

# Pietro Celi

## List of Publications by Year in descending order

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124  
papers

4,090  
citations

117453

34  
h-index

138251

58  
g-index

128  
all docs

128  
docs citations

128  
times ranked

4108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of dietary crude protein on fertility: Meta-analysis and meta-regression. <i>Animal Feed Science and Technology</i> , 2012, 171, 31-42.	1.1	280
2	Gastrointestinal functionality in animal nutrition and health: New opportunities for sustainable animal production. <i>Animal Feed Science and Technology</i> , 2017, 234, 88-100.	1.1	232
3	Biomarkers of oxidative stress in ruminant medicine. <i>Immunopharmacology and Immunotoxicology</i> , 2011, 33, 233-240.	1.1	226
4	Oxidant/Antioxidant Balance in Animal Nutrition and Health: The Role of Protein Oxidation. <i>Frontiers in Veterinary Science</i> , 2015, 2, 48.	0.9	142
5	Biomarkers of gastrointestinal functionality in animal nutrition and health. <i>Animal Feed Science and Technology</i> , 2019, 250, 9-31.	1.1	137
6	The role of oxidative stress in small ruminants' health and production. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 348-363.	0.3	136
7	Selenium and vitamin E together improve intestinal epithelial barrier function and alleviate oxidative stress in heat-stressed pigs. <i>Experimental Physiology</i> , 2016, 101, 801-810.	0.9	129
8	Dietary antioxidants at supranutritional doses improve oxidative status and reduce the negative effects of heat stress in sheep <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2014, 92, 3364-3374.	0.2	123
9	Invited review: Recommendations for reporting intervention studies on reproductive performance in dairy cattle: Improving design, analysis, and interpretation of research on reproduction. <i>Journal of Dairy Science</i> , 2016, 99, 1-17.	1.4	85
10	Antioxidant dynamics in the live animal and implications for ruminant health and product (meat/milk) quality: role of vitamin E and selenium. <i>Animal Production Science</i> , 2014, 54, 1525.	0.6	84
11	Effect of diet, energy balance and milk production on oxidative stress in early-lactating dairy cows grazing pasture. <i>Veterinary Journal</i> , 2010, 186, 352-357.	0.6	80
12	Effects of plane of nutrition on oxidative stress in goats during the peripartum period. <i>Veterinary Journal</i> , 2010, 184, 95-99.	0.6	74
13	The effect of hot season and nutrition on the oxidative status and metabolic profile in dairy goats during mid lactation. <i>Animal Science</i> , 2006, 82, 717-722.	1.3	69
14	Dietary antioxidants at supranutritional doses modulate skeletal muscle heat shock protein and inflammatory gene expression in sheep exposed to heat stress <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2014, 92, 4897-4908.	0.2	69
15	The stability of the reactive oxygen metabolites (d-ROMs) and biological antioxidant potential (BAP) tests on stored horse blood. <i>Veterinary Journal</i> , 2010, 183, 217-218.	0.6	67
16	Infrared technology for estrus detection and as a predictor of time of ovulation in dairy cows in a pasture-based system. <i>Theriogenology</i> , 2014, 81, 925-935.	0.9	67
17	Nutritional strategies in ruminants: A lifetime approach. <i>Research in Veterinary Science</i> , 2018, 116, 28-39.	0.9	62
18	Effects of prepartum dietary cation-anion difference and source of vitamin D in dairy cows: Vitamin D, mineral, and bone metabolism. <i>Journal of Dairy Science</i> , 2018, 101, 2519-2543.	1.4	59

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19	Immunological, clinical, haematological and oxidative responses to long distance transportation in horses. <i>Research in Veterinary Science</i> , 2017, 115, 78-87.	0.9	54
20	Effects of perinatal nutrition on lactational performance, metabolic and hormonal profiles of dairy goats and respective kids. <i>Small Ruminant Research</i> , 2008, 79, 129-136.	0.6	52
21	High dietary vitamin E and selenium improves feed intake and weight gain of finisher lambs and maintains redox homeostasis under hot conditions. <i>Small Ruminant Research</i> , 2016, 137, 17-23.	0.6	52
22	Effects of dietary fat on fertility of dairy cattle: A meta-analysis and meta-regression. <i>Journal of Dairy Science</i> , 2015, 98, 5601-5620.	1.4	51
23	Relationship between late embryonic mortality and the increase in plasma advanced oxidised protein products (AOPP) in dairy cows. <i>Reproduction, Fertility and Development</i> , 2011, 23, 527.	0.1	49
24	Nutritional strategies to alleviate heat stress in pigs. <i>Animal Production Science</i> , 2015, 55, 1391.	0.6	49
25	Metabolic profile and oxidative status in goats during the peripartum period. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 1004.	1.0	48
26	Assessment of oxidative stress biomarkers in exhaled breath condensate and blood of dairy heifer calves from birth to weaning. <i>Veterinary Journal</i> , 2014, 202, 583-587.	0.6	48
27	Ruminal bacterial community shifts in grain-, sugar-, and histidine-challenged dairy heifers. <i>Journal of Dairy Science</i> , 2014, 97, 5131-5150.	1.4	48
28	Effects of grain, fructose, and histidine on ruminal pH and fermentation products during an induced subacute acidosis protocol. <i>Journal of Dairy Science</i> , 2012, 95, 1971-1982.	1.4	47
29	Effects of partial mixed rations and supplement amounts on milk production and composition, ruminal fermentation, bacterial communities, and ruminal acidosis. <i>Journal of Dairy Science</i> , 2014, 97, 5763-5785.	1.4	47
30	Oxidative Stress in Ruminants. <i>Oxidative Stress in Applied Basic Research and Clinical Practice</i> , 2011, , 191-231.	0.4	42
31	Evaluation of infrared thermography body temperature and collar-mounted accelerometer and acoustic technology for predicting time of ovulation of cows in a pasture-based system. <i>Theriogenology</i> , 2015, 83, 739-748.	0.9	41
32	Behaviour during transportation predicts stress response and lower airway contamination in horses. <i>PLoS ONE</i> , 2018, 13, e0194272.	1.1	41
33	Health Problems and Risk Factors Associated with Long Haul Transport of Horses in Australia. <i>Animals</i> , 2015, 5, 1296-1310.	1.0	39
34	Relationship between oxidative stress and the success of artificial insemination in dairy cows in a pasture-based system. <i>Veterinary Journal</i> , 2012, 193, 498-502.	0.6	37
35	Effects of feed additives on rumen and blood profiles during a starch and fructose challenge. <i>Journal of Dairy Science</i> , 2014, 97, 985-1004.	1.4	34
36	Feeding supplemental 25-hydroxyvitamin D3 increases serum mineral concentrations and alters mammary immunity of lactating dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 805-822.	1.4	34

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37	Influencing the future: interactions of skeleton, energy, protein and calcium during late gestation and early lactation. <i>Animal Production Science</i> , 2014, 54, 1177.	0.6	33
38	Decrease in voluntary feed intake and pulsatile luteinizing hormone secretion after intracerebroventricular infusion of recombinant bovine leptin in mature male sheep. <i>Reproduction, Fertility and Development</i> , 2000, 12, 373.	0.1	32
39	High dietary selenium and vitamin E supplementation ameliorates the impacts of heat load on oxidative status and acid-base balance in sheep <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2015, 93, 3342-3354.	0.2	32
40	Effects of Yerba Mate ( <i>Ilex paraguariensis</i> ) supplementation on the productive performance of dairy cows during mid-lactation. <i>Animal Production Science</i> , 2010, 50, 339.	0.6	31
41	Effects of 3-nitrooxypropanol on enteric methane production, rumen fermentation, and feeding behavior in beef cattle fed a high-forage or high-grain diet <sup>1</sup> . <i>Journal of Animal Science</i> , 2019, 97, 2687-2699.	0.2	31
42	Effect of dietary 25-hydroxycholecalciferol supplementation and high stocking density on performance, egg quality, and tibia quality in laying hens. <i>Poultry Science</i> , 2020, 99, 2608-2615.	1.5	31
43	Effects of nutrition on the fertility of lactating dairy cattle. <i>Journal of Dairy Science</i> , 2018, 101, 5115-5133.	1.4	30
44	Epigallocatechin-3-gallate protected vanadium-induced eggshell depigmentation via P38MAPK-Nrf2/HO-1 signaling pathway in laying hens. <i>Poultry Science</i> , 2018, 97, 3109-3118.	1.5	30
45	Flow-sorted ram spermatozoa are highly susceptible to hydrogen peroxide damage but are protected by seminal plasma and catalase. <i>Reproduction, Fertility and Development</i> , 2010, 22, 1131.	0.1	29
46	Green tea polyphenol epigallocatechin-3-gallate improves the antioxidant capacity of eggs. <i>Food and Function</i> , 2020, 11, 534-543.	2.1	29
47	Survey of horse transportation in Australia: issues and practices. <i>Australian Veterinary Journal</i> , 2016, 94, 349-357.	0.5	28
48	The Effect of Oxidative Stress on the Chicken Ovary: Involvement of Microbiota and Melatonin Interventions. <i>Antioxidants</i> , 2021, 10, 1422.	2.2	28
49	Alteration of the Antioxidant Capacity and Gut Microbiota under High Levels of Molybdenum and Green Tea Polyphenols in Laying Hens. <i>Antioxidants</i> , 2019, 8, 503.	2.2	27
50	Assessment of oxidative stress biomarkers in exhaled breath condensate and blood of Thoroughbred foals. <i>Veterinary Journal</i> , 2013, 196, 269-271.	0.6	26
51	Systemic and respiratory oxidative stress in the pathogenesis and diagnosis of <i>Corynebacterium equi</i> pneumonia. <i>Equine Veterinary Journal</i> , 2013, 45, 20-25.	0.9	26
52	A Survey on Transport Management Practices Associated with Injuries and Health Problems in Horses. <i>PLoS ONE</i> , 2016, 11, e0162371.	1.1	26
53	Differential analysis of gut microbiota and the effect of dietary <i>Enterococcus faecium</i> supplementation in broiler breeders with high or low laying performance. <i>Poultry Science</i> , 2021, 100, 1109-1119.	1.5	26
54	Effect of benzoic acid on production performance, egg quality, intestinal morphology, and cecal microbial community of laying hens. <i>Poultry Science</i> , 2021, 100, 196-205.	1.5	24

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55	Effects of a short-term supranutritional selenium supplementation on redox balance, physiology and insulin-related metabolism in heat-stressed pigs. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 276-285.	1.0	23
56	The use of digital infrared thermography and measurement of oxidative stress biomarkers as tools to diagnose foot lesions in sheep. <i>Small Ruminant Research</i> , 2015, 127, 80-85.	0.6	21
57	Investigations Into Equine Transport-Related Problem Behaviors: Survey Results. <i>Journal of Equine Veterinary Science</i> , 2017, 48, 166-173.e2.	0.4	21
58	Effects of chromium supplementation on physiology, feed intake, and insulin related metabolism in growing pigs subjected to heat stress. <i>Translational Animal Science</i> , 2017, 1, 116-125.	0.4	21
59	Role of vitamins for gastro-intestinal functionality and health of pigs. <i>Animal Feed Science and Technology</i> , 2021, 273, 114823.	1.1	21
60	The impact of dietary supplementation of different feed additives on performances of broiler breeders characterized by different egg-laying rate. <i>Poultry Science</i> , 2019, 98, 6091-6099.	1.5	20
61	Effects of Yerba Mate ( <i>Ilex paraguariensis</i> ) supplementation on the performance of dairy calves. <i>Animal Production Science</i> , 2010, 50, 376.	0.6	18
62	Development and evaluation of online video teaching resources to enhance student knowledge of livestock handling. <i>Australian Veterinary Journal</i> , 2014, 92, 235-239.	0.5	17
63	Effects of organic selenium supplementation on growth performance, nutrient utilisation, oxidative stress and selenium tissue concentrations in broiler chickens. <i>Animal Production Science</i> , 2014, 54, 966.	0.6	17
64	Equine Transport and Changes in Equid Herpesvirus' Status. <i>Frontiers in Veterinary Science</i> , 2018, 5, 224.	0.9	17
65	Relationship between Protein Oxidation Biomarkers and Uterine Health in Dairy Cows during the Postpartum Period. <i>Antioxidants</i> , 2019, 8, 21.	2.2	17
66	Plasma oxidative stress biomarkers and progesterone profiles in a dairy cow diagnosed with an ovarian follicular cyst. <i>Veterinary Quarterly</i> , 2014, 34, 113-117.	3.0	16
67	Effect of pre-calving body condition score and previous lactation on BCS change, blood metabolites, oxidative stress and milk production in Holstein dairy cows. <i>Italian Journal of Animal Science</i> , 2017, 16, 474-483.	0.8	16
68	Risk factors in equine transport-related health problems: A survey of the Australian equine industry. <i>Equine Veterinary Journal</i> , 2017, 49, 507-511.	0.9	16
69	Role of oxidant-antioxidant balance in reproduction of domestic animals. <i>Animal Production Science</i> , 2017, 57, 1588.	0.6	15
70	The Effect of Yerba Mate ( <i>Ilex paraguarensis</i> ) Supplementation on the Productive Performance of Dorper Ewes and Their Progeny. <i>Asian-Australasian Journal of Animal Sciences</i> , 2012, 25, 945-949.	2.4	14
71	Exhaled breath condensate hydrogen peroxide concentration, a novel biomarker for assessment of oxidative stress in sheep during heat stress. <i>Animal Production Science</i> , 2016, 56, 1105.	0.6	14
72	Safety evaluation of dietary levels of 25-hydroxyvitamin D 3 in growing calves. <i>Food and Chemical Toxicology</i> , 2018, 111, 641-649.	1.8	14

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73	Relationships between blood hormonal concentrations and secondary fibre shedding in young cashmere-bearing goats at their first moult. <i>Animal Science</i> , 2003, 77, 371-381.	1.3	13
74	Yerba Mate ( <i>Ilex paraguarensis</i> ) as a novel feed supplement for growing lambs. <i>Small Ruminant Research</i> , 2012, 106, 131-136.	0.6	13
75	Changes in milk oxidative stress biomarkers in lactating dairy cows with ovulatory and an-ovulatory oestrous cycles. <i>Animal Reproduction Science</i> , 2015, 158, 86-95.	0.5	13
76	Precalving and early lactation factors that predict milk casein and fertility in the transition dairy cow. <i>Journal of Dairy Science</i> , 2016, 99, 7554-7567.	1.4	13
77	Associations between bone and energy metabolism in cows fed diets differing in level of dietary cation-anion difference and supplemented with cholecalciferol or calcidiol. <i>Journal of Dairy Science</i> , 2018, 101, 6581-6601.	1.4	13
78	The measurement of volatile organic compounds in faeces of piglets as a tool to assess gastrointestinal functionality. <i>Biosystems Engineering</i> , 2019, 184, 122-129.	1.9	13
79	Functionality and genomics of selenium and vitamin E supplementation in ruminants. <i>Animal Production Science</i> , 2016, 56, 1285.	0.6	12
80	Effects of Vitamin B2 Supplementation in Broilers Microbiota and Metabolome. <i>Microorganisms</i> , 2020, 8, 1134.	1.6	12
81	Changes in plasma oxidative stress biomarkers in dairy cows after oestrus synchronisation with controlled internal drug release (CIDR) and prostaglandinF2 $\pm$ (PGF2 $\pm$ ). <i>Animal Production Science</i> , 2014, 54, 1490.	0.6	12
82	Learning and Teaching Animal Handling at the University of Sydney's Faculty of Veterinary Science. <i>Journal of Veterinary Medical Education</i> , 2007, 34, 586-597.	0.4	10
83	Effects of grain, fructose, and histidine feeding on endotoxin and oxidative stress measures in dairy heifers. <i>Journal of Dairy Science</i> , 2013, 96, 7881-7891.	1.4	10
84	Comparison of goat, sheep, cattle and water buffalo leptin (LEP) genes and effects of the Intron 1 microsatellite polymorphism in goats. <i>Animal Production Science</i> , 2014, 54, 1258.	0.6	10
85	Association of polymorphisms in leptin and leptin receptor genes with circulating leptin concentrations, production and efficiency traits in sheep. <i>Small Ruminant Research</i> , 2016, 136, 78-86.	0.6	10
86	Metabolic and production responses to calcidiol treatment in mid-lactation dairy cows. <i>Animal Production Science</i> , 2019, 59, 449.	0.6	10
87	Antimicrobial activity of sophorolipids against <i>Eimeria maxima</i> and <i>Clostridium perfringens</i> , and their effect on growth performance and gut health in necrotic enteritis. <i>Poultry Science</i> , 2022, 101, 101731.	1.5	10
88	Resveratrol Alleviating the Ovarian Function Under Oxidative Stress by Alternating Microbiota Related Tryptophan-Kynurenine Pathway. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	10
89	Selenium supplementation increases wool growth and reduces faecal egg counts of Merino weaners in a selenium-deficient area. <i>Animal Production Science</i> , 2010, 50, 688.	0.6	9
90	Short-Term Eating Preference of Beef Cattle Fed High Forage or High Grain Diets Supplemented with 3-Nitrooxypropanol. <i>Animals</i> , 2020, 10, 64.	1.0	9

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91	Recent advances in the use of phytochemicals to manage gastrointestinal oxidative stress in poultry and pigs. <i>Animal Production Science</i> , 2021, , .	0.6	9
92	The Effect of Different Types of Physical Exercise on the Behavioural and Physiological Parameters of Standardbred Horses Housed in Single Stalls. <i>Veterinary Medicine International</i> , 2014, 2014, 1-8.	0.6	8
93	Dietary Supplementation of Yerba Mate ( <i>Ilex paraguariensis</i> ) during the Dry Period Improves Redox Balance in Lactating Dairy Cows. <i>Antioxidants</i> , 2019, 8, 38.	2.2	8
94	A short-term supranutritional vitamin E supplementation alleviated respiratory alkalosis but did not reduce oxidative stress in heat stressed pigs. <i>Asian-Australasian Journal of Animal Sciences</i> , 2018, 31, 263-269.	2.4	7
95	The effects of breed, neonatal age and pregnancy on the plasma copper status of goats in Oman. <i>Veterinary Research Communications</i> , 2003, 27, 219-229.	0.6	6
96	Twin efficiency for reproductive variables in monozygotic twin sheep. <i>Theriogenology</i> , 2007, 68, 663-672.	0.9	6
97	Relationship between plasma progesterone and pregnancy-associated glycoprotein concentrations during early pregnancy in dairy cows. <i>Veterinary Journal</i> , 2013, 195, 385-387.	0.6	6
98	Effects of Transportation on Redox Homeostasis and Tracheal Mucus. <i>Journal of Equine Veterinary Science</i> , 2017, 57, 71-76.	0.4	6
99	Characterization of the Intestinal Microbiota of Broiler Breeders With Different Egg Laying Rate. <i>Frontiers in Veterinary Science</i> , 2020, 7, 599337.	0.9	6
100	Effects of Perinatal Nutrition on Metabolic and Hormonal Profiles of Goat Kids ( <i>Capra hircus</i> ) during Their First Day of Life. <i>Asian-Australasian Journal of Animal Sciences</i> , 2008, 21, 1585-1591.	2.4	6
101	Factors affecting reproductive performance of dairy cows in a pasture-based, automatic milking system research farm: a retrospective, single-cohort study. <i>Animal Production Science</i> , 2015, 55, 31.	0.6	5
102	The influence of lactation on the quantity and quality of cashmere production. <i>Italian Journal of Animal Science</i> , 2002, 1, 79-86.	0.8	4
103	The influence of pregnancy and the beginning of lactation on pelage traits in cashmere goats. <i>Italian Journal of Animal Science</i> , 2005, 4, 85-95.	0.8	4
104	Involvement of P38 and ERK1/2 in mitochondrial pathways independent cell apoptosis in oviduct magnum epithelial cells of layers challenged with vanadium. <i>Environmental Toxicology</i> , 2018, 33, 1312-1320.	2.1	4
105	The Effect of Yerba Mate ( <i>Ilex Paraguariensis</i> ) Supplementation on Nutrient Degradability in Dairy Cows: An <i>In sacco</i> and <i>In vitro</i> Study. <i>Asian-Australasian Journal of Animal Sciences</i> , 2015, 28, 1606-1613.	2.4	4
106	Effects of dietary supplementation of pioglitazone or walnut meal on metabolic profiles and oxidative status in dairy cows with high pre-calving BCS. <i>Journal of Dairy Research</i> , 2018, 85, 16-22.	0.7	3
107	PREGNANCY, LAMBING AND SURVIVAL. , 0, , 223-258.		3
108	Effect of Food Deprivation on Blood Concentration of Metabolic Hormones in Merino Rams: The Role of Leptin. <i>Veterinary Research Communications</i> , 2003, 27, 219-220.	0.6	2



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109	Intracerebroventricular Infusion of Leptin into Mature Merino Rams of Different Metabolic Status: Effects on Blood Concentrations of Glucose and Reproductive and Metabolic Hormones. <i>Reproduction in Domestic Animals</i> , 2006, 41, 79-90.	0.6	2
110	Interactions between nutritional and opioidergic pathways in the control of LH secretion in male sheep. <i>Animal Reproduction Science</i> , 2010, 117, 67-73.	0.5	2
111	Enhancing Postgraduate Learning and Teaching: Postgraduate Summer School in Dairy Science. <i>Veterinary Medicine International</i> , 2014, 2014, 1-7.	0.6	2
112	Overview: Antioxidants: A "Higgs Boson" in Animal Health and Production. <i>Clinical Immunology, Endocrine and Metabolic Drugs</i> , 2015, 2, 6-7.	0.3	2
113	Rumination patterns, locomotion activity and milk yield for a dairy cow diagnosed with a left displaced abomasum. <i>New Zealand Veterinary Journal</i> , 2015, 63, 180-181.	0.4	2
114	Ruminal acidosis in a 21-month-old Holstein heifer. <i>Canadian Veterinary Journal</i> , 2014, 55, 559-64.	0.0	2
115	Effect of dietary sophorolipids on growth performance and gastrointestinal functionality of broiler chickens infected with <i>Eimeria maxima</i> . <i>Poultry Science</i> , 2022, 101, 101944.	1.5	2
116	1534 Effects of prepartum dietary cation-anion difference and source of vitamin D on dairy cows: Vitamin D, mineral, and bone metabolism. <i>Journal of Animal Science</i> , 2016, 94, 745-745.	0.2	1
117	0448 The growing importance of defining gut "health" in animal nutrition and health. <i>Journal of Animal Science</i> , 2016, 94, 214-214.	0.2	1
118	Effect of ruminal mechanical stimulating brushes on rumen fermentation and plasma oxidative stress and subsequent milk yield and composition in lactating dairy cattle. <i>Animal Production Science</i> , 2017, 57, 180.	0.6	1
119	The effect of heat stress on respiratory alkalosis, blood acid base balance and insulin sensitivity in cinnamon supplemented pigs. <i>Animal Production Science</i> , 2017, 57, 2415.	0.6	1
120	Skeletal health, redox balance and gastrointestinal functionality in dairy cows: connecting bugs and bones. <i>Journal of Dairy Research</i> , 2020, 87, 410-415.	0.7	1
121	1308 Effects of dietary fat on fertility of dairy cattle: a meta analysis and meta-regression. <i>Journal of Animal Science</i> , 2016, 94, 630-631.	0.2	0
122	Editorial: One Health: The Parameters of an Eco-Sustainable Farm. <i>Frontiers in Veterinary Science</i> , 2021, 8, 681288.	0.9	0
123	Vitamin E but not selenium alleviates heat stress compromised metabolism in growing pigs. <i>Animal Production Science</i> , 2015, 55, 1536.	0.6	0
124	0863 Pre-calving and early lactation factors that predict milk casein and fertility in the transition dairy cow. <i>Journal of Animal Science</i> , 2016, 94, 415-415.	0.2	0