

Gang Tian

List of Publications by Year in descending order

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68
papers

1,344
citations

331538

21
h-index

434063

31
g-index

69
all docs

69
docs citations

69
times ranked

1445
citing authors

#	ARTICLE	IF	CITATIONS
1	Fungi in Gastrointestinal Tracts of Human and Mice: from Community to Functions. <i>Microbial Ecology</i> , 2018, 75, 821-829.	1.4	94
2	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.	1.1	74
3	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.	1.2	62
4	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.	1.2	53
5	Vitamin D ₃ 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, 157-163.	1.2	48
6	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, 855-867.	1.2	43
7	Soluble Fiber and Insoluble Fiber Regulate Colonic Microbiota and Barrier Function in a Piglet Model. <i>BioMed Research International</i> , 2019, 2019, 1-12.	0.9	40
8	The underlying microbial mechanism of epizootic rabbit enteropathy triggered by a low fiber diet. <i>Scientific Reports</i> , 2018, 8, 12489.	1.6	37
9	Effects of benzoic acid, <i>Bacillus coagulans</i> 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.	2.1	37
10	I-soleucine Administration Alleviates Rotavirus Infection and Immune Response in the Weaned Piglet Model. <i>Frontiers in Immunology</i> , 2018, 9, 1654.	2.2	35
11	Effect of dietary supplementation of <i>Bacillus coagulans</i> or yeast hydrolysates on growth performance, antioxidant activity, cytokines and intestinal microflora of growing-finishing pigs. <i>Animal Nutrition</i> , 2019, 5, 366-372.	2.1	33
12	Adaptation of gut microbiome to different dietary nonstarch polysaccharide fractions in a porcine model. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1700012.	1.5	32
13	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.	1.2	32
14	Protective Effects of Benzoic Acid, <i>Bacillus Coagulans</i> , and Oregano Oil on Intestinal Injury Caused by Enterotoxigenic <i>Escherichia coli</i> in Weaned Piglets. <i>BioMed Research International</i> , 2018, 2018, 1-12.	0.9	29
15	Cost-effective lignocellulolytic enzyme production by <i>Trichoderma reesei</i> on a cane molasses medium. <i>Biotechnology for Biofuels</i> , 2014, 7, 43.	6.2	27
16	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.	0.2	27
17	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.	0.8	27
18	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.	1.6	25

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19	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.	2.1	25
20	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.	2.1	25
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.	1.9	24
22	Effects of Chronic Exposure to Low Levels of Dietary Aflatoxin B1 on Growth Performance, Apparent Total Tract Digestibility and Intestinal Health in Pigs. <i>Animals</i> , 2021, 11, 336.	1.0	24
23	'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.	1.3	22
24	Dietary pea fiber increases diversity of colonic methanogens of pigs with a shift from <i>Methanobrevibacter</i> to <i>Methanomassiliococcus</i> -like genus and change in numbers of three hydrogenotrophs. <i>BMC Microbiology</i> , 2017, 17, 17.	1.3	21
25	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.	1.9	20
26	Tryptophan Ameliorates Barrier Integrity and Alleviates the Inflammatory Response to Enterotoxigenic <i>Escherichia coli</i> K88 Through the CaSR/Rac1/PLC- β 1 Signaling Pathway in Porcine Intestinal Epithelial Cells. <i>Frontiers in Immunology</i> , 2021, 12, 748497.	2.2	20
27	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.	2.0	18
28	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.	1.6	17
29	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.	1.7	17
30	Hydroxy Selenomethionine Improves Meat Quality through Optimal Skeletal Metabolism and Functions of Selenoproteins of Pigs under Chronic Heat Stress. <i>Antioxidants</i> , 2021, 10, 1558.	2.2	17
31	Effects of dietary 25-hydroxyvitamin D ₃ supplementation on growth performance, immune function and antioxidative capacity in weaned piglets. <i>Archives of Animal Nutrition</i> , 2019, 73, 44-51.	0.9	16
32	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, 1841-1849.	2.4	15
33	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.	1.9	15
34	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.	2.1	15
35	Dietary 25-Hydroxyvitamin D3 Supplementation Alleviates Porcine Epidemic Diarrhea Virus Infection by Improving Intestinal Structure and Immune Response in Weaned Pigs. <i>Animals</i> , 2019, 9, 627.	1.0	15
36	Effects of dietary <i>Bacillus coagulans</i> 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.	1.0	15

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37	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.	1.5	15
38	Differences in plasma metabolomics between sows fed L-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, 585-595.	1.2	14
39	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.	2.1	14
40	Tryptophan improves porcine intestinal epithelial cell restitution through the CaSR/Rac1/PLC- β 1 signaling pathway. <i>Food and Function</i> , 2021, 12, 8787-8799.	2.1	13
41	All-Trans Retinoic Acid Attenuates Transmissible Gastroenteritis Virus-Induced Inflammation in IPEC-J2 Cells via Suppressing the RLRs/NF- κ B Signaling Pathway. <i>Frontiers in Immunology</i> , 2022, 13, 734171.	2.2	12
42	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.	2.2	12
43	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, 624.	1.0	11
44	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.	1.1	11
45	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.	1.5	11
46	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.	2.1	10
47	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.	0.9	10
48	Chitosan oligosaccharide attenuates endoplasmic reticulum stress-associated intestinal apoptosis via the Akt/mTOR pathway. <i>Food and Function</i> , 2021, 12, 8647-8658.	2.1	10
49	All-Trans Retinoic Acid Attenuates Transmissible Gastroenteritis Virus-Induced Apoptosis in IPEC-J2 Cells via Inhibiting ROS-Mediated P38MAPK Signaling Pathway. <i>Antioxidants</i> , 2022, 11, 345.	2.2	10
50	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.	1.9	9
51	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.	2.1	9
52	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.	2.1	8
53	Effect of dietary licorice flavonoids powder on performance, intestinal immunity and health of weaned piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2023, 107, 147-156.	1.0	8
54	Active or Autoclaved <i>Akkermansia muciniphila</i> Relieves TNF- α -Induced Inflammation in Intestinal Epithelial Cells Through Distinct Pathways. <i>Frontiers in Immunology</i> , 2021, 12, 788638.	2.2	8

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55	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.	0.9	7
56	Hydroxy Selenomethionine Alleviates Hepatic Lipid Metabolism Disorder of Pigs Induced by Dietary Oxidative Stress via Relieving the Endoplasmic Reticulum Stress. <i>Antioxidants</i> , 2022, 11, 552.	2.2	7
57	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, 1048.	1.0	6
58	Effects of dry yeast supplementation on growth performance, rumen fermentation characteristics, slaughter performance and microbial communities in beef cattle. <i>Animal Biotechnology</i> , 2022, 33, 1150-1160.	0.7	6
59	1,25-Dihydroxyvitamin D3 inhibits porcine epidemic diarrhea virus replication by regulating cell cycle resumption in IPEC-J2 porcine epithelial cells. <i>Microbial Pathogenesis</i> , 2021, 158, 105017.	1.3	5
60	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.	1.5	5
61	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, 1-14.	1.9	4
62	Spermine protects intestinal barrier integrity through ras-related C3 botulinum toxin substrate 1/phospholipase C- β 1 signaling pathway in piglets. <i>Animal Nutrition</i> , 2022, 8, 135-143.	2.1	3
63	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.	1.1	2
64	Effects of particle size of ground alfalfa hay on caecal bacteria and archaea populations of rabbits. <i>PeerJ</i> , 2019, 7, e7910.	0.9	2
65	Effects of dietary plant essential oil supplementation on growth performance, nutrient digestibility and meat quality in finishing pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2022, 106, 1246-1257.	1.0	2
66	Rapid detoxification of <i>Jatropha curcas</i> cake by fermentation with a combination of three microbial strains and characterization of their metabolic profiles. <i>Journal of Applied Microbiology</i> , 2022, 133, 743-757.	1.4	2
67	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.	1.9	1
68	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