

Antonio P. Faciola

List of Publications by Year in descending order

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79
papers

933
citations

516710

16
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580821

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all docs

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docs citations

79
times ranked

928
citing authors

#	ARTICLE	IF	CITATIONS
1	Replacing dietary soybean meal with canola meal improves production and efficiency of lactating dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 5672-5687.	3.4	64
2	Sodium propionate and sodium butyrate effects on histone deacetylase (HDAC) activity, histone acetylation, and inflammatory gene expression in bovine mammary epithelial cells ¹ . <i>Journal of Animal Science</i> , 2018, 96, 5244-5252.	0.5	51
3	Ruminal acidosis, bacterial changes, and lipopolysaccharides. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	44
4	Effects of feeding lauric acid or coconut oil on ruminal protozoa numbers, fermentation pattern, digestion, omasal nutrient flow, and milk production in dairy cows. <i>Journal of Dairy Science</i> , 2014, 97, 5088-5100.	3.4	41
5	Effects of replacing soybean meal with canola meal differing in rumen-undegradable protein content on ruminal fermentation and gas production kinetics using 2 in vitro systems. <i>Journal of Dairy Science</i> , 2017, 100, 5281-5292.	3.4	39
6	Effects of phenolic compounds on ruminal protozoa population, ruminal fermentation, and digestion in water buffaloes. <i>Livestock Science</i> , 2016, 185, 136-141.	1.6	38
7	Effects of replacing soybean meal with canola meal or treated canola meal on ruminal digestion, omasal nutrient flow, and performance in lactating dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 328-339.	3.4	33
8	Dietary protein reduction on microbial protein, amino acid digestibility, and body retention in beef cattle: 2. Amino acid intestinal absorption and their efficiency for whole-body deposition. <i>Journal of Animal Science</i> , 2018, 96, 670-683.	0.5	32
9	Feeding Canola, Camelina, and Carinata Meals to Ruminants. <i>Animals</i> , 2019, 9, 704.	2.3	25
10	Effects of Black Wattle (<i>Acacia mearnsii</i>) Condensed Tannins on Intake, Protozoa Population, Ruminal Fermentation, and Nutrient Digestibility in Jersey Steers. <i>Animals</i> , 2020, 10, 1011.	2.3	23
11	Effects of Partial Replacement of Corn with Glycerin on Ruminal Fermentation in a Dual-Flow Continuous Culture System. <i>PLoS ONE</i> , 2015, 10, e0143201.	2.5	21
12	Chemical and ruminal in vitro evaluation of Canadian canola meals produced over 4 years. <i>Journal of Dairy Science</i> , 2016, 99, 7956-7970.	3.4	21
13	Lipopolysaccharide Stimulates the Growth of Bacteria That Contribute to Ruminal Acidosis. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	20
14	Unveiling the relationships between diet composition and fermentation parameters response in dual-flow continuous culture system: a meta-analytical approach. <i>Translational Animal Science</i> , 2019, 3, 1064-1075.	1.1	18
15	Partial Replacement of Ground Corn with Glycerol in Beef Cattle Diets: Intake, Digestibility, Performance, and Carcass Characteristics. <i>PLoS ONE</i> , 2016, 11, e0148224.	2.5	17
16	Effects of lipopolysaccharide dosing on bacterial community composition and fermentation in a dual-flow continuous culture system. <i>Journal of Dairy Science</i> , 2019, 102, 334-350.	3.4	17
17	Effects of flaxseed and chia seed on ruminal fermentation, nutrient digestibility, and long-chain fatty acid flow in a dual-flow continuous culture system ¹ . <i>Journal of Animal Science</i> , 2016, 94, 1600-1609.	0.5	16
18	Effects of replacing canola meal with solvent-extracted camelina meal on microbial fermentation in a dual-flow continuous culture system. <i>Journal of Dairy Science</i> , 2018, 101, 9028-9040.	3.4	16

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19	Chemical composition, fermentative losses, and microbial counts of total mixed ration silages inoculated with different <i>Lactobacillus</i> species. <i>Journal of Animal Science</i> , 2019, 97, 1634-1644.	0.5	16
20	Effects of replacing soybean meal with canola meal for lactating dairy cows fed 3 different ratios of alfalfa to corn silage. <i>Journal of Dairy Science</i> , 2020, 103, 1463-1471.	3.4	16
21	Comparison of microbial fermentation data from dual-flow continuous culture system and omasal sampling technique: A meta-analytical approach. <i>Journal of Dairy Science</i> , 2020, 103, 2347-2362.	3.4	16
22	Tannin supplementation modulates the composition and function of ruminal microbiome in lambs infected with gastrointestinal nematodes. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	16
23	Camelina Seed Supplementation at Two Dietary Fat Levels Change Ruminal Bacterial Community Composition in a Dual-Flow Continuous Culture System. <i>Frontiers in Microbiology</i> , 2017, 8, 2147.	3.5	15
24	Effect of replacing calcium salts of palm oil with camelina seed at 2 dietary ether extract levels on digestion, ruminal fermentation, and nutrient flow in a dual-flow continuous culture system. <i>Journal of Dairy Science</i> , 2018, 101, 5046-5059.	3.4	14
25	Evaluating Strategies to Reduce Ruminal Protozoa and Their Impacts on Nutrient Utilization and Animal Performance in Ruminants – A Meta-Analysis. <i>Frontiers in Microbiology</i> , 2019, 10, 2648.	3.5	14
26	Graduate Student Literature Review: Current perspectives on whole-plant sorghum silage production and utilization by lactating dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 5783-5790.	3.4	14
27	Effects of lactic acid bacteria in a silage inoculant on ruminal nutrient digestibility, nitrogen metabolism, and lactation performance of high-producing dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 8826-8834.	3.4	14
28	Effects of lactic acid-producing bacteria as direct-fed microbials on the ruminal microbiome. <i>Journal of Dairy Science</i> , 2022, 105, 2242-2255.	3.4	14
29	Inclusion of Yerba Mate (<i>Ilex paraguariensis</i>) Extract in the Diet of Growing Lambs: Effects on Blood Parameters, Animal Performance, and Carcass Traits. <i>Animals</i> , 2020, 10, 961.	2.3	13
30	Effects of feeding lauric acid on ruminal protozoa numbers, fermentation, and digestion and on milk production in dairy cows ¹ . <i>Journal of Animal Science</i> , 2013, 91, 2243-2253.	0.5	12
31	Lactation response to soybean meal and rumen-protected methionine supplementation of corn silage-based diets. <i>Journal of Dairy Science</i> , 2018, 101, 2084-2095.	3.4	12
32	Effect of dietary protein content on performance, feed efficiency and carcass traits of feedlot Nellore and Angus – Nellore cross cattle at different growth stages. <i>Journal of Agricultural Science</i> , 2018, 156, 110-117.	1.3	12
33	Effects of supplemental source of magnesium and inclusion of buffer on ruminal microbial fermentation in continuous culture. <i>Journal of Dairy Science</i> , 2021, 104, 7820-7829.	3.4	11
34	Effects of Static or Oscillating Dietary Crude Protein Levels on Fermentation Dynamics of Beef Cattle Diets Using a Dual-Flow Continuous Culture System. <i>PLoS ONE</i> , 2016, 11, e0169170.	2.5	11
35	Effects of lauric acid on ruminal protozoal numbers and fermentation pattern and milk production in lactating dairy cows ¹ . <i>Journal of Animal Science</i> , 2013, 91, 363-373.	0.5	10
36	Effects of methionine plus cysteine inclusion on performance and body composition of liquid-fed crossbred calves fed a commercial milk replacer and no starter feed. <i>Journal of Dairy Science</i> , 2018, 101, 6055-6065.	3.4	10

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37	Does partial replacement of corn with glycerin in beef cattle diets affect in vitro ruminal fermentation, gas production kinetic, and enteric greenhouse gas emissions?. PLoS ONE, 2018, 13, e0199577.	2.5	10
38	In vitro evaluation of Lactobacillus plantarum as direct-fed microbials in high-producing dairy cows diets. Translational Animal Science, 2020, 4, 214-228.	1.1	10
39	Copper sulfate and sodium selenite lipid-microencapsulation modifies ruminal microbial fermentation in a dual-flow continuous-culture system. Journal of Dairy Science, 2020, 103, 7068-7080.	3.4	9
40	HDAC1/2-mediated regulation of JNK and ERK phosphorylation in bovine mammary epithelial cells in response to TNF α . Journal of Cellular Physiology, 2019, 234, 1088-1098.	4.1	8
41	Black Wattle (<i>Acacia mearnsii</i>) Condensed Tannins as Feed Additives to Lactating Dairy Cows. Animals, 2020, 10, 662.	2.3	8
42	Ruminal Lipopolysaccharides Analysis: Uncharted Waters with Promising Signs. Animals, 2021, 11, 195.	2.3	8
43	Effects of partially replacing dietary corn with molasses, condensed whey permeate, or treated condensed whey permeate on ruminal microbial fermentation. Journal of Dairy Science, 2022, 105, 2215-2227.	3.4	8
44	Effects of choline chloride on the ruminal microbiome at 2 dietary neutral detergent fiber concentrations in continuous culture. Journal of Dairy Science, 2022, , .	3.4	8
45	Effects of bacterial cultures, enzymes, and yeast-based feed additive combinations on ruminal fermentation in a dual-flow continuous culture system. Translational Animal Science, 2021, 5, txab026.	1.1	7
46	Effects of dietary inclusion of yerba mate (<i>Ilex paraguariensis</i>) extract on lamb muscle metabolomics and physicochemical properties in meat. Journal of Animal Science, 2021, 99, .	0.5	7
47	Effects of replacing magnesium oxide with calcium-magnesium carbonate with or without sodium bicarbonate on ruminal fermentation and nutrient flow in vitro. Journal of Dairy Science, 2022, 105, 3090-3101.	3.4	7
48	Megasphaera elsdenii and Saccharomyces Cerevisiae as direct fed microbials during an in vitro acute ruminal acidosis challenge. Scientific Reports, 2022, 12, 7978.	3.3	7
49	The effect of Haemonchus contortus and Trichostrongylus colubriforms infection on the ruminal microbiome of lambs. Experimental Parasitology, 2021, 231, 108175.	1.2	6
50	Ruminal bacteria lipopolysaccharides: an immunological and microbial outlook. Journal of Animal Science and Biotechnology, 2022, 13, 41.	5.3	5
51	Rapid Communication: Prolactin and hydrocortisone impact TNF α -mediated mitogen-activated protein kinase signaling and inflammation of bovine mammary epithelial (MAC-T) cells. Journal of Animal Science, 2017, 95, 5524-5531.	0.5	4
52	Effects of Flaxseed Oil and Vitamin E Supplementation on Digestibility and Milk Fatty Composition and Antioxidant Capacity in Water Buffaloes. Animals, 2020, 10, 1294.	2.3	4
53	Sheep Methane Emission on Semiarid Native Pasture—Potential Impacts of Either Zinc Sulfate or Propylene Glycol as Mitigation Strategies. Animals, 2020, 10, 395.	2.3	4
54	Ruminal Lipid A Analysis by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Polysaccharides, 2021, 2, 817-824.	4.8	4

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55	Effects of carbohydrate and nitrogen supplementation on fermentation of cheatgrass (<i>Bromus</i>) Tj ETQq1 1 0.784314rgBT /Qoverlock 10	0.5	3
56	Dietary protein reduction on microbial protein, amino acids digestibility, and body retention in beef cattle. I. Digestibility sites and ruminal synthesis estimated by purine bases and 15N as markers. <i>Journal of Animal Science</i> , 2018, 96, 2453-2467.	0.5	3
57	Energy and protein requirements of crossbred Holstein \times Gyr calves fed commercial milk replacer and amino acid supplement. <i>Animal Production Science</i> , 2019, 59, 879.	1.3	3
58	Effects of unprotected choline chloride on microbial fermentation in a dual-flow continuous culture depend on dietary neutral detergent fiber concentration. <i>Journal of Dairy Science</i> , 2021, 104, 2966-2978.	3.4	3
59	Effect of increasing dietary protein with constant lysine:methionine ratio on production and omasal flow of nonammonia nitrogen in lactating dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 5319-5331.	3.4	3
60	Effects of carbohydrate and nitrogen supplementation on fermentation of cheatgrass () in a dual-flow continuous culture system. <i>Journal of Animal Science</i> , 2017, 95, 1335.	0.5	3
61	Effects of calcium Mg carbonate and calcium Mg hydroxide as supplemental sources of magnesium on microbial fermentation in a dual-flow continuous culture. <i>Translational Animal Science</i> , 2021, 5, txaa229.	1.1	3
62	Effects of lignocellulolytic enzymes on the fermentation profile, chemical composition, and in situ ruminal disappearance of whole-plant corn silage. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	3
63	Adaptation of in vitro methodologies to estimate the intestinal digestion of lipids in ruminants. <i>Translational Animal Science</i> , 2021, 5, txab135.	1.1	2
64	Effects of neutral detergent fiber digestibility estimation method on calculated energy concentration of canola meals from twelve Canadian processing plants. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	2
65	Effects of sucrose and lactose as partial replacement to corn in lactating dairy cow diets: a review. <i>Translational Animal Science</i> , 2022, 6, txac044.	1.1	2
66	Effects of Zinc Sulfate or Propylene Glycol on Intake, Digestibility, and Forage Selection by Grazing Sheep in a Semi-Arid Region During the Rainy Season. <i>Animals</i> , 2019, 9, 867.	2.3	1
67	Enzymatic effects of <i>Pleurotus ostreatus</i> spent substrate on whole-plant corn silage and performance of lactating goats. <i>Journal of Dairy Science</i> , 2021, 104, 11660-11672.	3.4	1
68	Addition of Exogenous Fibrolytic Enzymes to Lactating Dairy Cow Diets. <i>Edis</i> , 2022, 2022, .	0.1	1
69	1584 Effects of replacing soybean meal with canola meal or treated canola meal on nitrogen metabolism and total tract digestibility in lactating dairy cows. <i>Journal of Animal Science</i> , 2016, 94, 770-770.	0.5	0
70	1404 Effects of replacing soybean meal with canola meal or treated canola meal on ruminal digestion, and omasal nutrient flow in lactating dairy cows. <i>Journal of Animal Science</i> , 2016, 94, 680-680.	0.5	0
71	0234 Glycerin as alternative energy source for ruminants: In vitro fermentation, total gas and methane production. <i>Journal of Animal Science</i> , 2016, 94, 111-112.	0.5	0
72	293 Nutritional evaluation of forage ephedra (<i>Ephedra nevadensis</i>) as an alternative forage using a dual-flow continuous culture system. <i>Journal of Animal Science</i> , 2017, 95, 145-145.	0.5	0

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73	Nutritional evaluation and ruminal fermentation patterns of kochia compared with alfalfa and orchardgrass hays and ephedra and cheatgrass compared with orchardgrass hay as alternative arid-land forages for beef cattle in two dual-flow continuous culture system experiments ¹ . <i>Journal of Animal Science</i> , 2018, 96, 705-714.	0.5	0
74	PSXII-36 Modelling in vitro gas production kinetics of fresh alfalfa incubated with inocula from five ruminant species. <i>Journal of Animal Science</i> , 2019, 97, 427-428.	0.5	0
75	Shrink, weighing accuracy, and weighing precision of mineral supplement in five commercial dairies in the Western United States. <i>Translational Animal Science</i> , 2021, 5, txab087.	1.1	0
76	Common Hazards to Consider During Manufacturing of Feed for Beef and Dairy Cattle. <i>Edis</i> , 2018, 2018, .	0.1	0
77	PSII-17 Program Chair Poster Pick: Effect of ruminal protozoa on methane emissions in ruminants – a meta-analysis. <i>Journal of Animal Science</i> , 2020, 98, 397-398.	0.5	0
78	Inclusion of Direct-Fed Microbials in Lactating Dairy Cow Diets. <i>Edis</i> , 2021, 2021, .	0.1	0
79	The effects of course format, sex, semester, and institution on student performance in an undergraduate animal science course. <i>Translational Animal Science</i> , 2022, 6, txac004.	1.1	0