Zhixiong He

List of Publications by Year
in descending order

46 papers	480 citations	687220 13 h-index	794469 19 g-index
47 all docs	47 docs citations	47 times ranked	516 citing authors

#	Article	IF	Citations
1	Maternal undernutrition alters the skeletal muscle development and methylation of myogenic factors in goat offspring. Animal Bioscience, 2022, 35, 847-857.	0.8	4
2	Effects of substituting soybean meal with corn on immune function and gene expression of gut TLR4 pathway of growing goats. PeerJ, 2022, 10, e12910.	0.9	0
3	Comparisons of Corn Stover Silages after Fresh- or Ripe-Corn Harvested: Effects on Digestibility and Rumen Fermentation in Growing Beef Cattle. Animals, 2022, 12, 1248.	1.0	3
4	Lipid metabolism and m6A RNA methylation are altered in lambs supplemented rumen-protected methionine and lysine in a low-protein diet. Journal of Animal Science and Biotechnology, 2022, 13, .	2.1	5
5	Transcriptome analysis reveals liver metabolism programming in kids from nutritional restricted goats during mid-gestation. PeerJ, 2021, 9, e10593.	0.9	5
6	Changes of Intestinal Oxidative Stress, Inflammation, and Gene Expression in Neonatal Diarrhoea Kids. Frontiers in Veterinary Science, 2021, 8, 598691.	0.9	17
7	Effects of dietary Macleaya cordata extract inclusion on transcriptomes and inflammatory response in the lower gut of early weaned goats. Animal Feed Science and Technology, 2021, 272, 114792.	1.1	11
8	Maternal intake restriction programs the energy metabolism, clock circadian regulator and mTOR signals in the skeletal muscles of goat offspring probably via the protein kinase A-cAMP-responsive element-binding proteins pathway. Animal Nutrition, 2021, 7, 1303-1314.	2.1	4
9	Low-protein diets supplemented with methionine and lysine alter the gut microbiota composition and improve the immune status of growing lambs. Applied Microbiology and Biotechnology, 2021, 105, 8393-8410.	1.7	14
10	Rumen-protected glucose supplementation in transition dairy cows shifts fermentation patterns and enhances mucosal immunity. Animal Nutrition, 2021, 7, 1182-1188.	2.1	2
11	Transcriptome analysis revealed that delaying first colostrum feeding postponed ileum immune system development of neonatal calves. Genomics, 2021, 113, 4116-4125.	1.3	1
12	Growth of Pancreas and Intestinal Enzyme Activities in Growing Goats: Influence of a Low-Protein Diet. Agriculture (Switzerland), 2021, 11, 1155.	1.4	5
13	Dietary Amylose/Amylopectin Ratio Modulates Cecal Microbiota and Metabolites in Weaned Goats. Frontiers in Nutrition, 2021, 8, 774766.	1.6	7
14	Supplementing Mannan Oligosaccharide Reduces the Passive Transfer of Immunoglobulin G and Improves Antioxidative Capacity, Immunity, and Intestinal Microbiota in Neonatal Goats. Frontiers in Microbiology, 2021, 12, 795081.	1.5	7
15	Calcium Homeostasis and Bone Metabolism in Goats Fed a Low Protein Diet. Frontiers in Veterinary Science, 2021, 8, 829872.	0.9	2
16	Effects of maternal intake restriction during early pregnancy on fetal growth and bone metabolism in goats. Small Ruminant Research, 2020, 183, 106027.	0.6	4
17	Replacing corn grain with corn gluten feed: Effects on the rumen microbial protein synthesis, functional bacterial groups and epithelial amino acid chemosensing in growing goats. Animal Feed Science and Technology, 2020, 270, 114684.	1.1	5
18	Cloning, phylogenetic analysis, and postnatal expression of oligopeptide transporter PepT1 in gastrointestinal tract of kid goats receiving supplemental feed or pasture. Canadian Journal of Animal Science, 2020, 100, 605-614.	0.7	0

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19	Supplementation of Lactobacillus plantarum or Macleaya cordata Extract Alleviates Oxidative Damage Induced by Weaning in the Lower Gut of Young Goats. Animals, 2020, 10, 548.	1.0	28
20	Synthesis and characterization of calcium phosphorylated inulin complex as a new source of enriched calcium supplement with prebiotic effect in food. Food Science and Technology, 2019, 39, 237-244.	0.8	4
21	Identification of coenzyme-binding proteins with machine learning algorithms. Computational Biology and Chemistry, 2019, 79, 185-192.	1.1	1
22	Effects of Maternal Undernutrition during Mid-Gestation on the Yield, Quality and Composition of Kid Meat Under an Extensive Management System. Animals, 2019, 9, 173.	1.0	7
23	Inoculum source and transfer of rumen contents from bison to cattle improved in vitro gas production and feed digestibility, but not the responses to exogenous enzymes supplementation. Animal Feed Science and Technology, 2019, 248, 37-46.	1.1	4
24	Carbon-13 stable isotope analysis reveals the existence but insignificance of ruminal methanogenic pathway from acetate in a batch culture system. Animal Feed Science and Technology, 2018, 246, 46-51.	1.1	1
25	Genome wide transcriptome analysis provides bases on colonic mucosal immune system development affected by colostrum feeding strategies in neonatal calves. BMC Genomics, 2018, 19, 635.	1.2	7
26	Repeated inoculation of cattle rumen with bison rumen contents alters the rumen microbiome and improves nitrogen digestibility in cattle. Scientific Reports, 2017, 7, 1276.	1.6	67
27	Evaluation of Different Yeast Species for Improving <i>In vitro</i> Fermentation of Cereal Straws. Asian-Australasian Journal of Animal Sciences, 2016, 29, 230-240.	2.4	17
28	Gastrointestinal Spatiotemporal mRNA Expression of Ghrelin vs Growth Hormone Receptor and New Growth Yield Machine Learning Model Based on Perturbation Theory. Scientific Reports, 2016, 6, 30174.	1.6	9
29	Effect of starch content and processing method on in situ ruminal and in vitro intestinal digestion of barley grain in beef heifers. Animal Feed Science and Technology, 2016, 216, 121-128.	1.1	16
30	Inferring the Skeletal Muscle Developmental Changes of Grazing and Barn-Fed Goats from Gene Expression Data. Journal of Agricultural and Food Chemistry, 2016, 64, 6791-6800.	2.4	6
31	Postnatal developmental changes of the small intestinal villus height, crypt depth and hexose transporter mRNA expression in supplemental feeding and grazing goats. Small Ruminant Research, 2016, 141, 106-112.	0.6	13
32	Expression of genes related to sweet taste receptors and monosaccharides transporters along the gastrointestinal tracts at different development stages in goats. Livestock Science, 2016, 188, 111-119.	0.6	6
33	Comparison of two live <scp>B</scp>acillus species as feed additives for improving in vitro fermentation of cereal straws. Animal Science Journal, 2016, 87, 27-36.	0.6	22
34	Cloning, Phylogenetic Analysis, and Distribution of Free Fatty Acid Receptor GPR120 Expression along the Gastrointestinal Tract of Housing versus Grazing Kid Goats. Journal of Agricultural and Food Chemistry, 2016, 64, 2333-2341.	2.4	14
35	Influence of Oleic Acid on Rumen Fermentation and Fatty Acid Formation In Vitro. PLoS ONE, 2016, 11, e0156835.	1.1	29
36	Effects of <i>Momordica charantia</i> Saponins on <i>In vitro</i> Ruminal Fermentation and Microbial Population. Asian-Australasian Journal of Animal Sciences, 2016, 29, 500-508.	2.4	15

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37	A mathematical model to describe the diurnal pattern of enteric methane emissions from non-lactating dairy cows post-feeding. Animal Nutrition, 2015, 1, 329-338.	2.1	14
38	Supplementation of increasing amounts of linoleic acid to Leymus chinensis decreases methane production and improves fatty acid composition in vitro. European Journal of Lipid Science and Technology, 2015, 117, 945-953.	1.0	4
39	Ammonia and amino acids modulates enzymes associated with ammonia assimilation pathway by ruminal microbiota in vitro. Livestock Science, 2015, 178, 130-139.	0.6	18
40	Effects of dietary cellulase and xylanase addition on digestion, rumen fermentation and methane emission in growing goats. Archives of Animal Nutrition, 2015, 69, 251-266.	0.9	12
41	In vitroevaluation on neutral detergent fiber and cellulose digestion by post-ruminal microorganisms in goats. Journal of the Science of Food and Agriculture, 2014, 94, 1745-1752.	1.7	32
42	Using exogenous enzymes to increase the rumen degradability of wheat dried distillers grains with solubles. Archives of Animal Nutrition, 2013, 67, 381-392.	0.9	6
43	Unchanged interleukin 6 level of protein and energy restricted goats during late gestation: the role of elevated blood nitric oxide. Journal of Endocrinology, 2012, 213, 59-65.	1.2	5
44	Effects of ruminally degradable dietary protein level on nitrogen metabolism in wethers. Small Ruminant Research, 2012, 108, 59-66.	0.6	1
45	Effects of alkyl polyglycoside, a nonionic surfactant, and forage-to-concentrate ratio on rumen fermentation, amino acid composition of rumen content, bacteria and plasma in goats. Archives of Animal Nutrition, 2011, 65, 229-241.	0.9	6
46	Effects of Early Malnutrition on Mental System, Metabolic Syndrome, Immunity and the Gastrointestinal Tract. Journal of Veterinary Medical Science, 2009, 71, 1143-1150.	0.3	18