

Yulong Yin

List of Publications by Year in descending order

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Version: 2024-02-01

418
papers

17,717
citations

19608

61
h-index

24915

109
g-index

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.	1.9	1,221
2	Quercetin, Inflammation and Immunity. <i>Nutrients</i> , 2016, 8, 167.	1.7	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.	1.8	770
4	The role of methionine on metabolism, oxidative stress, and diseases. <i>Amino Acids</i> , 2017, 49, 2091-2098.	1.2	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.	3.4	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.	1.2	275
7	Potential Mechanisms Connecting Purine Metabolism and Cancer Therapy. <i>Frontiers in Immunology</i> , 2018, 9, 1697.	2.2	275
8	Cysteine metabolism and its nutritional implications. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 134-146.	1.5	235
9	The role of leucine and its metabolites in protein and energy metabolism. <i>Amino Acids</i> , 2016, 48, 41-51.	1.2	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.	3.2	202
11	Quorum Sensing: A Prospective Therapeutic Target for Bacterial Diseases. <i>BioMed Research International</i> , 2019, 2019, 1-15.	0.9	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.	1.9	196
13	Dietary essentiality of nutritionally non-essential amino acids for animals and humans. <i>Experimental Biology and Medicine</i> , 2015, 240, 997-1007.	1.1	195
14	l-Arginine stimulates proliferation and prevents endotoxin-induced death of intestinal cells. <i>Amino Acids</i> , 2010, 38, 1227-1235.	1.2	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.	1.3	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.	1.9	160
17	Melatonin signaling in T cells: Functions and applications. <i>Journal of Pineal Research</i> , 2017, 62, e12394.	3.4	154
18	Melatonin in macrophage biology: Current understanding and future perspectives. <i>Journal of Pineal Research</i> , 2019, 66, e12547.	3.4	152

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19	Gut Microbiota and Type 1 Diabetes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 995.	1.8	148
20	Butyrate in Energy Metabolism: There Is Still More to Learn. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 159-169.	3.1	136
21	Protective effects of N-acetylcysteine on intestinal functions of piglets challenged with lipopolysaccharide. <i>Amino Acids</i> , 2012, 43, 1233-1242.	1.2	134
22	Melatonin alleviates weanling stress in mice: Involvement of intestinal microbiota. <i>Journal of Pineal Research</i> , 2018, 64, e12448.	3.4	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.	1.1	128
24	Effects of Dietary Supplementation with Glutamate and Aspartate on Diquat-Induced Oxidative Stress in Piglets. <i>PLoS ONE</i> , 2015, 10, e0122893.	1.1	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.	1.5	127
26	Glutamine Metabolism in Macrophages: A Novel Target for Obesity/Type 2 Diabetes. <i>Advances in Nutrition</i> , 2019, 10, 321-330.	2.9	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.	1.5	121
28	Dietary Arginine Supplementation during Early Pregnancy Enhances Embryonic Survival in Rats. <i>Journal of Nutrition</i> , 2008, 138, 1421-1425.	1.3	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.	1.7	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.	1.8	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.	3.1	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.	1.2	111
33	Nutritional Intervention for the Intestinal Development and Health of Weaned Pigs. <i>Frontiers in Veterinary Science</i> , 2019, 6, 46.	0.9	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.	1.3	108
35	Amino-acid transporters in T-cell activation and differentiation. <i>Cell Death and Disease</i> , 2017, 8, e2655-e2655.	2.7	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.	1.2	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.	1.2	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.	1.1	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.	4.2	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.	1.1	91
41	mTORC1 signaling and IL-17 expression: Defining pathways and possible therapeutic targets. <i>European Journal of Immunology</i> , 2016, 46, 291-299.	1.6	91
42	Amino Acids As Mediators of Metabolic Cross Talk between Host and Pathogen. <i>Frontiers in Immunology</i> , 2018, 9, 319.	2.2	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.	1.3	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.	2.4	81
45	Oxidative stress, nutritional antioxidants and beyond. <i>Science China Life Sciences</i> , 2020, 63, 866-874.	2.3	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.	1.2	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.	1.5	79
48	The Role of Oxidative Stress and Antioxidant Balance in Pregnancy. <i>Mediators of Inflammation</i> , 2021, 2021, 1-11.	1.4	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.	2.1	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.	1.2	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.	2.2	74
52	Glutamine promotes intestinal SIgA secretion through intestinal microbiota and IL-13. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1637-1648.	1.5	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.	1.2	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.	1.2	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.	2.2	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.	2.4	68
57	Putrescine Stimulates the mTOR Signaling Pathway and Protein Synthesis in Porcine Trophectoderm Cells1. <i>Biology of Reproduction</i> , 2014, 91, 106.	1.2	66
58	Chitosan oligosaccharide affects antioxidant defense capacity and placental amino acids transport of sows. <i>BMC Veterinary Research</i> , 2016, 12, 243.	0.7	66
59	Room temperature electrocompetent bacterial cells improve DNA transformation and recombineering efficiency. <i>Scientific Reports</i> , 2016, 6, 24648.	1.6	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.	1.1	65
61	Leucine in Obesity: Therapeutic Prospects. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 714-727.	4.0	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.	1.3	64
63	Endogenous Synthesis of Amino Acids Limits Growth, Lactation, and Reproduction in Animals. <i>Advances in Nutrition</i> , 2016, 7, 331-342.	2.9	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.	0.9	64
65	Energy metabolism in intestinal epithelial cells during maturation along the crypt-villus axis. <i>Scientific Reports</i> , 2016, 6, 31917.	1.6	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.	0.9	58
67	Methionine restriction on lipid metabolism and its possible mechanisms. <i>Amino Acids</i> , 2016, 48, 1533-1540.	1.2	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.	2.1	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.	2.1	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.	1.2	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.	1.2	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.	2.1	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.	1.9	56
74	Metabolic control of myofibers: promising therapeutic target for obesity and type 2 diabetes. <i>Obesity Reviews</i> , 2017, 18, 647-659.	3.1	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.	0.2	55
76	Methionine restriction on oxidative stress and immune response in dss-induced colitis mice. <i>Oncotarget</i> , 2017, 8, 44511-44520.	0.8	55
77	Health-Promoting Properties of <i>Eucommia ulmoides</i> : A Review. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-9.	0.5	54
78	Glutamine-Induced Secretion of Intestinal Secretory Immunoglobulin A: A Mechanistic Perspective. <i>Frontiers in Immunology</i> , 2016, 7, 503.	2.2	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.	2.1	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.	1.2	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.	1.0	54
82	Natural Products from Mammalian Gut Microbiota. <i>Trends in Biotechnology</i> , 2019, 37, 492-504.	4.9	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.	2.2	51
85	Crosstalk between Tryptophan Metabolism and Cardiovascular Disease, Mechanisms, and Therapeutic Implications. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-5.	1.9	50
86	Dietary L-Arginine Supplementation Protects Weanling Pigs from Deoxynivalenol-Induced Toxicity. <i>Toxins</i> , 2015, 7, 1341-1354.	1.5	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.	1.2	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.	1.9	49
89	Betaine Inhibits Interleukin- 1β Production and Release: Potential Mechanisms. <i>Frontiers in Immunology</i> , 2018, 9, 2670.	2.2	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.	1.1	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.	1.3	46
92	Protein restriction and cancer. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1869, 256-262.	3.3	45
93	Effects of Weaning on Intestinal Upper Villus Epithelial Cells of Piglets. <i>PLoS ONE</i> , 2016, 11, e0150216.	1.1	44
94	Effects of weaning on intestinal crypt epithelial cells in piglets. <i>Scientific Reports</i> , 2016, 6, 36939.	1.6	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.	2.7	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.	2.3	44
97	Functional probiotics of lactic acid bacteria from Hu sheep milk. <i>BMC Microbiology</i> , 2020, 20, 228.	1.3	44
98	GABA transporter sustains IL-1 β production in macrophages. <i>Science Advances</i> , 2021, 7, .	4.7	44
99	Nox2 impairs VEGF-A-induced angiogenesis in placenta via mitochondrial ROS-STAT3 pathway. <i>Redox Biology</i> , 2021, 45, 102051.	3.9	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.	2.3	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.	1.1	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.	1.5	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.	1.9	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.	2.1	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.	1.7	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.	1.1	41
107	Metabolic Regulation of Methionine Restriction in Diabetes. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700951.	1.5	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.	0.9	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.	1.1	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.	1.6	40
112	Polyamines: therapeutic perspectives in oxidative stress and inflammatory diseases. <i>Amino Acids</i> , 2017, 49, 1457-1468.	1.2	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.	0.2	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.	1.1	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.	1.2	39
116	Enterotoxigenic <i>Escherichia coli</i> infection induces intestinal epithelial cell autophagy. <i>Veterinary Microbiology</i> , 2014, 171, 160-164.	0.8	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.	1.5	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.	1.9	38
120	Dietary microRNA-143: A Novel Functional Component of Food. <i>Advances in Nutrition</i> , 2019, 10, 711-721.	2.9	38
121	Leucine Supplementation: A Novel Strategy for Modulating Lipid Metabolism and Energy Homeostasis. <i>Nutrients</i> , 2020, 12, 1299.	1.7	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.	2.4	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.	4.0	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.	2.1	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.	2.4	35
126	Long-Term l-Serine Administration Reduces Food Intake and Improves Oxidative Stress and Sirt1/NF-Î±B Signaling in the Hypothalamus of Aging Mice. <i>Frontiers in Endocrinology</i> , 2018, 9, 476.	1.5	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.	2.9	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.	0.5	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.	0.9	34
130	Hyperhomocysteinemia and cardiovascular disease in animal model. <i>Amino Acids</i> , 2018, 50, 3-9.	1.2	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.	1.8	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.	1.7	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.	0.9	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.	2.4	33
135	Administration of alpha-ketoglutarate improves epithelial restitution under stress injury in early-weaning piglets. <i>Oncotarget</i> , 2017, 8, 91965-91978.	0.8	33
136	Effects of dietary lysine restriction on inflammatory responses in piglets. <i>Scientific Reports</i> , 2018, 8, 2451.	1.6	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.	1.5	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.	0.2	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.	1.7	32
140	The effect of aspartate supplementation on the microbial composition and innate immunity on mice. <i>Amino Acids</i> , 2017, 49, 2045-2051.	1.2	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.	1.8	32
142	Dietary butyrate glycerides modulate intestinal microbiota composition and serum metabolites in broilers. <i>Scientific Reports</i> , 2018, 8, 4940.	1.6	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.	5.3	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.	2.4	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.	1.6	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.	2.3	31
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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.	2.9	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.	0.4	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.	1.1	11

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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.	1.8	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.	1.1	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.	1.2	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.	1.0	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.	1.0	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.	0.7	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.	0.7	10
298	Pyruvate is an effective substitute for glutamate in regulating porcine nitrogen excretion. <i>Journal of Animal Science</i> , 2018, 96, 3804-3814.	0.2	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.	1.5	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.	1.0	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.	0.2	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, .	0.2	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.	1.6	10
304	Starch supplementation improves the reproductive performance of sows in different glucose tolerance status. <i>Animal Nutrition</i> , 2021, 7, 1231-1241.	2.1	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.	0.6	10
306	Expression of apical Na ⁺ -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.	1.2	9

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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.	1.0	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.	2.3	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.	0.7	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.	1.6	9
313	Effects of iron on intestinal development and epithelial maturation of suckling piglets. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	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.	1.9	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.	2.1	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.	1.0	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.	1.7	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.	2.2	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, .	0.7	8
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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.	0.4	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.	0.7	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.	1.1	8
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326	Dietary Insect Powder Protein Sources Improve Protein Utilization by Regulation on Intestinal Amino Acid-Chemosensing System. <i>Animals</i> , 2020, 10, 1590.	1.0	8
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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.	2.4	7
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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.	2.1	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.	1.0	7
341	The role of nitric oxide pathway in arginine transport and growth of IPEC-1 cells. <i>Oncotarget</i> , 2017, 8, 29976-29983.	0.8	7
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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
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356	Diurnal rhythm in mRNA expression of genes encoding amino acid transporter and circadian gene cry in intestinal mucosa of piglets. <i>Biological Rhythm Research</i> , 2017, 48, 663-671.	0.4	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.	1.6	5
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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.	2.1	5
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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, .	0.2	5
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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
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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.	0.9	5
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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.	2.3	4
373	Effects of stocking density on growth performance, blood parameters and immunity of growing pigs. <i>Animal Nutrition</i> , 2020, 6, 529-534.	2.1	4
374	Effect of COVID-19 on animal breeding development in China and its countermeasures. <i>Animal Frontiers</i> , 2021, 11, 39-42.	0.8	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.	0.9	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.	1.9	4
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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.	0.6	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.	1.9	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.	0.9	3
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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, .	1.2	3
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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.	0.9	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.	0.7	2
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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.	0.6	2
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395	Correlations of gestational hemoglobin level, placental trace elements content, and reproductive performances in pregnant sows. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	2
396	Synthetic biology-driven customization of functional feed resources. <i>Trends in Biotechnology</i> , 2022, 40, 777-780.	4.9	2

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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, .	1.6	2
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402	The Effects of Lauric Acid on IPEC-J2 Cell Differentiation, Proliferation, and Death. <i>Current Molecular Medicine</i> , 2020, 20, 572-581.	0.6	1
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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.	0.4	0
405	353 Starch to fat ratio in piglet nutrition. <i>Journal of Animal Science</i> , 2019, 97, 124-125.	0.2	0
406	92 Postnatal growth retardation impairs intestinal mucosal barrier in piglets. <i>Journal of Animal Science</i> , 2019, 97, 78-78.	0.2	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.	0.2	0
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416	Dietary Lâ€arginine supplementation can increase expression of vascular endothelial growth factor (VEGF) in earlyâ€weaned pigs. FASEB Journal, 2010, 24, 102.4.	0.2	0
417	Proteomic Analysis Reveals Crossâ€Talk of Adipocytes and Myotubes in Coâ€Culture. FASEB Journal, 2015, 29, 742.5.	0.2	0
418	Dietary coated cysteamine improves antioxidant status of muscle in pig model. FASEB Journal, 2018, 32, 767.2.	0.2	0