

# Interactions between negative energy balance, metabolic immune response in transition dairy cows

Animal Reproduction Science

144, 60-71

DOI: [10.1016/j.anireprosci.2013.11.007](https://doi.org/10.1016/j.anireprosci.2013.11.007)

Citation Report

#	ARTICLE	IF	CITATIONS
1	TRANSCRIPTOMIC CHANGES IN RUMINAL TISSUE INDUCED BY THE PERIPARTURIENT TRANSITION IN DAIRY COWS. <i>American Journal of Animal and Veterinary Sciences</i> , 2014, 9, 36-45.	0.2	6
2	Use of dicarboxylic acids and polyphenols to attenuate reticular pH drop and acute phase response in dairy heifers fed a high grain diet. <i>BMC Veterinary Research</i> , 2014, 10, 277.	0.7	21
3	Scientific Opinion on the assessment of dairy cow welfare in small-scale farming systems. <i>EFSA Journal</i> , 2015, 13, 4137.	0.9	17
4	An Attempt to Prevent Production Diseases in Dairy and ad hoc Treatment Cows by Intense Monitoring. <i>Italian Journal of Animal Science</i> , 2015, 14, 3918.	0.8	1
5	Blood plasma lipidome profile of dairy cows during the transition period. <i>BMC Veterinary Research</i> , 2015, 11, 252.	0.7	40
6	Periparturient stress and immune suppression as a potential cause of retained placenta in highly productive dairy cows: examples of prevention. <i>Acta Veterinaria Scandinavica</i> , 2015, 57, 84.	0.5	50
7	Metabolic Disorders in the Transition Period Indicate that the Dairy Cows' Ability to Adapt is Overstressed. <i>Animals</i> , 2015, 5, 978-1020.	1.0	159
8	Effect of energy sources on the milk production and reproduction of lactating Holstein cows. <i>East African Agricultural and Forestry Journal</i> , 2015, 81, 95-104.	0.4	0
9	Inferring causal relationships between reproductive and metabolic health disorders and production traits in first-lactation US Holsteins using recursive models. <i>Journal of Dairy Science</i> , 2015, 98, 2713-2726.	1.4	12
10	Blood Metabolite Profiles in Cycling and Non-cycling Friesian and Sanga Crossbred Cows Grazing Natural Pasture During the Postpartum Period. <i>Reproduction in Domestic Animals</i> , 2015, 50, 304-311.	0.6	4
11	Effects of a 6-wk intraduodenal supplementation with quercetin on energy metabolism and indicators of liver damage in periparturient dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 4509-4520.	1.4	22
12	Relationships between milk fatty acids composition in early lactation and subsequent reproductive performance in Czech Fleckvieh cows. <i>Animal Reproduction Science</i> , 2015, 155, 75-79.	0.5	13
13	Effects of elevated parameters of subclinical ketosis on the immune system of dairy cows: in vivo and in vitro results. <i>Archives of Animal Nutrition</i> , 2015, 69, 113-127.	0.9	24
14	Transition Diseases in Grazing Dairy Cows Are Related to Serum Cholesterol and Other Analytes. <i>PLoS ONE</i> , 2015, 10, e0122317.	1.1	42
15	Nutrition, rumen health and inflammation in the transition period and their role on overall health and fertility in dairy cows. <i>Research in Veterinary Science</i> , 2015, 103, 126-136.	0.9	71
16	Periparturial changes in reticuloruminal pH and temperature in dairy cows differing in the susceptibility to subacute rumen acidosis. <i>Journal of Dairy Science</i> , 2015, 98, 8788-8799.	1.4	32
18	Transcriptomics of liver and muscle in Holstein cows genetically divergent for fertility highlight differences in nutrient partitioning and inflammation processes. <i>BMC Genomics</i> , 2016, 17, 603.	1.2	18
19	Effects of a six-week intraduodenal supplementation with quercetin on liver lipid metabolism and oxidative stress in periparturial dairy cows. <i>Journal of Animal Science</i> , 2016, 94, 1913-1923.	0.2	7

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20	Perfil s�rico proteico de vacas Holandesas no per�odo de transi�o. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2016, 68, 587-595.	0.1	2
21	Evaluation of blood metabolites in dairy cows grazing under two pasture allowances and supplemented with corn silage under restricted grazing conditions. Revista Brasileira De Zootecnia, 2016, 45, 686-692.	0.3	2
22	Fluctuation of neutrophil counts around parturition in Holstein dairy cows with and without retained placenta. Research in Veterinary Science, 2016, 107, 207-212.	0.9	16
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27	Early post parturient changes in milk acute phase proteins. Journal of Dairy Research, 2016, 83, 352-359.	0.7	10
28	NF-�B is involved in the LPS-mediated proliferation and apoptosis of MAC-T epithelial cells as part of the subacute ruminal acidosis response in cows. Biotechnology Letters, 2016, 38, 1839-1849.	1.1	29
29	The role of rumen-protected choline in hepatic function and performance of transition dairy cows. British Journal of Nutrition, 2016, 116, 35-44.	1.2	31
30	Effects of platelet-rich plasma in a model of bovine endometrial inflammation in vitro. Reproductive Biology and Endocrinology, 2016, 14, 58.	1.4	57
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33	Benchmarking dairy herd health status using routinely recorded herd summary data. Journal of Dairy Science, 2016, 99, 1298-1314.	1.4	6
34	Study on some risk factors and effects of bovine ketosis on dairy cows from the Galicia region (Spain). Journal of Animal Physiology and Animal Nutrition, 2017, 101, 835-845.	1.0	3
35	Effects of monensin and essential oils on immunological, haematological and biochemical parameters of cows during the transition period. Journal of Animal Physiology and Animal Nutrition, 2017, 101, 791-806.	1.0	24
36	Short communication: Glutamine modulates inflammatory responses to lipopolysaccharide in ex vivo bovine endometrium. Journal of Dairy Science, 2017, 100, 2207-2212.	1.4	24
37	Investigation of the effect of pegbovigrastim on some periparturient immune disorders and performance in Mexican dairy herds. Journal of Dairy Science, 2017, 100, 3305-3317.	1.4	46

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39	Re-direction of maternal behaviour in dairy cows. <i>Applied Animal Behaviour Science</i> , 2017, 195, 24-31.	0.8	12
40	Effects of dry period length and dietary energy source on inflammatory biomarkers and oxidative stress in dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 4961-4975.	1.4	19
41	Postpartum hormone and energy profiles and their influence on the resumption of ovarian cyclicity in Curraleiro Pardo-Duro cows. <i>Theriogenology</i> , 2017, 95, 133-140.	0.9	5
42	Short communication: Effects of an immunomodulatory feed additive on phagocytic capacity of neutrophils and relative gene expression in circulating white blood cells of transition Holstein cows. <i>Journal of Dairy Science</i> , 2017, 100, 7549-7555.	1.4	14
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47	Considering choline as methionine precursor, lipoproteins transporter, hepatic promoter and antioxidant agent in dairy cows. <i>AMB Express</i> , 2017, 7, 214.	1.4	15
48	Effect of utilization of a controlled-release intraruminal monensin device on drymatter intake, milk yield, and some reproductive parameters in dairy cows. <i>Turkish Journal of Veterinary and Animal Sciences</i> , 2017, 41, 621-626.	0.2	2
49	Association between postpartum blood levels of glucose and urea and fertility of cross-bred dairy cows in Sudan. <i>South African Journal of Animal Sciences</i> , 2017, 47, 595.	0.2	4
50	Metabolic and immunological changes in transition dairy cows: A review. <i>Veterinary World</i> , 2017, 10, 1367-1377.	0.7	123
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52	C-C motif chemokine ligand 2 induces proliferation and prevents lipopolysaccharide-induced inflammatory responses in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2018, 101, 4527-4541.	1.4	12
53	Behavioral changes before metritis diagnosis in dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 4388-4399.	1.4	49
54	Blood metabolite profile in Holstein-Friesian cows fed diets varying in dry matter and metabolizable energy density during early lactation. <i>Comparative Clinical Pathology</i> , 2018, 27, 1191-1197.	0.3	0
55	Interrelationships among plasma metabolites, production, and ovarian follicular function in dairy cows. <i>Canadian Journal of Animal Science</i> , 2018, 98, 631-641.	0.7	5

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57	Animal models to study the impact of nutrition on the immune system of the transition cow. <i>Research in Veterinary Science</i> , 2018, 116, 15-27.	0.9	20
58	The effects of energy concentration in roughage and allowance of concentrates on performance, health and energy efficiency of pluriparous dairy cows during early lactation. <i>Archives of Animal Nutrition</i> , 2018, 72, 100-120.	0.9	7
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60	Proteomics and the Characterization of Fatty Liver Metabolism in Early Lactation Dairy Cows. , 2018, , 219-231.		1
61	Energy balance in grazing Jersey cows in early lactation supplemented with peanut and sunflower oils. <i>Tropical Animal Health and Production</i> , 2018, 50, 1065-1070.	0.5	2
62	Influence of conjugated linoleic acids and vitamin E on biochemical, hematological, and immunological variables of dairy cows during the transition period. <i>Journal of Dairy Science</i> , 2018, 101, 1585-1600.	1.4	9
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65	Type I and type II cytokine production of CD4+ T-cells in immune response biased dairy cattle around calving. <i>Veterinary Immunology and Immunopathology</i> , 2018, 199, 70-76.	0.5	1
66	Symposium review: Mechanisms linking metabolic stress with innate immunity in the endometrium. <i>Journal of Dairy Science</i> , 2018, 101, 3655-3664.	1.4	25
67	Proteomics and metabolomics characterizing the pathophysiology of adaptive reactions to the metabolic challenges during the transition from late pregnancy to early lactation in dairy cows. <i>Journal of Proteomics</i> , 2018, 178, 92-106.	1.2	60
68	Genome-wide association study for ketosis in US Jerseys using producer-recorded data. <i>Journal of Dairy Science</i> , 2018, 101, 413-424.	1.4	33
69	Role of lipid mediators in the regulation of oxidative stress and inflammatory responses in dairy cattle. <i>Research in Veterinary Science</i> , 2018, 116, 4-14.	0.9	98
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71	A Holstein-Friesian dairy farm survey of postparturient factors influencing the days to first AI and days open in Hungary. <i>Acta Veterinaria Hungarica</i> , 2018, 66, 613-624.	0.2	4
72	A copy number variant scan in the autochthonous Valdostana Red Pied cattle breed and comparison with specialized dairy populations. <i>PLoS ONE</i> , 2018, 13, e0204669.	1.1	13
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75	Genetic analysis of subclinical mastitis in early lactation of heifers using both linear and threshold models. <i>Journal of Dairy Science</i> , 2018, 101, 11120-11131.	1.4	9
76	Relationships of nutritional plane and feed efficiency with sexual development and fertility related measures in young beef bulls. <i>Animal Reproduction Science</i> , 2018, 198, 99-111.	0.5	7
78	Effects of close-up body condition score and selenium-vitamin E injection on lactation performance, blood metabolites, and oxidative status in high-producing dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 10495-10504.	1.4	16
79	Experimental Analysis of Condensation Rate in Conductive Cooling Systems for Dairy Cattle. <i>Applied Engineering in Agriculture</i> , 2018, 34, 425-436.	0.3	0
80	Sanitation of <i>Staphylococcus aureus</i> genotype B-positive dairy herds: A field study. <i>Journal of Dairy Science</i> , 2018, 101, 6897-6914.	1.4	14
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82	Pre- and postpartum effects of starch and fat in dairy cows: A review. <i>South African Journal of Animal Sciences</i> , 2018, 48, 413.	0.2	4
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84	Relationship of vaginal discharge characteristics evaluated by Metricheck device to metabolic status in postpartum dairy cows. <i>Reproduction in Domestic Animals</i> , 2018, 53, 1396-1404.	0.6	6
85	Mineral supplementation stimulates the immune system and antioxidant responses of dairy cows and reduces somatic cell counts in milk. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 1649-1658.	0.3	8
86	Changes in biomarkers of nutrient metabolism, inflammation, and oxidative stress in dairy cows during the transition into the early dry period. <i>Journal of Dairy Science</i> , 2018, 101, 9350-9359.	1.4	77
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90	Potential of milk mid-IR spectra to predict metabolic status of cows through blood components and an innovative clustering approach. <i>Animal</i> , 2019, 13, 649-658.	1.3	48
91	Differential expression of endometrial toll-like receptors (TLRs) and antimicrobial peptides (AMPs) in the buffalo ( <i>Bubalus bubalis</i> ) with endometritis. <i>Veterinary Research Communications</i> , 2019, 43, 261-269.	0.6	6
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93	Revisiting Oxidative Stress and the Use of Organic Selenium in Dairy Cow Nutrition. <i>Animals</i> , 2019, 9, 462.	1.0	69
94	Genome-wide association analysis for $\hat{I}^2$ -hydroxybutyrate concentration in Milk in Holstein dairy cattle. <i>BMC Genetics</i> , 2019, 20, 58.	2.7	29
95	Characterization of circulating plasma proteins in dairy cows with cytological endometritis. <i>Journal of Proteomics</i> , 2019, 205, 103421.	1.2	12
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97	Sheep and goats raised in mixed flocks have diverse immune status around parturition. <i>Journal of Dairy Science</i> , 2019, 102, 8478-8485.	1.4	11
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100	Dairy cows fed a low energy diet before dry-off show signs of hunger despite ad libitum access. <i>Scientific Reports</i> , 2019, 9, 16159.	1.6	17
101	Rumen-protected methionine supplementation during the peripartal period alters the expression of galectin genes associated with inflammation in peripheral neutrophils and secretion in plasma of Holstein cows. <i>Journal of Dairy Research</i> , 2019, 86, 394-398.	0.7	3
102	Effect of Pegbovigrastim on Hematological Profile of Simmental Dairy Cows during the Transition Period. <i>Animals</i> , 2019, 9, 841.	1.0	8
103	Effects of supplementing a <i>Saccharomyces cerevisiae</i> fermentation product during the transition period on rumen fermentation of dairy cows fed fresh diets differing in starch content. <i>Journal of Dairy Science</i> , 2019, 102, 9943-9955.	1.4	9
104	Administration of an Immune Stimulant during the Transition Period Improved Lipid Metabolism and Rumination without Affecting Inflammatory Status. <i>Animals</i> , 2019, 9, 619.	1.0	7
105	Genetic selection for bovine chromosome 18 haplotypes associated with divergent somatic cell score affects postpartum reproductive and metabolic performance. <i>Journal of Dairy Science</i> , 2019, 102, 9983-9994.	1.4	30
106	Prospects for predictive modeling of transition cow diseases. <i>Animal Health Research Reviews</i> , 2019, 20, 19-30.	1.4	9
107	Prediction of blood metabolites from milk mid-infrared spectra in early-lactation cows. <i>Journal of Dairy Science</i> , 2019, 102, 11298-11307.	1.4	28
108	Proanthocyanidins Protect against $\hat{I}^2$ -Hydroxybutyrate-Induced Oxidative Damage in Bovine Endometrial Cells. <i>Molecules</i> , 2019, 24, 400.	1.7	18
109	Genome-wide association study identifies QTLs for displacement of abomasum in Chinese Holstein cattle1. <i>Journal of Animal Science</i> , 2019, 97, 1133-1142.	0.2	6
110	Effect of yeast products supplementation during transition period on metabolic profile and milk production in dairy cows. <i>Tropical Animal Health and Production</i> , 2019, 51, 2193-2201.	0.5	6

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111	Relationships among some serum enzymes, negative energy balance parameters, parity and postparturient clinical (endo)metritis in Holstein Friesian cows – Short communication. <i>Acta Veterinaria Hungarica</i> , 2019, 67, 241-245.	0.2	2
112	Cohort-level disease prediction using aggregate biomarker data measured at dry-off in transition dairy cattle: A proof-of-concept study. <i>Preventive Veterinary Medicine</i> , 2019, 169, 104701.	0.7	5
113	Sensor based eating time variables of dairy cows in the transition period related to the time to first service. <i>Preventive Veterinary Medicine</i> , 2019, 169, 104694.	0.7	10
114	Tibetan sheep are better able to cope with low energy intake than Small-tailed Han sheep due to lower maintenance energy requirements and higher nutrient digestibilities. <i>Animal Feed Science and Technology</i> , 2019, 254, 114200.	1.1	14
115	Immune status during postpartum, peri-implantation and early pregnancy in cattle: An updated view. <i>Animal Reproduction Science</i> , 2019, 206, 1-10.	0.5	24
116	BEEF SPECIES – RUMINANT NUTRITION CACTUS BEEF SYMPOSIUM: Energy and roughage levels in cattle receiving diets and impacts on health, performance, and immune responses <sup>1</sup> . <i>Journal of Animal Science</i> , 2019, 97, 3596-3604.	0.2	23
117	Hair Cortisol in Sheltered Cows and Its Association with Other Welfare Indicators. <i>Animals</i> , 2019, 9, 248.	1.0	13
118	Metabolic health, the metabolome and reproduction in female cattle: a review. <i>Italian Journal of Animal Science</i> , 2019, 18, 858-867.	0.8	12
119	Supplementation with fat-coated rumen-protected glucose during the transition period enhances milk production and influences blood biochemical parameters of liver function and inflammation in dairy cows. <i>Animal Feed Science and Technology</i> , 2019, 252, 92-102.	1.1	17
120	Plasma metabolite changes in dairy cows during parturition identified using untargeted metabolomics. <i>Journal of Dairy Science</i> , 2019, 102, 4639-4650.	1.4	57
121	Alterations in sick dairy cows – daily behavioural patterns. <i>Heliyon</i> , 2019, 5, e02902.	1.4	35
122	Reducing milking frequency from thrice to twice daily in early lactation improves the metabolic status of high-yielding dairy cows with only minor effects on yields. <i>Journal of Dairy Science</i> , 2019, 102, 9468-9480.	1.4	9
123	Lipid mobilization and serum metabolites dynamics of Sahiwal cows during the transition period. <i>Biological Rhythm Research</i> , 2021, 52, 1364-1371.	0.4	5
124	Herd health monitoring in dairy farms – discover metabolic diseases. An overview. <i>Tierärztliche Praxis Ausgabe G: Grosstiere - Nutztiere</i> , 2019, 47, 246-255.	0.2	8
125	Udder and teat conformational risk factors for elevated somatic cell count and clinical mastitis in New York Holsteins. <i>Preventive Veterinary Medicine</i> , 2019, 163, 7-13.	0.7	12
126	The Metritis Complex in Cattle. , 2019, , 408-433.		4
127	Effects of an immunomodulatory feed additive on body weight, production parameters, blood metabolites, and health in multiparous transition Holstein cows. <i>Animal Science Journal</i> , 2019, 90, 167-177.	0.6	4
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130	Endocrine and reproductive parameters in sick and healthy primiparous and multiparous dairy cows. <i>Theriogenology</i> , 2020, 141, 173-179.	0.9	3
131	Effects of feed restriction and supplementary folic acid and vitamin B12 on immune cell functions and blood cell populations in dairy cows. <i>Animal</i> , 2020, 14, 339-345.	1.3	13
132	Comparative iTRAQ Proteomics Reveals Multiple Effects of Selenium Yeast on Dairy Cows in Parturition. <i>Biological Trace Element Research</i> , 2020, 197, 464-474.	1.9	7
133	Do dietary and milking frequency changes during a gradual dry-off affect feed-related attention bias and visual lateralisation in dairy cows?. <i>Applied Animal Behaviour Science</i> , 2020, 223, 104923.	0.8	7
134	Identification of disordered metabolic networks in postpartum dairy cows with left displacement of the abomasum through integrated metabolomics and pathway analyses. <i>Journal of Veterinary Medical Science</i> , 2020, 82, 115-124.	0.3	6
135	Purulent vaginal discharge diagnosed in pasture-based Holstein-Friesian cows at 21 days postpartum is influenced by previous lactation milk yield and results in diminished fertility. <i>Journal of Dairy Science</i> , 2020, 103, 666-675.	1.4	8
136	The comparative effects of dietary monensin and propylene glycol on insulin resistance of transition dairy cows. <i>Tropical Animal Health and Production</i> , 2020, 52, 1573-1582.	0.5	5
137	Expert-based development of a generic HACCP-based risk management system to prevent critical negative energy balance in dairy herds. <i>Preventive Veterinary Medicine</i> , 2020, 175, 104849.	0.7	5
138	Diet starch concentration and starch fermentability affect markers of inflammatory response and oxidant status in dairy cows during the early postpartum period. <i>Journal of Dairy Science</i> , 2020, 103, 352-367.	1.4	9
139	Associations between postpartum fertility phenotypes and genetic traits in seasonal-calving, pasture-based lactating dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 1002-1015.	1.4	8
140	Acute phase proteins and markers of oxidative status in water buffalos during the transition from late pregnancy to early lactation. <i>Veterinary Immunology and Immunopathology</i> , 2020, 228, 110113.	0.5	5
141	Incidence and effects of subacute ruminal acidosis and subclinical ketosis with respect to postpartum anestrus in grazing dairy cows. <i>Heliyon</i> , 2020, 6, e03712.	1.4	10
142	Integrating RNA-Seq with GWAS reveals novel insights into the molecular mechanism underpinning ketosis in cattle. <i>BMC Genomics</i> , 2020, 21, 489.	1.2	24
143	Follicular Fluid Metabolite Changes in Dairy Cows with Inactive Ovary Identified Using Untargeted Metabolomics. <i>BioMed Research International</i> , 2020, 2020, 1-10.	0.9	11
144	Ovarian function and the establishment and maintenance of pregnancy in dairy cows with and without evidence of postpartum uterine disease. <i>Journal of Dairy Science</i> , 2020, 103, 10715-10727.	1.4	6
145	Effects of non-esterified fatty acids on relative abundance of prostaglandin E2 and F2 $\hat{I}$ $\pm$ synthesis-related mRNA transcripts and protein in endometrial cells of cattle in vitro. <i>Animal Reproduction Science</i> , 2020, 221, 106549.	0.5	5
146	Prepartum Fat Mobilization in Dairy Cows with Equal Body Condition and Its Impact on Health, Behavior, Milk Production and Fertility during Lactation. <i>Animals</i> , 2020, 10, 1478.	1.0	3

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147	Metabolic alterations in dairy cows with subclinical ketosis after treatment with carboxymethyl chitosan-loaded, reduced glutathione nanoparticles. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 2787-2799.	0.6	9
148	Traditional Chinese herbal medicine complex supplementation improves reproductive performance, serum biochemical parameters, and anti-oxidative capacity in periparturient dairy cows. <i>Animal Biotechnology</i> , 2022, 33, 647-656.	0.7	7
149	Effects of Propylene Glycol on Negative Energy Balance of Postpartum Dairy Cows. <i>Animals</i> , 2020, 10, 1526.	1.0	25
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