Fenja Klevenhusen

List of Publications by Year
in descending order

44 papers	923 citations	430874 18 h-index	477307 29 g-index
45 all docs	45 docs citations	45 times ranked	920 citing authors

#	Article	IF	Citations
1	Replacing concentrates with a high-quality hay in the starter feed in dairy calves: I. Effects on nutrient intake, growth performance, and blood metabolic profile. Journal of Dairy Science, 2022, , .	3.4	11
2	Replacing concentrates with a high-quality hay in the starter feed of dairy calves: II. Effects on the development of chewing and gut fermentation, and selected systemic health variables. Journal of Dairy Science, 2022, , .	3.4	12
3	Effects of ensiling conditions on pyrrolizidine alkaloid degradation in silages mixed with two different <i>Senecio</i> spp.. Archives of Animal Nutrition, 2022, 76, 93-111.	1.8	3
4	A review on the potentials of using feeds rich in waterâ€soluble carbohydrates to enhance rumen health and sustainability of dairy cattle production. Journal of the Science of Food and Agriculture, 2021, 101, 5737-5746.	3.5	11
5	Predicting the transfer of contaminants in ruminants by models - potentials and challenges. ALTEX: Alternatives To Animal Experimentation, 2021, 38, 398-418.	1.5	1
6	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
7	Stability of pyrrolizidine alkaloids from Senecio vernalis in grass silage under different ensilage conditions. Journal of the Science of Food and Agriculture, 2019, 99, 6649-6654.	3.5	5
8	Feeding hay rich in waterâ€soluble carbohydrates improves ruminal pH without affecting rumination and systemic health in early lactation dairy cows. Journal of Animal Physiology and Animal Nutrition, 2019, 103, 466-476.	2.2	5
9	Effects of the supplementation of plant-based formulations on microbial fermentation and predicted metabolic function inÂvitro. Anaerobe, 2019, 57, 19-27.	2.1	8
10	A nutritional and rumen ecological evaluation of the biorefinery byâ€product alfalfa silage cake supplemented with <i>Scrophularia striata</i> extract using the rumen simulation technique. Journal of the Science of Food and Agriculture, 2019, 99, 4414-4422.	3.5	6
11	Graded replacement of corn grain with molassed sugar beet pulp modulates the fecal microbial community and hindgut fermentation profile in lactating dairy cows. Journal of Dairy Science, 2019, 102, 5019-5030.	3.4	20
12	Effects of the orange lemma (rob1) mutant line of barley cv. â€˜Opticâ€™ compared with its wild-type on the ruminal microbiome and fermentation tested with the rumen simulation technique. Crop and Pasture Science, 2019, 70, 789.	1.5	0
13	Feeding of molassed sugar beet pulp instead of maize enhances net food production of high-producing Simmental cows without impairing metabolic health. Animal Feed Science and Technology, 2018, 241, 75-83.	2.2	13
14	Graded substitution of grains with bakery by-products modulates ruminal fermentation, nutrient degradation, and microbial community composition in vitro. Journal of Dairy Science, 2018, 101, 3085-3098.	3.4	19
15	Graded replacement of maize grain with molassed sugar beet pulp modulated ruminal microbial community and fermentation profile <i>in vitro</i>. Journal of the Science of Food and Agriculture, 2018, 98, 991-997.	3.5	8
16	Scrophularia striata Extract Supports Rumen Fermentation and Improves Microbial Diversity in vitro Compared to Monensin. Frontiers in Microbiology, 2018, 9, 2164.	3.5	18
17	Lactic acid treatment of by-products and phosphorus level in the diet modulate bacterial microbiome and the predicted metagenome functions using the rumen simulation technique. Journal of Dairy Science, 2018, 101, 9800-9814.	3.4	2
18	Effects of feeding high-quality hay with graded amounts of concentrate on feed intake, performance and blood metabolites of cows in early lactation. Archives of Animal Nutrition, 2018, 72, 290-307.	1.8	9

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19	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
20	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
21	Effects of the replacement of concentrate and fibre-rich hay by high-quality hay on chewing, rumination and nutrient digestibility in non-lactating Holstein cows. Archives of Animal Nutrition, 2017, 71, 21-36.	1.8	20
22	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
23	Epimural Indicator Phylotypes of Transiently-Induced Subacute Ruminal Acidosis in Dairy Cattle. Frontiers in Microbiology, 2016, 7, 274.	3.5	34
24	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
25	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
26	Metabolic Profile and Inflammatory Responses in Dairy Cows with Left Displaced Abomasum Kept under Small-Scaled Farm Conditions. Animals, 2015, 5, 1021-1033.	2.3	7
27	Pyrosequencing reveals shifts in the bacterial epimural community relative to dietary concentrate amount in goats. Journal of Dairy Science, 2015, 98, 5572-5587.	3.4	46
28	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
29	Treatment of grain with organic acids at 2 different dietary phosphorus levels modulates ruminal microbial community structure and fermentation patterns in vitro. Journal of Dairy Science, 2015, 98, 8107-8120.	3.4	30
30	Thyme and cinnamon essential oils: Potential alternatives for monensin as a rumen modifier in beef production systems. Animal Feed Science and Technology, 2015, 200, 8-16.	2.2	42
31	Technical note: Evaluation of a real-time wireless pH measurement system relative to intraruminal differences of digesta in dairy cattle1,2. Journal of Animal Science, 2014, 92, 5635-5639.	0.5	31
32	Feeding barley grain-rich diets altered electrophysiological properties and permeability of the ruminal wall in a goat model. Journal of Dairy Science, 2013, 96, 2293-2302.	3.4	59
33	Grain-rich diets differently alter ruminal and colonic abundance of microbial populations and lipopolysaccharide in goats. Anaerobe, 2013, 20, 65-73.	2.1	121
34	Characterisation of particle dynamics and turnover in the gastrointestinal tract of Holstein cows fed forage diets differing in fibre and protein contents. Archives of Animal Nutrition, 2012, 66, 372-384.	1.8	1
35	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
36	Stable Carbon Isotope Composition of c9,t11-Conjugated Linoleic Acid in Cowâ€™s Milk as Related to Dietary Fatty Acids. Lipids, 2012, 47, 161-169.	1.7	18

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37	Effects of monolaurin on ruminal methanogens and selected bacterial species from cattle, as determined with the rumen simulation technique. Anaerobe, 2011, 17, 232-238.	2.1	14
38	Diallyl disulphide and lovastatin: effects on energy and protein utilisation in, as well as methane emission from, sheep. Archives of Animal Nutrition, 2011, 65, 255-266.	1.8	18
39	Corrigendum to: Experimental validation of the Intergovernmental Panel on Climate Change default values for ruminant-derived methane and its carbon-isotope signature. Animal Production Science, 2011, 51, 974.	1.3	2
40	Experimental validation of the Intergovernmental Panel on Climate Change default values for ruminant-derived methane and its carbon-isotope signature. Animal Production Science, 2010, 50, 159.	1.3	26
41	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
42	Efficiency of monolaurin in mitigating ruminal methanogenesis and modifying C-isotope fractionation when incubating diets composed of either C₃or C₄plants in a rumen simulation technique (Rusitec) system. British Journal of Nutrition, 2009, 102, 1308-1317.	2.3	15
43	Methanogenic potential of, and C-Isotope fractionation by, diets based on C3 and C4 plants in dairy cattle and their slurry. IOP Conference Series: Earth and Environmental Science, 2009, 6, 242023.	0.3	0
44	The methanogenic potential and C-isotope fractionation of different diet types represented by either C3 or C4 plants as evaluated in vitro and in dairy cows. Australian Journal of Experimental Agriculture, 2008, 48, 119.	1.0	8