Ratchaneewan Khiaosa-ard

List of Publications by Year
in descending order

43 papers	1,145 citations	331670 21 h-index	395702 33 g-index
44 all docs	44 docs citations	44 times ranked	1050 citing authors

#	Article	IF	Citations
1	Evidence for the inhibition of the terminal step of ruminal Î±-linolenic acid biohydrogenation by condensed tannins. Journal of Dairy Science, 2009, 92, 177-188.	3.4	176
2	Meta-analysis of the effects of essential oils and their bioactive compounds on rumen fermentation characteristics and feed efficiency in ruminants1. Journal of Animal Science, 2013, 91, 1819-1830.	0.5	111
3	Rumen microbial abundance and fermentation profile during severe subacute ruminal acidosis and its modulation by plant derived alkaloids inÂvitro. Anaerobe, 2016, 39, 4-13.	2.1	57
4	Changes in fibre-adherent and fluid-associated microbial communities and fermentation profiles in the rumen of cattle fed diets differing in hay quality and concentrate amount. FEMS Microbiology Ecology, 2017, 93, .	2.7	44
5	Cattle's variation in rumen ecology and metabolism and its contributions to feed efficiency. Livestock Science, 2014, 162, 66-75.	1.6	43
6	Transient feeding of a concentrate-rich diet increases the severity of subacute ruminal acidosis in dairy cattle1. Journal of Animal Science, 2016, 94, 726-738.	0.5	43
7	Evidence of In Vivo Absorption of Lactate and Modulation of Short Chain Fatty Acid Absorption from the Reticulorumen of Non-Lactating Cattle Fed High Concentrate Diets. PLoS ONE, 2016, 11, e0164192.	2.5	42
8	Fortification of dried distillers grains plus solubles with grape seed meal in the diet modulates methane mitigation and rumen microbiota in Rusitec. Journal of Dairy Science, 2015, 98, 2611-2626.	3.4	40
9	Signals for identifying cows at risk of subacute ruminal acidosis in dairy veterinary practice. Journal of Animal Physiology and Animal Nutrition, 2018, 102, 380-392.	2.2	40
10	Pomegranate seed pulp, pistachio hulls, and tomato pomace as replacement of wheat bran increased milk conjugated linoleic acid concentrations without adverse effects on ruminal fermentation and performance of Saanen dairy goats. Animal Feed Science and Technology, 2015, 210, 46-55.	2.2	33
11	Transfer of linoleic and linolenic acid from feed to milk in cows fed isoenergetic diets differing in proportion and origin of concentrates and roughages. Journal of Dairy Research, 2010, 77, 331-336.	1.4	32
12	A meta-analysis of feeding sugar beet pulp in dairy cows: Effects on feed intake, ruminal fermentation, performance, and net food production. Animal Feed Science and Technology, 2017, 224, 78-89.	2.2	32
13	A meta-analysis of effects of chemical composition of incubated diet and bioactive compounds on in vitro ruminal fermentation. Animal Feed Science and Technology, 2012, 176, 61-69.	2.2	31
14	Evaluation of various chemical and thermal feed processing methods for their potential to enhance resistant starch content in barley grain. Starch/Staerke, 2014, 66, 558-565.	2.1	28
15	Diet-induced inflammation: From gut to metabolic organs and the consequences for the health and longevity of ruminants. Research in Veterinary Science, 2018, 120, 17-27.	1.9	28
16	Apparent recovery of C18 polyunsaturated fatty acids from feed in cow milk: A meta-analysis of the importance of dietary fatty acids and feeding regimens in diets without fat supplementation. Journal of Dairy Science, 2015, 98, 6399-6414.	3.4	27
17	Intramammary infusion of Escherichia coli lipopolysaccharide negatively affects feed intake, chewing, and clinical variables, but some effects are stronger in cows experiencing subacute rumen acidosis. Journal of Dairy Science, 2017, 100, 1363-1377.	3.4	24
18	Factors related to variation in the susceptibility to subacute ruminal acidosis in early lactating Simmental cows fed the same grain-rich diet. Animal Feed Science and Technology, 2018, 238, 111-122.	2.2	24

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19	Models to predict the risk of subacute ruminal acidosis in dairy cows based on dietary and cow factors: A meta-analysis. Journal of Dairy Science, 2021, 104, 7761-7780.	3.4	24
20	Influence of alpine forage either employed as donor cow's feed or as incubation substrate on in vitro ruminal fatty acid biohydrogenation. Livestock Science, 2011, 140, 80-87.	1.6	23
21	Effects of black seed oil and Ferula elaeochytris supplementation on ruminal fermentation as tested in vitro with the rumen simulation technique (Rusitec). Animal Production Science, 2015, 55, 736.	1.3	23
22	Adaptive responses in short-chain fatty acid absorption, gene expression, and bacterial community of the bovine rumen epithelium recovered from a continuous or transient high-grain feeding. Journal of Dairy Science, 2019, 102, 5361-5378.	3.4	19
23	Early deposition of n-3 fatty acids from tuna oil in lean and adipose tissue of fattening pigs is mainly permanent1. Journal of Animal Science, 2009, 87, 693-703.	0.5	18
24	Substitution of common concentrates with by-products modulated ruminal fermentation, nutrient degradation, and microbial community composition in vitro. Journal of Dairy Science, 2015, 98, 4762-4771.	3.4	18
25	Mycotoxins, Phytoestrogens and Other Secondary Metabolites in Austrian Pastures: Occurrences, Contamination Levels and Implications of Geo-Climatic Factors. Toxins, 2021, 13, 460.	3.4	18
26	Temporal dynamics of in-situ fiber-adherent bacterial community under ruminal acidotic conditions determined by 16S rRNA gene profiling. PLoS ONE, 2017, 12, e0182271.	2.5	16
27	Title is missing!. ScienceAsia, 2006, 32, 297.	0.5	14
28	Fungal species and mycotoxins in mouldy spots of grass and maize silages in Austria. Mycotoxin Research, 2022, 38, 117-136.	2.3	14
29	Modulation of ruminal fermentation profile and microbial abundance in cows fed diets treated with lactic acid, without or with inorganic phosphorus supplementation. Animal Feed Science and Technology, 2017, 230, 1-12.	2.2	13
30	Betaine addition as a potent ruminal fermentation modulator under hyperthermal and hyperosmotic conditions in vitro. Journal of the Science of Food and Agriculture, 2020, 100, 2261-2271.	3.5	13
31	Gastrointestinal endotoxin and metabolic responses in cows fed and recovered from two different grain-rich challenges. Livestock Science, 2017, 203, 120-123.	1.6	12
32	Metabolic and stress responses in dairy cows fed a concentrate-rich diet and submitted to intramammary lipopolysaccharide challenge. Animal, 2018, 12, 741-749.	3.3	10
33	Physicochemical stressors and mixed alkaloid supplementation modulate ruminal microbiota and fermentation inÂvitro. Anaerobe, 2020, 65, 102263.	2.1	10
34	Cocktails of Mycotoxins, Phytoestrogens, and Other Secondary Metabolites in Diets of Dairy Cows in Austria: Inferences from Diet Composition and Geo-Climatic Factors. Toxins, 2022, 14, 493.	3.4	8
35	Methods of Emulsifying Linoleic Acid in Biohydrogenation Studies In Vitro May Bias the Resulting Fatty Acid Profiles. Lipids, 2010, 45, 651-657.	1.7	7
36	Milk fatty acid composition reflects metabolic adaptation of early lactation cows fed hay rich in water-soluble carbohydrates with or without concentrates. Animal Feed Science and Technology, 2020, 264, 114470.	2.2	7

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37	Effects of species-diverse high-alpine forage on in vitro ruminal fermentation when used as donor cow's feed or directly incubated. Animal, 2012, 6, 1764-1773.	3.3	6
38	Enrichment withn-3 fatty acid by tuna oil feeding of pigs: changes in composition and properties of bacon and different sausages as affected by the supplementation period. Canadian Journal of Animal Science, 2011, 91, 87-95.	1.5	5
39	Increasing the Slaughter Weight of Boars: Effects on Performance and Pork Quality. Journal of Applied Animal Research, 2006, 30, 19-24.	1.2	4
40	Restoration of in situ fiber degradation and the role of fibrolytic microbes and ruminal pH in cows fed grain-rich diets transiently or continuously. Animal, 2017, 11, 2193-2202.	3.3	4
41	Betaine Modulates Rumen Archaeal Community and Functioning during Heat and Osmotic Stress Conditions In Vitro. Archaea, 2020, 2020, 1-17.	2.3	3
42	Cover Image, Volume 100, Issue 5. Journal of the Science of Food and Agriculture, 2020, 100, i.	3.5	0
43	Ruminal disappearance of nutrients and ruminal phosphorus concentration in cows fed concentrates treated with lactic acid, with or without inorganic phosphorous supplementation. Livestock Science, 2022, 263, 105033.	1.6	0