Nai-Feng Zhang

List of Publications by Year
in descending order

61 papers	1,321 citations	331670 21 h-index	395702 33 g-index
62 all docs	62 docs citations	62 times ranked	1557 citing authors

#	Article	IF	Citations
1	Recent advances in nutrient requirements of meat-type sheep in China: A review. Journal of Integrative Agriculture, 2022, 21, 1-14.	3.5	6
2	Longitudinal investigations of anatomical and morphological development of the gastrointestinal tract in goats from colostrum to postweaning. Journal of Dairy Science, 2022, 105, 2597-2611.	3.4	5
3	The Temporal Dynamics of Rumen Microbiota in Early Weaned Lambs. Microorganisms, 2022, 10, 144.	3.6	7
4	Impact of dietary supplementation of Î²-hydroxybutyric acid on performance, nutrient digestibility, organ development and serum stress indicators in early-weaned goat kids. Animal Nutrition, 2022, 9, 16-22.	5.1	9
5	Long term effects of artificial rearing before weaning on the growth performance, ruminal microbiota and fermentation of fattening lambs. Journal of Integrative Agriculture, 2022, 21, 1146-1160.	3.5	2
6	Multiomics analysis reveals the presence of a microbiome in the gut of fetal lambs. Gut, 2021, 70, 853-864.	12.1	52
7	Predicting the Digestive Tract Development and Growth Performance of Goat Kids Using Sigmoidal Models. Animals, 2021, 11, 757.	2.3	3
8	Solid diet manipulates rumen epithelial microbiota and its interactions with host transcriptomic in young ruminants. Environmental Microbiology, 2021, 23, 6557-6568.	3.8	21
9	Effects of Age and Dietary Factors on the Blood Beta-Hydroxybutyric Acid, Metabolites, Immunoglobulins, and Hormones of Goats. Frontiers in Veterinary Science, 2021, 8, 793427.	2.2	1
10	Longitudinal Investigation of the Gut Microbiota in Goat Kids from Birth to Postweaning. Microorganisms, 2020, 8, 1111.	3.6	28
11	Requirements of metabolizable protein by DorperÂÃ—Âthinâ€tailed Han crossbred ewe lambs. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 831-837.	2.2	3
12	Ruminal Microbiota and Fermentation in Response to Dietary Protein and Energy Levels in Weaned Lambs. Animals, 2020, 10, 109.	2.3	20
13	Influences of starter NDF level on growth performance and rumen development in lambs fed isocaloric and isonitrogenous diets. Journal of Animal Science, 2020, 98, .	0.5	16
14	The Signature Microbiota Drive Rumen Function Shifts in Goat Kids Introduced to Solid Diet Regimes. Microorganisms, 2019, 7, 516.	3.6	38
15	Effect of Age and Weaning on Growth Performance, Rumen Fermentation, and Serum Parameters in Lambs Fed Starter with Limited Eweâ€“Lamb Interaction. Animals, 2019, 9, 825.	2.3	32
16	Effects of Tea Saponin Supplementation on Nutrient Digestibility, Methanogenesis, and Ruminal Microbial Flora in Dorper Crossbred Ewe. Animals, 2019, 9, 29.	2.3	31
17	Feeding modes shape the acquisition and structure of the initial gut microbiota in newborn lambs. Environmental Microbiology, 2019, 21, 2333-2346.	3.8	45
18	Dietary energy and protein levels influenced the growth performance, ruminal morphology and fermentation and microbial diversity of lambs. Scientific Reports, 2019, 9, 16612.	3.3	37

#	Article	IF	Citations
19	The Facilitating Effect of Tartary Buckwheat Flavonoids and Lactobacillus plantarum on the Growth Performance, Nutrient Digestibility, Antioxidant Capacity, and Fecal Microbiota of Weaned Piglets. Animals, 2019, 9, 986.	2.3	23
20	Effects of dietary methionine deficiency followed by replenishment on the growth performance and carcass characteristics of lambs. Animal Production Science, 2019, 59, 243.	1.3	2
21	Role of methionine on epigenetic modification of DNA methylation and gene expression in animals. Animal Nutrition, 2018, 4, 11-16.	5.1	121
22	Effects of rearing system on meat quality, fatty acid and amino acid profiles of Hu lambs. Animal Science Journal, 2018, 89, 1178-1186.	1.4	15
23	iTRAQ-based quantitative proteomic analysis of alterations in the intestine of Hu sheep under weaning stress. PLoS ONE, 2018, 13, e0200680.	2.5	9
24	Feeding different dietary protein to energy ratios to Holstein heifers: effects on growth performance, blood metabolites and rumen fermentation parameters. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 30-37.	2.2	10
25	Dietary supplementation with mulberry leaf flavonoids inhibits methanogenesis in sheep. Animal Science Journal, 2017, 88, 72-78.	1.4	37
26	Effects of different source additives and wilt conditions on the pH value, aerobic stability, and carbohydrate and protein fractions of alfalfa silage. Animal Science Journal, 2017, 88, 99-106.	1.4	35
27	Protein requirements of early-weaned Dorper crossbred female lambs. Journal of Integrative Agriculture, 2017, 16, 1138-1144.	3.5	3
28	Effects of different feeding methods and space allowance on the growth performance, individual and social behaviors of Holstein calves. Journal of Integrative Agriculture, 2017, 16, 1375-1382.	3.5	3
29	Effect of early weaning age on growth performance, nutrient digestibility, and serum parameters of lambs. Animal Production Science, 2017, 57, 110.	1.3	11
30	Net protein and metabolizable protein requirements for maintenance and growth of early-weaned Dorper crossbred male lambs. Journal of Animal Science and Biotechnology, 2017, 8, 40.	5.3	5
31	Oral administration of Lactobacillus plantarum and Bacillus subtilis on rumen fermentation and the bacterial community in calves. Animal Science Journal, 2017, 88, 755-762.	1.4	25
32	Establishment of young ruminants rearing system and its key scientific issues. Chinese Science Bulletin, 2017, 62, 2999-3007.	0.7	1
33	Energy requirements of earlyâ€weaned Dorper crossâ€bred female lambs. Journal of Animal Physiology and Animal Nutrition, 2016, 100, 1081-1089.	2.2	6
34	Effect of oral administration of probiotics on growth performance, apparent nutrient digestibility and stressâ€related indicators in Holstein calves. Journal of Animal Physiology and Animal Nutrition, 2016, 100, 33-38.	2.2	58
35	Growth performance and rumen microorganism differ between segregated weaning lambs and grazing lambs. Journal of Integrative Agriculture, 2016, 15, 872-878.	3.5	5
36	Effect of supplementation of allicin on methanogenesis and ruminal microbial flora in Dorper crossbred ewes. Journal of Animal Science and Biotechnology, 2016, 7, 1.	5.3	95

#	Article	IF	Citations
37	Effect of weaning time on growth performance and rumendevelopment of Hu lambs. Indian Journal of Animal Research, 2016, , .	0.1	0
38	Effects of lipopolysaccharide on the growth performance, nitrogenmetabolism and immunity in preruminant calves. Indian Journal of Animal Research, 2016, , .	0.1	1
39	Energy requirements of DorperÃ—thin-tailed Han crossbred ewes during non-pregnancy and lactation. Journal of Integrative Agriculture, 2015, 14, 2605-2617.	3.5	5
40	Effects of supplementary bee pollen and its polysaccharides on nutrient digestibility and serum biochemical parameters in Holstein calves. Animal Production Science, 2015, 55, 1318.	1.3	13
41	Effect of dietary supplementation of rutin on lactation performance, ruminal fermentation and metabolism in dairy cows. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 1065-1073.	2.2	18
42	Effect of the Ratio of Non-fibrous Carbohydrates to Neutral Detergent Fiber and Protein Structure on Intake, Digestibility, Rumen Fermentation, and Nitrogen Metabolism in Lambs. Asian-Australasian Journal of Animal Sciences, 2015, 28, 1419-1426.	2.4	44
43	Effects of weaning age on growth, nutrient digestibility and metabolism, and serum parameters in Hu lambs. Animal Nutrition, 2015, 1, 344-348.	5.1	23
44	Effect of dietary supplementation with resveratrol on nutrient digestibility, methanogenesis and ruminal microbial flora in sheep. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 676-683.	2.2	30
45	Effects of dietary yeast Î²-glucan on nutrient digestibility and serum profiles in pre-ruminant Holstein calves. Journal of Integrative Agriculture, 2015, 14, 749-757.	3.5	30
46	Effect of feed intake on metabolizable protein supply in DorperÃ—thin-tailed Han crossbred lambs. Small Ruminant Research, 2015, 132, 133-136.	1.2	8
47	Epigenetic modulation of DNA methylation by nutrition and its mechanisms in animals. Animal Nutrition, 2015, 1, 144-151.	5.1	103
48	Macromineral requirements of DorperÃ—thin-tailed Han crossbred female lambs. Journal of Integrative Agriculture, 2015, 14, 1617-1626.	3.5	8
49	Energy requirements of Dorper crossbred ewe lambs1. Journal of Animal Science, 2014, 92, 2161-2169.	0.5	27
50	Effect of dietary forage-to-concentrate ratios on urinary excretion of purine derivatives and microbial nitrogen yields in the rumen of Dorper crossbred sheep. Livestock Science, 2014, 160, 37-44.	1.6	22
51	Net zinc requirements of DorperÃ—thin-tailed Han crossbred lambs. Livestock Science, 2014, 167, 178-185.	1.6	10
52	Effects of dietary probiotics on growth performance, faecal microbiota and serum profiles in weaned piglets. Animal Production Science, 2014, 54, 616.	1.3	53
53	Effect of Dietary Concentrate:forage Ratios and Undegraded Dietary Protein on Nitrogen Balance and Urinary Excretion of Purine Derivatives in DorperÃ—thin-tailed Han Crossbred Lambs. Asian-Australasian Journal of Animal Sciences, 2014, 27, 161-168.	2.4	13
54	Energy Requirements for Maintenance and Growth of German Mutton Merino Crossbred Lambs. Journal of Integrative Agriculture, 2013, 12, 670-677.	3.5	3

#	Article	IF	Citations
55	The relationship between microbial N synthesis and urinary excretion of purine derivatives in DorperÃ—thin-tailed Han crossbred sheep. Small Ruminant Research, 2013, 112, 49-55.	1.2	11
56	Net Phosphorus Requirements of DorperÃ—Thin-tailed Han Crossbred Ram Lambs. Asian-Australasian Journal of Animal Sciences, 2013, 26, 1282-1288.	2.4	7
57	Energy requirements for maintenance and growth of Dorper crossbred ram lambs. Livestock Science, 2012, 150, 102-110.	1.6	39
58	The Limiting Sequence and Proper Ratio of Lysine, Methionine and Threonine for Calves Fed Milk Replacers Containing Soy Protein. Asian-Australasian Journal of Animal Sciences, 2012, 25, 224-233.	2.4	19
59	Effects of Different Energy Levels on Nutrient Utilization and Serum Biochemical Parameters of Early-Weaned Calves. Agricultural Sciences in China, 2010, 9, 729-735.	0.6	5
60	Effect of Different Protein Levels on Nutrient Digestion Metabolism and Serum Biochemical Parameters in Calves. Agricultural Sciences in China, 2008, 7, 375-380.	0.6	7
61	The effects of dipeptidase inhibitor on peptide breakdown and VFA concentrations in rumen of sheep. Journal of Animal and Feed Sciences, 2007, 16, 189-194.	1.1	1