Weiyun Zhu

List of Publications by Year
in descending order

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		87723	114278
163	5,438	38	63
papers	citations	h-index	g-index

166	166	166	5201
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterising the bacterial microbiota across the gastrointestinal tracts of dairy cattle: membership and potential function. Scientific Reports, 2015, 5, 16116.	1.6	495
2	Age, introduction of solid feed and weaning are more important determinants of gut bacterial succession in piglets than breed and nursing mother as revealed by a reciprocal crossâ€fostering model. Environmental Microbiology, 2016, 18, 1566-1577.	1.8	191
3	Amino acid metabolism in intestinal bacteria and its potential implications for mammalian reproduction. Molecular Human Reproduction, 2015, 21, 389-409.	1.3	150
4	Gut Microbiota: The Brain Peacekeeper. Frontiers in Microbiology, 2016, 7, 345.	1.5	140
5	Meat, dairy and plant proteins alter bacterial composition of rat gut bacteria. Scientific Reports, 2015, 5, 15220.	1.6	130
6	The Colonic Microbiome and Epithelial Transcriptome Are Altered in Rats Fed a High-Protein Diet Compared with a Normal-Protein Diet. Journal of Nutrition, 2016, 146, 474-483.	1.3	121
7	Ruminal microbiome-host crosstalk stimulates the development of the ruminal epithelium in a lamb model. Microbiome, 2019, 7, 83.	4.9	116
8	Microbiome-Metabolome Responses in the Cecum and Colon of Pig to a High Resistant Starch Diet. Frontiers in Microbiology, 2016, 7, 779.	1.5	111
9	An integrated gene catalog and over 10,000 metagenome-assembled genomes from the gastrointestinal microbiome of ruminants. Microbiome, 2021, 9, 137.	4.9	110
10	Effects of the dietary protein level on the microbial composition and metabolomic profile in the hindgut of the pig. Anaerobe, 2016, 38, 61-69.	1.0	107
11	Differences in Microbiota Membership along the Gastrointestinal Tract of Piglets and Their Differential Alterations Following an Early-Life Antibiotic Intervention. Frontiers in Microbiology, 2017, 8, 797.	1.5	103
12	Characterization and comparison of the temporal dynamics of ruminal bacterial microbiota colonizing rice straw and alfalfa hay within ruminants. Journal of Dairy Science, 2016, 99, 9668-9681.	1.4	100
13	High-grain feeding alters caecal bacterial microbiota composition and fermentation and results in caecal mucosal injury in goats. British Journal of Nutrition, 2014, 112, 416-427.	1.2	95
14	Co-occurrence of early gut colonization in neonatal piglets with microbiota in the maternal and surrounding delivery environments. Anaerobe, 2018, 49, 30-40.	1.0	92
15	Effects of Early Intervention with Sodium Butyrate on Gut Microbiota and the Expression of Inflammatory Cytokines in Neonatal Piglets. PLoS ONE, 2016, 11, e0162461.	1.1	77
16	Responses in colonic microbial community and gene expression of pigs to a long-term high resistant starch diet. Frontiers in Microbiology, 2015, 6, 877.	1.5	76
17	Grain-rich diets altered the colonic fermentation and mucosa-associated bacterial communities and induced mucosal injuries in goats. Scientific Reports, 2016, 6, 20329.	1.6	74
18	Marked Response in Microbial Community and Metabolism in the Ileum and Cecum of Suckling Piglets After Early Antibiotics Exposure. Frontiers in Microbiology, 2018, 9, 1166.	1.5	67

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19	Comparison of Faecal Microbial Community of Lantang, Bama, Erhualian, Meishan, Xiaomeishan, Duroc, Landrace, and Yorkshire Sows. Asian-Australasian Journal of Animal Sciences, 2014, 27, 898-906.	2.4	64
20	Monensin and Nisin Affect Rumen Fermentation and Microbiota Differently In Vitro. Frontiers in Microbiology, 2017, 8, 1111.	1.5	63
21	A High Grain Diet Dynamically Shifted the Composition of Mucosa-Associated Microbiota and Induced Mucosal Injuries in the Colon of Sheep. Frontiers in Microbiology, 2017, 8, 2080.	1.5	62
22	Starter Feeding Supplementation Alters Colonic Mucosal Bacterial Communities and Modulates Mucosal Immune Homeostasis in Newborn Lambs. Frontiers in Microbiology, 2017, 8, 429.	1.5	60
23	Response of Colonic Mucosa-Associated Microbiota Composition, Mucosal Immune Homeostasis, and Barrier Function to Early Life Galactooligosaccharides Intervention in Suckling Piglets. Journal of Agricultural and Food Chemistry, 2019, 67, 578-588.	2.4	60
24	Characterization of bacterial community of raw milk from dairy cows during subacute ruminal acidosis challenge by high-throughput sequencing. Journal of the Science of Food and Agriculture, 2015, 95, 1072-1079.	1.7	59
25	Effects of dietary fibre source on microbiota composition in the large intestine of suckling piglets. FEMS Microbiology Letters, 2016, 363, fnw138.	0.7	55
26	Long-term effects of early antibiotic intervention on blood parameters, apparent nutrient digestibility, and fecal microbial fermentation profile in pigs with different dietary protein levels. Journal of Animal Science and Biotechnology, 2017, 8, 60.	2.1	55
27	Comparative metabolome analysis of ruminal changes in Holstein dairy cows fed low- or high-concentrate diets. Metabolomics, 2017, 13, 1.	1.4	53
28	Differential effect of early antibiotic intervention on bacterial fermentation patterns and mucosal gene expression in the colon of pigs under diets with different protein levels. Applied Microbiology and Biotechnology, 2017, 101, 2493-2505.	1.7	50
29	Antibiotic effects on gut microbiota, metabolism, and beyond. Applied Microbiology and Biotechnology, 2019, 103, 9277-9285.	1.7	50
30	High-concentrate feeding upregulates the expression of inflammation-related genes in the ruminal epithelium of dairy cattle. Journal of Animal Science and Biotechnology, 2016, 7, 42.	2.1	49
31	Early Methanogenic Colonisation in the Faeces of Meishan and Yorkshire Piglets as Determined by Pyrosequencing Analysis. Archaea, 2014, 2014, 1-10.	2.3	48
32	Temporal microbiota changes of high-protein diet intake in a rat model. Anaerobe, 2017, 47, 218-225.	1.0	48
33	Alteration of metabolomic markers of amino-acid metabolism in piglets with in-feed antibiotics. Amino Acids, 2017, 49, 771-781.	1.2	46
34	Infusion of sodium butyrate promotes rumen papillae growth and enhances expression of genes related to rumen epithelial VFA uptake and metabolism in neonatal twin lambs. Journal of Animal Science, 2019, 97, 909-921.	0.2	46
35	Alfalfa-containing diets alter luminal microbiota structure and short chain fatty acid sensing in the caecal mucosa of pigs. Journal of Animal Science and Biotechnology, 2018, 9, 11.	2.1	45
36	Increases in circulating amino acids with in-feed antibiotics correlated with gene expression of intestinal amino acid transporters in piglets. Amino Acids, 2017, 49, 1587-1599.	1.2	44

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37	Dietary fibres modulate the composition and activity of butyrate-producing bacteria in the large intestine of suckling piglets. Antonie Van Leeuwenhoek, 2017, 110, 687-696.	0.7	43
38	Caecal infusion of the shortâ€chain fatty acid propionate affects the microbiota and expression of inflammatory cytokines in the colon in a fistula pig model. Microbial Biotechnology, 2018, 11, 859-868.	2.0	43
39	Crosstalk Between The Immune Receptors and Gut Microbiota. Current Protein and Peptide Science, 2015, 16, 622-631.	0.7	43
40	Progressive Colonization of Bacteria and Degradation of Rice Straw in the Rumen by Illumina Sequencing. Frontiers in Microbiology, 2017, 8, 2165.	1.5	41
41	Swine gut microbiota and its interaction with host nutrient metabolism. Animal Nutrition, 2020, 6, 410-420.	2.1	41
42	Effect of early antibiotic administration on cecal bacterial communities and their metabolic profiles in pigs fed diets with different protein levels. Anaerobe, 2016, 42, 188-196.	1.0	39
43	Effects of Incremental Urea Supplementation on Rumen Fermentation, Nutrient Digestion, Plasma Metabolites, and Growth Performance in Fattening Lambs. Animals, 2019, 9, 652.	1.0	39
44	Lactoferrin attenuates lipopolysaccharide-stimulated inflammatory responses and barrier impairment through the modulation of NF-Î²B/MAPK/Nrf2 pathways in IPEC-J2 cells. Food and Function, 2020, 11, 8516-8526.	2.1	39
45	Effects of early-life lactoferrin intervention on growth performance, small intestinal function and gut microbiota in suckling piglets. Food and Function, 2019, 10, 5361-5373.	2.1	38
46	Indigenously associated methanogens intensified the metabolism in hydrogenosomes of anaerobic fungi with xylose as substrate. Journal of Basic Microbiology, 2017, 57, 933-940.	1.8	37
47	Effects of galacto-oligosaccharides on growth and gut function of newborn suckling piglets. Journal of Animal Science and Biotechnology, 2018, 9, 75.	2.1	37
48	Changes in Ileal Microbial Composition and Microbial Metabolism by an Early-Life Galacto-Oligosaccharides Intervention in a Neonatal Porcine Model. Nutrients, 2019, 11, 1753.	1.7	37
49	Changes in the Solid-, Liquid-, and Epithelium-Associated Bacterial Communities in the Rumen of Hu Lambs in Response to Dietary Urea Supplementation. Frontiers in Microbiology, 2020, 11, 244.	1.5	35
50	Effect of the Associated Methanogen Methanobrevibacter thaueri on the Dynamic Profile of End and Intermediate Metabolites of Anaerobic Fungus Piromyces sp. F1. Current Microbiology, 2016, 73, 434-441.	1.0	34
51	An increase in corn resistant starch decreases protein fermentation and modulates gut microbiota during inÂvitro cultivation of pig large intestinal inocula. Animal Nutrition, 2017, 3, 219-224.	2.1	33
52	Interactions between Anaerobic Fungi and Methanogens in the Rumen and Their Biotechnological Potential in Biogas Production from Lignocellulosic Materials. Microorganisms, 2021, 9, 190.	1.6	33
53	Effects of low dietary protein on the metabolites and microbial communities in the caecal digesta of piglets. Archives of Animal Nutrition, 2015, 69, 212-226.	0.9	32
54	Effects of steam explosion on lignocellulosic degradation of, and methane production from, corn stover by a co-cultured anaerobic fungus and methanogen. Bioresource Technology, 2019, 290, 121796.	4.8	32

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55	Progressive response of large intestinal bacterial community and fermentation to the stepwise decrease of dietary crude protein level in growing pigs. Applied Microbiology and Biotechnology, 2017, 101, 5415-5426.	1.7	31
56	Disruption of ruminal homeostasis by malnutrition involved in systemic ruminal microbiota-host interactions in a pregnant sheep model. Microbiome, 2020, 8, 138.	4.9	30
57	The biotechnological potential of anaerobic fungi on fiber degradation and methane production. World Journal of Microbiology and Biotechnology, 2018, 34, 155.	1.7	28
58	Diversity and community pattern of sulfate-reducing bacteria in piglet gut. Journal of Animal Science and Biotechnology, 2019, 10, 40.	2.1	28
59	Effects of Feeding Increasing Proportions of Corn Grain on Concentration of Lipopolysaccharide in the Rumen Fluid and the Subsequent Alterations in Immune Responses in Goats. Asian-Australasian Journal of Animal Sciences, 1970, 26, 1437-1445.	2.4	27
60	Characteristics of gut microbiota and its response to a Chinese Herbal Formula in elder patients with metabolic syndrome. Drug Discoveries and Therapeutics, 2018, 12, 161-169.	0.6	27
61	Succinate Modulates Intestinal Barrier Function and Inflammation Response in Pigs. Biomolecules, 2019, 9, 486.	1.8	27
62	Effects of low-protein diet on the intestinal morphology, digestive enzyme activity, blood urea nitrogen, and gut microbiota and metabolites in weaned pigs. Archives of Animal Nutrition, 2019, 73, 287-305.	0.9	27
63	Increasing the Hindgut Carbohydrate/Protein Ratio by Cecal Infusion of Corn Starch or Casein Hydrolysate Drives Gut Microbiota-Related Bile Acid Metabolism To Stimulate Colonic Barrier Function. MSystems, 2020, 5, .	1.7	27
64	Metabolomic analysis reveals distinct profiles in the plasma and urine of rats fed a high-protein diet. Amino Acids, 2015, 47, 1225-1238.	1.2	26
65	Effects of Long-Term Dietary Protein Restriction on Intestinal Morphology, Digestive Enzymes, Gut Hormones, and Colonic Microbiota in Pigs. Animals, 2019, 9, 180.	1.0	26
66	Intravenous lipopolysaccharide challenge alters ruminal bacterial microbiota and disrupts ruminal metabolism in dairy cattle. British Journal of Nutrition, 2014, 112, 170-182.	1.2	25
67	Effects of Early Intervention with Maternal Fecal Microbiota and Antibiotics on the Gut Microbiota and Metabolite Profiles of Piglets. Metabolites, 2018, 8, 89.	1.3	25
68	Calcium-sensing receptor-mediated L-tryptophan-induced secretion of cholecystokinin and glucose-dependent insulinotropic peptide in swine duodenum. Journal of Veterinary Science, 2018, 19, 179.	0.5	25
69	Combined Genomic, Transcriptomic, Proteomic, and Physiological Characterization of the Growth of Pecoramyces sp. F1 in Monoculture and Co-culture With a Syntrophic Methanogen. Frontiers in Microbiology, 2019, 10, 435.	1.5	25
70	Effects of a diet high in resistant starch on fermentation endâ€products of protein and mucin secretion in the colons of pigs. Starch/Staerke, 2017, 69, 1600032.	1.1	24
71	The Changes of Colonic Bacterial Composition and Bacterial Metabolism Induced by an Early Food Introduction in a Neonatal Porcine Model. Current Microbiology, 2018, 75, 745-751.	1.0	24
72	Ileum terminal antibiotic infusion affects jejunal and colonic specific microbial population and immune status in growing pigs. Journal of Animal Science and Biotechnology, 2018, 9, 51.	2.1	24

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73	Maternal undernutrition induces fetal hepatic lipid metabolism disorder and affects the development of fetal liver in a sheep model. FASEB Journal, 2019, 33, 9990-10004.	0.2	24
74	Gastric Bypass Surgery Reverses Diabetic Phenotypes in Bdnf-Deficient Mice. American Journal of Pathology, 2016, 186, 2117-2128.	1.9	23
75	Dynamic changes in rumen fermentation and bacterial community following rumen fluid transplantation in a sheep model of rumen acidosis: implications for rumen health in ruminants. FASEB Journal, 2019, 33, 8453-8467.	0.2	23
76	Galacto-oligosaccharides improve barrier function and relieve colonic inflammation via modulating mucosa-associated microbiota composition in lipopolysaccharides-challenged piglets. Journal of Animal Science and Biotechnology, 2021, 12, 92.	2.1	23
77	In vitro effects of sodium bicarbonate buffer on rumen fermentation, levels of lipopolysaccharide and biogenic amine, and composition of rumen microbiota. Journal of the Science of Food and Agriculture, 2017, 97, 1276-1285.	1.7	21
78	Dose and time response of ruminally infused algae on rumen fermentation characteristics, biohydrogenation and Butyrivibrio group bacteria in goats. Journal of Animal Science and Biotechnology, 2016, 7, 22.	2.1	20
79	Low-protein diets supplemented with casein hydrolysate favor the microbiota and enhance the mucosal humoral immunity in the colon of pigs. Journal of Animal Science and Biotechnology, 2019, 10, 79.	2.1	20
80	Methane Emission, Rumen Fermentation, and Microbial Community Response to a Nitrooxy Compound in Low-Quality Forage Fed Hu Sheep. Current Microbiology, 2019, 76, 435-441.	1.0	20
81	Early-life lactoferrin intervention modulates the colonic microbiota, colonic microbial metabolites and intestinal function in suckling piglets. Applied Microbiology and Biotechnology, 2020, 104, 6185-6197.	1.7	20
82	The community structure of Methanomassiliicoccales in the rumen of Chinese goats and its response to a high-grain diet. Journal of Animal Science and Biotechnology, 2017, 8, 47.	2.1	19
83	Temporal changes of the bacterial community colonizing wheat straw in the cow rumen. Anaerobe, 2018, 50, 1-8.	1.0	19
84	Morphological adaptation of sheepâ€™s rumen epithelium to high-grain diet entails alteration in the expression of genes involved in cell cycle regulation, cell proliferation and apoptosis. Journal of Animal Science and Biotechnology, 2018, 9, 32.	2.1	19
85	Impact of highâ€grain diet feeding on mucosaâ€associated bacterial community and gene expression of tight junction proteins in the small intestine of goats. MicrobiologyOpen, 2019, 8, e00745.	1.2	19
86	Transcriptomic analysis reveals the molecular mechanisms of rumen wall morphological and functional development induced by different solid diet introduction in a lamb model. Journal of Animal Science and Biotechnology, 2021, 12, 33.	2.1	19
87	Sensing of <scp>L</scp>â€Arginine by Gutâ€Expressed Calcium Sensing Receptor Stimulates Gut Satiety Hormones Cholecystokinin and Glucoseâ€Dependent Insulinotropic Peptide Secretion in Pig Model. Journal of Food Science, 2018, 83, 2394-2401.	1.5	18
88	Effects of Intravenous Infusion With Sodium Butyrate on Colonic Microbiota, Intestinal Development- and Mucosal Immune-Related Gene Expression in Normal Growing Pigs. Frontiers in Microbiology, 2018, 9, 1652.	1.5	18
89	Hepatic Metabolomic and Transcriptomic Responses Induced by Cecal Infusion of Sodium Propionate in a Fistula Pig Model. Journal of Agricultural and Food Chemistry, 2019, 67, 13073-13081.	2.4	18
90	Brown adipose tissue involution associated with progressive restriction in progenitor competence. Cell Reports, 2022, 39, 110575.	2.9	18

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91	Amino acid sensing in the gut and its mediation in gut-brain signal transduction. Animal Nutrition, 2016, 2, 69-73.	2.1	17
92	New Insights into Porcine Milk N-Glycome and the Potential Relation with Offspring Gut Microbiome. Journal of Proteome Research, 2019, 18, 1114-1124.	1.8	17
93	Undernutritionâ€induced lipid metabolism disorder triggers oxidative stress in maternal and fetal livers using a model of pregnant sheep. FASEB Journal, 2020, 34, 6508-6520.	0.2	17
94	Effect of Nitrooxy Compounds with Different Molecular Structures on the Rumen Methanogenesis, Metabolic Profile, and Methanogenic Community. Current Microbiology, 2017, 74, 891-898.	1.0	16
95	The role of microbiota in compensatory growth of proteinâ€restricted rats. Microbial Biotechnology, 2017, 10, 480-491.	2.0	16
96	Effects of dietary protein sources and nisin on rumen fermentation, nutrient digestion, plasma metabolites, nitrogen utilization, and growth performance in growing lambs1. Journal of Animal Science, 2018, 96, 1929-1938.	0.2	16
97	Differential Effects of Breed and Nursing on Early-Life Colonic Microbiota and Immune Status as Revealed in a Cross-Fostering Piglet Model. Applied and Environmental Microbiology, 2019, 85, .	1.4	16
98	Changes in Fecal and Colonic Mucosal Microbiota of Patients with Refractory Constipation after a Subtotal Colectomy. American Surgeon, 2015, 81, 198-206.	0.4	15
99	Segment-specific responses of intestinal epithelium transcriptome to in-feed antibiotics in pigs. Physiological Genomics, 2017, 49, 582-591.	1.0	15
100	Cecal Infusion of Sodium Propionate Promotes Intestinal Development and Jejunal Barrier Function in Growing Pigs. Animals, 2019, 9, 284.	1.0	15
101	PPARA/RXRA signalling regulates the fate of hepatic non-esterified fatty acids in a sheep model of maternal undernutrition. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158548.	1.2	15
102	Soybean protein hydrolysate stimulated cholecystokinin secretion and inhibited feed intake through calcium-sensing receptors and intracellular calcium signalling in pigs. Food and Function, 2021, 12, 9286-9299.	2.1	15
103	Effect of Gynosaponin on Rumen <i>In vitro</i> Methanogenesis under Different Forage-Concentrate Ratios. Asian-Australasian Journal of Animal Sciences, 2014, 27, 1088-1097.	2.4	15
104	Spatial dynamics of the bacterial community structure in the gastrointestinal tract of red kangaroo (Macropus rufus). World Journal of Microbiology and Biotechnology, 2016, 32, 98.	1.7	14
105	Dynamic changes of fatty acids and minerals in sow milk during lactation. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 603-611.	1.0	14
106	L-phenylalanine Increased Gut Hormone Secretion through Calcium-Sensing Receptor in the Porcine Duodenum. Animals, 2019, 9, 476.	1.0	14
107	The enrichment of anaerobic fungi and methanogens showed higher lignocellulose degrading and methane producing ability than that of bacteria and methanogens. World Journal of Microbiology and Biotechnology, 2020, 36, 125.	1.7	14
108	Dynamic changes in morphology, gene expression and microbiome in the jejunum of compensatoryâ€growth rats induced by protein restriction. Microbial Biotechnology, 2018, 11, 734-746.	2.0	13

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109	Metabolome-Microbiome Responses of Growing Pigs Induced by Time-Restricted Feeding. Frontiers in Veterinary Science, 2021, 8, 681202.	0.9	12
110	Metatranscriptomic analysis of colonic microbiotaâ€™s functional response to different dietary fibers in growing pigs. Animal Microbiome, 2021, 3, 45.	1.5	12
111	Microbiomeâ€“host co-oscillation patterns in remodeling of colonic homeostasis during adaptation to a high-grain diet in a sheep model. Animal Microbiome, 2020, 2, 22.	1.5	11
112	Nano chitosanâ€“zinc complex improves the growth performance and antioxidant capacity of the small intestine in weaned piglets. British Journal of Nutrition, 2021, 126, 801-812.	1.2	11
113	Stimulation of Gastric Transit Function Driven by Hydrolyzed Casein Increases Small Intestinal Carbohydrate Availability and Its Microbial Metabolism. Molecular Nutrition and Food Research, 2020, 64, e2000250.	1.5	11
114	Methane Production From Different Parts of Corn Stover via a Simple Co-culture of an Anaerobic Fungus and Methanogen. Frontiers in Bioengineering and Biotechnology, 2020, 8, 314.	2.0	11
115	Effects of Disodium Fumarate on In Vitro Rumen Fermentation, The Production of Lipopolysaccharide and Biogenic Amines, and The Rumen Bacterial Community. Current Microbiology, 2017, 74, 1337-1342.	1.0	10
116	The bacterial and archaeal community structures and methanogenic potential of the cecal microbiota of goats fed with hay and high-grain diets. Antonie Van Leeuwenhoek, 2018, 111, 2037-2049.	0.7	10
117	Pyruvate is an effective substitute for glutamate in regulating porcine nitrogen excretion. Journal of Animal Science, 2018, 96, 3804-3814.	0.2	10
118	Metagenomic analysis reveals significant differences in microbiome and metabolic profiles in the rumen of sheep fed low N diet with increased urea supplementation. FEMS Microbiology Ecology, 2020, 96, .	1.3	10
119	Amino Acids in Microbial Metabolism and Function. Advances in Experimental Medicine and Biology, 2022, 1354, 127-143.	0.8	10
120	Chitosan-chelated zinc modulates cecal microbiota and attenuates inflammatory response in weaned rats challenged with Escherichia coli. Journal of Microbiology, 2020, 58, 780-792.	1.3	9
121	Lowâ€tannin sorghum grain could be used as an alternative to corn in diet for nursery pigs. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 890-897.	1.0	9
122	Chitosan-chelated zinc modulates ileal microbiota, ileal microbial metabolites, and intestinal function in weaned piglets challenged with Escherichia coli K88. Applied Microbiology and Biotechnology, 2021, 105, 7529-7544.	1.7	9
123	Ethanol production from lignocellulosic biomass by co-fermentation with Pecoramyces sp. F1 and Zymomonas mobilis ATCC 31821 in an integrated process. Biomass and Bioenergy, 2022, 161, 106454.	2.9	9
124	Recombinant expression insulin-like growth factor 1 in Bacillus subtilis using a low-cost heat-purification technology. Process Biochemistry, 2017, 63, 49-54.	1.8	8
125	The Effects of the Combination of Oral Lactoferrin and Iron Injection on Iron Homestasis, Antioxidative Abilities and Cytokines Activities of Suckling Piglets. Animals, 2019, 9, 438.	1.0	8
126	Active bacterial communities of pig fecal microbiota transplantation suspension prepared and preserved under different conditions. AMB Express, 2019, 9, 63.	1.4	8

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127	Co-cultured methanogen improved the metabolism in the hydrogenosome of anaerobic fungus as revealed by gas chromatography-mass spectrometry analysis. Asian-Australasian Journal of Animal Sciences, 2020, 33, 1948-1956.	2.4	8
128	Differential effects of early-life and post-weaning galactooligosaccharides intervention on colonic bacterial composition and function in weaning piglets. Applied and Environmental Microbiology, 2021, , AEM0131821.	1.4	8
129	17. A 22:6 n-3 Rich Supplement Affects the Ruminal Microbial Community and Fermentation and Alters Plasma Metabolites. Annals of Animal Science, 2016, 16, 533-550.	0.6	7
130	Activation of Pyruvate Dehydrogenase by Sodium Dichloroacetate Shifts Metabolic Consumption from Amino Acids to Glucose in IPEC-J2 Cells and Intestinal Bacteria in Pigs. Journal of Agricultural and Food Chemistry, 2018, 66, 3793-3800.	2.4	7
131	Insights into the Populations of Proteolytic and Amino Acid-Fermenting Bacteria from Microbiota Analysis Using In Vitro Enrichment Cultures. Current Microbiology, 2018, 75, 1543-1550.	1.0	7
132	Effects of dietary replacement of soybean meal with dried distillers grains with solubles on the microbiota occupying different ecological niches in the rumen of growing Hu lambs. Journal of Animal Science and Biotechnology, 2020, 11, 93.	2.1	7
133	Hydrogenosome, Pairing Anaerobic Fungi and H2-Utilizing Microorganisms Based on Metabolic Ties to Facilitate Biomass Utilization. Journal of Fungi (Basel, Switzerland), 2022, 8, 338.	1.5	7
134	Propionate stimulates the secretion of satiety hormones and reduces acute appetite in a cecal fistula pig model. Animal Nutrition, 2022, 10, 390-398.	2.1	7
135	Impairment of rumen biohydrogenation and bacteria of the Butyrivibrio group in the rumen of goats through a 20:5 nâ€3 (<scp>EPA</scp>) rich supplement. Journal of the Science of Food and Agriculture, 2016, 96, 474-483.	1.7	6
136	Early galactooligosaccharide intervention alters the metabolic profile, improves the antioxidant capacity of mitochondria and activates the AMPK/Nrf2 signaling pathway in suckling piglet liver. Food and Function, 2020, 11, 7280-7292.	2.1	6
137	Pathogenic Escherichia coli-Specific Bacteriophages and Polyvalent Bacteriophages in Piglet Guts with Increasing Coliphage Numbers after Weaning. Applied and Environmental Microbiology, 2021, 87, e0096621.	1.4	6
138	Low crude protein diets supplemented with casein hydrolysate enhance the intestinal barrier function and decrease the pro-inflammatory cytokine expression in the small intestine of pigs. Animal Nutrition, 2021, 7, 770-778.	2.1	6
139	Early-life galacto-oligosaccharides supplementation alleviates the small intestinal oxidative stress and dysfunction of lipopolysaccharide-challenged suckling piglets. Journal of Animal Science and Biotechnology, 2022, 13, .	2.1	6
140	Effects of different starch source of starter on small intestinal growth and endogenous GLP-2 secretion in preweaned lambs1. Journal of Animal Science, 2018, 96, 306-317.	0.2	5
141	Effects of starter feeding on caecal mucosal bacterial composition and expression of genes involved in immune and tight junctions in pre-weaned twin lambs. Anaerobe, 2019, 59, 167-175.	1.0	5
142	Dynamic Changes in Serum Metabolomic Profiles of Growing Pigs Induced by Intravenous Infusion of Sodium Butyrate. Metabolites, 2020, 10, 20.	1.3	5
143	Proteomic identification of ruminal epithelial protein expression profiles in response to starter feed supplementation in pre-weaned lambs. Animal Nutrition, 2021, 7, 1271-1282.	2.1	5
144	Bio-Fermentation Improved Rumen Fermentation and Decreased Methane Concentration of Rice Straw by Altering the Particle-Attached Microbial Community. Fermentation, 2022, 8, 72.	1.4	5

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145	Rumen microbial and fermentation characteristics are affected differently by acarbose addition during two nutritional types of simulated severe subacute ruminal acidosis inÂvitro. Anaerobe, 2017, 47, 39-46.	1.0	4
146	Transcriptomic Responses in the Livers and Jejunal Mucosa of Pigs under Different Feeding Frequencies. Animals, 2019, 9, 675.	1.0	4
147	Significant changes in caecal microbial composition and metabolites of weaned piglets after protein restriction and succedent realimentation. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1126-1133.	1.0	4
148	Microbiomes in the Intestine of Developing Pigs: Implications for Nutrition and Health. Advances in Experimental Medicine and Biology, 2022, 1354, 161-176.	0.8	4
149	Feeding frequency affects glucose and lipid metabolism through SIRT1/AMPK pathway in growing pigs with the same amount of daily feed. Journal of Nutritional Biochemistry, 2022, 100, 108919.	1.9	4
150	The effect of increased atmospheric temperature and CO2 concentration during crop growth on the chemical composition and in vitro rumen fermentation characteristics of wheat straw. Journal of Animal Science and Biotechnology, 2015, 6, 46.	2.1	3
151	Aspartame supplementation in starter accelerates small intestinal epithelial cell cycle and stimulates secretion of glucagonâ€like peptideâ€2 in preâ€weaned lambs. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1338-1350.	1.0	3
152	Longâ€term effect of early antibiotic exposure on amino acid profiles and gene expression of transporters and receptors in the small intestinal mucosa of growing pigs with different dietary protein levels. Journal of the Science of Food and Agriculture, 2020, 100, 235-244.	1.7	3
153	<scp>l</scp>â€Glutamate stimulates cholecystokinin secretion via the <scp>T1R1</scp>/<scp>T1R3</scp> mediated <scp>PLC</scp>/<scp>TRPM5</scp> transduction pathway. Journal of the Science of Food and Agriculture, 2020, 100, 4818-4825.	1.7	3
154	The role of Methanomassiliicoccales in trimethylamine metabolism in the rumen of dairy cows. Animal, 2021, 15, 100259.	1.3	3
155	Galacto-oligosaccharides directly attenuate lipopolysaccharides-induced inflammatory response, oxidative stress and barrier impairment in intestinal epithelium. Journal of Functional Foods, 2022, 91, 105006.	1.6	3
156	Comparisons of blood biochemical parameters, digestive enzyme activities and volatile fatty acid profile between Meishan and Yorkshire piglets. Animal Nutrition, 2015, 1, 289-292.	2.1	2
157	Casein hydrolysate supplementation in lowâ€crude protein diets increases feed intake and nitrogen retention without affecting nitrogen utilization of growing pigs. Journal of the Science of Food and Agriculture, 2020, 100, 1748-1756.	1.7	2
158	Effects of early commercial milk supplement on the mucosal morphology, bacterial community and bacterial metabolites in jejunum of the pre- and post-weaning piglets. Asian-Australasian Journal of Animal Sciences, 2020, 33, 480-489.	2.4	2
159	The development of intestinal lactic acid bacteria in piglets as determined by high-throughput sequencing. Animal Biotechnology, 2023, 34, 911-920.	0.7	1
160	Anaerobic Fungi Isolated From Bactrian Camel Rumen Contents Have Strong Lignocellulosic Bioconversion Potential. Frontiers in Microbiology, 0, 13, .	1.5	1
161	å¾®ç”Ÿç‰©ç¾¤è½¬ä¸ŽåŠ¨ç‰©æ¶ˆåŒ–é•¿è¥…. Scientia Sinica Vitae, 2022, , .	0.1	0
162	Determination of the Effects of Duodenal Infusion Soy Protein Hydrolysate on Hepatic Glucose and Lipid Metabolism in Pigs Through Multi-Omics Analysis. Frontiers in Nutrition, 2022, 9, 838617.	1.6	0

#	Article	IF	Citations
163	Effects of Protein Restriction and Succedent Realimentation on Jejunal Function and Bacterial Composition of Different Colonic Niches in Weaned Piglets. Frontiers in Veterinary Science, 2022, 9, 877130.	0.9	0