

Gang Tian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62

papers

690

citations

15

h-index

23

g-index

69

ext. papers

1,045

ext. citations

4.5

avg, IF

3.8

L-index

#	Paper	IF	Citations
62	All-Trans Retinoic Acid Attenuates Transmissible Gastroenteritis Virus-Induced Inflammation in IPEC-J2 Cells Suppressing the RLRs/NF- κ B Signaling Pathway.. <i>Frontiers in Immunology</i> , 2022 , 13, 734171	8.4	0
61	Zinc Methionine Improves the Growth Performance of Meat Ducks by Enhancing the Antioxidant Capacity and Intestinal Barrier Function.. <i>Frontiers in Veterinary Science</i> , 2022 , 9, 774160	3.1	0
60	Spermine protects intestinal barrier integrity through ras-related C3 botulinum toxin substrate 1/phospholipase C- β signaling pathway in piglets.. <i>Animal Nutrition</i> , 2022 , 8, 135-143	4.8	0
59	Selenium exerts protective effects against heat stress-induced barrier disruption and inflammation response in jejunum of growing pigs. <i>Journal of the Science of Food and Agriculture</i> , 2022 , 102, 496-504	4.3	4
58	Differential Effect of Dietary Fibers in Intestinal Health of Growing Pigs: Outcomes in the Gut Microbiota and Immune-Related Indexes.. <i>Frontiers in Microbiology</i> , 2022 , 13, 843045	5.7	0
57	Dietary Tryptophan Supplementation Improves Antioxidant Status and Alleviates Inflammation, Endoplasmic Reticulum Stress, Apoptosis, and Pyroptosis in the Intestine of Piglets after Lipopolysaccharide Challenge. <i>Antioxidants</i> , 2022 , 11, 872	7.1	0
56	Tryptophan Ameliorates Barrier Integrity and Alleviates the Inflammatory Response to Enterotoxigenic K88 Through the CaSR/Rac1/PLC- β Signaling Pathway in Porcine Intestinal Epithelial Cells. <i>Frontiers in Immunology</i> , 2021 , 12, 748497	8.4	4
55	Effects of dietary Bacillus coagulans and yeast hydrolysate supplementation on growth performance, immune response and intestinal barrier function in weaned piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2021 , 105, 898-907	2.6	5
54	Selenium alleviates the negative effect of heat stress on myogenic differentiation of C2C12 cells with the response of selenogenome. <i>Journal of Thermal Biology</i> , 2021 , 97, 102874	2.9	4
53	Effect of manganese supplementation on the carcass traits, meat quality, intramuscular fat, and tissue manganese accumulation of Pekin duck. <i>Poultry Science</i> , 2021 , 100, 101064	3.9	4
52	Selenogenome and AMPK signal insight into the protective effect of dietary selenium on chronic heat stress-induced hepatic metabolic disorder in growing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 68	6	1
51	Methionine Protects Mammary Cells against Oxidative Stress through Producing S-Adenosylmethionine to Maintain mTORC1 Signaling Activity. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 5550196	6.7	1
50	Glucagon-like peptide 2 attenuates intestinal mucosal barrier injury through the MLCK/pMLC signaling pathway in a piglet model. <i>Journal of Cellular Physiology</i> , 2021 , 236, 3015-3032	7	8
49	Tryptophan improves porcine intestinal epithelial cell restitution through the CaSR/Rac1/PLC- β signaling pathway. <i>Food and Function</i> , 2021 , 12, 8787-8799	6.1	4
48	Effects of dry yeast supplementation on growth performance, rumen fermentation characteristics, slaughter performance and microbial communities in beef cattle. <i>Animal Biotechnology</i> , 2021 , 1-11	1.4	3
47	Effect of zinc supplementation on growth performance, intestinal development, and intestinal barrier function in Pekin ducks with lipopolysaccharide challenge. <i>Poultry Science</i> , 2021 , 100, 101462	3.9	0
46	Differential responses of weaned piglets to supplemental porcine or chicken plasma in diets without inclusion of antibiotics and zinc oxide. <i>Animal Nutrition</i> , 2021 , 7, 1173-1181	4.8	0

45	1,25-Dihydroxyvitamin D inhibits porcine epidemic diarrhea virus replication by regulating cell cycle resumption in IPEC-J2 porcine epithelial cells. <i>Microbial Pathogenesis</i> , 2021 , 158, 105017	3.8	1
44	Chitosan oligosaccharide attenuates endoplasmic reticulum stress-associated intestinal apoptosis the Akt/mTOR pathway. <i>Food and Function</i> , 2021 , 12, 8647-8658	6.1	0
43	Effects of Chronic Exposure to Low Levels of Dietary Aflatoxin B on Growth Performance, Apparent Total Tract Digestibility and Intestinal Health in Pigs. <i>Animals</i> , 2021 , 11,	3.1	5
42	Active or Autoclaved Relieves TNF- α -Induced Inflammation in Intestinal Epithelial Cells Through Distinct Pathways.. <i>Frontiers in Immunology</i> , 2021 , 12, 788638	8.4	1
41	Dietary protein levels and amino acid supplementation patterns alter the composition and functions of colonic microbiota in pigs. <i>Animal Nutrition</i> , 2020 , 6, 143-151	4.8	12
40	Effects of Drinking Water Temperature and Flow Rate during Cold Season on Growth Performance, Nutrient Digestibility and Cecum Microflora of Weaned Piglets. <i>Animals</i> , 2020 , 10,	3.1	1
39	Effects of benzoic acid, coagulans and oregano oil combined supplementation on growth performance, immune status and intestinal barrier integrity of weaned piglets. <i>Animal Nutrition</i> , 2020 , 6, 152-159	4.8	15
38	Modeling net energy requirements of 2 to 3-week-old Cherry Valley ducks. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020 , 33, 1624-1632	2.4	1
37	The Hepatoprotective Effects of Zinc Glycine on Liver Injury in Meat Duck Through Alleviating Hepatic Lipid Deposition and Inflammation. <i>Biological Trace Element Research</i> , 2020 , 195, 569-578	4.5	3
36	Dietary 25-Hydroxyvitamin D Supplementation Alleviates Porcine Epidemic Diarrhea Virus Infection by Improving Intestinal Structure and Immune Response in Weaned Pigs. <i>Animals</i> , 2019 , 9,	3.1	8
35	Effects of Dietary Aged Maize with Oxidized Fish Oil on Growth Performance, Antioxidant Capacity and Intestinal Health in Weaned Piglets. <i>Animals</i> , 2019 , 9,	3.1	5
34	Effect of different dietary protein levels and amino acids supplementation patterns on growth performance, carcass characteristics and nitrogen excretion in growing-finishing pigs. <i>Journal of Animal Science and Biotechnology</i> , 2019 , 10, 75	6	11
33	Targeted metabolomics analysis of maternal-placental-fetal metabolism in pregnant swine reveals links in fetal bile acid homeostasis and sulfation capacity. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, G8-G16	5.1	7
32	Effects of dietary amylose and amylopectin ratio on growth performance, meat quality, postmortem glycolysis and muscle fibre type transformation of finishing pigs. <i>Archives of Animal Nutrition</i> , 2019 , 73, 194-207	2.7	7
31	The protective effect of selenium from heat stress-induced porcine small intestinal epithelial cell line (IPEC-J2) injury is associated with regulation expression of selenoproteins. <i>British Journal of Nutrition</i> , 2019 , 122, 1081-1090	3.6	12
30	Effect of dietary supplementation of or yeast hydrolysates on growth performance, antioxidant activity, cytokines and intestinal microflora of growing-finishing pigs. <i>Animal Nutrition</i> , 2019 , 5, 366-372	4.8	13
29	Mannan oligosaccharide supplementation in diets of sow and (or) their offspring improved immunity and regulated intestinal bacteria in piglet1. <i>Journal of Animal Science</i> , 2019 , 97, 4548-4556	0.7	13
28	Effects of particle size of ground alfalfa hay on caecal bacteria and archaea populations of rabbits. <i>PeerJ</i> , 2019 , 7, e7910	3.1	2

27	Soluble Fiber and Insoluble Fiber Regulate Colonic Microbiota and Barrier Function in a Piglet Model. <i>BioMed Research International</i> , 2019 , 2019, 7809171	3	20
26	Effect of Iron Supplementation on Growth Performance, Hematological Parameters, Nutrient Utilization, Organ Development, and Fe-Containing Enzyme Activity in Pekin Ducks. <i>Biological Trace Element Research</i> , 2019 , 189, 538-547	4.5	0
25	Effects of dietary 25-hydroxyvitamin D supplementation on growth performance, immune function and antioxidative capacity in weaned piglets. <i>Archives of Animal Nutrition</i> , 2019 , 73, 44-51	2.7	9
24	Effects of Dietary Zinc on Carcass Traits, Meat Quality, Antioxidant Status, and Tissue Zinc Accumulation of Pekin Ducks. <i>Biological Trace Element Research</i> , 2019 , 190, 187-196	4.5	11
23	Selenium Pretreatment Alleviated LPS-Induced Immunological Stress Via Upregulation of Several Selenoprotein Encoding Genes in Murine RAW264.7 Cells. <i>Biological Trace Element Research</i> , 2018 , 186, 505-513	4.5	8
22	Roles of dietary supplementation with arginine or N-carbamylglutamate in modulating the inflammation, antioxidant property, and mRNA expression of antioxidant-relative signaling molecules in the spleen of rats under oxidative stress. <i>Animal Nutrition</i> , 2018 , 4, 322-328	4.8	8
21	Effect of Zinc Supplementation on Growth Performance, Intestinal Development, and Intestinal Barrier-Related Gene Expression in Pekin Ducks. <i>Biological Trace Element Research</i> , 2018 , 183, 351-360	4.5	13
20	Damage to the myogenic differentiation of C2C12 cells by heat stress is associated with up-regulation of several selenoproteins. <i>Scientific Reports</i> , 2018 , 8, 10601	4.9	17
19	l-Isoleucine Administration Alleviates Rotavirus Infection and Immune Response in the Weaned Piglet Model. <i>Frontiers in Immunology</i> , 2018 , 9, 1654	8.4	21
18	Protective Effects of Benzoic Acid, Coagulans, and Oregano Oil on Intestinal Injury Caused by Enterotoxigenic in Weaned Piglets. <i>BioMed Research International</i> , 2018 , 2018, 1829632	3	19
17	The underlying microbial mechanism of epizootic rabbit enteropathy triggered by a low fiber diet. <i>Scientific Reports</i> , 2018 , 8, 12489	4.9	18
16	Fungi in Gastrointestinal Tracts of Human and Mice: from Community to Functions. <i>Microbial Ecology</i> , 2018 , 75, 821-829	4.4	49
15	Dietary Arginine Supplementation Affects Intestinal Function by Enhancing Antioxidant Capacity of a Nitric Oxide-Independent Pathway in Low-Birth-Weight Piglets. <i>Journal of Nutrition</i> , 2018 , 148, 1751-1759	4.1	15
14	Effects of the particle of ground alfalfa hay on the growth performance, methane production and archaeal populations of rabbits. <i>PLoS ONE</i> , 2018 , 13, e0203393	3.7	2
13	Adaptation of gut microbiome to different dietary nonstarch polysaccharide fractions in a porcine model. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1700012	5.9	20
12	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. <i>BMC Microbiology</i> , 2017 , 17, 17	4.5	11
11	Arginine metabolism and its protective effects on intestinal health and functions in weaned piglets under oxidative stress induced by diquat. <i>British Journal of Nutrition</i> , 2017 , 117, 1495-1502	3.6	45
10	Effects of raw material extrusion and steam conditioning on feed pellet quality and nutrient digestibility of growing meat rabbits. <i>Animal Nutrition</i> , 2017 , 3, 151-155	4.8	7

9	Dietary apple pectic oligosaccharide improves gut barrier function of rotavirus-challenged weaned pigs by increasing antioxidant capacity of enterocytes. <i>Oncotarget</i> , 2017 , 8, 92420-92430	3.3	19
8	Increased maternal consumption of methionine as its hydroxyl analog promoted neonatal intestinal growth without compromising maternal energy homeostasis. <i>Journal of Animal Science and Biotechnology</i> , 2016 , 7, 46	6	14
7	Trace Mineral Overload Induced Hepatic Oxidative Damage and Apoptosis in Pigs with Long-Term High-Level Dietary Mineral Exposure. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1841-9	5.7	13
6	Dietary <i>Lactobacillus rhamnosus</i> GG Supplementation Improves the Mucosal Barrier Function in the Intestine of Weaned Piglets Challenged by Porcine Rotavirus. <i>PLoS ONE</i> , 2016 , 11, e0146312	3.7	55
5	Vitamin D3 supplementation alleviates rotavirus infection in pigs and IPEC-J2 cells via regulating the autophagy signaling pathway. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016 , 163, 157-63 ¹	5.1	33
4	Differences in plasma metabolomics between sows fed DL-methionine and its hydroxy analogue reveal a strong association of milk composition and neonatal growth with maternal methionine nutrition. <i>British Journal of Nutrition</i> , 2015 , 113, 585-95	3.6	12
3	Postnatal nutritional restriction affects growth and immune function of piglets with intra-uterine growth restriction. <i>British Journal of Nutrition</i> , 2015 , 114, 53-62	3.6	35
2	Cost-effective lignocellulolytic enzyme production by <i>Trichoderma reesei</i> on a cane molasses medium. <i>Biotechnology for Biofuels</i> , 2014 , 7, 43	7.8	25
1	Changes in plasma amino acid profiles, growth performance and intestinal antioxidant capacity of piglets following increased consumption of methionine as its hydroxy analogue. <i>British Journal of Nutrition</i> , 2014 , 112, 855-67	3.6	34