

# Yuming Guo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1714111/publications.pdf>

Version: 2024-02-01

103  
papers

3,470  
citations

117571

34  
h-index

175177

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. <i>Microbiome</i> , 2018, 6, 211.	4.9	204
2	Effects of thymol and carvacrol supplementation on intestinal integrity and immune responses of broiler chickens challenged with <i>Clostridium perfringens</i> . <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 19.	2.1	166
3	In vitro antibacterial activity of thymol and carvacrol and their effects on broiler chickens challenged with <i>Clostridium perfringens</i> . <i>Journal of Animal Science and Biotechnology</i> , 2015, 6, 58.	2.1	113
4	Zinc enhances intestinal epithelial barrier function through the PI3K/AKT/mTOR signaling pathway in Caco-2 cells. <i>Journal of Nutritional Biochemistry</i> , 2017, 43, 18-26.	1.9	113
5	Exogenous lysozyme influences <i>Clostridium perfringens</i> colonization and intestinal barrier function in broiler chickens. <i>Avian Pathology</i> , 2010, 39, 17-24.	0.8	105
6	Dietary live yeast and mannan-oligosaccharide supplementation attenuate intestinal inflammation and barrier dysfunction induced by <i>Escherichia coli</i> in broilers. <i>British Journal of Nutrition</i> , 2016, 116, 1878-1888.	1.2	98
7	Dietary L-arginine supplementation attenuates lipopolysaccharide-induced inflammatory response in broiler chickens. <i>British Journal of Nutrition</i> , 2014, 111, 1394-1404.	1.2	91
8	Xylanase supplementation to a wheat-based diet alleviated the intestinal mucosal barrier impairment of broiler chickens challenged by <i>Clostridium perfringens</i> . <i>Avian Pathology</i> , 2012, 41, 291-298.	0.8	89
9	Dietary encapsulated essential oils and organic acids mixture improves gut health in broiler chickens challenged with necrotic enteritis. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 18.	2.1	86
10	Effects of <i>Bacillus coagulans</i> supplementation on the growth performance and gut health of broiler chickens with <i>Clostridium perfringens</i> -induced necrotic enteritis. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 9.	2.1	82
11	Secretions of <i>Bifidobacterium infantis</i> and <i>Lactobacillus acidophilus</i> Protect Intestinal Epithelial Barrier Function. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 64, 404-412.	0.9	81
12	Effects of <i>Lactobacillus acidophilus</i> on the growth performance and intestinal health of broilers challenged with <i>Clostridium perfringens</i> . <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 25.	2.1	81
13	Effects of <i>Lactobacillus acidophilus</i> on gut microbiota composition in broilers challenged with <i>Clostridium perfringens</i> . <i>PLoS ONE</i> , 2017, 12, e0188634.	1.1	75
14	Effect of dietary <i>Bacillus coagulans</i> supplementation on growth performance and immune responses of broiler chickens challenged by <i>Salmonella enteritidis</i> . <i>Poultry Science</i> , 2018, 97, 2654-2666.	1.5	72
15	Effect of microencapsulated sodium butyrate dietary supplementation on growth performance and intestinal barrier function of broiler chickens infected with necrotic enteritis. <i>Animal Feed Science and Technology</i> , 2017, 232, 6-15.	1.1	70
16	Yeast $\beta$ -D-glucans induced antimicrobial peptide expressions against <i>Salmonella</i> infection in broiler chickens. <i>International Journal of Biological Macromolecules</i> , 2016, 85, 573-584.	3.6	67
17	Effects of dietary yeast $\beta$ -glucans supplementation on growth performance, gut morphology, intestinal <i>Clostridium perfringens</i> population and immune response of broiler chickens challenged with necrotic enteritis. <i>Animal Feed Science and Technology</i> , 2016, 215, 144-155.	1.1	64
18	Dietary L-arginine inhibits intestinal <i>Clostridium perfringens</i> colonisation and attenuates intestinal mucosal injury in broiler chickens. <i>British Journal of Nutrition</i> , 2017, 118, 321-332.	1.2	64

#	ARTICLE	IF	CITATIONS
19	Dietary L-arginine Supplementation Alleviates the Intestinal Injury and Modulates the Gut Microbiota in Broiler Chickens Challenged by <i>Clostridium perfringens</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1716.	1.5	64
20	Supplemental thymol and carvacrol increases ileum <i>Lactobacillus</i> population and reduces effect of necrotic enteritis caused by <i>Clostridium perfringens</i> in chickens. <i>Scientific Reports</i> , 2017, 7, 7334.	1.6	56
21	Metagenome-assembled genomes and gene catalog from the chicken gut microbiome aid in deciphering antibiotic resistomes. <i>Communications Biology</i> , 2021, 4, 1305.	2.0	49
22	Dietary Genistein Alleviates Lipid Metabolism Disorder and Inflammatory Response in Laying Hens With Fatty Liver Syndrome. <i>Frontiers in Physiology</i> , 2018, 9, 1493.	1.3	48
23	Effects of age on immune function in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 42.	2.1	48
24	Combination of Xylanase and Debranching Enzymes Specific to Wheat Arabinoxylan Improve the Growth Performance and Gut Health of Broilers. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4932-4942.	2.4	45
25	Two <i>Lactobacillus</i> Species Inhibit the Growth and $\hat{\iota}$ -Toxin Production of <i>Clostridium perfringens</i> and Induced Proinflammatory Factors in Chicken Intestinal Epithelial Cells in Vitro. <i>Frontiers in Microbiology</i> , 2017, 8, 2081.	1.5	44
26	Effects of dietary essential oil and enzyme supplementation on growth performance and gut health of broilers challenged by <i>Clostridium perfringens</i> . <i>Animal Feed Science and Technology</i> , 2015, 207, 234-244.	1.1	43
27	Pretreatment with probiotic <i>Enterococcus faecium</i> NCIMB 11181 ameliorates necrotic enteritis-induced intestinal barrier injury in broiler chickens. <i>Scientific Reports</i> , 2019, 9, 10256.	1.6	43
28	Secreted Metabolites of <i>Bifidobacterium infantis</i> and <i>Lactobacillus acidophilus</i> Protect Immature Human Enterocytes from IL-1 $\hat{\iota}$ -Induced Inflammation: A Transcription Profiling Analysis. <i>PLoS ONE</i> , 2015, 10, e0124549.	1.1	41
29	Inflammatory responses to a <i>Clostridium perfringens</i> type A strain and $\hat{\iota}$ -toxin in primary intestinal epithelial cells of chicken embryos. <i>Avian Pathology</i> , 2015, 44, 81-91.	0.8	40
30	Dietary fiber and chicken microbiome interaction: Where will it lead to?. <i>Animal Nutrition</i> , 2020, 6, 1-8.	2.1	40
31	Dietary L-arginine supplementation ameliorates inflammatory response and alters gut microbiota composition in broiler chickens infected with <i>Salmonella enterica</i> serovar Typhimurium. <i>Poultry Science</i> , 2020, 99, 1862-1874.	1.5	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. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 24.	2.1	39
33	Intramuscular preadipocytes impede differentiation and promote lipid deposition of muscle satellite cells in chickens. <i>BMC Genomics</i> , 2018, 19, 838.	1.2	39
34	Effects of dietary <i>Enterococcus faecium</i> NCIMB 11181 supplementation on growth performance and cellular and humoral immune responses in broiler chickens. <i>Poultry Science</i> , 2019, 98, 150-163.	1.5	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. <i>Poultry Science</i> , 2022, 101, 101563.	1.5	37
36	Transcriptomics-Related Mechanisms of Supplementing Laying Broiler Breeder Hens with Dietary Daidzein to Improve the Immune Function and Growth Performance of Offspring. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 2049-2060.	2.4	36

#	ARTICLE	IF	CITATIONS
37	Probiotics <i>Bacillus licheniformis</i> Improves Intestinal Health of Subclinical Necrotic Enteritis-Challenged Broilers. <i>Frontiers in Microbiology</i> , 2021, 12, 623739.	1.5	36
38	Effects of dietary l-tryptophan supplementation on intestinal response to chronic unpredictable stress in broilers. <i>Amino Acids</i> , 2017, 49, 1227-1236.	1.2	34
39	GC-MS analysis of the ruminal metabolome response to thiamine supplementation during high grain feeding in dairy cows. <i>Metabolomics</i> , 2018, 14, 67.	1.4	31
40	Dietary vitamin D3 supplementation protects laying hens against lipopolysaccharide-induced immunological stress. <i>Nutrition and Metabolism</i> , 2018, 15, 58.	1.3	31
41	In vivo and in vitro protective effect of arginine against intestinal inflammatory response induced by <i>Clostridium perfringens</i> in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 73.	2.1	31
42	Role of Vitamin K in Intestinal Health. <i>Frontiers in Immunology</i> , 2021, 12, 791565.	2.2	30
43	Effects of dietary vitamins supplementation level on the production performance and intestinal microbiota of aged laying hens. <i>Poultry Science</i> , 2020, 99, 3594-3605.	1.5	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. <i>Frontiers in Immunology</i> , 2019, 10, 838.	2.2	27
45	Effects of Propylene Glycol on Negative Energy Balance of Postpartum Dairy Cows. <i>Animals</i> , 2020, 10, 1526.	1.0	25
46	Dietary yeast $\beta$ -glucan supplementation improves eggshell color and fertile eggs hatchability as well as enhances immune functions in breeder laying hens. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 607-621.	3.6	25
47	Supplementing Genistein for Breeder Hens Alters the Fatty Acid Metabolism and Growth Performance of Offsprings by Epigenetic Modification. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-15.	1.9	24
48	Effects of <i>Kluyveromyces marxianus</i> supplementation on immune responses, intestinal structure and microbiota in broiler chickens. <i>PLoS ONE</i> , 2017, 12, e0180884.	1.1	21
49	Transcriptomic Analysis of Xylan Oligosaccharide Utilization Systems in <i>Pediococcus acidilactici</i> Strain BCC-1. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4725-4733.	2.4	21
50	New insights into the associations among feed efficiency, metabolizable efficiency traits and related QTL regions in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 65.	2.1	21
51	Effect of storage time on the characteristics of corn and efficiency of its utilization in broiler chickens. <i>Animal Nutrition</i> , 2017, 3, 252-257.	2.1	20
52	Phylogenetic and genomic analysis reveals high genomic openness and genetic diversity of <i>Clostridium perfringens</i> . <i>Microbial Genomics</i> , 2020, 6, .	1.0	20
53	Effects of live yeast supplementation on lipopolysaccharide-induced inflammatory responses in broilers. <i>Poultry Science</i> , 2016, 95, 2557-2564.	1.5	19
54	Effect of different amylases on the utilization of cornstarch in broiler chickens. <i>Poultry Science</i> , 2017, 96, 1139-1148.	1.5	19

#	ARTICLE	IF	CITATIONS
55	Dietary genistein supplementation for breeders and their offspring improves the growth performance and immune function of broilers. <i>Scientific Reports</i> , 2018, 8, 5161.	1.6	19
56	Research on the Applications of Calcium Propionate in Dairy Cows: A Review. <i>Animals</i> , 2020, 10, 1336.	1.0	19
57	DNA methylation and histone modification patterns during the late embryonic and early postnatal development of chickens. <i>Poultry Science</i> , 2015, 94, 706-721.	1.5	18
58	Metagenome sequencing to analyze the impacts of thiamine supplementation on ruminal fungi in dairy cows fed high-concentrate diets. <i>AMB Express</i> , 2018, 8, 159.	1.4	18
59	Dietary genistein supplementation in laying broiler breeder hens alters the development and metabolism of offspring embryos as revealed by hepatic transcriptome analysis. <i>FASEB Journal</i> , 2018, 32, 4214-4228.	0.2	18
60	Effects of dietary phosphorous supplementation on laying performance, egg quality, bone health and immune responses of laying hens challenged with <i>Escherichia coli</i> lipopolysaccharide. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 53.	2.1	18
61	Severe riboflavin deficiency induces alterations in the hepatic proteome of starter Pekin ducks. <i>British Journal of Nutrition</i> , 2017, 118, 641-650.	1.2	17
62	Ascorbic acid synthesis and transportation capacity in old laying hens and the effects of dietary supplementation with ascorbic acid. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 71.	2.1	17
63	Dynamic accumulation of fatty acids in duck ( <i>Anas platyrhynchos</i> ) breast muscle and its correlations with gene expression. <i>BMC Genomics</i> , 2020, 21, 58.	1.2	17
64	Identification of QTL regions and candidate genes for growth and feed efficiency in broilers. <i>Genetics Selection Evolution</i> , 2021, 53, 13.	1.2	17
65	Differential immune responses of C57BL/6 mice to infection by <i>Salmonella enterica</i> serovar Typhimurium strain SL1344, CVCC541 and CMCC50115. <i>Virulence</i> , 2019, 10, 248-259.	1.8	16
66	Mycotoxins binder supplementation alleviates aflatoxin B1 toxic effects on the immune response and intestinal barrier function in broilers. <i>Poultry Science</i> , 2022, 101, 101683.	1.5	16
67	Influence of starch sources and dietary protein levels on intestinal functionality and intestinal mucosal amino acids catabolism in broiler chickens. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 26.	2.1	15
68	Regulation of the Paneth cell niche by exogenous L-arginine couples the intestinal stem cell function. <i>FASEB Journal</i> , 2020, 34, 10299-10315.	0.2	15
69	Exogenous L-arginine increases intestinal stem cell function through CD90+ stromal cells producing mTORC1-induced Wnt2b. <i>Communications Biology</i> , 2020, 3, 611.	2.0	15
70	Dietary supplementation with vitamin C ameliorates the adverse effects of <i>Salmonella</i> Enteritidis-challenge in broilers by shaping intestinal microbiota. <i>Poultry Science</i> , 2020, 99, 3663-3674.	1.5	15
71	Dietary supplemental <i>Kluyveromyces marxianus</i> alters the serum metabolite profile in broiler chickens. <i>Food and Function</i> , 2018, 9, 3776-3787.	2.1	14
72	Dietary supplementation of essential oils and lysozyme reduces mortality and improves intestinal integrity of broiler chickens with necrotic enteritis. <i>Animal Science Journal</i> , 2021, 92, e13499.	0.6	14

#	ARTICLE	IF	CITATIONS
73	Soya saponin improves egg-laying performance and immune function of laying hens. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 126.	2.1	14
74	The association between microbial community and ileal gene expression on intestinal wall thickness alterations in chickens. <i>Poultry Science</i> , 2020, 99, 1847-1861.	1.5	13
75	Advances in Enhanced Menaquinone-7 Production From <i>Bacillus subtilis</i> . <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 695526.	2.0	13
76	Effects of age on intestinal phosphate transport and biochemical values of broiler chickens. <i>Asian-Australasian Journal of Animal Sciences</i> , 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. <i>BMC Veterinary Research</i> , 2019, 15, 7.	0.7	10
78	Metabolome and Microbiota Analysis Reveals the Conducive Effect of <i>Pediococcus acidilactici</i> BCC-1 and Xylan Oligosaccharides on Broiler Chickens. <i>Frontiers in Microbiology</i> , 2021, 12, 683905.	1.5	10
79	Yeast $\beta$ -Glucan Altered Intestinal Microbiome and Metabolome in Older Hens. <i>Frontiers in Microbiology</i> , 2021, 12, 766878.	1.5	10
80	Effects of housing systems and glucose oxidase on growth performance and intestinal health of Beijing You Chickens. <i>Poultry Science</i> , 2021, 100, 100943.	1.5	9
81	Effects of Dietary Zinc on Performance, Zinc Transporters Expression, and Immune Response of Aged Laying Hens. <i>Biological Trace Element Research</i> , 2020, 196, 231-242.	1.9	8
82	Dietary Tributyrin Administration Improves Intestinal Morphology and Selected Bacterial and Short-Chain Fatty Acid Profiles in Broilers Under an Isocaloric Feeding Regime. <i>Frontiers in Microbiology</i> , 2021, 12, 715712.	1.5	8
83	Maternal Selenium Supplementation Enhanced Skeletal Muscle Development Through Increasing Protein Synthesis and SelW mRNA Levels of their Offspring. <i>Biological Trace Element Research</i> , 2018, 186, 238-248.	1.9	7
84	Methionine deficiency and its hydroxy analogue influence chicken intestinal 3-dimensional organoid development. <i>Animal Nutrition</i> , 2022, 8, 38-51.	2.1	7
85	Effects of dietary glucose oxidase on growth performance and intestinal health of AA broilers challenged by <i>Clostridium perfringens</i> . <i>Poultry Science</i> , 2022, 101, 101553.	1.5	7
86	Effects of calcium propionate on milk performance and serum metabolome of dairy cows in early lactation. <i>Animal Feed Science and Technology</i> , 2022, 283, 115185.	1.1	7
87	Effects of live yeast on immune responses and intestinal morphological structure in lipopolysaccharide (LPS)-challenged broilers. <i>Canadian Journal of Animal Science</i> , 2016, , .	0.7	6
88	Effect of Dietary Nutrient Density on Small Intestinal Phosphate Transport and Bone Mineralization of Broilers during the Growing Period. <i>PLoS ONE</i> , 2016, 11, e0153859.	1.1	6
89	Dietary soya saponin improves the lipid metabolism and intestinal health of laying hens. <i>Poultry Science</i> , 2022, 101, 101663.	1.5	6
90	Combinatory Evaluation of Transcriptome and Metabolome Profiles of Low Temperature-induced Resistant Ascites Syndrome in Broiler Chickens. <i>Scientific Reports</i> , 2017, 7, 2389.	1.6	5

#	ARTICLE	IF	CITATIONS
91	Simplified Head-to-Tail Cyclic Polypeptides as Biomaterial-Associated Antimicrobials with Endotoxin Neutralizing and Anti-Inflammatory Capabilities. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5904.	1.8	5
92	The duration of food withdrawal affects the intestinal structure, nutrients absorption, and utilization in broiler chicken. <i>FASEB Journal</i> , 2021, 35, e21178.	0.2	5
93	Comparison and Correlation Analysis of Immune Function and Gut Microbiota of Broiler Chickens Raised in Double-Layer Cages and Litter Floor Pens. <i>Microbiology Spectrum</i> , 2022, 10, .	1.2	5
94	Effects of phytonutrients on growth performance, antioxidative status, and energy utilization of broilers fed low energy diets. <i>Animal Nutrition</i> , 2019, 5, 270-277.	2.1	4
95	Soya saponin fails to improve the antioxidation and immune function of laying hens with antibiotics treated. <i>Poultry Science</i> , 2022, 101, 101921.	1.5	4
96	Characterization of Duck ( <i>Anas platyrhynchos</i> ) Short Tandem Repeat Variation by Population-Scale Genome Resequencing. <i>Frontiers in Genetics</i> , 2018, 9, 520.	1.1	3
97	Comparative Study of Different Maternal Zinc Resource Supplementation on Performance and Breast Muscle Development of their Offspring. <i>Biological Trace Element Research</i> , 2019, 190, 197-207.	1.9	3
98	Impact of Different Durations of Fasting on Intestinal Autophagy and Serum Metabolome in Broiler Chicken. <i>Animals</i> , 2021, 11, 2183.	1.0	3
99	Fecal Microbiota Transplantation Reshapes the Physiological Function of the Intestine in Antibiotic-Treated Specific Pathogen-Free Birds. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	3
100	Metabolizable and Net Energy Values of Expanded Cottonseed Meal for Laying Hens and Broiler Chickens. <i>Journal of Poultry Science</i> , 2022, 59, 143-151.	0.7	2
101	Involvement of the PKC $\epsilon$ /NF $\kappa$ B signaling pathway in the regulation of T lymphocytes proliferation of chickens by conjugated linoleic acids. <i>Food and Agricultural Immunology</i> , 2016, 27, 40-51.	0.7	1
102	Determination of metabolisable and net energy contents of corn fed to Arbor Acres broilers and Beijing You chickens. <i>Journal of Animal Physiology and Animal Nutrition</i> , 0, , .	1.0	1
103	L-Arginine Enhances Intestinal Stem Cell Function. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0