

Bing Wang

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

810
citations

687220

13
h-index

526166

27
g-index

40
all docs

40
docs citations

40
times ranked

825
citing authors

#	ARTICLE	IF	CITATIONS
1	Constraints on the utilization of cereal straw in lactating dairy cows: A review from the perspective of systems biology. <i>Animal Nutrition</i> , 2022, 9, 240-248.	2.1	4
2	Assessment of components related to flavor and taste in Tan-lamb meat under different silage-feeding regimens using integrative metabolomics. <i>Food Chemistry: X</i> , 2022, 14, 100269.	1.8	13
3	The effects of stage of maturity and lactic acid bacteria inoculants on the ensiling characteristics, aerobic stability and in vitro digestibility of whole-crop oat silages. <i>Grassland Science</i> , 2021, 67, 55-62.	0.6	12
4	Untargeted metabolomic investigate milk and ruminal fluid of Holstein cows supplemented with <i>Perilla frutescens</i> leaf. <i>Food Research International</i> , 2021, 140, 110017.	2.9	11
5	Untargeted and Targeted Metabolomics Profiling of Muscle Reveals Enhanced Meat Quality in Artificial Pasture Grazing Tan Lambs via Rescheduling the Rumen Bacterial Community. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 846-858.	2.4	51
6	Effects of Different Carbohydrate Sources on Alfalfa Silage Quality at Different Ensiling Days. <i>Agriculture (Switzerland)</i> , 2021, 11, 58.	1.4	11
7	Effects of wilting and additives on the ensiling quality and in vitro rumen fermentation characteristics of sudangrass silage. <i>Animal Bioscience</i> , 2021, 34, 56-65.	0.8	8
8	Improvement of Fermentation Quality in the Fermented Total Mixed Ration with Oat Silage. <i>Microorganisms</i> , 2021, 9, 420.	1.6	7
9	Integrative network analysis revealed molecular mechanisms of urine urea output in lactating dairy cows: Potential solutions to reduce environmental nitrate contamination. <i>Genomics</i> , 2021, 113, 1522-1533.	1.3	2
10	Vitamin E Can Ameliorate Oxidative Damage of Ovine Hepatocytes In Vitro by Regulating Genes Expression Associated with Apoptosis and Pyroptosis, but Not Ferroptosis. <i>Molecules</i> , 2021, 26, 4520.	1.7	4
11	Using Fecal DNA Metabarcoding to Investigate Foraging Reveals the Effects of Specific Herbage on the Improved n-3 Fatty Acid (PUFA) Composition in the Longissimus Dorsi Muscle of Grazing Tan Sheep. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9725-9734.	2.4	1
12	Effects of mulberry leaf silage on antioxidant and immunomodulatory activity and rumen bacterial community of lambs. <i>BMC Microbiology</i> , 2021, 21, 250.	1.3	15
13	Dandelion (<i>Taraxacum mongolicum</i> Hand.-Mazz.) Supplementation-Enhanced Rumen Fermentation through the Interaction between Ruminal Microbiome and Metabolome. <i>Microorganisms</i> , 2021, 9, 83.	1.6	22
14	Maternal Folic Acid Supplementation Differently Affects the Small Intestinal Phenotype and Gene Expression of Newborn Lambs from Differing Litter Sizes. <i>Animals</i> , 2020, 10, 2183.	1.0	5
15	Effects of Chopping Length and Additive on the Fermentation Quality and Aerobic Stability in Silage of <i>Leymus chinensis</i> . <i>Processes</i> , 2020, 8, 1283.	1.3	7
16	Functional Analysis of Sugars in Modulating Bacterial Communities and Metabolomics Profiles of <i>Medicago sativa</i> Silage. <i>Frontiers in Microbiology</i> , 2020, 11, 641.	1.5	18
17	Integrating RNA-sequencing and untargeted LC-MS metabolomics to evaluate the effect of lysine deficiency on hepatic functions in Holstein calves. <i>Amino Acids</i> , 2020, 52, 781-792.	1.2	5
18	Effects of moisture content and additives on the ensiling quality and vitamins changes of alfalfa silage with or without rain damage. <i>Animal Science Journal</i> , 2020, 91, e13379.	0.6	7

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19	Pectin Degradation is an Important Determinant for Alfalfa Silage Fermentation through the Rescheduling of the Bacterial Community. <i>Microorganisms</i> , 2020, 8, 488.	1.6	19
20	Assessing metabolic properties of dairy cows fed low quality straws by integrative arterial and venous metabolomics. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1770-1778.	2.4	1
21	The Limiting Sequence and Appropriate Amino Acid Ratio of Lysine, Methionine, and Threonine for Seven- to Nine-Month-Old Holstein Heifers Fed Corn-Soybean M-Based Diet. <i>Animals</i> , 2019, 9, 750.	1.0	3
22	Saponin-Induced Shifts in the Rumen Microbiome and Metabolome of Young Cattle. <i>Frontiers in Microbiology</i> , 2019, 10, 356.	1.5	86
23	<i>Perilla frutescens</i> Leaf Alters the Rumen Microbial Community of Lactating Dairy Cows. <i>Microorganisms</i> , 2019, 7, 562.	1.6	30
24	Different endosperm structures in wheat and corn affected in vitro rumen fermentation and nitrogen utilization of rice straw-based diet. <i>Animal</i> , 2019, 13, 1607-1613.	1.3	8
25	The particulate passage rate, nutrient composition and fermentation characteristics across gastrointestinal tracts in lactating dairy cows fed three different forage source diets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 861-868.	1.0	4
26	Arteriovenous blood metabolomics: An efficient method to determine the key metabolic pathway for milk synthesis in the intra-mammary gland. <i>Scientific Reports</i> , 2018, 8, 5598.	1.6	9
27	Effect of cereal straw and alfalfa hay diet on amino acid profile of gastrointestinal digesta in lactating dairy cows. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 421-428.	1.0	4
28	Amino acid profiles of rumen undegradable protein: a comparison between forages including cereal straws and alfalfa and their respective total mixed rations. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 601-610.	1.0	4
29	Effects of eucalyptus oil and anise oil supplementation on rumen fermentation characteristics, methane emission, and digestibility in sheep. <i>Journal of Animal Science</i> , 2018, 96, 3460-3470.	0.2	14
30	Effects of dietary physical or nutritional factors on morphology of rumen papillae and transcriptome changes in lactating dairy cows based on three different forage-based diets. <i>BMC Genomics</i> , 2017, 18, 353.	1.2	55
31	Systematic microRNAome profiling reveals the roles of microRNAs in milk protein metabolism and quality: insights on low-quality forage utilization. <i>Scientific Reports</i> , 2016, 6, 21194.	1.6	54
32	An insufficient glucose supply causes reduced lactose synthesis in lactating dairy cows fed rice straw instead of alfalfa hay. <i>Journal of Animal Science</i> , 2016, 94, 4771-4780.	0.2	17
33	Biomarker and pathway analyses of urine metabolomics in dairy cows when corn stover replaces alfalfa hay. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 49.	2.1	40
34	Amino acid utilization of lactating dairy cows when diets are changed from an alfalfa-based diet to cereal straw-based diets. <i>Animal Feed Science and Technology</i> , 2016, 217, 56-66.	1.1	16
35	Metabolomics of Four Biofluids from Dairy Cows: Potential Biomarkers for Milk Production and Quality. <i>Journal of Proteome Research</i> , 2015, 14, 1287-1298.	1.8	139
36	Effects of Corn and Soybean Meal Types on Rumen Fermentation, Nitrogen Metabolism and Productivity in Dairy Cows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 351-359.	2.4	13

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37	Effects of alfalfa and cereal straw as a forage source on nutrient digestibility and lactation performance in lactating dairy cows. <i>Journal of Dairy Science</i> , 2014, 97, 7706-7715.	1.4	88