Junqiu Luo

List of Publications by Year in descending order

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109	2,310	236833	315616
papers	citations	25 h-index	38 g-index

112	112	112	2100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prebiotic inulin as a treatment of obesity related nonalcoholic fatty liver disease through gut microbiota: a critical review. Critical Reviews in Food Science and Nutrition, 2023, 63, 862-872.	5.4	10
2	Comparisons of the micronization, steam explosion, and gamma irradiation treatment on chemical composition, structure, physicochemical properties, and in vitro digestibility of dietary fiber from soybean hulls. Food Chemistry, 2022, 366, 130618.	4.2	34
3	Yucca schidigera extract decreases nitrogen emission via improving nutrient utilisation and gut barrier function in weaned piglets. Journal of Animal Physiology and Animal Nutrition, 2022, 106, 1036-1045.	1.0	9
4	Dietary supplementation of fructo-oligosaccharides alleviates enterotoxigenic E. coli-induced disruption of intestinal epithelium in a weaned piglet model. British Journal of Nutrition, 2022, 128, 1526-1534.	1.2	3
5	All-Trans Retinoic Acid Attenuates Transmissible Gastroenteritis Virus-Induced Inflammation in IPEC-J2 Cells via Suppressing the RLRs/NFâ€Î²B Signaling Pathway. Frontiers in Immunology, 2022, 13, 734171.	2.2	12
6	All-Trans Retinoic Acid Attenuates Transmissible Gastroenteritis Virus-Induced Apoptosis in IPEC-J2 Cells via Inhibiting ROS-Mediated P38MAPK Signaling Pathway. Antioxidants, 2022, 11, 345.	2.2	10
7	Chlorogenic Acid Attenuates Oxidative Stress-Induced Intestinal Mucosa Disruption in Weaned Pigs. Frontiers in Veterinary Science, 2022, 9, 806253.	0.9	6
8	Effect of sialyllactose on growth performance and intestinal epithelium functions in weaned pigs challenged by enterotoxigenic Escherichia Coli. Journal of Animal Science and Biotechnology, 2022, 13, 30.	2.1	14
9	Î²-defensin 118 attenuates inflammation and injury of intestinal epithelial cells upon enterotoxigenic Escherichia coli challenge. BMC Veterinary Research, 2022, 18, 142.	0.7	7
10	Effects of ferulic acid on the growth performance, antioxidant capacity, and intestinal development of piglets with intrauterine growth retardation. Journal of Animal Science, 2022, 100, .	0.2	4
11	Effect of Î²-Glucan Supplementation on Growth Performance and Intestinal Epithelium Functions in Weaned Pigs Challenged by Enterotoxigenic Escherichia coli. Antibiotics, 2022, 11, 519.	1.5	12
12	Lower abundance of Bacteroides and metabolic dysfunction are highly associated with the post-weaning diarrhea in piglets. Science China Life Sciences, 2022, 65, 2062-2075.	2.3	21
13	Developmental Profiling of Dietary Carbohydrate Digestion in Piglets. Frontiers in Microbiology, 2022, 13, 896660.	1.5	5
14	Manno-oligosaccharide attenuates inflammation and intestinal epithelium injury in weaned pigs upon enterotoxigenic Escherichia coli K88 challenge. British Journal of Nutrition, 2021, 126, 993-1002.	1.2	21
15	Synergetic responses of intestinal microbiota and epithelium to dietary inulin supplementation in pigs. European Journal of Nutrition, 2021, 60, 715-727.	1.8	10
16	Human Î²-Defensin 118 Attenuates Escherichia coli K88â€“Induced Inflammation and Intestinal Injury in Mice. Probiotics and Antimicrobial Proteins, 2021, 13, 586-597.	1.9	12
17	Infusion of short chain fatty acids in the ileum improves the carcass traits, meat quality and lipid metabolism of growing pigs. Animal Nutrition, 2021, 7, 94-100.	2.1	18
18	Effects of dietary resveratrol supplementation on immunity, antioxidative capacity and intestinal barrier function in weaning piglets. Animal Biotechnology, 2021, 32, 240-245.	0.7	23

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19	The effect of dietary pectic oligosaccharide supplementation on intestinal health of broiler breeders with different egg-laying rates. Poultry Science, 2021, 100, 100938.	1.5	5
20	Influences of Selenium-Enriched Yeast on Growth Performance, Immune Function, and Antioxidant Capacity in Weaned Pigs Exposure to Oxidative Stress. BioMed Research International, 2021, 2021, 1-11.	0.9	19
21	Effects of dietary Bacillus coagulans and yeast hydrolysate supplementation on growth performance, immune response and intestinal barrier function in weaned piglets. Journal of Animal Physiology and Animal Nutrition, 2021, 105, 898-907.	1.0	15
22	Lentinan administration alleviates diarrhea of rotavirus-infected weaned pigs via regulating intestinal immunity. Journal of Animal Science and Biotechnology, 2021, 12, 43.	2.1	10
23	Fermented Diet Liquid Feeding Improves Growth Performance and Intestinal Function of Pigs. Animals, 2021, 11, 1452.	1.0	6
24	Protective effect of Bombyx mori gloverin on intestinal epithelial cells exposure to enterotoxigenic E. coli. Brazilian Journal of Microbiology, 2021, 52, 1235-1245.	0.8	3
25	Prevotella-rich enterotype may benefit gut health in finishing pigs fed diet with a high amylose-to-amylopectin ratio. Animal Nutrition, 2021, 7, 400-411.	2.1	20
26	Effects of soybean raffinose on growth performance, digestibility, humoral immunity and intestinal morphology of growing pigs. Animal Nutrition, 2021, 7, 393-399.	2.1	7
27	Effects of Cold Exposure on Performance and Skeletal Muscle Fiber in Weaned Piglets. Animals, 2021, 11, 2148.	1.0	9
28	Functional Characterization of Porcine NK-Lysin: A Novel Immunomodulator That Regulates Intestinal Inflammatory Response. Molecules, 2021, 26, 4242.	1.7	9
29	L-Leucine Promotes STAT1 and ISGs Expression in TGEV-Infected IPEC-J2 Cells via mTOR Activation. Frontiers in Immunology, 2021, 12, 656573.	2.2	7
30	Sodium acetate, propionate, and butyrate reduce fat accumulation in mice via modulating appetite and relevant genes. Nutrition, 2021, 87-88, 111198.	1.1	16
31	Low Birth Weight Disturbs the Intestinal Redox Status and Mitochondrial Morphology and Functions in Newborn Piglets. Animals, 2021, 11, 2561.	1.0	3
32	Effects of essential oil on growth performance, digestibility, immunity, and intestinal health in broilers. Poultry Science, 2021, 100, 101242.	1.5	20
33	Supplementing daidzein in diets improves the reproductive performance, endocrine hormones and antioxidant capacity of multiparous sows. Animal Nutrition, 2021, 7, 1052-1060.	2.1	10
34	1,25-Dihydroxyvitamin D3 inhibits porcine epidemic diarrhea virus replication by regulating cell cycle resumption in IPEC-J2 porcine epithelial cells. Microbial Pathogenesis, 2021, 158, 105017.	1.3	5
35	Tannic acid extracted from gallnut prevents post-weaning diarrhea and improves intestinal health of weaned piglets. Animal Nutrition, 2021, 7, 1078-1086.	2.1	20
36	Chitosan oligosaccharide attenuates endoplasmic reticulum stress-associated intestinal apoptosis via the Akt/mTOR pathway. Food and Function, 2021, 12, 8647-8658.	2.1	10

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37	Effects of Chronic Exposure to Low Levels of Dietary Aflatoxin B1 on Growth Performance, Apparent Total Tract Digestibility and Intestinal Health in Pigs. Animals, 2021, 11, 336.	1.0	24
38	l-Isoleucine Administration Alleviates DSS-Induced Colitis by Regulating TLR4/MyD88/NF-ÎºB Pathway in Rats. Frontiers in Immunology, 2021, 12, 817583.	2.2	14
39	Alteration of Porcine Intestinal Microbiota in Response to Dietary Manno-Oligosaccharide Supplementation. Frontiers in Microbiology, 2021, 12, 811272.	1.5	3
40	Active or Autoclaved Akkermansia muciniphila Relieves TNF-Î±-Induced Inflammation in Intestinal Epithelial Cells Through Distinct Pathways. Frontiers in Immunology, 2021, 12, 788638.	2.2	8
41	Fermented Alfalfa Meal Instead of â€œGrain-Typeâ€•Feedstuffs in the Diet Improves Intestinal Health Related Indexes in Weaned Pigs. Frontiers in Microbiology, 2021, 12, 797875.	1.5	3
42	Dietary Arginine Supplementation Improves Intestinal Mitochondrial Functions in Low-Birth-Weight Piglets but Not in Normal-Birth-Weight Piglets. Antioxidants, 2021, 10, 1995.	2.2	4
43	Effects of soluble and insoluble dietary fiber supplementation on growth performance, nutrient digestibility, intestinal microbe and barrier function in weaning piglet. Animal Feed Science and Technology, 2020, 260, 114335.	1.1	44
44	The anti-inflammatory effects of low- and high-molecular-weight beta-glucans from Agrobacterium sp. ZX09 in LPS-induced weaned piglets. Food and Function, 2020, 11, 585-595.	2.1	5
45	Beet Pulp: An Alternative to Improve the Gut Health of Growing Pigs. Animals, 2020, 10, 1860.	1.0	9
46	Expression and Functional Characterization of a Novel Antimicrobial Peptide: Human Beta-Defensin 118. BioMed Research International, 2020, 2020, 1-10.	0.9	8
47	Effects of dietary fibres on gut microbial metabolites and liver lipid metabolism in growing pigs. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1484-1493.	1.0	4
48	Tannic acid prevents post-weaning diarrhea by improving intestinal barrier integrity and function in weaned piglets. Journal of Animal Science and Biotechnology, 2020, 11, 87.	2.1	43
49	Influences of dietary starch structure on intestinal morphology, barrier functions, and epithelium apoptosis in weaned pigs. Food and Function, 2020, 11, 4446-4455.	2.1	7
50	Dietary protein levels and amino acid supplementation patterns alter the composition and functions of colonic microbiota in pigs. Animal Nutrition, 2020, 6, 143-151.	2.1	25
51	Effects of Dietary Starch Structure on Growth Performance, Serum Glucoseâ€“Insulin Response, and Intestinal Health in Weaned Piglets. Animals, 2020, 10, 543.	1.0	12
52	Effects of dietary inulin supplementation on growth performance, intestinal barrier integrity and microbial populations in weaned pigs. British Journal of Nutrition, 2020, 124, 296-305.	1.2	17
53	Dietary pectic oligosaccharide supplementation improves rat reproductive performance via regulating intestinal volatile fatty acids during middle gestation. Animal Nutrition, 2020, 6, 210-216.	2.1	8
54	Transmissible gastroenteritis virus targets Paneth cells to inhibit the self-renewal and differentiation of Lgr5 intestinal stem cells via Notch signaling. Cell Death and Disease, 2020, 11, 40.	2.7	32

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55	Effects of benzoic acid, Bacillus coagulans and oregano oil combined supplementation on growth performance, immune status and intestinal barrier integrity of weaned piglets. Animal Nutrition, 2020, 6, 152-159.	2.1	37
56	Selenium-Enriched Yeast Alleviates Oxidative Stress-Induced Intestinal Mucosa Disruption in Weaned Pigs. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-11.	1.9	31
57	The Optimal Combination of Dietary Starch, Non-Starch Polysaccharides, and Mannan-Oligosaccharide Increases the Growth Performance and Improves Butyrate-Producing Bacteria of Weaned Pigs. Animals, 2020, 10, 1745.	1.0	9
58	Expression, Purification and Characterization of a Novel Antimicrobial Peptide: Gloverin A2 from Bombyx mori. International Journal of Peptide Research and Therapeutics, 2019, 25, 827-833.	0.9	9
59	Changes of porcine gut microbiota in response to dietary chlorogenic acid supplementation. Applied Microbiology and Biotechnology, 2019, 103, 8157-8168.	1.7	47
60	Amelioration of Enterotoxigenic Escherichia coli-Induced Intestinal Barrier Disruption by Low-Molecular-Weight Chitosan in Weaned Pigs is Related to Suppressed Intestinal Inflammation and Apoptosis. International Journal of Molecular Sciences, 2019, 20, 3485.	1.8	31
61	Effects of different levels of dietary hydroxy-analogue of selenomethionine on growth performance, selenium deposition and antioxidant status of weaned piglets. Archives of Animal Nutrition, 2019, 73, 374-383.	0.9	18
62	Differential expression, molecular cloning, and characterization of porcine beta defensin 114. Journal of Animal Science and Biotechnology, 2019, 10, 60.	2.1	14
63	Dietary Î²-glucan supplementation improves growth performance, carcass traits and meat quality of finishing pigs. Animal Nutrition, 2019, 5, 380-385.	2.1	26
64	Dietary apple polyphenols supplementation enhances antioxidant capacity and improves lipid metabolism in weaned piglets. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1512-1520.	1.0	19
65	Effect of Dietary Inulin Supplementation on Growth Performance, Carcass Traits, and Meat Quality in Growingâ€“Finishing Pigs. Animals, 2019, 9, 840.	1.0	10
66	Purified Î²-glucans of Different Molecular Weights Enhance Growth Performance of LPS-challenged Piglets via Improved Gut Barrier Function and Microbiota. Animals, 2019, 9, 602.	1.0	17
67	Betaâ€glucan from Agrobacterium sp. ZX09 improves growth performance and intestinal function in weaned piglets. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 1818-1827.	1.0	8
68	Dietary 25-Hydroxyvitamin D3 Supplementation Alleviates Porcine Epidemic Diarrhea Virus Infection by Improving Intestinal Structure and Immune Response in Weaned Pigs. Animals, 2019, 9, 627.	1.0	15
69	Effects of Dietary Aged Maize with Oxidized Fish Oil on Growth Performance, Antioxidant Capacity and Intestinal Health in Weaned Piglets. Animals, 2019, 9, 624.	1.0	11
70	Effect of different dietary protein levels and amino acids supplementation patterns on growth performance, carcass characteristics and nitrogen excretion in growing-finishing pigs. Journal of Animal Science and Biotechnology, 2019, 10, 75.	2.1	25
71	Î²-Defensin 129 Attenuates Bacterial Endotoxin-Induced Inflammation and Intestinal Epithelial Cell Apoptosis. Frontiers in Immunology, 2019, 10, 2333.	2.2	23
72	Butyrate promotes slow-twitch myofiber formation and mitochondrial biogenesis in finishing pigs via inducing specific microRNAs and PGC-1Î± expression1. Journal of Animal Science, 2019, 97, 3180-3192.	0.2	47

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73	Improvement of growth performance and parameters of intestinal function in liquid fed early weanling pigs1. Journal of Animal Science, 2019, 97, 2725-2738.	0.2	8
74	Effects of Bacillus subtilis DSM32315 supplementation and dietary crude protein level on performance, gut barrier function and microbiota profile in weaned piglets1. Journal of Animal Science, 2019, 97, 2125-2138.	0.2	44
75	Lentinan administration relieves gut barrier dysfunction induced by rotavirus in a weaned piglet model. Food and Function, 2019, 10, 2094-2101.	2.1	30
76	Effects of Dietary Apple Polyphenols Supplementation on Hepatic Fat Deposition and Antioxidant Capacity in Finishing Pigs. Animals, 2019, 9, 937.	1.0	12
77	Manipulation of Intestinal Antiviral Innate Immunity and Immune Evasion Strategies of Porcine Epidemic Diarrhea Virus. BioMed Research International, 2019, 2019, 1-9.	0.9	12
78	Soluble Fiber and Insoluble Fiber Regulate Colonic Microbiota and Barrier Function in a Piglet Model. BioMed Research International, 2019, 2019, 1-12.	0.9	40
79	Bombyx mori gloverin A2 alleviates enterotoxigenic Escherichia coli-induced inflammation and intestinal mucosa disruption. Antimicrobial Resistance and Infection Control, 2019, 8, 189.	1.5	16
80	Evaluation of standardized ileal digestible lysine requirement for 8â€“20Âkg pigs fed low crude protein diets. Animal Science Journal, 2019, 90, 237-246.	0.6	12
81	Effects of dietary 25-hydroxyvitamin D₃supplementation on growth performance, immune function and antioxidative capacity in weaned piglets. Archives of Animal Nutrition, 2019, 73, 44-51.	0.9	16
82	Leucine promotes porcine myofibre type transformation from fast-twitch to slow-twitch through the protein kinase B (Akt)/forkhead box 1 signalling pathway and microRNA-27a. British Journal of Nutrition, 2019, 121, 1-8.	1.2	28
83	Effects of active immunization against porcine Sox6 on meat quality and myosin heavy chain isoform expression in growing-finishing pigs. Animal Biotechnology, 2019, 30, 260-266.	0.7	1
84	Chlorogenic Acid Improves Intestinal Development via Suppressing Mucosa Inflammation and Cell Apoptosis in Weaned Pigs. ACS Omega, 2018, 3, 2211-2219.	1.6	44
85	Leucine modulates the IPEC-J2 cell proteome associated with cell proliferation, metabolism and phagocytosis. Animal Nutrition, 2018, 4, 316-321.	2.1	4
86	MicroRNA-139-5p suppresses myosin heavy chain I and IIa expression via inhibition of the calcineurin/NFAT signaling pathway. Biochemical and Biophysical Research Communications, 2018, 500, 930-936.	1.0	20
87	Dietary chlorogenic acid improves growth performance of weaned pigs through maintaining antioxidant capacity and intestinal digestion and absorption function. Journal of Animal Science, 2018, 96, 1108-1118.	0.2	91
88	Leucine promotes differentiation of porcine myoblasts through the protein kinase B (Akt)/Forkhead box O1 signalling pathway. British Journal of Nutrition, 2018, 119, 727-733.	1.2	14
89	Dietary Sodium Butyrate Supplementation Promotes Oxidative Fiber Formation in Mice. Animal Biotechnology, 2018, 29, 212-215.	0.7	6
90	Fungi in Gastrointestinal Tracts of Human and Mice: from Community to Functions. Microbial Ecology, 2018, 75, 821-829.	1.4	94

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91	Effects of MicroRNA-27a on Myogenin Expression and Akt/FoxO1 Signal Pathway during Porcine Myoblast Differentiation. Animal Biotechnology, 2018, 29, 183-189.	0.7	7
92	Alginate oligosaccharide alleviates enterotoxigenicEscherichia coli-induced intestinal mucosal disruption in weaned pigs. Food and Function, 2018, 9, 6401-6413.	2.1	26
93	Dietary Daidzein Supplementation During Pregnancy Facilitates Fetal Growth in Rats. Molecular Nutrition and Food Research, 2018, 62, e1800921.	1.5	11
94	'Dietary Arginine Supplementation Affects Intestinal Function by Enhancing Antioxidant Capacity of a Nitric Oxideâ€"Independent Pathway in Low-Birth-Weight Piglets. Journal of Nutrition, 2018, 148, 1751-1759.	1.3	22
95	The differences between copper sulfate and tribasic copper chloride on growth performance, redox status, deposition in tissues of pigs, and excretion in feces. Asian-Australasian Journal of Animal Sciences, 2018, 31, 873-880.	2.4	6
96	Alginate oligosaccharide-induced intestinal morphology, barrier function and epithelium apoptosis modifications have beneficial effects on the growth performance of weaned pigs. Journal of Animal Science and Biotechnology, 2018, 9, 58.	2.1	47
97	Effects of Dietary Daidzein Supplementation on Reproductive Performance, Serum Hormones, and Reproductive-Related Genes in Rats. Nutrients, 2018, 10, 766.	1.7	19
98	l-Isoleucine Administration Alleviates Rotavirus Infection and Immune Response in the Weaned Piglet Model. Frontiers in Immunology, 2018, 9, 1654.	2.2	35
99	Protective Effects of Benzoic Acid,BacillusCoagulans, and Oregano Oil on Intestinal Injury Caused by EnterotoxigenicEscherichia coliin Weaned Piglets. BioMed Research International, 2018, 2018, 1-12.	0.9	29
100	Chlorogenic acid improves intestinal barrier functions by suppressing mucosa inflammation and improving antioxidant capacity in weaned pigs. Journal of Nutritional Biochemistry, 2018, 59, 84-92.	1.9	116
101	The effect of high nutrient on the growth performance, adipose deposition and gene expression of lipid metabolism in the neonatal intrauterine growth-retarded piglets. Journal of Applied Animal Research, 2017, 45, 39-44.	0.4	1
102	Dietary Pectic Oligosaccharide Administration Improves Growth Performance and Immunity in Weaned Pigs Infected by Rotavirus. Journal of Agricultural and Food Chemistry, 2017, 65, 2923-2929.	2.4	29
103	Dietary pea fiber increases diversity of colonic methanogens of pigs with a shift from Methanobrevibacter to Methanomassiliicoccus-like genus and change in numbers of three hydrogenotrophs. BMC Microbiology, 2017, 17, 17.	1.3	21
104	Leucine Protects Against Skeletal Muscle Atrophy in Lipopolysaccharide-Challenged Rats. Journal of Medicinal Food, 2017, 20, 93-101.	0.8	18
105	Arginine metabolism and its protective effects on intestinal health and functions in weaned piglets under oxidative stress induced by diquat. British Journal of Nutrition, 2017, 117, 1495-1502.	1.2	62
106	Dietary apple pectic oligosaccharide improves gut barrier function of rotavirus-challenged weaned pigs by increasing antioxidant capacity of enterocytes. Oncotarget, 2017, 8, 92420-92430.	0.8	27
107	Dietary Lactobacillus rhamnosus GG Supplementation Improves the Mucosal Barrier Function in the Intestine of Weaned Piglets Challenged by Porcine Rotavirus. PLoS ONE, 2016, 11, e0146312.	1.1	74
108	Dietary resveratrol supplementation improves meat quality of finishing pigs through changing muscle fiber characteristics and antioxidative status. Meat Science, 2015, 102, 15-21.	2.7	159

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109	Effects of different dietary protein sources on expression of genes related to protein metabolism in growing rats. British Journal of Nutrition, 2010, 104, 1421-1428.	1.2	17