Xiumin Zhang

List of Publications by Year
in descending order

19	265	933447 10	996975 15
papers	citations	h-index	g-index

19	19	19	335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nitrate improves ammonia incorporation into rumen microbial protein in lactating dairy cows fed a low-protein diet. Journal of Dairy Science, 2018, 101, 9789-9799.	3.4	39
2	Molecular hydrogen generated by elemental magnesium supplementation alters rumen fermentation and microbiota in goats. British Journal of Nutrition, 2017, 118, 401-410.	2.3	26
3	Liquid hot water treatment of rice straw enhances anaerobic degradation and inhibits methane production during in vitro ruminal fermentation. Journal of Dairy Science, 2020, 103, 4252-4261.	3.4	24
4	Short communication: Variability in fermentation end-products and methanogen communities in different rumen sites of dairy cows. Journal of Dairy Science, 2018, 101, 5153-5158.	3.4	23
5	Combined effects of 3-nitrooxypropanol and canola oil supplementation on methane emissions, rumen fermentation and biohydrogenation, and total tract digestibility in beef cattle. Journal of Animal Science, 2021, 99, .	0.5	21
6	Urea plus nitrate pretreatment of rice and wheat straws enhances degradation and reduces methane production in in vitro ruminal culture. Journal of the Science of Food and Agriculture, 2018, 98, 5205-5211.	3.5	20
7	Effects of urea plus nitrate pretreated rice straw and corn oil supplementation on fiber digestibility, nitrogen balance, rumen fermentation, microbiota and methane emissions in goats. Journal of Animal Science and Biotechnology, 2019, 10, 6.	5.3	18
8	Corn oil supplementation enhances hydrogen use for biohydrogenation, inhibits methanogenesis, and alters fermentation pathways and the microbial community in the rumen of goats. Journal of Animal Science, 2019, 97, 4999-5008.	0.5	17
9	Effects of rumen cannulation on dissolved gases and methanogen community in dairy cows. Journal of Dairy Science, 2019, 102, 2275-2282.	3.4	14
10	Effects of Chemical and Mechanical Lysis on Microbial DNA Yield, Integrity, and Downstream Amplicon Sequencing of Rumen Bacteria and Protozoa. Frontiers in Microbiology, 2020, 11, 581227.	3.5	14
11	3-Nitrooxypropanol supplementation had little effect on fiber degradation and microbial colonization of forage particles when evaluated using the in situ ruminal incubation technique. Journal of Dairy Science, 2020, 103, 8986-8997.	3.4	13
12	Modeling regional and local-scale permafrost distribution in Qinghai-Tibet Plateau using equivalent-elevation method. Chinese Geographical Science, 2012, 22, 278-287.	3.0	9
13	Molecular hydrogen produced by elemental magnesium inhibits rumen fermentation and enhances methanogenesis in dairy cows. Journal of Dairy Science, 2019, 102, 5566-5576.	3.4	9
14	Proper motility enhances rumen fermentation and microbial protein synthesis with decreased saturation of dissolved gases in rumen simulation technique. Journal of Dairy Science, 2022, 105, 231-241.	3.4	8
15	Technical note: Evaluation of interval between measurements and calculation method for the quantification of enteric methane emissions measured by respiration chamber. Journal of Dairy Science, 2019, 102, 6242-6247.	3.4	5
16	Association of fibre degradation with ruminal dissolved hydrogen in growing beef bulls fed with two types of forages. British Journal of Nutrition, 2021, 125, 601-610.	2.3	4
17	Associations of ruminal hydrogen and pH with fiber digestibility and microbiota composition induced by increasing starch intake in beef cattle. Animal Feed Science and Technology, 2021, 278, 114980.	2.2	1
18	Modeling permafrost distribution using remote sensing-derived vegetation data in the source region of the Datong River in the northwestern China. , 2011, , .		0

#	Article	IF	Citations
19	Cover Image, Volume 98, Issue 14. Journal of the Science of Food and Agriculture, 2018, 98, i-i.	3.5	0