

Nai-Feng Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,321
citations

331670

21
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395702

33
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62
all docs

62
docs citations

62
times ranked

1557
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of methionine on epigenetic modification of DNA methylation and gene expression in animals. <i>Animal Nutrition</i> , 2018, 4, 11-16.	5.1	121
2	Epigenetic modulation of DNA methylation by nutrition and its mechanisms in animals. <i>Animal Nutrition</i> , 2015, 1, 144-151.	5.1	103
3	Effect of supplementation of allicin on methanogenesis and ruminal microbial flora in Dorper crossbred ewes. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 1.	5.3	95
4	Effect of oral administration of probiotics on growth performance, apparent nutrient digestibility and stress-related indicators in Holstein calves. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2016, 100, 33-38.	2.2	58
5	Effects of dietary probiotics on growth performance, faecal microbiota and serum profiles in weaned piglets. <i>Animal Production Science</i> , 2014, 54, 616.	1.3	53
6	Multimomics analysis reveals the presence of a microbiome in the gut of fetal lambs. <i>Gut</i> , 2021, 70, 853-864.	12.1	52
7	Feeding modes shape the acquisition and structure of the initial gut microbiota in newborn lambs. <i>Environmental Microbiology</i> , 2019, 21, 2333-2346.	3.8	45
8	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. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 1419-1426.	2.4	44
9	Energy requirements for maintenance and growth of Dorper crossbred ram lambs. <i>Livestock Science</i> , 2012, 150, 102-110.	1.6	39
10	The Signature Microbiota Drive Rumen Function Shifts in Goat Kids Introduced to Solid Diet Regimes. <i>Microorganisms</i> , 2019, 7, 516.	3.6	38
11	Dietary supplementation with mulberry leaf flavonoids inhibits methanogenesis in sheep. <i>Animal Science Journal</i> , 2017, 88, 72-78.	1.4	37
12	Dietary energy and protein levels influenced the growth performance, ruminal morphology and fermentation and microbial diversity of lambs. <i>Scientific Reports</i> , 2019, 9, 16612.	3.3	37
13	Effects of different source additives and wilt conditions on the pH value, aerobic stability, and carbohydrate and protein fractions of alfalfa silage. <i>Animal Science Journal</i> , 2017, 88, 99-106.	1.4	35
14	Effect of Age and Weaning on Growth Performance, Rumen Fermentation, and Serum Parameters in Lambs Fed Starter with Limited Ewe-Lamb Interaction. <i>Animals</i> , 2019, 9, 825.	2.3	32
15	Effects of Tea Saponin Supplementation on Nutrient Digestibility, Methanogenesis, and Ruminal Microbial Flora in Dorper Crossbred Ewe. <i>Animals</i> , 2019, 9, 29.	2.3	31
16	Effect of dietary supplementation with resveratrol on nutrient digestibility, methanogenesis and ruminal microbial flora in sheep. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015, 99, 676-683.	2.2	30
17	Effects of dietary yeast β -glucan on nutrient digestibility and serum profiles in pre-ruminant Holstein calves. <i>Journal of Integrative Agriculture</i> , 2015, 14, 749-757.	3.5	30
18	Longitudinal Investigation of the Gut Microbiota in Goat Kids from Birth to Postweaning. <i>Microorganisms</i> , 2020, 8, 1111.	3.6	28

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19	Energy requirements of Dorper crossbred ewe lambs1. <i>Journal of Animal Science</i> , 2014, 92, 2161-2169.	0.5	27
20	Oral administration of <i>Lactobacillus plantarum</i> and <i>Bacillus subtilis</i> on rumen fermentation and the bacterial community in calves. <i>Animal Science Journal</i> , 2017, 88, 755-762.	1.4	25
21	Effects of weaning age on growth, nutrient digestibility and metabolism, and serum parameters in Hu lambs. <i>Animal Nutrition</i> , 2015, 1, 344-348.	5.1	23
22	The Facilitating Effect of Tartary Buckwheat Flavonoids and <i>Lactobacillus plantarum</i> on the Growth Performance, Nutrient Digestibility, Antioxidant Capacity, and Fecal Microbiota of Weaned Piglets. <i>Animals</i> , 2019, 9, 986.	2.3	23
23	Effect of dietary forage-to-concentrate ratios on urinary excretion of purine derivatives and microbial nitrogen yields in the rumen of Dorper crossbred sheep. <i>Livestock Science</i> , 2014, 160, 37-44.	1.6	22
24	Solid diet manipulates rumen epithelial microbiota and its interactions with host transcriptomic in young ruminants. <i>Environmental Microbiology</i> , 2021, 23, 6557-6568.	3.8	21
25	Ruminal Microbiota and Fermentation in Response to Dietary Protein and Energy Levels in Weaned Lambs. <i>Animals</i> , 2020, 10, 109.	2.3	20
26	The Limiting Sequence and Proper Ratio of Lysine, Methionine and Threonine for Calves Fed Milk Replacers Containing Soy Protein. <i>Asian-Australasian Journal of Animal Sciences</i> , 2012, 25, 224-233.	2.4	19
27	Effect of dietary supplementation of rutin on lactation performance, ruminal fermentation and metabolism in dairy cows. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2015, 99, 1065-1073.	2.2	18
28	Influences of starter NDF level on growth performance and rumen development in lambs fed isocaloric and isonitrogenous diets. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	16
29	Effects of rearing system on meat quality, fatty acid and amino acid profiles of Hu lambs. <i>Animal Science Journal</i> , 2018, 89, 1178-1186.	1.4	15
30	Effects of supplementary bee pollen and its polysaccharides on nutrient digestibility and serum biochemical parameters in Holstein calves. <i>Animal Production Science</i> , 2015, 55, 1318.	1.3	13
31	Effect of Dietary Concentrate:forage Ratios and Undegraded Dietary Protein on Nitrogen Balance and Urinary Excretion of Purine Derivatives in Dorper—thin-tailed Han Crossbred Lambs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 161-168.	2.4	13
32	The relationship between microbial N synthesis and urinary excretion of purine derivatives in Dorper—thin-tailed Han crossbred sheep. <i>Small Ruminant Research</i> , 2013, 112, 49-55.	1.2	11
33	Effect of early weaning age on growth performance, nutrient digestibility, and serum parameters of lambs. <i>Animal Production Science</i> , 2017, 57, 110.	1.3	11
34	Net zinc requirements of Dorper—thin-tailed Han crossbred lambs. <i>Livestock Science</i> , 2014, 167, 178-185.	1.6	10
35	Feeding different dietary protein to energy ratios to Holstein heifers: effects on growth performance, blood metabolites and rumen fermentation parameters. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, 30-37.	2.2	10
36	iTRAQ-based quantitative proteomic analysis of alterations in the intestine of Hu sheep under weaning stress. <i>PLoS ONE</i> , 2018, 13, e0200680.	2.5	9

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37	Impact of dietary supplementation of β -hydroxybutyric acid on performance, nutrient digestibility, organ development and serum stress indicators in early-weaned goat kids. <i>Animal Nutrition</i> , 2022, 9, 16-22.	5.1	9
38	Effect of feed intake on metabolizable protein supply in Dorper \times thin-tailed Han crossbred lambs. <i>Small Ruminant Research</i> , 2015, 132, 133-136.	1.2	8
39	Macromineral requirements of Dorper \times thin-tailed Han crossbred female lambs. <i>Journal of Integrative Agriculture</i> , 2015, 14, 1617-1626.	3.5	8
40	Effect of Different Protein Levels on Nutrient Digestion Metabolism and Serum Biochemical Parameters in Calves. <i>Agricultural Sciences in China</i> , 2008, 7, 375-380.	0.6	7
41	Net Phosphorus Requirements of Dorper \times Thin-tailed Han Crossbred Ram Lambs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 1282-1288.	2.4	7
42	The Temporal Dynamics of Rumen Microbiota in Early Weaned Lambs. <i>Microorganisms</i> , 2022, 10, 144.	3.6	7
43	Energy requirements of early-weaned Dorper crossbred female lambs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2016, 100, 1081-1089.	2.2	6
44	Recent advances in nutrient requirements of meat-type sheep in China: A review. <i>Journal of Integrative Agriculture</i> , 2022, 21, 1-14.	3.5	6
45	Effects of Different Energy Levels on Nutrient Utilization and Serum Biochemical Parameters of Early-Weaned Calves. <i>Agricultural Sciences in China</i> , 2010, 9, 729-735.	0.6	5
46	Energy requirements of Dorper \times thin-tailed Han crossbred ewes during non-pregnancy and lactation. <i>Journal of Integrative Agriculture</i> , 2015, 14, 2605-2617.	3.5	5
47	Growth performance and rumen microorganism differ between segregated weaning lambs and grazing lambs. <i>Journal of Integrative Agriculture</i> , 2016, 15, 872-878.	3.5	5
48	Net protein and metabolizable protein requirements for maintenance and growth of early-weaned Dorper crossbred male lambs. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 40.	5.3	5
49	Longitudinal investigations of anatomical and morphological development of the gastrointestinal tract in goats from colostrum to postweaning. <i>Journal of Dairy Science</i> , 2022, 105, 2597-2611.	3.4	5
50	Energy Requirements for Maintenance and Growth of German Mutton Merino Crossbred Lambs. <i>Journal of Integrative Agriculture</i> , 2013, 12, 670-677.	3.5	3
51	Protein requirements of early-weaned Dorper crossbred female lambs. <i>Journal of Integrative Agriculture</i> , 2017, 16, 1138-1144.	3.5	3
52	Effects of different feeding methods and space allowance on the growth performance, individual and social behaviors of Holstein calves. <i>Journal of Integrative Agriculture</i> , 2017, 16, 1375-1382.	3.5	3
53	Requirements of metabolizable protein by Dorper \times Thin-tailed Han crossbred ewe lambs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2020, 104, 831-837.	2.2	3
54	Predicting the Digestive Tract Development and Growth Performance of Goat Kids Using Sigmoidal Models. <i>Animals</i> , 2021, 11, 757.	2.3	3

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55	Effects of dietary methionine deficiency followed by replenishment on the growth performance and carcass characteristics of lambs. <i>Animal Production Science</i> , 2019, 59, 243.	1.3	2
56	Long term effects of artificial rearing before weaning on the growth performance, ruminal microbiota and fermentation of fattening lambs. <i>Journal of Integrative Agriculture</i> , 2022, 21, 1146-1160.	3.5	2
57	The effects of dipeptidase inhibitor on peptide breakdown and VFA concentrations in rumen of sheep. <i>Journal of Animal and Feed Sciences</i> , 2007, 16, 189-194.	1.1	1
58	Effects of lipopolysaccharide on the growth performance, nitrogen metabolism and immunity in preruminant calves. <i>Indian Journal of Animal Research</i> , 2016, , .	0.1	1
59	Establishment of young ruminants rearing system and its key scientific issues. <i>Chinese Science Bulletin</i> , 2017, 62, 2999-3007.	0.7	1
60	Effects of Age and Dietary Factors on the Blood Beta-Hydroxybutyric Acid, Metabolites, Immunoglobulins, and Hormones of Goats. <i>Frontiers in Veterinary Science</i> , 2021, 8, 793427.	2.2	1
61	Effect of weaning time on growth performance and rumen development of Hu lambs. <i>Indian Journal of Animal Research</i> , 2016, , .	0.1	0