

Xiumin Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6137114/publications.pdf>

Version: 2024-02-01

19
papers

265
citations

933447

10
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

335
citing authors

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

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19	Modeling permafrost distribution using remote sensing-derived vegetation data in the source region of the Datong River in the northwestern China. , 2011, , .		0