Hong-Jian Yang

List of Publications by Year
in descending order

59	985	471509 17	526287 27
papers	citations	h-index	g-index

59	59	59	1080
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of heat stress on serum insulin, adipokines, AMP-activated protein kinase, and heat shock signal molecules in dairy cows. Journal of Zhejiang University: Science B, 2015, 16, 541-548.	2.8	67
2	Plasma-based proteomics reveals immune response, complement and coagulation cascades pathway shifts in heat-stressed lactating dairy cows. Journal of Proteomics, 2016, 146, 99-108.	2.4	66
3	Heat stress on calves and heifers: a review. Journal of Animal Science and Biotechnology, 2020, 11, 79.	5.3	64
4	Long-term heat stress induces the inflammatory response in dairy cows revealed by plasma proteome analysis. Biochemical and Biophysical Research Communications, 2016, 471, 296-302.	2.1	51
5	Fiber degradation potential of natural co-cultures of Neocallimastix frontalis and Methanobrevibacter ruminantium isolated from yaks (Bos grunniens) grazing on the Qinghai Tibetan Plateau. Anaerobe, 2016, 39, 158-164.	2.1	41
6	Metabolic responses and â€œomicsâ€•technologies for elucidating the effects of heat stress in dairy cows. International Journal of Biometeorology, 2017, 61, 1149-1158.	3.0	41
7	Effect of Limit-Fed Diets With Different Forage to Concentrate Ratios on Fecal Bacterial and Archaeal Community Composition in Holstein Heifers. Frontiers in Microbiology, 2018, 9, 976.	3.5	37
8	In Vitro Fermentation Characteristics for Different Ratios of Soluble to Insoluble Dietary Fiber by Fresh Fecal Microbiota from Growing Pigs. ACS Omega, 2019, 4, 15158-15167.	3.5	37
9	Effect of dietary fiber fermentation on shortâ€chain fatty acid production and microbial composition in vitro. Journal of the Science of Food and Agriculture, 2020, 100, 4282-4291.	3.5	31
10	The release and catabolism of ferulic acid in plant cell wall by rumen microbes: A review. Animal Nutrition, 2022, 9, 335-344.	5.1	26
11	Assessment of fibrolytic activities of 18 commercial enzyme products and their abilities to degrade the cell wall fraction of corn stalks in in vitro enzymatic and ruminal batch cultures. Animal Feed Science and Technology, 2010, 159, 110-121.	2.2	25
12	In Vitro Fermentation Characteristics and Fiber-Degrading Enzyme Kinetics of Cellulose, Arabinoxylan, Î²-Glucan and Glucomannan by Pig Fecal Microbiota. Microorganisms, 2021, 9, 1071.	3.6	24
13	Effects of crude feruloyl and acetyl esterase solutions of Neocallimastix sp. YQ1 and Anaeromyces sp. YQ3 isolated from Holstein steers on hydrolysis of Chinese wildrye grass hay, wheat bran, maize bran, wheat straw and corn stalks. Animal Feed Science and Technology, 2009, 154, 218-227.	2.2	22
14	Combination Effects of Nitrocompounds, Pyromellitic Diimide, and 2-Bromoethanesulfonate on in Vitro Ruminal Methane Production and Fermentation of a Grain-Rich Feed. Journal of Agricultural and Food Chemistry, 2012, 60, 364-371.	5.2	22
15	Effect of Different Tannin Sources on Nutrient Intake, Digestibility, Performance, Nitrogen Utilization, and Blood Parameters in Dairy Cows. Animals, 2019, 9, 507.	2.3	22
16	Arginine Supplementation Recovered the IFN-Î³-Mediated Decrease in Milk Protein and Fat Synthesis by Inhibiting the GCN2/eIF2Î± Pathway, Which Induces Autophagy in Primary Bovine Mammary Epithelial Cells. Molecules and Cells, 2016, 39, 410-417.	2.6	22
17	Microbial release of ferulic and pâ€coumaric acids from forages and their digestibility in lactating cows fed total mixed rations with different forage combinations. Journal of the Science of Food and Agriculture, 2016, 96, 650-655.	3.5	21
18	Intrauterine growth restriction alters nutrient metabolism in the intestine of porcine offspring. Journal of Animal Science and Biotechnology, 2021, 12, 15.	5.3	18

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19	Effects of Selenium as a Dietary Source on Performance, Inflammation, Cell Damage, and Reproduction of Livestock Induced by Heat Stress: A Review. Frontiers in Immunology, 2021, 12, 820853.	4.8	18
20	Nitrocompounds as potential methanogenic inhibitors in ruminant animals: A review. Animal Feed Science and Technology, 2018, 236, 107-114.	2.2	16
21	Integrative hepatic metabolomics and proteomics reveal insights into the mechanism of different feed efficiency with high or low dietary forage levels in Holstein heifers. Journal of Proteomics, 2019, 194, 1-13.	2.4	15
22	Ruminal digestibility and fermentation characteristics in vitro of fenugreek and alfalfa hay combination with or without the inoculation of Neocallimastix sp. YAK11. Animal Feed Science and Technology, 2011, 169, 53-60.	2.2	14
23	The Efficacy of Bamboo Charcoal in Comparison with Smectite to Reduce the Detrimental Effect of Aflatoxin B1 on In Vitro Rumen Fermentation of a Hay-Rich Feed Mixture. Toxins, 2014, 6, 2008-2023.	3.4	14
24	In situ rumen digestibility of ester-linked ferulic and p -coumaric acids in crop stover or straws in comparison with alfalfa and Chinese wild ryegrass hays. Animal Feed Science and Technology, 2016, 212, 27-34.	2.2	14
25	Rumen Fermentation, Digestive Enzyme Activity, and Bacteria Composition between Pre-Weaning and Post-Weaning Dairy Calves. Animals, 2021, 11, 2527.	2.3	14
26	Comparison of Ruminal Degradability, Indigestible Neutral Detergent Fiber, and Total-Tract Digestibility of Three Main Crop Straws with Alfalfa Hay and Corn Silage. Animals, 2021, 11, 3218.	2.3	13
27	Four phenolic acids determined by an improved HPLC method with a programmed ultraviolet wavelength detection and their relationships with lignin content in 13 agricultural residue feeds. Journal of the Science of Food and Agriculture, 2013, 93, 53-60.	3.5	12
28	Combining Orchardgrass and Alfalfa: Effects of Forage Ratios on In Vitro Rumen Degradation and Fermentation Characteristics of Silage Compared with Hay. Animals, 2020, 10, 59.	2.3	12
29	Lactobacillus casei Zhang Counteracts Blood-Milk Barrier Disruption and Moderates the Inflammatory Response in Escherichia coli-Induced Mastitis. Frontiers in Microbiology, 2021, 12, 675492.	3.5	12
30	Effects of Saccharomyces cerevisiae Culture on Ruminal Fermentation, Blood Metabolism, and Performance of High-Yield Dairy Cows. Animals, 2021, 11, 2401.	2.3	12
31	High-Gossypol Whole Cottonseed Exhibited Mediocre Rumen Degradability and Less Microbial Fermentation Efficiency than Cottonseed Hull and Cottonseed Meal with an In Vitro Gas Production Technique. Fermentation, 2022, 8, 103.	3.0	11
32	The Effect of Different Lactic Acid Bacteria Inoculants on Silage Quality, Phenolic Acid Profiles, Bacterial Community and In Vitro Rumen Fermentation Characteristic of Whole Corn Silage. Fermentation, 2022, 8, 285.	3.0	11
33	Gossypol Exhibited Higher Detrimental Effect on Ruminal Fermentation Characteristics of Low-Forage in Comparison with High-Forage Mixed Feeds. Toxics, 2021, 9, 51.	3.7	10
34	Dietary Cysteamine Supplementation Remarkably Increased Feed Efficiency and Shifted Rumen Fermentation toward Glucogenic Propionate Production via Enrichment of Prevotella in Feedlot Lambs. Microorganisms, 2022, 10, 1105.	3.6	10
35	Effects of tributyrin supplementation on ruminal microbial protein yield, fermentation characteristics and nutrients degradability in adult Small Tail ewes. Animal Science Journal, 2018, 89, 1271-1279.	1.4	9
36	Effects of different forage combinations in total mixed rations on inÂvitro gas production kinetics, ruminal and milk fatty acid profiles of lactating cows. Animal Science Journal, 2018, 89, 1261-1270.	1.4	9

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37	Feeding Value Assessment of Substituting Cassava (Manihot esculenta) Residue for Concentrate of Dairy Cows Using an In Vitro Gas Test. Animals, 2021, 11, 307.	2.3	9
38	In situ rumen degradation characteristics and bacterial colonization of whole cottonseed, cottonseed hull and cottonseed meal with different gossypol content. AMB Express, 2021, 11, 91.	3.0	9
39	Effects of Age, Diet CP, NDF, EE, and Starch on the Rumen Bacteria Community and Function in Dairy Cattle. Microorganisms, 2021, 9, 1788.	3.6	9
40	Nutrient Digestibility, Microbial Fermentation, and Response in Bacterial Composition to Methionine Dipeptide: An In Vitro Study. Biology, 2022, 11, 93.	2.8	9
41	Gossypol detoxification in the rumen and Helicoverpa armigera larvae: A review. Animal Nutrition, 2021, 7, 967-972.	5.1	8
42	Isolation and Identification of a Rumen Lactobacillus Bacteria and Its Degradation Potential of Gossypol in Cottonseed Meal during Solid-State Fermentation. Microorganisms, 2021, 9, 2200.	3.6	8
43	Effect of dietary gossypol supplement on fermentation characteristics and bacterial diversity in the rumen of sheep. PLoS ONE, 2020, 15, e0234378.	2.5	7
44	Characterization of natural co-cultures of Piromyces with Methanobrevibacter ruminantium from yaks grazing on the Qinghai-Tibetan Plateau: a microbial consortium with high potential in plant biomass degradation. AMB Express, 2017, 7, 160.	3.0	6
45	Nitroethanol in Comparison with Monensin Exhibits Greater Feed Efficiency Through Inhibiting Rumen Methanogenesis More Efficiently and Persistently in Feedlotting Lambs. Animals, 2019, 9, 784.	2.3	6
46	Silage Fermentation and In Vitro Degradation Characteristics of Orchardgrass and Alfalfa Intercrop Mixtures as Influenced by Forage Ratios and Nitrogen Fertilizing Levels. Sustainability, 2020, 12, 871.	3.2	6
47	Effects of High-Forage Diets Containing Raw Flaxseeds or Soybean on In Vitro Ruminal Fermentation, Gas Emission, and Microbial Profile. Microorganisms, 2021, 9, 2304.	3.6	6
48	Effect of Dietary Forage/Concentrate Ratio on Nutrient Digestion and Energy and Protein Metabolism in Adult Donkeys. Animals, 2020, 10, 1025.	2.3	5
49	The Dietary Supplemental Effect of Nitroethanol in Comparison with Monensin on Methane Emission, Growth Performance and Carcass Characteristics in Female Lambs. Animals, 2021, 11, 327.	2.3	5
50	Effect of Supplementing Different Levels of L-Glutamine on Holstein Calves during Weaning. Antioxidants, 2022, 11, 542.	5.1	5
51	Protective Effects of Intestinal Gallic Acid in Neonatal Dairy Calves Against Extended-Spectrum Î²-lactamase Producing Enteroaggregative Escherichia coli Infection: Modulating Intestinal Homeostasis and Colitis. Frontiers in Nutrition, 2022, 9, 864080.	3.7	5
52	Effect of glucose addition and N sources in defined media on fibrolytic activity profiles of Neocallimastix sp. YQ1 grown on corn stover. Journal of Animal Physiology and Animal Nutrition, 2012, 96, 554-562.	2.2	4
53	Rumen Methanogenesis, Rumen Fermentation, and Microbial Community Response to Nitroethane, 2-Nitroethanol, and 2-Nitro-1-Propanol: An In Vitro Study. Animals, 2020, 10, 479.	2.3	4
54	Analysis of Chemical Composition, Amino Acid Content, and Rumen Degradation Characteristics of Six Organic Feeds. Animals, 2022, 12, 682.	2.3	4

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55	The modification of glucose levels and N source in the Hungate's medium to stimulate the production of fibrolytic enzymes of Anaeromyces sp. YQ3 grown on corn stalks. Animal Feed Science and Technology, 2012, 171, 146-153.	2.2	2
56	The Antimethanogenic Nitrocompounds Can be Cleaved into Nitrite by Rumen Microorganisms: A Comparison of Nitroethane, 2-Nitroethanol, and 2-Nitro-1-propanol. Metabolites, 2020, 10, 15.	2.9	2
57	Effect of Dietary Forage: Concentrate Ratio on Pre-Caecal and Total Digestive Tract Digestibility of Diverse Feedstuffs in Donkeys as Measured by the Mobile Nylon Bag Technique. Animals, 2020, 10, 1070.	2.3	2
58	The effects of step-wise improvement of forage combination in total mixed rations on fatty acid profile in the rumen and milk of Holstein cows. Journal of Integrative Agriculture, 2018, 17, 1833-1842.	3.5	1
59	Diurnal variations of progesterone, testosterone, and androsta-1,4-diene-3,17-dione in the rumen and in vitro progesterone transformation by mixed rumen microorganisms of lactating dairy cows. Journal of Dairy Science, 2014, 97, 3061-3072.	3.4	0