

Sergio B Calsamiglia

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of Diet Supplementation with the Mycotoxin Binder Montmorillonite on the Bioavailability of Vitamins in Dairy Cows. <i>Toxins</i> , 2022, 14, 26.	1.5	4
2	Ruminal Microbial Degradation of Individual Amino Acids from Heat-Treated Soyabean Meal and Corn Gluten Meal in Continuous Culture. <i>Animals</i> , 2022, 12, 688.	1.0	0
3	Interactions among Natural Active Ingredients to Improve the Efficiency of Rumen Fermentation In Vitro. <i>Animals</i> , 2021, 11, 1205.	1.0	8
4	Relative bioavailability of 3 rumen-undegradable methionine sources in dairy cows using the area under the curve technique. <i>JDS Communications</i> , 2021, 2, 182-185.	0.5	3
5	Short Communication: Quantification of the Effect of Mycotoxin Binders on the Bioavailability of Fat-Soluble Vitamins In Vitro. <i>Animals</i> , 2021, 11, 2251.	1.0	4
6	Use of fat-coated or heat-treated soybean meal for partial replacement of solvent-extracted soybean meal in the diets of early lactation dairy cows. <i>Animal Production Science</i> , 2021, , .	0.6	2
7	Dose and combinations of anise oil and capsicum oleoresin as rumen fermentation modifiers in vitro and in vivo with high concentrate diets fed to Holstein beef heifers. <i>Animal Feed Science and Technology</i> , 2020, 260, 114363.	1.1	4
8	Carbon Footprint Assessment of Spanish Dairy Cattle Farms: Effectiveness of Dietary and Farm Management Practices as a Mitigation Strategy. <i>Animals</i> , 2020, 10, 2083.	1.0	9
9	Effects of Capsicum and Propyl-Propane Thiosulfonate on Rumen Fermentation, Digestion, and Milk Production and Composition in Dairy Cows. <i>Animals</i> , 2020, 10, 859.	1.0	10
10	In vitro assessment of the capacity of certain mycotoxin binders to adsorb some amino acids and water-soluble vitamins. <i>Journal of Dairy Science</i> , 2020, 103, 3125-3132.	1.4	17
11	A virtual dairy herd as a tool to teach dairy production and management. <i>Journal of Dairy Science</i> , 2020, 103, 2896-2905.	1.4	10
12	Estimating degradation of individual essential amino acids in fish meal and blood meal by rumen microbes in a dual-flow continuous-culture system. <i>Journal of Dairy Science</i> , 2020, 103, 6209-6217.	1.4	3
13	Exploring Additive, Synergistic or Antagonistic Effects of Natural Plant Extracts on In Vitro Beef Feedlot-Type Rumen Microbial Fermentation Conditions. <i>Animals</i> , 2020, 10, 173.	1.0	6
14	The Use of an Activity Monitoring System for the Early Detection of Health Disorders in Young Bulls. <i>Animals</i> , 2019, 9, 924.	1.0	9
15	Strategies to modify the ruminal biohydrogenation of polyunsaturated fatty acids and the production of trans -10, cis -12 C18:2 in vitro. <i>Animal Feed Science and Technology</i> , 2018, 235, 158-165.	1.1	4
16	Effects of live yeast (<i>Saccharomyces cerevisiae</i>) and type of cereal on rumen microbial fermentation in a dual flow continuous culture fermentation system. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 1488-1496.	1.0	8
17	Phytochemicals as antibiotic alternatives to promote growth and enhance host health. <i>Veterinary Research</i> , 2018, 49, 76.	1.1	271
18	A stochastic dynamic model of a dairy farm to evaluate the technical and economic performance under different scenarios. <i>Journal of Dairy Science</i> , 2018, 101, 7517-7530.	1.4	15

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19	Classification of Unelaborated Culinary Products: Scientific and Culinary Approaches Meet Face to Face. <i>Food, Culture & Society</i> , 2017, 20, 525-553.	0.6	3
20	A metaanalysis of feeding strategies to increase the content of conjugated linoleic acid (CLA) in dairy cattle milk and the impact on daily human consumption. <i>Animal Feed Science and Technology</i> , 2016, 217, 13-26.	1.1	46
21	Effects of essential oil compounds addition on ryegrass silage protein degradation. <i>Canadian Journal of Animal Science</i> , 2016, 96, 100-103.	0.7	9
22	The effects of a garlic oil chemical compound, propyl-propane thiosulfonate, on ruminal fermentation and fatty acid outflow in a dual-flow continuous culture system. <i>Journal of Dairy Science</i> , 2015, 98, 5482-5491.	1.4	18
23	Effect of sodium butyrate administered in the concentrate on rumen development and productive performance of lambs in intensive production system during the suckling and the fattening periods. <i>Small Ruminant Research</i> , 2015, 123, 212-217.	0.6	22
24	Effect of pH on in vitro microbial fermentation and nutrient flow in diets containing barley straw or non-forage fiber sources. <i>Animal Feed Science and Technology</i> , 2015, 200, 17-24.	1.1	15
25	Performance, behaviour and meat quality of beef heifers fed concentrate and straw offered as total mixed ration or free-choice. <i>Spanish Journal of Agricultural Research</i> , 2015, 13, e0610.	0.3	5
26	Sweet taste receptor expression in ruminant intestine and its activation by artificial sweeteners to regulate glucose absorption. <i>Journal of Dairy Science</i> , 2014, 97, 4955-4972.	1.4	66
27	Feed intake, ruminal fermentation, and animal behavior of beef heifers fed forage free diets containing nonforage fiber sources ¹ . <i>Journal of Animal Science</i> , 2013, 91, 3827-3835.	0.2	12
28	Effect of feeding method on intake and behaviour of individually reared beef heifers fed a concentrate diet from 115 to 185 kg of body weight. <i>Animal</i> , 2012, 6, 1483-1490.	1.3	7
29	Rumen Health: A 360° Analysis. <i>Animal Feed Science and Technology</i> , 2012, 172, 1-3.	1.1	5
30	Is subacute ruminal acidosis a pH related problem? Causes and tools for its control. <i>Animal Feed Science and Technology</i> , 2012, 172, 42-50.	1.1	80
31	Ruminal acidosis in feedlot cattle: Interplay between feed ingredients, rumen function and feeding behavior (a review). <i>Animal Feed Science and Technology</i> , 2012, 172, 66-79.	1.1	154
32	Effects of dietary addition of capsicum extract on intake, water consumption, and rumen fermentation of fattening heifers fed a high-concentrate diet ¹ . <i>Journal of Animal Science</i> , 2012, 90, 1879-1884.	0.2	30
33	Effect of pH on ruminal fermentation and biohydrogenation of diets rich in omega-3 or omega-6 fatty acids in continuous culture of ruminal fluid. <i>Animal Feed Science and Technology</i> , 2011, 169, 35-45.	1.1	27
34	Feeding behavior and ruminal acidosis in beef cattle offered a total mixed ration or dietary components separately ¹ . <i>Journal of Animal Science</i> , 2011, 89, 520-530.	0.2	48
35	Performance, ruminal changes, behaviour and welfare of growing heifers fed a concentrate diet with or without barley straw. <i>Animal</i> , 2011, 5, 294-303.	1.3	35
36	Strategies for optimizing nitrogen use by ruminants. <i>Animal</i> , 2010, 4, 1184-1196.	1.3	209

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37	Effects of acarbose on ruminal fermentation, blood metabolites and microbial profile involved in ruminal acidosis in lactating cows fed a high-carbohydrate ration. <i>Journal of Dairy Research</i> , 2010, 77, 123-128.	0.7	13
38	Effect of dietary crude protein modification on ammonia and nitrous oxide concentration on a tie-stall dairy barn floor. <i>Journal of Dairy Science</i> , 2010, 93, 3158-3165.	1.4	22
39	Physiological changes in rumen fermentation during acidosis induction and its control using a multivalent polyclonal antibody preparation in heifers. <i>Journal of Animal Science</i> , 2009, 87, 1722-1730.	0.2	40
40	Effects of dietary changes and yeast culture (<i>Saccharomyces cerevisiae</i>) on rumen microbial fermentation of Holstein heifers ¹ . <i>Journal of Animal Science</i> , 2009, 87, 2874-2881.	0.2	25
41	Intestinal digestibility of amino acids in rumen undegradable protein estimated using a precision-fed cecectomized rooster bioassay: I. Soybean meal and SoyPlus. <i>Journal of Dairy Science</i> , 2009, 92, 4489-4498.	1.4	22
42	Nutritional and management strategies on nitrogen and phosphorus use efficiency of lactating dairy cattle on commercial farms: An environmental perspective. <i>Journal of Dairy Science</i> , 2009, 92, 204-215.	1.4	55
43	Effect of pH and level of concentrate in the diet on the production of biohydrogenation intermediates in a dual-flow continuous culture. <i>Journal of Dairy Science</i> , 2009, 92, 4456-4466.	1.4	90
44	Intestinal digestibility of amino acids in rumen-undegraded protein estimated using a precision-fed cecectomized rooster bioassay: II. Distillers dried grains with solubles and fish meal. <i>Journal of Dairy Science</i> , 2009, 92, 6056-6067.	1.4	23
45	In vitro digestibility of individual amino acids in rumen-undegraded protein: The modified three-step procedure and the immobilized digestive enzyme assay. <i>Journal of Dairy Science</i> , 2009, 92, 3939-3950.	1.4	19
46	Intake, water consumption, ruminal fermentation, and stress response of beef heifers fed after different lengths of delays in the daily feed delivery time. <i>Journal of Animal Science</i> , 2009, 87, 2709-2718.	0.2	26
47	A review of plant-derived essential oils in ruminant nutrition and production. <i>Animal Feed Science and Technology</i> , 2008, 145, 209-228.	1.1	396
48	Anise and capsicum as alternatives to monensin to modify rumen fermentation in beef heifers fed a high concentrate diet. <i>Animal Feed Science and Technology</i> , 2008, 145, 409-417.	1.1	47
49	In vitro evaluation of effects of ten essential oils at three doses on ruminal fermentation of high concentrate feedlot-type diets. <i>Animal Feed Science and Technology</i> , 2008, 145, 259-270.	1.1	70
50	Effects of saponins, quercetin, eugenol, and cinnamaldehyde on fatty acid biohydrogenation of forage polyunsaturated fatty acids in dual-flow continuous culture fermenters ¹ . <i>Journal of Animal Science</i> , 2008, 86, 3045-3053.	0.2	64
51	Increasing sodium bicarbonate level in high-concentrate diets for heifers. I. Effects on intake, water consumption and ruminal fermentation. <i>Animal</i> , 2008, 2, 705-712.	1.3	12
52	Increasing sodium bicarbonate level in high-concentrate diets for heifers. II. Effects on chewing and feeding behaviors. <i>Animal</i> , 2008, 2, 713-722.	1.3	19
53	Effect of the number of concentrate feeding places per pen on performance, behavior, and welfare indicators of Friesian calves during the first month after arrival at the feedlot ¹ . <i>Journal of Animal Science</i> , 2008, 86, 419-431.	0.2	25
54	Performance, behavior, and welfare of Friesian heifers housed in pens with two, four, and eight individuals per concentrate feeding place ¹ . <i>Journal of Animal Science</i> , 2008, 86, 1446-1458.	0.2	53

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55	Changes in rumen microbial fermentation are due to a combined effect of type of diet and pH1. <i>Journal of Animal Science</i> , 2008, 86, 702-711.	0.2	118
56	Effect of the magnitude of the decrease of rumen pH on rumen fermentation in a dual-flow continuous culture system1. <i>Journal of Animal Science</i> , 2008, 86, 378-383.	0.2	20
57	Effects of dose and adaptation time of a specific blend of essential oil compounds on rumen fermentation. <i>Animal Feed Science and Technology</i> , 2007, 132, 186-201.	1.1	83
58	Invited Review: Essential Oils as Modifiers of Rumen Microbial Fermentation. <i>Journal of Dairy Science</i> , 2007, 90, 2580-2595.	1.4	637
59	Effects of Patterns of Suboptimal pH on Rumen Fermentation in a Dual-Flow Continuous Culture System. <i>Journal of Dairy Science</i> , 2007, 90, 4368-4377.	1.4	11
60	Effects of Corn Silage Derived from a Genetically Modified Variety Containing Two Transgenes on Feed Intake, Milk Production, and Composition, and the Absence of Detectable Transgenic Deoxyribonucleic Acid in Milk in Holstein Dairy Cows. <i>Journal of Dairy Science</i> , 2007, 90, 4718-4723.	1.4	35
61	Effect of Amount of Concentrate Offered in Automatic Milking Systems on Milking Frequency, Feeding Behavior, and Milk Production of Dairy Cattle Consuming High Amounts of Corn Silage. <i>Journal of Dairy Science</i> , 2007, 90, 5049-5055.	1.4	41
62	Effects of Time at Suboptimal pH on Rumen Fermentation in a Dual-Flow Continuous Culture System. <i>Journal of Dairy Science</i> , 2007, 90, 1486-1492.	1.4	28
63	Effects of feeding frequency on intake, ruminal fermentation, and feeding behavior in heifers fed high-concentrate diets1. <i>Journal of Animal Science</i> , 2007, 85, 2538-2547.	0.2	73
64	Plant Extracts Affect In Vitro Rumen Microbial Fermentation. <i>Journal of Dairy Science</i> , 2006, 89, 761-771.	1.4	327
65	Effect of Essential Oil Active Compounds on Rumen Microbial Fermentation and Nutrient Flow in In Vitro Systems. <i>Journal of Dairy Science</i> , 2006, 89, 2649-2658.	1.4	234
66	In situ degradability of seven plant protein supplements in heifers fed high concentrate diets with different forage to concentrate ratio. <i>Animal Feed Science and Technology</i> , 2006, 125, 73-87.	1.1	29
67	Effects of dietary nonstructural carbohydrates and protein sources on feeding behavior of tethered heifers fed high-concentrate diets1. <i>Journal of Animal Science</i> , 2006, 84, 1197-1204.	0.2	26
68	Effects of nonstructural carbohydrates and protein sources on intake, apparent total tract digestibility, and ruminal metabolism in vivo and in vitro with high-concentrate beef cattle diets1. <i>Journal of Animal Science</i> , 2006, 84, 1188-1196.	0.2	45
69	Effects of alfalfa extract, anise, capsicum, and a mixture of cinnamaldehyde and eugenol on ruminal fermentation and protein degradation in beef heifers fed a high-concentrate diet1. <i>Journal of Animal Science</i> , 2006, 84, 2801-2808.	0.2	149
70	Technical note: A modified three-step in vitro procedure to determine intestinal digestion of proteins. <i>Journal of Animal Science</i> , 2006, 84, 2163-2167.	0.2	113
71	Alternatives to Antimicrobial Growth Promoters in Cattle. <i>Recent Advances in Animal Nutrition</i> , 2006, 2005, 129-167.	0.1	21
72	Effects of Cinnamaldehyde and Garlic Oil on Rumen Microbial Fermentation in a Dual Flow Continuous Culture. <i>Journal of Dairy Science</i> , 2005, 88, 2508-2516.	1.4	178

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73	Effect of Garlic Oil and Four of its Compounds on Rumen Microbial Fermentation. Journal of Dairy Science, 2005, 88, 4393-4404.	1.4	193
74	Nitrogen Metabolism in the Rumen. Journal of Dairy Science, 2005, 88, E9-E21.	1.4	551
75	Effects of a specific blend of essential oil compounds and the type of diet on rumen microbial fermentation and nutrient flow from a continuous culture system. Animal Feed Science and Technology, 2005, 119, 29-41.	1.1	100
76	Screening for effects of plant extracts and active compounds of plants on dairy cattle rumen microbial fermentation in a continuous culture system. Animal Feed Science and Technology, 2005, 123-124, 597-613.	1.1	105
77	Effects of a specific blend of essential oil compounds on dry matter and crude protein degradability in heifers fed diets with different forage to concentrate ratios. Animal Feed Science and Technology, 2004, 114, 91-104.	1.1	63
78	Effects of Fiber Content and Particle Size of Forage on the Flow of Microbial Amino Acids from Continuous Culture Fermenters. Journal of Dairy Science, 2004, 87, 1413-1424.	1.4	26
79	The nutritive value of concentrate feedstuffs for ruminant animals. Animal Feed Science and Technology, 2003, 110, 145-157.	1.1	17
80	Effects of pH and pH Fluctuations on Microbial Fermentation and Nutrient Flow from a Dual-Flow Continuous Culture System. Journal of Dairy Science, 2002, 85, 574-579.	1.4	101
81	Effect of nitrogen source in high-concentrate, low-protein beef cattle diets on microbial fermentation studied in vivo and in vitro.. Journal of Animal Science, 2001, 79, 1944.	0.2	48
82	Effect of ruminal microflora on the biotransformation of netobimin, albendazole, albendazole sulfoxide, and albendazole sulfoxide enantiomers in an artificial rumen.. Journal of Animal Science, 2001, 79, 1288.	0.2	10
83	Comparison of voluntary food intake, apparent digestibility, digesta kinetics and digestive tract content in Manchega and Lacaune dairy sheep in late pregnancy and early and mid lactation. Animal Science, 2001, 72, 209-221.	1.3	22
84	Effects of protein concentration and degradability on performance, ruminal fermentation, and nitrogen metabolism in rapidly growing heifers fed high-concentrate diets from 100 to 230 kg body weight.. Journal of Animal Science, 2000, 78, 1667.	0.2	83
85	Nitrogen Metabolism of Early Lactation Cows Fed Diets with Two Different Levels of Protein and Different Amino Acid Profiles. Journal of Dairy Science, 2000, 83, 2585-2595.	1.4	70
86	Effects of calcium soaps and rumen undegradable protein on the milk production and composition of dairy ewes. Journal of Dairy Research, 1999, 66, 177-191.	0.7	40
87	Alternative techniques for measuring nutrient digestion in ruminants.. Journal of Animal Science, 1997, 75, 2256.	0.2	111
88	Variation in ruminal degradation and intestinal digestion of animal byproduct proteins. Animal Feed Science and Technology, 1996, 63, 1-7.	1.1	17
89	Comparison of nitrogen-15 and purines as microbial markers in continuous culture.. Journal of Animal Science, 1996, 74, 1375.	0.2	56
90	A three-step in vitro procedure for estimating intestinal digestion of protein in ruminants2. Journal of Animal Science, 1995, 73, 1459-1465.	0.2	297

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91	Effects of Ruminant Versus Duodenal Dosing of Fish Meal on Ruminant Fermentation and Milk Composition. <i>Journal of Dairy Science</i> , 1995, 78, 1999-2007.	1.4	20
92	Effects of diets formulated to contain different amounts of rumen non-degradable protein on microbial fermentation and nutrient flow from a continuous culture system. <i>Animal Feed Science and Technology</i> , 1992, 39, 239-252.	1.1	8
93	Effect of Fish Meal and Expeller-Processed Soybean Meal Fed to Dairy Cows Receiving Bovine Somatotropin (Somatotribove). <i>Journal of Dairy Science</i> , 1992, 75, 2454-2462.	1.4	13