quality and Muscle Fiber Characteristics of Finishing Pigs via Enhancement of Antioxidant Capacity. <i>Frontiers in Physiology</i> , 2021, 12, 650084.	2.8	13
276	Responses of Intestinal Microbiota and Immunity to Increasing Dietary Levels of Iron Using a Piglet Model. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 603392.	3.7	13
277	A review of the amino acid metabolism in placental function response to fetal loss and low birth weight in pigs. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 28.	5.3	13
278	Dietary supplementation of <i>Lonicera macranthoides</i> leaf powder improves amino acid profiles in serum and longissimus thoracis muscle of growing-finishing pigs. <i>Animal Nutrition</i> , 2016, 2, 271-275.	5.1	12
279	Effects of dietary gamma-aminobutyric acid supplementation on amino acid profile, intestinal immunity, and microbiota in ETEC-challenged piglets. <i>Food and Function</i> , 2020, 11, 9067-9074.	4.6	12
280	Effects of dose and duration of dietary copper administration on hepatic lipid peroxidation and ultrastructure alteration in piglets's model. <i>Journal of Trace Elements in Medicine and Biology</i> , 2020, 61, 126561.	3.0	12
281	Chloroquine Improves Deoxynivalenol-Induced Inflammatory Response and Intestinal Mucosal Damage in Piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-13.	4.0	12
282	Effects and interaction of dietary electrolyte balance and citric acid on the intestinal function of weaned piglets. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	12
283	Antioxidant and Anti-Inflammatory Effects of Different Zinc Sources on Diquat-Induced Oxidant Stress in a Piglet Model. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	12
284	The microbiota-gut-brain axis: A novel nutritional therapeutic target for growth retardation. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 4867-4892.	10.3	12
285	Plant Extracts in Obesity: A Role of Gut Microbiota. <i>Frontiers in Nutrition</i> , 2021, 8, 727951.	3.7	12
286	MyD88 deficiency ameliorates weight loss caused by intestinal oxidative injury in an autophagy-dependent mechanism. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022, 13, 677-695.	7.3	12
287	Maternal chitosan oligosaccharide supplementation affecting expression of circadian clock genes, and possible association with hepatic cholesterol accumulation in suckling piglets. <i>Biological Rhythm Research</i> , 2016, 47, 253-265.	0.9	11
288	Eucommia ulmoides flavones (EUF) abrogated enterocyte damage induced by LPS involved in NF- κ B signaling pathway. <i>Toxicology in Vitro</i> , 2020, 62, 104674.	2.4	11

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289	Eucommia ulmoides Flavones as Potential Alternatives to Antibiotic Growth Promoters in a Low-Protein Diet Improve Growth Performance and Intestinal Health in Weaning Piglets. <i>Animals</i> , 2020, 10, 1998.	2.3	11
290	A maternal high-fat/low-fiber diet impairs glucose tolerance and induces the formation of glycolytic muscle fibers in neonatal offspring. <i>European Journal of Nutrition</i> , 2021, 60, 2709-2718.	3.9	11
291	Effects of coated cysteamine hydrochloride on muscle fiber characteristics and amino acid composition of finishing pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 1430-1438.	2.4	11
292	Endoplasmic Reticulum Stress in Heat- and Shake-Induced Injury in the Rat Small Intestine. <i>PLoS ONE</i> , 2015, 10, e0143922.	2.5	10
293	Effects of ferrous carbamoyl glycine on iron state and absorption in an iron-deficient rat model. <i>Genes and Nutrition</i> , 2015, 10, 54.	2.5	10
294	Dietary soy isoflavones differentially regulate expression of the lipid-metabolic genes in different white adipose tissues of the female Bama mini-pigs. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 159-164.	2.1	10
295	Developmental changes in hepatic glucose metabolism in a newborn piglet model: A comparative analysis for suckling period and early weaning period. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 824-830.	2.1	10
296	Effects of dietary supplementation with cupreous N-carbamylglutamate (NCG) chelate and copper sulfate on growth performance, serum biochemical profile and immune response, tissue mineral levels and fecal excretion of mineral in weaning piglets. <i>Food and Agricultural Immunology</i> , 2017, 28, 1315-1329.	1.4	10
297	Effect of dietary copper source (inorganic vs. chelated) on immune response, mineral status, and fecal mineral excretion in nursery piglets. <i>Food and Agricultural Immunology</i> , 2018, 29, 548-563.	1.4	10
298	Pyruvate is an effective substitute for glutamate in regulating porcine nitrogen excretion. <i>Journal of Animal Science</i> , 2018, 96, 3804-3814.	0.5	10
299	Post-natal Growth Retardation Associated With Impaired Gut Hormone Profiles, Immune and Antioxidant Function in Pigs. <i>Frontiers in Endocrinology</i> , 2019, 10, 660.	3.5	10
300	Leucine alone or in combination with glutamic acid, but not with arginine, increases biceps femoris muscle and alters muscle AA transport and concentrations in fattening pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 791-800.	2.2	10
301	The effects of dietary supplementation with hyodeoxycholic acid on the differentiation and function of enteroendocrine cells and the serum biochemical indices in weaned piglets. <i>Journal of Animal Science</i> , 2019, 97, 1796-1805.	0.5	10
302	Changes in cecal morphology, cell proliferation, antioxidant enzyme, volatile fatty acids, lipopolysaccharide, and cytokines in piglets during the postweaning period. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	10
303	Dietary Moutan Cortex Radicis Improves Serum Antioxidant Capacity and Intestinal Immunity and Alters Colonic Microbiota in Weaned Piglets. <i>Frontiers in Nutrition</i> , 2021, 8, 679129.	3.7	10
304	Starch supplementation improves the reproductive performance of sows in different glucose tolerance status. <i>Animal Nutrition</i> , 2021, 7, 1231-1241.	5.1	10
305	The Effects of Butyric Acid on the Differentiation, Proliferation, Apoptosis, and Autophagy of IPEC-J2 Cells. <i>Current Molecular Medicine</i> , 2020, 20, 307-317.	1.3	10
306	Expression of apical Na ⁺ -l-glutamine co-transport activity, BO-system neutral amino acid co-transporter (BOAT1) and angiotensin-converting enzyme 2 along the jejunal crypt-villus axis in young pigs fed a liquid formula. <i>Amino Acids</i> , 2016, 48, 1491-1508.	2.7	9

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307	Effects of pro-inflammatory cytokines and antioxidants expression in the jejunum of mice induced by hydrogen peroxide. <i>International Immunopharmacology</i> , 2016, 31, 9-14.	3.8	9
308	Comparative ileal digestibility of amino acids in 00-rapeseed meal and rapeseed meal fed to growing male broilers. <i>Poultry Science</i> , 2017, 96, 2736-2742.	3.4	9
309	Effects of dietary ramie powder at various levels on growth performance, antioxidative capacity and fatty acid profile of finishing pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 103, 564-573.	2.2	9
310	Compensation effects of coated cysteamine on meat quality, amino acid composition, fatty acid composition, mineral content in dorsal muscle and serum biochemical indices in finishing pigs offered reduced trace minerals diet. <i>Science China Life Sciences</i> , 2019, 62, 1550-1553.	4.9	9
311	Influence of supplemented coated-cysteamine on morphology, apoptosis and oxidative stress status of gastrointestinal tract. <i>BMC Veterinary Research</i> , 2019, 15, 328.	1.9	9
312	Postnatal growth retardation is associated with intestinal mucosa mitochondrial dysfunction and aberrant energy status in piglets. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 10100-10111.	3.6	9
313	Effects of iron on intestinal development and epithelial maturation of suckling piglets. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	9
314	Maternal Probiotic or Synbiotic Supplementation Modulates Jejunal and Colonic Antioxidant Capacity, Mitochondrial Function, and Microbial Abundance in Bama Mini-piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-14.	4.0	9
315	A water-soluble β -glucan improves growth performance by altering gut microbiome and health in weaned pigs. <i>Animal Nutrition</i> , 2021, 7, 1345-1351.	5.1	9
316	Effects and interaction of dietary electrolyte balance and citric acid on growth performance, intestinal histomorphology, digestive enzyme activity and nutrient transporters expression of weaned piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021, 105, 272-285.	2.2	9
317	Transcriptomic analysis on responses of the liver and kidney of finishing pigs fed cadmium contaminated rice. <i>Journal of the Science of Food and Agriculture</i> , 2018, 98, 2964-2972.	3.5	9
318	Long-read assembly of the Chinese indigenous Ningxiang pig genome and identification of genetic variations in fat metabolism among different breeds. <i>Molecular Ecology Resources</i> , 2022, 22, 1508-1520.	4.8	9
319	Identification of a contact-dependent growth inhibition system in the probiotic <i>Escherichia coli</i> Nissle 1917. <i>FEMS Microbiology Letters</i> , 2018, 365, .	1.8	8
320	Circadian calcium feeding regime in laying hens related to zinc concentration, gene expression of circadian clock, calcium transporters and oxidative status. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 518-526.	3.0	8
321	Circadian rhythms and dynamic dietary calcium feeding affect laying performance, calcium and phosphorus levels in laying hens. <i>Biological Rhythm Research</i> , 2018, 49, 227-236.	0.9	8
322	The effect of dietary protein intake on immune status in pigs of different genotypes. <i>Food and Agricultural Immunology</i> , 2018, 29, 776-784.	1.4	8
323	Crosstalk Between Nuclear Glucose-Regulated Protein 78 and Tumor Protein 53 Contributes to the Lipopolysaccharide Aggravated Apoptosis of Endoplasmic Reticulum Stress-Responsive Porcine Intestinal Epithelial Cells. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 2441-2455.	1.6	8
324	Effect of chicken egg yolk immunoglobulins on serum biochemical profiles and intestinal bacterial populations in early-weaned piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 1503-1511.	2.2	8

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325	Maternal serine supply from late pregnancy to lactation improves offspring performance through modulation of metabolic pathways. <i>Food and Function</i> , 2020, 11, 8089-8098.	4.6	8
326	Dietary Insect Powder Protein Sources Improve Protein Utilization by Regulation on Intestinal Amino Acid-Chemosensing System. <i>Animals</i> , 2020, 10, 1590.	2.3	8
327	Postnatal growth retardation is associated with deteriorated intestinal mucosal barrier function using a porcine model. <i>Journal of Cellular Physiology</i> , 2021, 236, 2631-2648.	4.1	8
328	Serine Supplementation in the Diets of Late Gestating and Lactating Sows Improves Selenium Nutritional Status in Sows and Their Offspring. <i>Biological Trace Element Research</i> , 2022, 200, 609-614.	3.5	8
329	Dietary Tributyrin Administration Improves Intestinal Morphology and Selected Bacterial and Short-Chain Fatty Acid Profiles in Broilers Under an Isocaloric Feeding Regime. <i>Frontiers in Microbiology</i> , 2021, 12, 715712.	3.5	8
330	Dietary Beta-Hydroxy-Beta-Methyl Butyrate Supplementation Inhibits Hepatic Fat Deposition via Regulating Gut Microbiota in Broiler Chickens. <i>Microorganisms</i> , 2022, 10, 169.	3.6	8
331	Ferrous Bisglycinate Supplementation Modulates Intestinal Antioxidant Capacity via the AMPK/FOXO Pathway and Reconstitutes Gut Microbiota and Bile Acid Profiles in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 4942-4951.	5.2	8
332	Metabolomic analysis of intestinal epithelial cell maturation along the crypt-villus axis. <i>RSC Advances</i> , 2016, 6, 27566-27574.	3.6	7
333	Activation of Pyruvate Dehydrogenase by Sodium Dichloroacetate Shifts Metabolic Consumption from Amino Acids to Glucose in IPEC-J2 Cells and Intestinal Bacteria in Pigs. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 3793-3800.	5.2	7
334	Energy metabolism in the intestinal crypt epithelial cells of piglets during the suckling period. <i>Scientific Reports</i> , 2018, 8, 12948.	3.3	7
335	Intestinal enteroendocrine L cells in amino acid sensing and diseases. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 1740-1753.	3.0	7
336	Dynamic oral administration of uridine affects the diurnal rhythm of bile acid and cholesterol metabolism-related genes in mice. <i>Biological Rhythm Research</i> , 2019, 50, 543-552.	0.9	7
337	Molecular characterization and taurine regulation of two novel CDOs (CDO1 and CDO2) from <i>Carassius auratus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2019, 235, 54-61.	1.6	7
338	Negative effects on newborn piglets caused by excess dietary tryptophan in the morning in sows. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 3005-3016.	3.5	7
339	Dietary high protein-induced diarrhea and intestinal inflammation by activation of NF- κ B signaling in piglets. <i>Animal Nutrition</i> , 2021, 7, 1070-1077.	5.1	7
340	Probiotics and <i>Achyranthes bidentata</i> Polysaccharides Improve Growth Performance via Promoting Intestinal Nutrient Utilization and Enhancing Immune Function of Weaned Pigs. <i>Animals</i> , 2021, 11, 2617.	2.3	7
341	The role of nitric oxide pathway in arginine transport and growth of IPEC-1 cells. <i>Oncotarget</i> , 2017, 8, 29976-29983.	1.8	7
342	N-Acetyl-D-glucosamine improves the intestinal development and nutrient absorption of weaned piglets via regulating the activity of intestinal stem cells. <i>Animal Nutrition</i> , 2022, 8, 10-17.	5.1	7

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343	Changes in progenitors and differentiated epithelial cells of neonatal piglets. <i>Animal Nutrition</i> , 2022, 8, 265-276.	5.1	7
344	Regulation of the type IIb sodium-dependent phosphate cotransporter expression in the intestine. <i>Frontiers of Agriculture in China</i> , 2009, 3, 226-230.	0.2	6
345	Expression of proteins in intestinal middle villus epithelial cells of weanling piglets. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 539-557.	3.0	6
346	Effects of maternal alpha-ketoglutarate supplementation during lactation on the performance of lactating sows and suckling piglets. <i>Archives of Animal Nutrition</i> , 2019, 73, 457-471.	1.8	6
347	Advanced single-cell pooled CRISPR screening identifies C19orf53 required for cell proliferation based on mTORC1 regulators. <i>Cell Biology and Toxicology</i> , 2022, 38, 43-68.	5.3	6
348	Effects of varying dietary folic acid during weaning stress of piglets. <i>Animal Nutrition</i> , 2021, 7, 101-110.	5.1	6
349	Fullerene C60 Protects Against Intestinal Injury from Deoxynivalenol Toxicity by Improving Antioxidant Capacity. <i>Life</i> , 2021, 11, 491.	2.4	6
350	Effect of Dietary Amylose/Amylopectin Ratio on Intestinal Health and Cecal Microbes' Profiles of Weaned Pigs Undergoing Feed Transition or Challenged With <i>Escherichia coli</i> Lipopolysaccharide. <i>Frontiers in Microbiology</i> , 2021, 12, 693839.	3.5	6
351	Dietary Copper Improves Intestinal Morphology via Modulating Intestinal Stem Cell Activity in Pigs. <i>Animals</i> , 2021, 11, 2513.	2.3	6
352	The Role of Polyphenols in Regulation of Heat Shock Proteins and Gut Microbiota in Weaning Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-13.	4.0	6
353	Human interstitial cellular model in therapeutics of heart valve calcification. <i>Amino Acids</i> , 2017, 49, 1981-1997.	2.7	6
354	Understanding the Immune System in Fetal Protection and Maternal Infections during Pregnancy. <i>Journal of Immunology Research</i> , 2022, 2022, 1-12.	2.2	6
355	Effects of a two-meal daily feeding pattern with varied crude protein levels on growth performance and antioxidant indexes in pigs. <i>Animal Nutrition</i> , 2016, 2, 267-270.	5.1	5
356	Diurnal rhythm in mRNA expression of genes encoding amino acid transporter and circadian gene <i>cry</i> in intestinal mucosa of piglets. <i>Biological Rhythm Research</i> , 2017, 48, 663-671.	0.9	5
357	A Maternal Two-meal Feeding Sequence with Varying Crude Protein Affects Milk Lipid Profile in A Sow-Piglet Model. <i>Scientific Reports</i> , 2017, 7, 13742.	3.3	5
358	Fetal Huanjiang mini-pigs exhibit differences in nutrient composition according to body weight and gestational period. <i>PLoS ONE</i> , 2018, 13, e0199939.	2.5	5
359	Impact of sulfur-containing amino acids on the plasma metabolomics and intestinal microflora of the sow in late pregnancy. <i>Food and Function</i> , 2019, 10, 5910-5921.	4.6	5
360	Glutamate effects on sucking piglet intestinal morphology and luminal metabolites. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 612-617.	2.2	5

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361	Functional bioactive substance improves the growth performance, antioxidant capacity and immune function of growth retardation pigs. <i>Food and Agricultural Immunology</i> , 2020, 31, 329-340.	1.4	5
362	Effects of circadian iron administration on iron bioavailability and biological rhythm in pigs. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 2712-2717.	3.5	5
363	Effects of dietary iron level on growth performance, hematological status, and intestinal function in growing-finishing pigs. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	5
364	The Landscape of Interactions between Hypoxia-Inducible Factors and Reactive Oxygen Species in the Gastrointestinal Tract. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-9.	4.0	5
365	Molecular cloning, characterization and expression analysis of Frizzled 6 in the small intestine of pigs (<i>Sus scrofa</i>). <i>PLoS ONE</i> , 2017, 12, e0179421.	2.5	5
366	Effect of Soyabean Isoflavones Exposure on Onset of Puberty, Serum Hormone Concentration and Gene Expression in Hypothalamus, Pituitary Gland and Ovary of Female Bama Miniature Pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 1573-1582.	2.4	5
367	The Associated Regulatory Mechanisms of Zinc Lactate in Redox Balance and Mitochondrial Function of Intestinal Porcine Epithelial Cells. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-15.	4.0	5
368	Effects of Different Supplemental Levels of <i>Eucommia ulmoides</i> Leaf Extract in the Diet on Carcass Traits and Lipid Metabolism in Growingâ€“Finishing Pigs. <i>Frontiers in Veterinary Science</i> , 2021, 8, 828165.	2.2	5
369	Porcine circovirus type 2 affects the serum profile of amino acids and intestinal expression of amino acid transporters in mice. <i>RSC Advances</i> , 2015, 5, 73651-73659.	3.6	4
370	The Regulatory Role of MeAIB in Protein Metabolism and the mTOR Signaling Pathway in Porcine Enterocytes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 714.	4.1	4
371	Suckling Piglet Intestinal Enterocyte Nutrient Metabolism Changes. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 2103-2113.	1.6	4
372	Extraction and identification of the chyme proteins in the digestive tract of growing pigs. <i>Science China Life Sciences</i> , 2018, 61, 1396-1406.	4.9	4
373	Effects of stocking density on growth performance, blood parameters and immunity of growing pigs. <i>Animal Nutrition</i> , 2020, 6, 529-534.	5.1	4
374	Effect of COVID-19 on animal breeding development in China and its countermeasures. <i>Animal Frontiers</i> , 2021, 11, 39-42.	1.7	4
375	Dynamic Changes of Metabolite Profiles in Maternal Biofluids During Gestation Period in Huanjiang Mini-Pigs. <i>Frontiers in Veterinary Science</i> , 2021, 8, 636943.	2.2	4
376	Effects of Dietary Chlorogenic Acid Supplementation Derived from <i>Lonicera macranthoides</i> Hand-Mazz on Growth Performance, Free Amino Acid Profile, and Muscle Protein Synthesis in a Finishing Pig Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-14.	4.0	4
377	Effect of riboflavin on intestinal development and intestinal epithelial cell function of weaned piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2022, , .	2.2	4
378	Deposition and transport of trace mineral elements were affected by stocking density in fattening pigs. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018, 50, 566-571.	3.0	3

#	ARTICLE	IF	CITATIONS
379	Effects of dietary alpha-ketoglutarate on bacteria profiles in the faeces of lactating sows and their suckling piglets. <i>Archives of Animal Nutrition</i> , 2020, 74, 39-56.	1.8	3
380	Effects of Stearic Acid on Proliferation, Differentiation, Apoptosis, and Autophagy in Porcine Intestinal Epithelial Cells. <i>Current Molecular Medicine</i> , 2020, 20, 157-166.	1.3	3
381	Dietary Beta-Hydroxy Beta-Methyl Butyrate Supplementation Alleviates Liver Injury in Lipopolysaccharide-Challenged Piglets. <i>Oxidative Medicine and Cellular Longevity</i> , 2021, 2021, 1-9.	4.0	3
382	Nuclear Magnetic Resonance-Based Metabolomic Analysis Reveals Physiological Stage, Breed, and Diet Effects on the Intramuscular Metabolism of Amino Acids and Related Nutrients in Pigs. <i>Frontiers in Veterinary Science</i> , 2021, 8, 681192.	2.2	3
383	Effects of iron, vitamin A, and the interaction between the two nutrients on intestinal development and cell differentiation in piglets. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	3
384	Monosodium L-glutamate and fats change free fatty acid concentrations in intestinal contents and affect free fatty acid receptors express profile in growing pigs. <i>Food and Nutrition Research</i> , 2019, 63, .	2.6	3
385	Maternal iron supplementation during pregnancy affects placental function and iron status in offspring. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 71, 126950.	3.0	3
386	Effects of Different Dietary Protein Levels on the Growth Performance, Serum Biochemical Parameters, Fecal Nitrogen, and Carcass Traits of Huanjiang Mini-Pigs. <i>Frontiers in Veterinary Science</i> , 2021, 8, 777671.	2.2	3
387	Peptide inhibitors of chloride channels for treating secretory diarrhea. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 1780-1788.	3.0	2
388	Intestinal microbiota in growing pigs: effects of stocking density. <i>Food and Agricultural Immunology</i> , 2018, 29, 524-535.	1.4	2
389	Long-term ingestion of low amylose/amylopectin ratio diet affects aspects of meat quality by changing muscle fibre characteristics in growing-finishing pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 644-652.	2.2	2
390	Effects of Combined Supplementation of Conjugated Linoleic Acid, Methionine Chromium, Betaine, and Cysteamine on Meat Tenderness of Rats. <i>BioMed Research International</i> , 2020, 2020, 1-10.	1.9	2
391	Effects of different maternal feeding strategies from day 1 to day 85 of gestation on glucose tolerance and muscle development in both low and normal birth weight piglets. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 5403-5411.	3.5	2
392	Effects of <i>Amaranthus hypochondriacus</i> supplementation during gestation and lactation on the apparent total tract digestibility of nutrients, lactational feed intake, and litter performance in sows. <i>Veterinary Medicine and Science</i> , 2021, 7, 1860-1866.	1.6	2
393	Visceral distribution of the type II sodium-dependent phosphate cotransporter (NaPi-II) isomer mRNA and the expression of NaPi-IIc mRNA along the intestinal longitudinal axis in the post-weaned pig. <i>FASEB Journal</i> , 2006, 20, A1064.	0.5	2
394	Postnatal jejunal expression patterns of four major housekeeping genes in pigs are measured by the real time RT-PCR. <i>FASEB Journal</i> , 2007, 21, A1076.	0.5	2
395	Correlations of gestational hemoglobin level, placental trace elements content, and reproductive performances in pregnant sows. <i>Journal of Animal Science</i> , 2022, 100, .	0.5	2
396	Synthetic biology-driven customization of functional feed resources. <i>Trends in Biotechnology</i> , 2022, 40, 777-780.	9.3	2

#	ARTICLE	IF	CITATIONS
397	Potential nutritional healthy-aging strategy: enhanced protein metabolism by balancing branched-chain amino acids in a finishing pig model. <i>Food and Function</i> , 2022, 13, 6217-6232.	4.6	2
398	Ornithine \pm -Ketoglutarate Alleviates Inflammation via Regulating Ileal Mucosa Microbiota and Metabolites in Enterotoxigenic <i>Escherichia coli</i> -Infected Pigs. <i>Frontiers in Nutrition</i> , 0, 9, .	3.7	2
399	Is Leucine Restriction/Deprivation an Inducer of Adipose Browning? A Response to Jens Lund. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 807-808.	8.7	1
400	PSVI-40 Effects of dietary glucan on intestinal morphology, immunity response, barrier function and antioxidant capacity in weaning pigs. <i>Journal of Animal Science</i> , 2019, 97, 212-213.	0.5	1
401	Effect of dietary different energy sources on the growth performance, amino acid profile, blood profile, intestinal morphology and digestive enzyme in weaned piglets. <i>FASEB Journal</i> , 2018, 32, 812.4.	0.5	1
402	The Effects of Lauric Acid on IPEC-J2 Cell Differentiation, Proliferation, and Death. <i>Current Molecular Medicine</i> , 2020, 20, 572-581.	1.3	1
403	Paternal Zn-deficiency abolishes metabolic effects in offspring induced by diet type. <i>Animal Nutrition</i> , 2021, 8, 310-320.	5.1	1
404	Diurnal variations in methionine content and expression of certain genes involved in DNA methylation reaction in pigs. <i>Biological Rhythm Research</i> , 0, , 1-9.	0.9	0
405	353 Starch to fat ratio in piglet nutrition. <i>Journal of Animal Science</i> , 2019, 97, 124-125.	0.5	0
406	92 Postnatal growth retardation impairs intestinal mucosal barrier in piglets. <i>Journal of Animal Science</i> , 2019, 97, 78-78.	0.5	0
407	PSXIII-23 Dietary glutamine, glutamate, and aspartate supplementation improves morphology and intercellular junction of small intestine in piglets. <i>Journal of Animal Science</i> , 2019, 97, 472-474.	0.5	0
408	PSIII-11 Effect of dietary lactic acid bacteria level on reproductive performance and plasma indices in lactating sows. <i>Journal of Animal Science</i> , 2019, 97, 187-188.	0.5	0
409	Dynamic changes in circulating levels of metabolites in the portalâ€drained viscera of finishing pigs receiving acute administration of l-arginine. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 1424-1431.	2.2	0
410	The neutral amino acid transporter BO gene is upâ€regulated in the jejunal villus cells compared to crypt cells measured by quantitative realâ€time RTâ€PCR in formulaâ€fed neonatal pigs. <i>FASEB Journal</i> , 2006, 20, A1044.	0.5	0
411	Expression of the sodiumâ€glucose cotransporter SGLT1 gene along the jejunal cryptâ€villus axis measured by quantitative real time RTâ€PCR in the formulaâ€fed neonatal pig. <i>FASEB Journal</i> , 2006, 20, A1053.	0.5	0
412	The Na+â€neutral amino acid transporter ASCT2 gene is downâ€regulated along the jejunal cryptâ€villus axis quantified by realâ€time RTâ€PCR in formulaâ€fed neonatal pigs. <i>FASEB Journal</i> , 2006, 20, A1044.	0.5	0
413	Porcine jejunal alkaline phosphatase gene expression is quadratically changed during the postnatal growth examined by the quantitative realâ€time RTâ€PCR. <i>FASEB Journal</i> , 2007, 21, A1076.	0.5	0
414	Sodium and glucose coâ€transporter SGLT1 protein expression is regulated by eukaryotic protein synthetic initiation and elongation factors in the formulaâ€fed neonatal pig. <i>FASEB Journal</i> , 2007, 21, A1108.	0.5	0

#	ARTICLE	IF	CITATIONS
415	Estimating optimal true digestible Ca: P ratio for 20â€50Kg growing pigs fed a cornâ€roughâ€soybean based meals. FASEB Journal, 2008, 22, 1116.6.	0.5	0
416	Dietary Lâ€arginine supplementation can increase expression of vascular endothelial growth factor (VEGF) in earlyâ€weaned pigs. FASEB Journal, 2010, 24, 102.4.	0.5	0
417	Proteomic Analysis Reveals Crossâ€Talk of Adipocytes and Myotubes in Coâ€Culture. FASEB Journal, 2015, 29, 742.5.	0.5	0
418	Dietary coated cysteamine improves antioxidant status of muscle in pig model. FASEB Journal, 2018, 32, 767.2.	0.5	0