

# Antonio P. Faciola

## List of Publications by Year in descending order

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79  
papers

933  
citations

586496

16  
h-index

651938

25  
g-index

79  
all docs

79  
docs citations

79  
times ranked

968  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.4	0
2	Effects of lactic acid-producing bacteria as direct-fed microbials on the ruminal microbiome. <i>Journal of Dairy Science</i> , 2022, 105, 2242-2255.	1.4	14
3	Effects of replacing magnesium oxide with calcium-magnesium carbonate with or without sodium bicarbonate on ruminal fermentation and nutrient flow in vitro. <i>Journal of Dairy Science</i> , 2022, 105, 3090-3101.	1.4	7
4	Effects of partially replacing dietary corn with molasses, condensed whey permeate, or treated condensed whey permeate on ruminal microbial fermentation. <i>Journal of Dairy Science</i> , 2022, 105, 2215-2227.	1.4	8
5	Effects of choline chloride on the ruminal microbiome at 2 dietary neutral detergent fiber concentrations in continuous culture. <i>Journal of Dairy Science</i> , 2022, , .	1.4	8
6	Addition of Exogenous Fibrolytic Enzymes to Lactating Dairy Cow Diets. <i>Edis</i> , 2022, 2022, .	0.0	1
7	Ruminal bacteria lipopolysaccharides: an immunological and microbial outlook. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 41.	2.1	5
8	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.	0.4	2
9	<i>Megasphaera elsdenii</i> and <i>Saccharomyces Cerevisiae</i> as direct fed microbials during an in vitro acute ruminal acidosis challenge. <i>Scientific Reports</i> , 2022, 12, 7978.	1.6	7
10	Ruminal Lipopolysaccharides Analysis: Uncharted Waters with Promising Signs. <i>Animals</i> , 2021, 11, 195.	1.0	8
11	Effects of bacterial cultures, enzymes, and yeast-based feed additive combinations on ruminal fermentation in a dual-flow continuous culture system. <i>Translational Animal Science</i> , 2021, 5, txab026.	0.4	7
12	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.	1.4	3
13	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.	0.4	0
14	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.	1.4	3
15	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.	1.4	11
16	Adaptation of in vitro methodologies to estimate the intestinal digestion of lipids in ruminants. <i>Translational Animal Science</i> , 2021, 5, txab135.	0.4	2
17	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.	1.4	14
18	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.	1.4	1

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19	Effects of dietary inclusion of yerba mate ( <i>Ilex paraguariensis</i> ) extract on lamb muscle metabolomics and physicochemical properties in meat. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	7
20	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, .	0.2	2
21	Effects of calcium–magnesium carbonate and calcium–magnesium hydroxide as supplemental sources of magnesium on microbial fermentation in a dual-flow continuous culture. <i>Translational Animal Science</i> , 2021, 5, txa229.	0.4	3
22	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, .	0.2	3
23	Ruminal Lipid A Analysis by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. <i>Polysaccharides</i> , 2021, 2, 817-824.	2.1	4
24	The effect of <i>Haemonchus contortus</i> and <i>Trichostrongylus colubriformis</i> infection on the ruminal microbiome of lambs. <i>Experimental Parasitology</i> , 2021, 231, 108175.	0.5	6
25	Inclusion of Direct-Fed Microbials in Lactating Dairy Cow Diets. <i>Edis</i> , 2021, 2021, .	0.0	0
26	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.	1.4	16
27	Ruminal acidosis, bacterial changes, and lipopolysaccharides. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	44
28	Effects of Flaxseed Oil and Vitamin E Supplementation on Digestibility and Milk Fatty Composition and Antioxidant Capacity in Water Buffaloes. <i>Animals</i> , 2020, 10, 1294.	1.0	4
29	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.	1.4	14
30	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.	1.0	23
31	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.	1.0	13
32	Copper sulfate and sodium selenite lipid-microencapsulation modifies ruminal microbial fermentation in a dual-flow continuous-culture system. <i>Journal of Dairy Science</i> , 2020, 103, 7068-7080.	1.4	9
33	Sheep Methane Emission on Semiarid Native Pasture—Potential Impacts of Either Zinc Sulfate or Propylene Glycol as Mitigation Strategies. <i>Animals</i> , 2020, 10, 395.	1.0	4
34	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.	1.4	16
35	Tannin supplementation modulates the composition and function of ruminal microbiome in lambs infected with gastrointestinal nematodes. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	1.3	16
36	Lipopolysaccharide Stimulates the Growth of Bacteria That Contribute to Ruminal Acidosis. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	1.4	20

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37	Black Wattle ( <i>Acacia mearnsii</i> ) Condensed Tannins as Feed Additives to Lactating Dairy Cows. <i>Animals</i> , 2020, 10, 662.	1.0	8
38	In vitro evaluation of <i>Lactobacillus plantarum</i> as direct-fed microbials in high-producing dairy cows diets. <i>Translational Animal Science</i> , 2020, 4, 214-228.	0.4	10
39	PSII-17 Program Chair Poster Pick: Effect of ruminal protozoa on methane emissions in ruminants â€“ a meta-analysis. <i>Journal of Animal Science</i> , 2020, 98, 397-398.	0.2	0
40	Energy and protein requirements of crossbred Holstein Ã— Gyr calves fed commercial milk replacer and amino acid supplement. <i>Animal Production Science</i> , 2019, 59, 879.	0.6	3
41	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.	0.4	18
42	Feeding Canola, Camelina, and Carinata Meals to Ruminants. <i>Animals</i> , 2019, 9, 704.	1.0	25
43	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.	0.2	16
44	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.	0.2	0
45	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.	1.0	1
46	Evaluating Strategies to Reduce Ruminal Protozoa and Their Impacts on Nutrient Utilization and Animal Performance in Ruminants â€“ A Meta-Analysis. <i>Frontiers in Microbiology</i> , 2019, 10, 2648.	1.5	14
47	HDAC1/2-mediated regulation of JNK and ERK phosphorylation in bovine mammary epithelial cells in response to TNFâ€“. <i>Journal of Cellular Physiology</i> , 2019, 234, 1088-1098.	2.0	8
48	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.	1.4	17
49	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 experiments1. <i>Journal of Animal Science</i> , 2018, 96, 705-714.	0.2	0
50	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 markers1. <i>Journal of Animal Science</i> , 2018, 96, 2453-2467.	0.2	3
51	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.	1.4	10
52	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.	0.2	32
53	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.	1.4	12
54	Effect of dietary protein content on performance, feed efficiency and carcass traits of feedlot Nellore and Angus Ã— Nellore cross cattle at different growth stages. <i>Journal of Agricultural Science</i> , 2018, 156, 110-117.	0.6	12

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55	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.	1.4	14
56	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.	1.4	33
57	Sodium propionate and sodium butyrate effects on histone deacetylase (HDAC) activity, histone acetylation, and inflammatory gene expression in bovine mammary epithelial cells <sup>1</sup> . <i>Journal of Animal Science</i> , 2018, 96, 5244-5252.	0.2	51
58	Does partial replacement of corn with glycerin in beef cattle diets affect in vitro ruminal fermentation, gas production kinetic, and enteric greenhouse gas emissions?. <i>PLoS ONE</i> , 2018, 13, e0199577.	1.1	10
59	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.	1.4	16
60	Common Hazards to Consider During Manufacturing of Feed for Beef and Dairy Cattle. <i>Edis</i> , 2018, 2018, .	0.0	0
61	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.	1.4	39
62	Effects of carbohydrate and nitrogen supplementation on fermentation of cheatgrass ( <i>Bromus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	0.2	3
63	Rapid Communication: Prolactin and hydrocortisone impact TNF $\alpha$ -mediated mitogen-activated protein kinase signaling and inflammation of bovine mammary epithelial (MAC-T) cells <sup>1</sup> . <i>Journal of Animal Science</i> , 2017, 95, 5524-5531.	0.2	4
64	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.	0.2	0
65	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.	1.5	15
66	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.	0.2	3
67	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.	0.2	0
68	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.	0.2	0
69	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.	0.2	0
70	Partial Replacement of Ground Corn with Glycerol in Beef Cattle Diets: Intake, Digestibility, Performance, and Carcass Characteristics. <i>PLoS ONE</i> , 2016, 11, e0148224.	1.1	17
71	Chemical and ruminal in vitro evaluation of Canadian canola meals produced over 4 years. <i>Journal of Dairy Science</i> , 2016, 99, 7956-7970.	1.4	21
72	Effects of flaxseed and chia seed on ruminal fermentation, nutrient digestibility, and long-chain fatty acid flow in a dual-flow continuous culture system <sup>1</sup> . <i>Journal of Animal Science</i> , 2016, 94, 1600-1609.	0.2	16

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73	Effects of phenolic compounds on ruminal protozoa population, ruminal fermentation, and digestion in water buffaloes. <i>Livestock Science</i> , 2016, 185, 136-141.	0.6	38
74	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.	1.1	11
75	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.	1.1	21
76	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.	1.4	64
77	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.	1.4	41
78	Effects of lauric acid on ruminal protozoal numbers and fermentation pattern and milk production in lactating dairy cows <sup>1</sup> . <i>Journal of Animal Science</i> , 2013, 91, 363-373.	0.2	10
79	Effects of feeding lauric acid on ruminal protozoa numbers, fermentation, and digestion and on milk production in dairy cows <sup>1</sup> . <i>Journal of Animal Science</i> , 2013, 91, 2243-2253.	0.2	12