

# Alejandro E Relling

## List of Publications by Year in descending order

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77  
papers

901  
citations

623734

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526287

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Review: Biological determinants of between-animal variation in feed efficiency of growing beef cattle. <i>Animal</i> , 2018, 12, s321-s335.	3.3	137
2	Feeding Rumen-Inert Fats Differing in Their Degree of Saturation Decreases Intake and Increases Plasma Concentrations of Gut Peptides in Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2007, 90, 1506-1515.	3.4	118
3	Prepartum dietary energy source fed to beef cows: II. Effects on progeny postnatal growth, glucose tolerance, and carcass composition <sup>1</sup> . <i>Journal of Animal Science</i> , 2012, 90, 4962-4974.	0.5	64
4	Abomasal infusion of casein, starch and soybean oil differentially affect plasma concentrations of gut peptides and feed intake in lactating dairy cows. <i>Domestic Animal Endocrinology</i> , 2008, 35, 35-45.	1.6	46
5	Effect of feed restriction and supplemental dietary fat on gut peptide and hypothalamic neuropeptide messenger ribonucleic acid concentrations in growing wethers <sup>1</sup> . <i>Journal of Animal Science</i> , 2010, 88, 737-748.	0.5	34
6	Associations of pre- and postpartum lying time with metabolic, inflammation, and health status of lactating dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 3348-3361.	3.4	29
7	Prepartum fatty acid supplementation in sheep. II. Supplementation of eicosapentaenoic acid and docosahexaenoic acid during late gestation alters the fatty acid profile of plasma, colostrum, milk and adipose tissue, and increases lipogenic gene expression of adipose tissue <sup>1</sup> . <i>Journal of Animal Science</i> , 2018, 96, 1181-1204.	0.5	24
8	Prepartum fatty acid supplementation in sheep I. Eicosapentaenoic and docosahexaenoic acid supplementation do not modify ewe and lamb metabolic status and performance through weaning. <i>Journal of Animal Science</i> , 2018, 96, 364-374.	0.5	23
9	Prepartum fatty acid supplementation in sheep. III. Effect of eicosapentaenoic acid and docosahexaenoic acid during finishing on performance, hypothalamus gene expression, and muscle fatty acids composition in lambs <sup>1</sup> . <i>Journal of Animal Science</i> , 2018, 96, 5300-5310.	0.5	21
10	Effect of Long-Term Fish Oil Supplementation on Semen Quality and Serum Testosterone Concentrations in Male Dogs. <i>International Journal of Fertility &amp; Sterility</i> , 2016, 10, 223-31.	0.2	21
11	Plasma Concentrations of Gut Peptides in Dairy Cattle Increase after Calving. <i>Journal of Dairy Science</i> , 2007, 90, 325-330.	3.4	19
12	Supplementation with eicosapentaenoic and docosahexaenoic acids in late gestation in ewes changes adipose tissue gene expression in the ewe and growth and plasma concentration of ghrelin in the offspring <sup>1</sup> . <i>Journal of Animal Science</i> , 2019, 97, 2631-2643.	0.5	18
13	Association between prepartum metabolic status and resumption of postpartum ovulation in dairy cows. <i>Domestic Animal Endocrinology</i> , 2019, 69, 62-67.	1.6	18
14	Effect of abomasal glucose infusion on plasma concentrations of gut peptides in periparturient dairy cows. <i>Journal of Dairy Science</i> , 2010, 93, 5729-5736.	3.4	17
15	Effects of maternal dietary omega-3 polyunsaturated fatty acids and methionine during late gestation on fetal growth, DNA methylation, and mRNA relative expression of genes associated with the inflammatory response, lipid metabolism and DNA methylation in placenta and offspring's liver in sheep. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 111.	5.3	17
16	Evaluation of feedlot performance, carcass characteristics, carcass retail cut distribution, Warner-Bratzler shear force, and fatty acid composition of purebred Jersey and crossbred Jersey steers. <i>Translational Animal Science</i> , 2019, 3, 1475-1491.	1.1	15
17	Role of Long Chain Fatty Acids in Developmental Programming in Ruminants. <i>Animals</i> , 2021, 11, 762.	2.3	14
18	Effects of Copper and Zinc Supplementation on Weight Gain and Hematological Parameters in Pre-weaning Calves. <i>Biological Trace Element Research</i> , 2018, 185, 327-331.	3.5	13

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19	Eicosapentaenoic and docosahexaenoic acid supplementation during early gestation modified relative abundance on placenta and fetal liver tissue mRNA and concentration pattern of fatty acids in fetal liver and fetal central nervous system of sheep. <i>PLoS ONE</i> , 2020, 15, e0235217.	2.5	12
20	Effect of peer instruction on the likelihood for choosing the correct response to a physiology question. <i>American Journal of Physiology - Advances in Physiology Education</i> , 2015, 39, 167-171.	1.6	11
21	Effects of dietary calcium propionate on growth performance and carcass characteristics of finishing lambs. <i>Animal Production Science</i> , 2016, 56, 1194.	1.3	10
22	Parturition fatty acid supplementation in sheep. IV. Effect of calcium salts with eicosapentaenoic acid and docosahexaenoic acid in the maternal and finishing diet on lamb liver and adipose tissue during the lamb finishing period. <i>Journal of Animal Science</i> , 2019, 97, 3071-3088.	0.5	10
23	Associations of postpartum lying time with culling, milk yield, cyclicity, and reproductive performance of lactating dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 3362-3375.	3.4	10
24	Application of an Electronic Nose and HS-SPME/GC-MS to Determine Volatile Organic Compounds in Fresh Mexican Cheese. <i>Foods</i> , 2022, 11, 1887.	4.3	10
25	Plasma ghrelin and oxyntomodulin concentrations in lactating dairy cows receiving abomasal soybean oil, corn starch, and casein infusions. <i>Domestic Animal Endocrinology</i> , 2010, 38, 284-288.	1.6	9
26	Effect of feeding fat or intrajugular infusion of glucagon-like peptide-1 and cholecystokinin on dry matter intake, digestibility, and digesta rate of passage in growing wethers. <i>Journal of Animal Science</i> , 2011, 89, 168-178.	0.5	9
27	Effect of fish oil and vitamin E on sperm lipid peroxidation in dogs. <i>Journal of Nutritional Science</i> , 2017, 6, e48.	1.9	9
28	The presence of acylated ghrelin during <i>in vitro</i> maturation of bovine oocytes induces cumulus cell DNA damage and apoptosis, and impairs early embryo development. <i>Zygote</i> , 2017, 25, 601-611.	1.1	9
29	Supplemental Herbal Choline Increases 5-hmC DNA on Whole Blood from Pregnant Ewes and Offspring. <i>Animals</i> , 2020, 10, 1277.	2.3	9
30	Short communication: Plasma concentration of glucose-dependent insulinotropic polypeptide may regulate milk energy production in lactating dairy cows. <i>Journal of Dairy Science</i> , 2014, 97, 2440-2443.	3.4	8
31	Intranasal oxytocin treatment does not attenuate the hypothalamo-pituitary-adrenal axis in beef heifers subjected to isolation stress or restraint and isolation stress. <i>Domestic Animal Endocrinology</i> , 2020, 70, 106379.	1.6	8
32	The effects of supplementing yeast fermentation products on gut permeability, hormone concentration, and growth in newborn dairy calves. <i>Translational Animal Science</i> , 2020, 4, 809-821.	1.1	8
33	Maternal Supply of Fatty Acids during Late Gestation on Offspring's Growth, Metabolism, and Carcass Characteristics in Sheep. <i>Animals</i> , 2021, 11, 719.	2.3	8
34	Effects of glucose, propionate and splanchnic hormones on neuropeptide mRNA concentrations in the ovine hypothalamus. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2012, 96, 648-654.	2.2	7
35	Effect of feeding a palmitic acid-enriched supplement on production responses and nitrogen metabolism of mid-lactating Holstein and Jersey cows. <i>Journal of Dairy Science</i> , 2020, 103, 8898-8909.	3.4	7
36	Effect of supplementation with different fatty acid profile to the dam in early gestation and to the offspring on the finishing diet on offspring growth and hypothalamus mRNA expression in sheep. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	7

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37	Effect of corn processing on growth performance, carcass characteristics, and plasma glucose-dependent insulinotropic polypeptide and metabolite concentrations in feedlot cattle <sup>1</sup> . <i>Translational Animal Science</i> , 2020, 4, 822-830.	1.1	6
38	Association of prepartum lying time with nonesterified fatty acids and stillbirth in prepartum dairy heifers and cows. <i>Journal of Dairy Science</i> , 2020, 103, 11782-11794.	3.4	6
39	Evaluation of feedlot performance, carcass characteristics, carcass retail cut distribution, Warner-Bratzler shear force, and fatty acid composition of crossbred Jersey steers and heifers. <i>Applied Animal Science</i> , 2019, 35, 615-627.	1.2	5
40	Short communication: pharmacokinetics of oxytocin administered intranasally to beef cattle. <i>Domestic Animal Endocrinology</i> , 2020, 71, 106387.	1.6	5
41	Use of narasin in diets for lactating ewes. <i>Small Ruminant Research</i> , 2020, 187, 106108.	1.2	5
42	Effects of Dietary Calcium Propionate Supplementation on Hypothalamic Neuropeptide Messenger RNA Expression and Growth Performance in Finishing Rambouillet Lambs. <i>Life</i> , 2021, 11, 566.	2.4	5
43	Effect of time of gestation on fatty acid transporters mRNA expression in bovine placenta. <i>Bioscience Journal</i> , 0, , 180-185.	0.4	5
44	Effects of sodium hydroxide treatment of dried distillers' grains on digestibility, ruminal metabolism, and metabolic acidosis of feedlot steers <sup>1</sup> . <i>Journal of Animal Science</i> , 2016, 94, 709-717.	0.5	4
45	Sources of variation in corn silage and total mixed rations of commercial dairy farms. <i>The Professional Animal Scientist</i> , 2018, 34, 148-155.	0.7	4
46	Effects of rumen-protected carbohydrate supplementation on performance and blood metabolites in feedlot finishing steers during heat stress. <i>Translational Animal Science</i> , 2019, 3, 513-521.	1.1	4
47	Beef cows housed in mud during late gestation have greater net energy requirements compared with cows housed on wood chip bedding. <i>Translational Animal Science</i> , 2022, 6, .	1.1	4
48	Physical response of dogs supplemented with fish oil during a treadmill training programme. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 653-660.	2.2	3
49	Opportunities to improve the accuracy of the United States Department of Agriculture beef yield grade equation through precision agriculture <sup>1</sup> . <i>Translational Animal Science</i> , 2020, 4, 1216-1223.	1.1	3
50	Effect of preshipment preconditioning and injectable antioxidant trace elements (Cu, Mn, Se, Zn) and vitamins (A, E) on plasma metabolite and hormone concentrations and growth in weaned beef cattle. <i>Translational Animal Science</i> , 2021, 5, txaa233.	1.1	3
51	A polyherbal phytogenic additive improved growth performance, health, and immune response in dairy calves. <i>Food and Agricultural Immunology</i> , 2021, 32, 482-498.	1.4	3
52	Expression of Ghrelin and Its Receptor mRNA in Bovine Oocyte and Cumulus Cells. <i>International Journal of Fertility &amp; Sterility</i> , 2019, 12, 335-338.	0.2	3
53	Maternal supply of a source of omega-3 fatty acids and methionine during late gestation on the offspring's growth, metabolism, carcass characteristic, and liver's mRNA expression in sheep. <i>Journal of Animal Science</i> , 2022, 100, .	0.5	3
54	Effects of feeding corn silage, pelleted, ensiled, or pelleted and ensiled alfalfa on growth and carcass characteristics of lamb. <i>South African Journal of Animal Sciences</i> , 2017, 47, 704.	0.5	2

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55	Effect of oscillating feeding time and corn processing on performance and carcass characteristics of feedlot steers. <i>Translational Animal Science</i> , 2020, 4, 974-979.	1.1	2
56	Brief communication: Plasma cortisol concentration is affected by lactation, but not intra-nasal oxytocin treatment, in beef cows. <i>PLoS ONE</i> , 2021, 16, e0249323.	2.5	2
57	Intranasal oxytocin treatment on the day of weaning does not decrease walking behavior or improve plasma metabolites in beef calves placed on pasture. <i>Translational Animal Science</i> , 2021, 5, txab191.	1.1	2
58	Intravenous glucagon like peptide-1 infusion does not affect dry matter intake or hypothalamic mRNA expression of neuropeptide Y, agouti related peptide and proopiomelanocortin in wethers. <i>Canadian Journal of Animal Science</i> , 2014, 94, 357-362.	1.5	1
59	Effect of oscillating time of feeding and oscillating diet formulation on performance and carcass characteristics in feedlot steers. <i>The Professional Animal Scientist</i> , 2017, 33, 160-165.	0.7	1
60	Effects of increasing inclusion of sodium hydroxide treatment on growth performance, carcass characteristics, and feeding behavior of steers fed 50% DDGS1. <i>Journal of Animal Science</i> , 2017, 95, 371-378.	0.5	1
61	92 Intra-nasal oxytocin treatment does not attenuate the hypothalamo-pituitary-adrenal axis in beef heifers subjected to isolation stress or restraint and isolation stress. <i>Journal of Animal Science</i> , 2019, 97, 53-54.	0.5	1
62	Ghrelin antagonist overrides the mRNA expression of NPY in hypothalamus in feed restricted ewes. <i>PLoS ONE</i> , 2020, 15, e0238465.	2.5	1
63	Technical note: fluorescein as an indicator of enteric mucosal barrier function in preruminant lambs. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	1
64	Ghrelin antagonist regulates metabolic hormone receptors in the hypothalamus of ewes. <i>Small Ruminant Research</i> , 2020, 185, 106091.	1.2	1
65	Ghrelin antagonist $\Delta^1\text{Lys}^3\text{GHRP}$ counteract ghrelin effects in bovine cumulus oocytes complexes matured in vitro. <i>Reproduction in Domestic Animals</i> , 2021, 56, 1235-1242.	1.4	1
66	Effects of increasing levels of soybean hulls in finishing diets of feedlot cattle fed free-choice hay on performance, roughage intake, and carcass characteristics. <i>Applied Animal Science</i> , 2021, 37, 525-532.	1.2	1
67	PSVII-13 Effect of polyunsaturated fatty acid and methionine supplementation during late gestation on offspring duodenal amino acid and peptides transporters in sheep. <i>Journal of Animal Science</i> , 2020, 98, 215-216.	0.5	1
68	Effect of Treadmill Training on Cardiac Size, Heart Rate and Muscle Mass in Healthy Dogs. <i>Journal of Veterinary Advances</i> , 2014, 4, 686.	0.1	1
69	Comparative sequence analysis and adipose-specific expression of GOS2 and ATGL in sheep. <i>Small Ruminant Research</i> , 2017, 153, 1-4.	1.2	0
70	338 Effect of eicosapentaenoic acid and docosahexaenoic acid supplementation on placenta and fetal liver mRNA, and fetal liver and brain fatty acids profile on early gestation in sheep. <i>Journal of Animal Science</i> , 2019, 97, 139-139.	0.5	0
71	79 Seeing the whole picture: Utilizing GPS technology to determine distance and time calves devote to walking post-weaning. <i>Journal of Animal Science</i> , 2019, 97, 43-44.	0.5	0
72	349 The use of low antioxidant mineral concentrations in the growing diet as a method to increase marbling deposition in feedlot cattle. <i>Journal of Animal Science</i> , 2019, 97, 141-142.	0.5	0

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73	339 Effect of DHA and EPA supplementation during the first third of gestation on growth, metabolism and gene expression in hypothalamus in finished lambs. Journal of Animal Science, 2019, 97, 139-140.	0.5	0
74	Effect of feeding dry-rolled corn or whole shelled corn during the finishing phase on growth performance and carcass characteristics. Translational Animal Science, 2021, 5, txaa228.	1.1	0
75	Short Communication: Effects of low antioxidant mineral concentrations in the growing diet on marbling deposition in feedlot cattle. Applied Animal Science, 2020, 36, 249-255.	1.2	0
76	Effect of protein source and nonroughage NDF content in finishing diets of feedlot cattle fed free-choice hay on growth performance and carcass characteristics. Translational Animal Science, 2021, 5, txab224.	1.1	0
77	Estradiol administration in Holstein heifer calves differentially affects the fatty acid composition of subcutaneous adipose and the mammary fat pad tissues. Journal of Dairy Research, 0, , 1-4.	1.4	0