Yuming Guo

List of Publications by Year
in descending order

103 papers	3,470 citations	117625 34 h-index	175258 52 g-index
106 all docs	106 docs citations	106 times ranked	3252 citing authors

#	Article	IF	Citations
1	The chicken gut metagenome and the modulatory effects of plant-derived benzylisoquinoline alkaloids. Microbiome, 2018, 6, 211.	11.1	204
2	Effects of thymol and carvacrol supplementation on intestinal integrity and immune responses of broiler chickens challenged with Clostridium perfringens. Journal of Animal Science and Biotechnology, 2016, 7, 19.	5.3	166
3	In vitro antibacterial activity of thymol and carvacrol and their effects on broiler chickens challenged with Clostridium perfringens. Journal of Animal Science and Biotechnology, 2015, 6, 58.	5.3	113
4	Zinc enhances intestinal epithelial barrier function through the PI3K/AKT/mTOR signaling pathway in Caco-2 cells. Journal of Nutritional Biochemistry, 2017, 43, 18-26.	4.2	113
5	Exogenous lysozyme influencesClostridium perfringenscolonization and intestinal barrier function in broiler chickens. Avian Pathology, 2010, 39, 17-24.	2.0	105
6	Dietary live yeast and mannan-oligosaccharide supplementation attenuate intestinal inflammation and barrier dysfunction induced by Escherichia coli in broilers. British Journal of Nutrition, 2016, 116, 1878-1888.	2.3	98
7	Dietary <scp>l</scp>-arginine supplementation attenuates lipopolysaccharide-induced inflammatory response in broiler chickens. British Journal of Nutrition, 2014, 111, 1394-1404.	2.3	91
8	Xylanase supplementation to a wheat-based diet alleviated the intestinal mucosal barrier impairment of broiler chickens challenged byClostridium perfringens. Avian Pathology, 2012, 41, 291-298.	2.0	89
9	Dietary encapsulated essential oils and organic acids mixture improves gut health in broiler chickens challenged with necrotic enteritis. Journal of Animal Science and Biotechnology, 2020, 11, 18.	5.3	86
10	Effects of Bacillus coagulans supplementation on the growth performance and gut health of broiler chickens with Clostridium perfringens-induced necrotic enteritis. Journal of Animal Science and Biotechnology, 2018, 9, 9.	5.3	82
11	Secretions of Bifidobacterium infantis and Lactobacillus acidophilus Protect Intestinal Epithelial Barrier Function. Journal of Pediatric Gastroenterology and Nutrition, 2017, 64, 404-412.	1.8	81
12	Effects of Lactobacillus acidophilus on the growth performance and intestinal health of broilers challenged with Clostridium perfringens. Journal of Animal Science and Biotechnology, 2018, 9, 25.	5.3	81
13	Effects of Lactobacillus acidophilus on gut microbiota composition in broilers challenged with Clostridium perfringens. PLoS ONE, 2017, 12, e0188634.	2.5	75
14	Effect of dietary Bacillus coagulans supplementation on growth performance and immune responses of broiler chickens challenged by Salmonella enteritidis. Poultry Science, 2018, 97, 2654-2666.	3.4	72
15	Effect of microencapsulated sodium butyrate dietary supplementation on growth performance and intestinal barrier function of broiler chickens infected with necrotic enteritis. Animal Feed Science and Technology, 2017, 232, 6-15.	2.2	70
16	Yeast Î²-d-glucans induced antimicrobial peptide expressions against Salmonella infection in broiler chickens. International Journal of Biological Macromolecules, 2016, 85, 573-584.	7.5	67
17	Effects of dietary yeast Î²-glucans supplementation on growth performance, gut morphology, intestinal Clostridium perfringens population and immune response of broiler chickens challenged with necrotic enteritis. Animal Feed Science and Technology, 2016, 215, 144-155.	2.2	64
18	Dietary<scp>l</scp>-arginine inhibits intestinalClostridium perfringenscolonisation and attenuates intestinal mucosal injury in broiler chickens. British Journal of Nutrition, 2017, 118, 321-332.	2.3	64

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19	Dietary l-arginine Supplementation Alleviates the Intestinal Injury and Modulates the Gut Microbiota in Broiler Chickens Challenged by Clostridium perfringens. Frontiers in Microbiology, 2018, 9, 1716.	3.5	64
20	Supplemental thymol and carvacrol increases ileum Lactobacillus population and reduces effect of necrotic enteritis caused by Clostridium perfringes in chickens. Scientific Reports, 2017, 7, 7334.	3.3	56
21	Metagenome-assembled genomes and gene catalog from the chicken gut microbiome aid in deciphering antibiotic resistomes. Communications Biology, 2021, 4, 1305.	4.4	49
22	Dietary Genistein Alleviates Lipid Metabolism Disorder and Inflammatory Response in Laying Hens With Fatty Liver Syndrome. Frontiers in Physiology, 2018, 9, 1493.	2.8	48
23	Effects of age on immune function in broiler chickens. Journal of Animal Science and Biotechnology, 2021, 12, 42.	5.3	48
24	Combination of Xylanase and Debranching Enzymes Specific to Wheat Arabinoxylan Improve the Growth Performance and Gut Health of Broilers. Journal of Agricultural and Food Chemistry, 2016, 64, 4932-4942.	5.2	45
25	Two Lactobacillus Species Inhibit the Growth and Î±-Toxin Production of Clostridium perfringens and Induced Proinflammatory Factors in Chicken Intestinal Epithelial Cells in Vitro. Frontiers in Microbiology, 2017, 8, 2081.	3.5	44
26	Effects of dietary essential oil and enzyme supplementation on growth performance and gut health of broilers challenged by Clostridium perfringens. Animal Feed Science and Technology, 2015, 207, 234-244.	2.2	43
27	Pretreatment with probiotic Enterococcus faecium NCIMB 11181 ameliorates necrotic enteritis-induced intestinal barrier injury in broiler chickens. Scientific Reports, 2019, 9, 10256.	3.3	43
28	Secreted Metabolites of Bifidobacterium infantis and Lactobacillus acidophilus Protect Immature Human Enterocytes from IL-1Î²-Induced Inflammation: A Transcription Profiling Analysis. PLoS ONE, 2015, 10, e0124549.	2.5	41
29	Inflammatory responses to aClostridium perfringenstype A strain andÎ±-toxin in primary intestinal epithelial cells of chicken embryos. Avian Pathology, 2015, 44, 81-91.	2.0	40
30	Dietary fiber and chicken microbiome interaction: Where will it lead to?. Animal Nutrition, 2020, 6, 1-8.	5.1	40
31	Dietary l-arginine supplementation ameliorates inflammatory response and alters gut microbiota composition in broiler chickens infected with Salmonella enterica serovar Typhimurium. Poultry Science, 2020, 99, 1862-1874.	3.4	40
32	Supplementation of amylase combined with glucoamylase or protease changes intestinal microbiota diversity and benefits for broilers fed a diet of newly harvested corn. Journal of Animal Science and Biotechnology, 2018, 9, 24.	5.3	39
33	Intramuscular preadipocytes impede differentiation and promote lipid deposition of muscle satellite cells in chickens. BMC Genomics, 2018, 19, 838.	2.8	39
34	Effects of dietary Enterococcus faecium NCIMB 11181 supplementation on growth performance and cellular and humoral immune responses in broiler chickens. Poultry Science, 2019, 98, 150-163.	3.4	37
35	Effect of blending encapsulated essential oils and organic acids as an antibiotic growth promoter alternative on growth performance and intestinal health in broilers with necrotic enteritis. Poultry Science, 2022, 101, 101563.	3.4	37
36	Transcriptomics-Related Mechanisms of Supplementing Laying Broiler Breeder Hens with Dietary Daidzein to Improve the Immune Function and Growth Performance of Offspring. Journal of Agricultural and Food Chemistry, 2018, 66, 2049-2060.	5.2	36

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37	Probiotics Bacillus licheniformis Improves Intestinal Health of Subclinical Necrotic Enteritis-Challenged Broilers. Frontiers in Microbiology, 2021, 12, 623739.	3.5	36
38	Effects of dietary l-tryptophan supplementation on intestinal response to chronic unpredictable stress in broilers. Amino Acids, 2017, 49, 1227-1236.	2.7	34
39	GCâ€“MS analysis of the ruminal metabolome response to thiamine supplementation during high grain feeding in dairy cows. Metabolomics, 2018, 14, 67.	3.0	31
40	Dietary vitamin D3 supplementation protects laying hens against lipopolysaccharide-induced immunological stress. Nutrition and Metabolism, 2018, 15, 58.	3.0	31
41	In vivo and in vitro protective effect of arginine against intestinal inflammatory response induced by Clostridium perfringens in broiler chickens. Journal of Animal Science and Biotechnology, 2019, 10, 73.	5.3	31
42	Role of Vitamin K in Intestinal Health. Frontiers in Immunology, 2021, 12, 791565.	4.8	30
43	Effects of dietary vitamins supplementation level on the production performance and intestinal microbiota of aged laying hens. Poultry Science, 2020, 99, 3594-3605.	3.4	29
44	A Novel lncRNA Regulates the Toll-Like Receptor Signaling Pathway and Related Immune Function by Stabilizing FOS mRNA as a Competitive Endogenous RNA. Frontiers in Immunology, 2019, 10, 838.	4.8	27
45	Effects of Propylene Glycol on Negative Energy Balance of Postpartum Dairy Cows. Animals, 2020, 10, 1526.	2.3	25
46	Dietary yeast Î²-glucan supplementation improves eggshell color and fertile eggs hatchability as well as enhances immune functions in breeder laying hens. International Journal of Biological Macromolecules, 2020, 159, 607-621.	7.5	25
47	Supplementing Genistein for Breeder Hens Alters the Fatty Acid Metabolism and Growth Performance of Offsprings by Epigenetic Modification. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-15.	4.0	24
48	Effects of Kluyveromyces marxianus supplementation on immune responses, intestinal structure and microbiota in broiler chickens. PLoS ONE, 2017, 12, e0180884.	2.5	21
49	Transcriptomic Analysis of Xylan Oligosaccharide Utilization Systems in Pediococcus acidilactici Strain BCC-1. Journal of Agricultural and Food Chemistry, 2018, 66, 4725-4733.	5.2	21
50	New insights into the associations among feed efficiency, metabolizable efficiency traits and related QTL regions in broiler chickens. Journal of Animal Science and Biotechnology, 2020, 11, 65.	5.3	21
51	Effect of storage time on the characteristics of corn and efficiency of its utilization in broiler chickens. Animal Nutrition, 2017, 3, 252-257.	5.1	20
52	Phylogenetic and genomic analysis reveals high genomic openness and genetic diversity of Clostridium perfringens. Microbial Genomics, 2020, 6, .	2.0	20
53	Effects of live yeast supplementation on lipopolysaccharide-induced inflammatory responses in broilers. Poultry Science, 2016, 95, 2557-2564.	3.4	19
54	Effect of different amylases on the utilization of cornstarch in broiler chickens. Poultry Science, 2017, 96, 1139-1148.	3.4	19

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55	Dietary genistein supplementation for breeders and their offspring improves the growth performance and immune function of broilers. Scientific Reports, 2018, 8, 5161.	3.3	19
56	Research on the Applications of Calcium Propionate in Dairy Cows: A Review. Animals, 2020, 10, 1336.	2.3	19
57	DNA methylation and histone modification patterns during the late embryonic and early postnatal development of chickens. Poultry Science, 2015, 94, 706-721.	3.4	18
58	Metagenome sequencing to analyze the impacts of thiamine supplementation on ruminal fungi in dairy cows fed high-concentrate diets. AMB Express, 2018, 8, 159.	3.0	18
59	Dietary genistein supplementation in laying broiler breeder hens alters the development and metabolism of offspring embryos as revealed by hepatic transcriptome analysis. FASEB Journal, 2018, 32, 4214-4228.	0.5	18
60	Effects of dietary phosphorous supplementation on laying performance, egg quality, bone health and immune responses of laying hens challenged with Escherichia coli lipopolysaccharide. Journal of Animal Science and Biotechnology, 2018, 9, 53.	5.3	18
61	Severe riboflavin deficiency induces alterations in the hepatic proteome of starter Pekin ducks. British Journal of Nutrition, 2017, 118, 641-650.	2.3	17
62	Ascorbic acid synthesis and transportation capacity in old laying hens and the effects of dietary supplementation with ascorbic acid. Journal of Animal Science and Biotechnology, 2018, 9, 71.	5.3	17
63	Dynamic accumulation of fatty acids in duck (Anas platyrhynchos) breast muscle and its correlations with gene expression. BMC Genomics, 2020, 21, 58.	2.8	17
64	Identification of QTL regions and candidate genes for growth and feed efficiency in broilers. Genetics Selection Evolution, 2021, 53, 13.	3.0	17
65	Differential immune responses of C57BL/6 mice to infection bySalmonella entericaserovar Typhimurium strain SL1344, CVCC541 and CMCC50115. Virulence, 2019, 10, 248-259.	4.4	16
66	Mycotoxins binder supplementation alleviates aflatoxin B1 toxic effects on the immune response and intestinal barrier function in broilers. Poultry Science, 2022, 101, 101683.	3.4	16
67	Influence of starch sources and dietary protein levels on intestinal functionality and intestinal mucosal amino acids catabolism in broiler chickens. Journal of Animal Science and Biotechnology, 2019, 10, 26.	5.3	15
68	Regulation of the Paneth cell niche by exogenous <scp>L</scp> â€arginine couples the intestinal stem cell function. FASEB Journal, 2020, 34, 10299-10315.	0.5	15
69	Exogenous L-arginine increases intestinal stem cell function through CD90+ stromal cells producing mTORC1-induced Wnt2b. Communications Biology, 2020, 3, 611.	4.4	15
70	Dietary supplementation with vitamin C ameliorates the adverse effects of Salmonella Enteritidis-challenge in broilers by shaping intestinal microbiota. Poultry Science, 2020, 99, 3663-3674.	3.4	15
71	Dietary supplementalKluyveromyces marxianusalters the serum metabolite profile in broiler chickens. Food and Function, 2018, 9, 3776-3787.	4.6	14
72	Dietary supplementation of essential oils and lysozyme reduces mortality and improves intestinal integrity of broiler chickens with necrotic enteritis. Animal Science Journal, 2021, 92, e13499.	1.4	14

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73	Soya saponin improves egg-laying performance and immune function of laying hens. Journal of Animal Science and Biotechnology, 2021, 12, 126.	5.3	14
74	The association between microbial community and ileal gene expression on intestinal wall thickness alterations in chickens. Poultry Science, 2020, 99, 1847-1861.	3.4	13
75	Advances in Enhanced Menaquinone-7 Production From Bacillus subtilis. Frontiers in Bioengineering and Biotechnology, 2021, 9, 695526.	4.1	13
76	Effects of age on intestinal phosphate transport and biochemical values of broiler chickens. Asian-Australasian Journal of Animal Sciences, 2017, 30, 221-228.	2.4	11
77	Metagenomic insights into effects of thiamine supplementation on ruminal non-methanogen archaea in high-concentrate diets feeding dairy cows. BMC Veterinary Research, 2019, 15, 7.	1.9	10
78	Metabolome and Microbiota Analysis Reveals the Conducive Effect of Pediococcus acidilactici BCC-1 and Xylan Oligosaccharides on Broiler Chickens. Frontiers in Microbiology, 2021, 12, 683905.	3.5	10
79	Yeast Î²-Glucan Altered Intestinal Microbiome and Metabolome in Older Hens. Frontiers in Microbiology, 2021, 12, 766878.	3.5	10
80	Effects of housing systems and glucose oxidase on growth performance and intestinal health of Beijing You Chickens. Poultry Science, 2021, 100, 100943.	3.4	9
81	Effects of Dietary Zinc on Performance, Zinc Transporters Expression, and Immune Response of Aged Laying Hens. Biological Trace Element Research, 2020, 196, 231-242.	3.5	8
82	Dietary Tributyrin Administration Improves Intestinal Morphology and Selected Bacterial and Short-Chain Fatty Acid Profiles in Broilers Under an Isocaloric Feeding Regime. Frontiers in Microbiology, 2021, 12, 715712.	3.5	8
83	Maternal Selenium Supplementation Enhanced Skeletal Muscle Development Through Increasing Protein Synthesis and SelW mRNA Levels of their Offspring. Biological Trace Element Research, 2018, 186, 238-248.	3.5	7
84	Methionine deficiency and its hydroxy analogue influence chicken intestinal 3-dimensional organoid development. Animal Nutrition, 2022, 8, 38-51.	5.1	7
85	Effects of dietary glucose oxidase on growth performance and intestinal health of AA broilers challenged by Clostridium perfringens. Poultry Science, 2022, 101, 101553.	3.4	7
86	Effects of calcium propionate on milk performance and serum metabolome of dairy cows in early lactation. Animal Feed Science and Technology, 2022, 283, 115185.	2.2	7
87	Effects of live yeast on immune responses and intestinal morphological structure in lipopolysaccharide (LPS)-challenged broilers. Canadian Journal of Animal Science, 2016, , .	1.5	6
88	Effect of Dietary Nutrient Density on Small Intestinal Phosphate Transport and Bone Mineralization of Broilers during the Growing Period. PLoS ONE, 2016, 11, e0153859.	2.5	6
89	Dietary soya saponin improves the lipid metabolism and intestinal health of laying hens. Poultry Science, 2022, 101, 101663.	3.4	6
90	Combinatory Evaluation of Transcriptome and Metabolome Profiles of Low Temperature-induced Resistant Ascites Syndrome in Broiler Chickens. Scientific Reports, 2017, 7, 2389.	3.3	5

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91	Simplified Head-to-Tail Cyclic Polypeptides as Biomaterial-Associated Antimicrobials with Endotoxin Neutralizing and Anti-Inflammatory Capabilities. International Journal of Molecular Sciences, 2019, 20, 5904.	4.1	5
92	The duration of food withdrawal affects the intestinal structure, nutrients absorption, and utilization in broiler chicken. FASEB Journal, 2021, 35, e21178.	0.5	5
93	Comparison and Correlation Analysis of Immune Function and Gut Microbiota of Broiler Chickens Raised in Double-Layer Cages and Litter Floor Pens. Microbiology Spectrum, 2022, 10, .	3.0	5
94	Effects of phytonutrients on growth performance, antioxidative status, and energy utilization of broilers fed low energy diets. Animal Nutrition, 2019, 5, 270-277.	5.1	4
95	Soya saponin fails to improve the antioxidation and immune function of laying hens with antibiotics treated. Poultry Science, 2022, 101, 101921.	3.4	4
96	Characterization of Duck (Anas platyrhynchos) Short Tandem Repeat Variation by Population-Scale Genome Resequencing. Frontiers in Genetics, 2018, 9, 520.	2.3	3
97	Comparative Study of Different Maternal Zinc Resource Supplementation on Performance and Breast Muscle Development of their Offspring. Biological Trace Element Research, 2019, 190, 197-207.	3.5	3
98	Impact of Different Durations of Fasting on Intestinal Autophagy and Serum Metabolome in Broiler Chicken. Animals, 2021, 11, 2183.	2.3	3
99	Fecal Microbiota Transplantation Reshapes the Physiological Function of the Intestine in Antibiotic-Treated Specific Pathogen-Free Birds. Frontiers in Immunology, 0, 13, .	4.8	3
100	Metabolizable and Net Energy Values of Expanded Cottonseed Meal for Laying Hens and Broiler Chickens. Journal of Poultry Science, 2022, 59, 143-151.	1.6	2
101	Involvement of the PKCâ€“NFâ€“ÎºB signaling pathway in the regulation of T lymphocytes proliferation of chickens by conjugated linoleic acids. Food and Agricultural Immunology, 2016, 27, 40-51.	1.4	1
102	Determination of metabolisable and net energy contents of corn fed to Arbor Acres broilers and Beijing You chickens. Journal of Animal Physiology and Animal Nutrition, 0, , .	2.2	1
103	L-Arginine Enhances Intestinal Stem Cell Function. SSRN Electronic Journal, 0, , .	0.4	0