

Hongrong Wang

List of Publications by Year in descending order

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77
papers

1,132
citations

430754

18
h-index

501076

28
g-index

80
all docs

80
docs citations

80
times ranked

1079
citing authors

#	ARTICLE	IF	CITATIONS
1	Megasphaera elsdenii Lactate Degradation Pattern Shifts in Rumen Acidosis Models. <i>Frontiers in Microbiology</i> , 2019, 10, 162.	1.5	91
2	Melatonin ameliorates ochratoxin A induced liver inflammation, oxidative stress and mitophagy in mice involving in intestinal microbiota and restoring the intestinal barrier function. <i>Journal of Hazardous Materials</i> , 2021, 407, 124489.	6.5	65
3	Effects of Dietary Arginine and N-Carbamylglutamate Supplementation on Intestinal Integrity, Immune Function, and Oxidative Status in Intrauterine-Growth-Retarded Suckling Lambs. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4145-4154.	2.4	56
4	Effects of Arginine Concentration on the In Vitro Expression of Casein and mTOR Pathway Related Genes in Mammary Epithelial Cells from Dairy Cattle. <i>PLoS ONE</i> , 2014, 9, e95985.	1.1	45
5	Effects of different dietary concentrate to forage ratio and thiamine supplementation on the rumen fermentation and ruminal bacterial community in dairy cows. <i>Animal Production Science</i> , 2015, 55, 189.	0.6	39
6	Arginine Relieves the Inflammatory Response and Enhances the Casein Expression in Bovine Mammary Epithelial Cells Induced by Lipopolysaccharide. <i>Mediators of Inflammation</i> , 2016, 2016, 1-10.	1.4	39
7	Jugular arginine infusion relieves lipopolysaccharide-triggered inflammatory stress and improves immunity status of lactating dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 5961-5970.	1.4	31
8	Influence of yeast culture and feed antibiotics on ruminal fermentation and site and extent of digestion in beef heifers fed high grain rations ¹ . <i>Journal of Animal Science</i> , 2018, 96, 3916-3927.	0.2	30
9	Arginine Protects Ovine Intestinal Epithelial Cells from Lipopolysaccharide-Induced Apoptosis through Alleviating Oxidative Stress. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1683-1690.	2.4	30
10	Effects of Glucose and Starch on Lactate Production by Newly Isolated <i>Streptococcus bovis</i> S1 from Saanen Goats. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5982-5989.	1.4	28
11	Thiamine ameliorates inflammation of the ruminal epithelium of Saanen goats suffering from subacute ruminal acidosis. <i>Journal of Dairy Science</i> , 2020, 103, 1931-1943.	1.4	28
12	Effects of supplementation of rumen-protected choline on growth performance, meat quality and gene expression in longissimus dorsi muscle of lambs. <i>Archives of Animal Nutrition</i> , 2015, 69, 340-350.	0.9	27
13	Specific enrichment of microbes and increased ruminal propionate production: the potential mechanism underlying the high energy efficiency of Holstein heifers fed steam-flaked corn. <i>AMB Express</i> , 2019, 9, 209.	1.4	27
14	Nutrient digestion, rumen fermentation and performance as ramie (<i>Boehmeria nivea</i>) is increased in the diets of goats. <i>Animal Feed Science and Technology</i> , 2019, 247, 15-22.	1.1	25
15	Subacute ruminal acidosis in dairy herds: Microbiological and nutritional causes, consequences, and prevention strategies. <i>Animal Nutrition</i> , 2022, 10, 148-155.	2.1	25
16	Rubber seed oil and flaxseed oil supplementation alter digestion, ruminal fermentation and rumen fatty acid profile of dairy cows. <i>Animal</i> , 2019, 13, 2811-2820.	1.3	24
17	Effects of dietary physically effective neutral detergent fiber content on the feeding behavior, digestibility, and growth of 8- to 10-month-old Holstein replacement heifers. <i>Journal of Dairy Science</i> , 2017, 100, 1161-1169.	1.4	22
18	Feeding corn grain steeped in citric acid modulates rumen fermentation and inflammatory responses in dairy goats. <i>Animal</i> , 2019, 13, 301-308.	1.3	21

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19	Dietary L-carnitine and L-arginine supplementation improves intestinal energy status in intrauterine-growth-retarded suckling lambs. <i>Food and Function</i> , 2019, 10, 1903-1914.	2.1	21
20	β-Sitosterol Attenuates High Grain Diet-Induced Inflammatory Stress and Modifies Rumen Fermentation and Microbiota in Sheep. <i>Animals</i> , 2020, 10, 171.	1.0	21
21	Effects of rumen-protected betaine supplementation on meat quality and the composition of fatty and amino acids in growing lambs. <i>Animal</i> , 2020, 14, 435-444.	1.3	20
22	Dietary tea tree oil supplementation improves the intestinal mucosal immunity of weanling piglets. <i>Animal Feed Science and Technology</i> , 2019, 255, 114209.	1.1	19
23	Thiamine Alleviates High-Concentrate-Diet-Induced Oxidative Stress, Apoptosis, and Protects the Rumen Epithelial Barrier Function in Goats. <i>Frontiers in Veterinary Science</i> , 2021, 8, 663698.	0.9	19
24	Illumina Sequencing and Metabolomics Analysis Reveal Thiamine Modulation of Ruminal Microbiota and Metabolome Characteristics in Goats Fed a High-Concentrate Diet. <i>Frontiers in Microbiology</i> , 2021, 12, 653283.	1.5	16
25	The potential of <i>Commelina benghalensis</i> as a forage for ruminants. <i>Animal Feed Science and Technology</i> , 2008, 144, 185-195.	1.1	15
26	Relative significances of pH and substrate starch level to roles of <i>Streptococcus bovis</i> S1 in rumen acidosis. <i>AMB Express</i> , 2016, 6, 80.	1.4	15
27	The potential of ramie as forage for ruminants: Impacts on growth, digestion, ruminal fermentation, carcass characteristics and meat quality of goats. <i>Animal Science Journal</i> , 2019, 90, 481-492.	0.6	14
28	Effects of diet supplementation with rumen-protected betaine on carcass characteristics and fat deposition in growing lambs. <i>Meat Science</i> , 2020, 166, 108154.	2.7	14
29	Effects of the maternal gut microbiome and gut-placental axis on melatonin efficacy in alleviating cadmium-induced fetal growth restriction. <i>Ecotoxicology and Environmental Safety</i> , 2022, 237, 113550.	2.9	14
30	Bamboo vinegar powder supplementation improves the antioxidant ability of the liver in finishing pigs. <i>Livestock Science</i> , 2018, 211, 80-86.	0.6	13
31	<i>Enterococcus faecium</i> NCIMB 10415 supplementation improves the meat quality and antioxidant capacity of muscle of broilers. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 1099-1106.	1.0	13
32	N-Carnitine and L-Arginine Promote Intestinal Absorption of Amino Acids by Regulating the mTOR Signaling Pathway and Amino Acid and Peptide Transporters in Suckling Lambs with Intrauterine Growth Restriction. <i>Journal of Nutrition</i> , 2019, 149, 923-932.	1.3	13
33	L-carnitine and L-arginine promote intestinal function in suckling lambs with intrauterine growth restriction by regulating antioxidant capacity via a nitric oxide-dependent pathway. <i>Food and Function</i> , 2019, 10, 6374-6384.	2.1	12
34	Inhibition of arginase via jugular infusion of N ^ω -hydroxy-nor-L-arginine inhibits casein synthesis in lactating dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 3514-3523.	1.4	11
35	Jugular infusion of arginine has a positive effect on antioxidant mechanisms in lactating dairy cows challenged intravenously with lipopolysaccharide 1. <i>Journal of Animal Science</i> , 2018, 96, 3850-3855.	0.2	11
36	The Effect of Replacing Wildrye Hay with Mulberry Leaves on the Growth Performance, Blood Metabolites, and Carcass Characteristics of Sheep. <i>Animals</i> , 2020, 10, 2018.	1.0	11

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37	Effects of different dietary ratio of physically effective neutral detergent fiber and metabolizable glucose on rumen fermentation, blood metabolites and growth performance of 8 to 10-month-old heifers. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 1230-1237.	2.4	11
38	Short communication: Arginase inhibition reduces the synthesis of casein in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2017, 100, 4128-4133.	1.4	10
39	Dietary supplementation of L-arginine and N-carbamylglutamate enhances duodenal barrier and mitochondrial functions and suppresses duodenal inflammation and mitophagy in suckling lambs suffering from intrauterine-growth-restriction. <i>Food and Function</i> , 2020, 11, 4456-4470.	2.1	10
40	Substitution of ramie (<i>Boehmeria nivea</i>) for alfalfa in improving the carcass and meat quality of Liuyang Black goats. <i>Animal Nutrition</i> , 2021, 7, 688-694.	2.1	10
41	Effects of n-6:n-3 polyunsaturated fatty acid ratio on heterophil:lymphocyte ratio and T lymphocyte subsets in the peripheral blood of the Yangzhou gosling. <i>Poultry Science</i> , 2011, 90, 824-829.	1.5	9
42	Responses of milk production of dairy cows to jugular infusions of a mixture of essential amino acids with or without exclusion leucine or arginine. <i>Animal Nutrition</i> , 2017, 3, 271-275.	2.1	8
43	L-Arginine protects ovine intestinal epithelial cells from lipopolysaccharide-induced intestinal barrier injury. <i>Food and Agricultural Immunology</i> , 2019, 30, 1067-1084.	0.7	8
44	l-Arginine Inhibits Apoptosis of Ovine Intestinal Epithelial Cells through the l-Arginine–Nitric Oxide Pathway. <i>Journal of Nutrition</i> , 2020, 150, 2051-2060.	1.3	8
45	l-Arginine Alleviates Hydrogen Peroxide–Induced Oxidative Damage in Ovine Intestinal Epithelial Cells by Regulating Apoptosis, Mitochondrial Function, and Autophagy. <i>Journal of Nutrition</i> , 2021, 151, 1038-1046.	1.3	8
46	Early Weaning Affects Liver Antioxidant Function in Piglets. <i>Animals</i> , 2021, 11, 2679.	1.0	8
47	Effects of dietary tryptophan on protein metabolism and related gene expression in Yangzhou goslings under different feeding regimens. <i>Poultry Science</i> , 2013, 92, 3196-3204.	1.5	7
48	Short communication: Ground corn steeped in citric acid modulates in vitro gas production kinetics, fermentation patterns and dry matter digestibility. <i>Animal Feed Science and Technology</i> , 2019, 247, 9-14.	1.1	7
49	N-Carbamylglutamate and L-arginine supplementation improve hepatic antioxidant status in intrauterine growth-retarded suckling lambs. <i>RSC Advances</i> , 2020, 10, 11173-11181.	1.7	7
50	Thiamine ameliorates metabolic disorders induced by a long-term high-concentrate diet and promotes rumen epithelial development in goats. <i>Journal of Dairy Science</i> , 2021, 104, 11522-11536.	1.4	7
51	Effects of Dietary Tryptophan Supplementation and Feed Restriction on Growth Performance and Carcass Characteristics of Goslings. <i>Journal of Animal and Veterinary Advances</i> , 2011, 10, 2079-2083.	0.1	7
52	Dietary N-carbamylglutamate or L-arginine improves fetal intestinal amino acid profiles during intrauterine growth restriction in undernourished ewes. <i>Animal Nutrition</i> , 2022, 8, 341-349.	2.1	7
53	Associations of Polymorphisms in Four Candidate Genes with Carcass and/or Meat-Quality Traits in Two Meat-Type Chicken Lines. <i>Animal Biotechnology</i> , 2013, 24, 53-65.	0.7	6
54	Metagenomic Insight: Dietary Thiamine Supplementation Promoted the Growth of Carbohydrate-Associated Microorganisms and Enzymes in the Rumen of Saanen Goats Fed High-Concentrate Diets. <i>Microorganisms</i> , 2021, 9, 632.	1.6	6

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55	Rubber seed oil and flaxseed oil supplementation on serum fatty acid profile, oxidation stability of serum and milk, and immune function of dairy cows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 1363-1372.	2.4	6
56	Effects of dietary rumen-protected betaine supplementation on the antioxidant status of lambs. <i>Livestock Science</i> , 2020, 237, 104026.	0.6	5
57	Thiamine modulates intestinal morphological structure and microbiota under subacute ruminal acidosis induced by a high-concentrate diet in Saanen goats. <i>Animal</i> , 2021, 15, 100370.	1.3	5
58	Transcriptome Analysis Reveals Catabolite Control Protein A Regulatory Mechanisms Underlying Glucose-Excess or -Limited Conditions in a Ruminal Bacterium, <i>Streptococcus bovis</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 767769.	1.5	5
59	Ambient pH regulates lactate catabolism pathway of the ruminal <i>Megasphaera elsdenii</i> BE2-2083 and <i>Selenomonas ruminantium</i> HD4. <i>Journal of Applied Microbiology</i> , 2022, 132, 2661-2672.	1.4	5
60	Influence of Dipeptidyl Peptidase Inhibitors on Growth, Peptidase Activity, and Ammonia Production by Ruminal Microorganisms. <i>Current Microbiology</i> , 2004, 49, 115-22.	1.0	4
61	Dietary N-carbamylglutamate or L-arginine supplementation improves hepatic energy status and mitochondrial function and inhibits the AMP-activated protein kinase-peroxisome proliferator-activated receptor β coactivator-1 α -transcription factor A pathway in intrauterine-growth-retarded suckling lambs. <i>Animal Nutrition</i> , 2021, 7, 859-867.	2.1	4
62	Dietary rumen-protected L-arginine or N-carbamylglutamate attenuated fetal hepatic inflammation in undernourished ewes suffering from intrauterine growth restriction. <i>Animal Nutrition</i> , 2021, 7, 1095-1104.	2.1	4
63	The preliminary study on the effects of growth hormone and insulin-like growth factor on casein synthesis in bovine mammary epithelial cells <i>in vitro</i> . <i>Journal of Animal Physiology and Animal Nutrition</i> , 2016, 100, 251-255.	1.0	3
64	Meishan neonatal piglets tend to have higher intestinal barrier function than crossbred neonatal piglets. <i>Animal</i> , 2021, 15, 100037.	1.3	3
65	Dietary supplementation of thiamine enhances colonic integrity and modulates mucosal inflammation injury in goats challenged by lipopolysaccharide and low pH. <i>British Journal of Nutrition</i> , 2022, 128, 2147-2157.	1.2	3
66	Lower ω -6/ ω -3 Polyunsaturated Fatty Acid Ratios Decrease Fat Deposition by Inhibiting Fat Synthesis in Gosling. <i>Asian-Australasian Journal of Animal Sciences</i> , 2016, 29, 1443-1450.	2.4	2
67	Growth performance, meat quality and lipid metabolism in finishing lambs fed diets containing rumen-unprotected and rumen-protected betaine. <i>Italian Journal of Animal Science</i> , 2021, 20, 2041-2050.	0.8	2
68	Impact of dietary carbohydrate balance on rumen fermentation, eating behaviour, growth and development of 8-10-month-old heifers. <i>Animal Production Science</i> , 2018, 58, 2042.	0.6	1
69	Influence of arginine on enzymes related to arginine metabolism in bovine mammary epithelial cells <i>in vitro</i> . <i>Canadian Journal of Animal Science</i> , 2019, 99, 150-159.	0.7	1
70	Starch sources and concentration in diet of dairy goats affected ruminal pH and fermentation, and inflammatory response. <i>Animal Production Science</i> , 2019, 59, 1640.	0.6	1
71	L-Arginine inhibits hydrogen peroxide-induced oxidative damage and inflammatory response by regulating antioxidant capacity in ovine intestinal epithelial cells. <i>Italian Journal of Animal Science</i> , 2021, 20, 1620-1632.	0.8	1
72	Dietary rumen-protected choline supplementation regulates blood biochemical profiles and urinary metabolome and improves growth performance of growing lambs. <i>Animal Biotechnology</i> , 2023, 34, 563-573.	0.7	1

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73	A Study on the Optimal Amino Acid Pattern at the Proximal Duodenum in Growing Sheep. Asian-Australasian Journal of Animal Sciences, 2002, 15, 38-44.	2.4	1
74	Dietary supplementation of thiamine down-regulates the expression of mitophagy and endoplasmic reticulum stress-related genes in the rumen epithelium of goats during high-concentrate diet feeding. Italian Journal of Animal Science, 2021, 20, 2220-2231.	0.8	1
75	Regulation of CcpA on the growth and organic acid production characteristics of ruminal Streptococcus bovis at different pH. BMC Microbiology, 2021, 21, 344.	1.3	1
76	Effects of Different Oils on the Fatty Acid Profiles of Culture Medium and Ruminal Microorganisms in vitro. Journal of Animal and Veterinary Advances, 2012, 11, 3251-3257.	0.1	0
77	Effects of different dietary ratio of metabolizable glucose and metabolizable protein on growth performance, rumen fermentation, blood biochemical indices and ruminal microbiota of 8 to 10-month-old dairy heifers. Asian-Australasian Journal of Animal Sciences, 2018, 31, 1205-1212.	2.4	0