

# Hong-Jian Yang

## List of Publications by Year in descending order

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59  
papers

985  
citations

471509

17  
h-index

526287

27  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1080  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutrient Digestibility, Microbial Fermentation, and Response in Bacterial Composition to Methionine Dipeptide: An In Vitro Study. <i>Biology</i> , 2022, 11, 93.	2.8	9
2	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. <i>Fermentation</i> , 2022, 8, 103.	3.0	11
3	Analysis of Chemical Composition, Amino Acid Content, and Rumen Degradation Characteristics of Six Organic Feeds. <i>Animals</i> , 2022, 12, 682.	2.3	4
4	The release and catabolism of ferulic acid in plant cell wall by rumen microbes: A review. <i>Animal Nutrition</i> , 2022, 9, 335-344.	5.1	26
5	Effect of Supplementing Different Levels of L-Glutamine on Holstein Calves during Weaning. <i>Antioxidants</i> , 2022, 11, 542.	5.1	5
6	Protective Effects of Intestinal Gallic Acid in Neonatal Dairy Calves Against Extended-Spectrum $\beta$ -lactamase Producing Enterococcal Infection: Modulating Intestinal Homeostasis and Colitis. <i>Frontiers in Nutrition</i> , 2022, 9, 864080.	3.7	5
7	Dietary Cysteamine Supplementation Remarkably Increased Feed Efficiency and Shifted Rumen Fermentation toward Glucogenic Propionate Production via Enrichment of <i>Prevotella</i> in Feedlot Lambs. <i>Microorganisms</i> , 2022, 10, 1105.	3.6	10
8	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. <i>Fermentation</i> , 2022, 8, 285.	3.0	11
9	Feeding Value Assessment of Substituting Cassava ( <i>Manihot esculenta</i> ) Residue for Concentrate of Dairy Cows Using an In Vitro Gas Test. <i>Animals</i> , 2021, 11, 307.	2.3	9
10	The Dietary Supplemental Effect of Nitroethanol in Comparison with Monensin on Methane Emission, Growth Performance and Carcass Characteristics in Female Lambs. <i>Animals</i> , 2021, 11, 327.	2.3	5
11	Intrauterine growth restriction alters nutrient metabolism in the intestine of porcine offspring. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 15.	5.3	18
12	Gossypol Exhibited Higher Detrimental Effect on Ruminal Fermentation Characteristics of Low-Forage in Comparison with High-Forage Mixed Feeds. <i>Toxics</i> , 2021, 9, 51.	3.7	10
13	In Vitro Fermentation Characteristics and Fiber-Degrading Enzyme Kinetics of Cellulose, Arabinoxylan, $\beta$ -D-Glucan and Glucomannan by Pig Fecal Microbiota. <i>Microorganisms</i> , 2021, 9, 1071.	3.6	24
14	In situ rumen degradation characteristics and bacterial colonization of whole cottonseed, cottonseed hull and cottonseed meal with different gossypol content. <i>AMB Express</i> , 2021, 11, 91.	3.0	9
15	<i>Lactobacillus casei</i> Zhang Counteracts Blood-Milk Barrier Disruption and Moderates the Inflammatory Response in <i>Escherichia coli</i> -Induced Mastitis. <i>Frontiers in Microbiology</i> , 2021, 12, 675492.	3.5	12
16	Rumen Fermentation, Digestive Enzyme Activity, and Bacteria Composition between Pre-Weaning and Post-Weaning Dairy Calves. <i>Animals</i> , 2021, 11, 2527.	2.3	14
17	Effects of Age, Diet CP, NDF, EE, and Starch on the Rumen Bacteria Community and Function in Dairy Cattle. <i>Microorganisms</i> , 2021, 9, 1788.	3.6	9
18	Effects of <i>Saccharomyces cerevisiae</i> Culture on Ruminal Fermentation, Blood Metabolism, and Performance of High-Yield Dairy Cows. <i>Animals</i> , 2021, 11, 2401.	2.3	12

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19	Gossypol detoxification in the rumen and <i>Helicoverpa armigera</i> larvae: A review. <i>Animal Nutrition</i> , 2021, 7, 967-972.	5.1	8
20	Isolation and Identification of a Rumen <i>Lactobacillus</i> Bacteria and Its Degradation Potential of Gossypol in Cottonseed Meal during Solid-State Fermentation. <i>Microorganisms</i> , 2021, 9, 2200.	3.6	8
21	Effects of High-Forage Diets Containing Raw Flaxseeds or Soybean on In Vitro Ruminal Fermentation, Gas Emission, and Microbial Profile. <i>Microorganisms</i> , 2021, 9, 2304.	3.6	6
22	Comparison of Ruminal Degradability, Indigestible Neutral Detergent Fiber, and Total-Tract Digestibility of Three Main Crop Straws with Alfalfa Hay and Corn Silage. <i>Animals</i> , 2021, 11, 3218.	2.3	13
23	Effects of Selenium as a Dietary Source on Performance, Inflammation, Cell Damage, and Reproduction of Livestock Induced by Heat Stress: A Review. <i>Frontiers in Immunology</i> , 2021, 12, 820853.	4.8	18
24	The Antimethanogenic Nitrocompounds Can be Cleaved into Nitrite by Rumen Microorganisms: A Comparison of Nitroethane, 2-Nitroethanol, and 2-Nitro-1-propanol. <i>Metabolites</i> , 2020, 10, 15.	2.9	2
25	Heat stress on calves and heifers: a review. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 79.	5.3	64
26	Effect of dietary fiber fermentation on short-chain fatty acid production and microbial composition <i>in vitro</i> . <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 4282-4291.	3.5	31
27	Effect of dietary gossypol supplement on fermentation characteristics and bacterial diversity in the rumen of sheep. <i>PLoS ONE</i> , 2020, 15, e0234378.	2.5	7
28	Rumen Methanogenesis, Rumen Fermentation, and Microbial Community Response to Nitroethane, 2-Nitroethanol, and 2-Nitro-1-Propanol: An In Vitro Study. <i>Animals</i> , 2020, 10, 479.	2.3	4
29	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. <i>Animals</i> , 2020, 10, 1070.	2.3	2
30	Effect of Dietary Forage/Concentrate Ratio on Nutrient Digestion and Energy and Protein Metabolism in Adult Donkeys. <i>Animals</i> , 2020, 10, 1025.	2.3	5
31	Silage Fermentation and In Vitro Degradation Characteristics of Orchardgrass and Alfalfa Intercrop Mixtures as Influenced by Forage Ratios and Nitrogen Fertilizing Levels. <i>Sustainability</i> , 2020, 12, 871.	3.2	6
32	Combining Orchardgrass and Alfalfa: Effects of Forage Ratios on In Vitro Rumen Degradation and Fermentation Characteristics of Silage Compared with Hay. <i>Animals</i> , 2020, 10, 59.	2.3	12
33	Effect of Different Tannin Sources on Nutrient Intake, Digestibility, Performance, Nitrogen Utilization, and Blood Parameters in Dairy Cows. <i>Animals</i> , 2019, 9, 507.	2.3	22
34	Nitroethanol in Comparison with Monensin Exhibits Greater Feed Efficiency Through Inhibiting Rumen Methanogenesis More Efficiently and Persistently in Feedlotting Lambs. <i>Animals</i> , 2019, 9, 784.	2.3	6
35	In Vitro Fermentation Characteristics for Different Ratios of Soluble to Insoluble Dietary Fiber by Fresh Fecal Microbiota from Growing Pigs. <i>ACS Omega</i> , 2019, 4, 15158-15167.	3.5	37
36	Integrative hepatic metabolomics and proteomics reveal insights into the mechanism of different feed efficiency with high or low dietary forage levels in Holstein heifers. <i>Journal of Proteomics</i> , 2019, 194, 1-13.	2.4	15

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37	Nitrocompounds as potential methanogenic inhibitors in ruminant animals: A review. <i>Animal Feed Science and Technology</i> , 2018, 236, 107-114.	2.2	16
38	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. <i>Journal of Integrative Agriculture</i> , 2018, 17, 1833-1842.	3.5	1
39	Effects of tributyrin supplementation on ruminal microbial protein yield, fermentation characteristics and nutrients degradability in adult Small Tail ewes. <i>Animal Science Journal</i> , 2018, 89, 1271-1279.	1.4	9
40	Effect of Limit-Fed Diets With Different Forage to Concentrate Ratios on Fecal Bacterial and Archaeal Community Composition in Holstein Heifers. <i>Frontiers in Microbiology</i> , 2018, 9, 976.	3.5	37
41	Effects of different forage combinations in total mixed rations on in vitro gas production kinetics, ruminal and milk fatty acid profiles of lactating cows. <i>Animal Science Journal</i> , 2018, 89, 1261-1270.	1.4	9
42	Metabolic responses and proteomics technologies for elucidating the effects of heat stress in dairy cows. <i>International Journal of Biometeorology</i> , 2017, 61, 1149-1158.	3.0	41
43	Characterization of natural co-cultures of <i>Piromyces</i> with <i>Methanobrevibacter ruminantium</i> from yaks grazing on the Qinghai-Tibetan Plateau: a microbial consortium with high potential in plant biomass degradation. <i>AMB Express</i> , 2017, 7, 160.	3.0	6
44	Fiber degradation potential of natural co-cultures of <i>Neocallimastix frontalis</i> and <i>Methanobrevibacter ruminantium</i> isolated from yaks ( <i>Bos grunniens</i> ) grazing on the Qinghai Tibetan Plateau. <i>Anaerobe</i> , 2016, 39, 158-164.	2.1	41
45	Plasma-based proteomics reveals immune response, complement and coagulation cascades pathway shifts in heat-stressed lactating dairy cows. <i>Journal of Proteomics</i> , 2016, 146, 99-108.	2.4	66
46	Long-term heat stress induces the inflammatory response in dairy cows revealed by plasma proteome analysis. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 296-302.	2.1	51
47	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. <i>Animal Feed Science and Technology</i> , 2016, 212, 27-34.	2.2	14
48	Microbial release of ferulic and p-coumaric acids from forages and their digestibility in lactating cows fed total mixed rations with different forage combinations. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 650-655.	3.5	21
49	Arginine Supplementation Recovered the IFN- $\gamma$ -Mediated Decrease in Milk Protein and Fat Synthesis by Inhibiting the GCN2/eIF2 $\beta$ Pathway, Which Induces Autophagy in Primary Bovine Mammary Epithelial Cells. <i>Molecules and Cells</i> , 2016, 39, 410-417.	2.6	22
50	Effects of heat stress on serum insulin, adipokines, AMP-activated protein kinase, and heat shock signal molecules in dairy cows. <i>Journal of Zhejiang University: Science B</i> , 2015, 16, 541-548.	2.8	67
51	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. <i>Toxins</i> , 2014, 6, 2008-2023.	3.4	14
52	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. <i>Journal of Dairy Science</i> , 2014, 97, 3061-3072.	3.4	0
53	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. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 53-60.	3.5	12
54	Combination Effects of Nitrocompounds, Pyromellitic Diimide, and 2-Bromoethanesulfonate on in Vitro Ruminal Methane Production and Fermentation of a Grain-Rich Feed. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 364-371.	5.2	22

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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 <i>Anaeromyces</i> sp. YQ3 grown on corn stalks. <i>Animal Feed Science and Technology</i> , 2012, 171, 146-153.	2.2	2
56	Effect of glucose addition and N sources in defined media on fibrolytic activity profiles of <i>Neocallimastix</i> sp. YQ1 grown on corn stover. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 554-562.	2.2	4
57	Ruminal digestibility and fermentation characteristics in vitro of fenugreek and alfalfa hay combination with or without the inoculation of <i>Neocallimastix</i> sp. YAK11. <i>Animal Feed Science and Technology</i> , 2011, 169, 53-60.	2.2	14
58	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. <i>Animal Feed Science and Technology</i> , 2010, 159, 110-121.	2.2	25
59	Effects of crude feruloyl and acetyl esterase solutions of <i>Neocallimastix</i> sp. YQ1 and <i>Anaeromyces</i> sp. YQ3 isolated from Holstein steers on hydrolysis of Chinese wildrye grass hay, wheat bran, maize bran, wheat straw and corn stalks. <i>Animal Feed Science and Technology</i> , 2009, 154, 218-227.	2.2	22