

Juan J Loor

List of Publications by Year in descending order

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476
papers

17,384
citations

17405

63
h-index

29081

104
g-index

486
all docs

486
docs citations

486
times ranked

9812
citing authors

#	ARTICLE	IF	CITATIONS
1	Î²-Hydroxybutyrate impairs neutrophil migration distance through activation of a protein kinase C and myosin light chain 2 signaling pathway in retotic cows. <i>Journal of Dairy Science</i> , 2022, 105, 761-771.	1.4	5
2	<i>Lycium barbarum</i> polysaccharides alleviate LPS-induced inflammatory responses through PPARÎ³/MAPK/NF-Î²B pathway in bovine mammary epithelial cells. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	12
3	Increased adipose tissue lipolysis in dairy cows with fatty liver is associated with enhanced autophagy activity. <i>Journal of Dairy Science</i> , 2022, 105, 1731-1742.	1.4	5
4	Free fatty acids promote degranulation of azurophil granules in neutrophils by inducing production of NADPH oxidase-derived reactive oxygen species in cows with subclinical ketosis. <i>Journal of Dairy Science</i> , 2022, 105, 2473-2486.	1.4	4
5	Dietary N-carbamylglutamate or L-arginine improves fetal intestinal amino acid profiles during intrauterine growth restriction in undernourished ewes. <i>Animal Nutrition</i> , 2022, 8, 341-349.	2.1	7
6	Effect of stage of lactation and dietary starch content on endocrine-metabolic status, blood amino acid concentrations, milk yield, and composition in Holstein dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 1131-1149.	1.4	4
7	Î²-Hydroxybutyrate impairs the release of bovine neutrophil extracellular traps through inhibiting phosphoinositide 3-kinase-mediated nicotinamide adenine dinucleotide phosphate oxidase reactive oxygen species production. <i>Journal of Dairy Science</i> , 2022, 105, 3405-3415.	1.4	5
8	Grape seed tannin extract and polyunsaturated fatty acids affect in vitro ruminal fermentation and methane production. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	6
9	Î²-Hydroxybutyrate inhibits apoptosis in bovine neutrophils through activating ERK1/2 and AKT signaling pathways. <i>Journal of Dairy Science</i> , 2022, 105, 3477-3489.	1.4	2
10	Role of ORAI calcium release-activated calcium modulator 1 (ORAI1) on neutrophil extracellular trap formation in dairy cows with subclinical hypocalcemia. <i>Journal of Dairy Science</i> , 2022, 105, 3394-3404.	1.4	5
11	Activation of Transcription Factor EB Is Associated With Adipose Tissue Lipolysis in Dairy Cows With Subclinical Ketosis. <i>Frontiers in Veterinary Science</i> , 2022, 9, 816064.	0.9	0
12	Insulin signaling and antioxidant proteins in adipose tissue explants from dairy cows challenged with hydrogen peroxide are altered by supplementation of arginine or arginine plus methionine. <i>Journal of Animal Science</i> , 2022, , .	0.2	1
13	Nutrigenomics in livestock: potential role in physiological regulation and practical applications. <i>Animal Production Science</i> , 2022, 62, 901-912.	0.6	4
14	Propionate alleviates fatty acid-induced mitochondrial dysfunction, oxidative stress, and apoptosis by upregulating PPARÎ³ coactivator 1 alpha in hepatocytes. <i>Journal of Dairy Science</i> , 2022, 105, 4581-4592.	1.4	11
15	Normal Light-Dark and Short-Light Cycles Regulate Intestinal Inflammation, Circulating Short-chain Fatty Acids and Gut Microbiota in Period2 Gene Knockout Mice. <i>Frontiers in Immunology</i> , 2022, 13, 848248.	2.2	14
16	Overactivation of hepatic mechanistic target of rapamycin kinase complex 1 (mTORC1) is associated with low transcriptional activity of transcription factor EB and lysosomal dysfunction in dairy cows with clinical ketosis. <i>Journal of Dairy Science</i> , 2022, 105, 4520-4533.	1.4	4
17	Circ003429 Regulates Unsaturated Fatty Acid Synthesis in the Dairy Goat Mammary Gland by Interacting with miR-199a-3p, Targeting the YAP1 Gene. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4068.	1.8	7
18	Association of residual feed intake with periparturum ruminal microbiome and milk fatty acid composition during early lactation in Holstein dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 4971-4986.	1.4	8

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19	Role of diacylglycerol O-acyltransferase (DGAT) isoforms in bovine hepatic fatty acid metabolism. <i>Journal of Dairy Science</i> , 2022, 105, 3588-3600.	1.4	10
20	A novel sub-pilot-scale direct-contact ultrasonic dehydration technology for sustainable production of distillers dried grains (DDG). <i>Ultrasonics Sonochemistry</i> , 2022, 85, 105982.	3.8	9
21	Inhibiting nuclear factor erythroid 2 related factor 2-mediated autophagy in bovine mammary epithelial cells induces oxidative stress in response to exogenous fatty acids. <i>Journal of Animal Science and Biotechnology</i> , 2022, 13, 48.	2.1	10
22	Role of sortilin 1 (SORT1) on lipid metabolism in bovine liver. <i>Journal of Dairy Science</i> , 2022, 105, 5420-5434.	1.4	1
23	Effects of the maternal gut microbiome and gut-placental axis on melatonin efficacy in alleviating cadmium-induced fetal growth restriction. <i>Ecotoxicology and Environmental Safety</i> , 2022, 237, 113550.	2.9	14
24	AMPK-ChREBP axis mediates de novo milk fatty acid synthesis promoted by glucose in the mammary gland of lactating goats. <i>Animal Nutrition</i> , 2022, 10, 234-242.	2.1	3
25	The Short-Day Cycle Induces Intestinal Epithelial Purine Metabolism Imbalance and Hepatic Disfunctions in Antibiotic-Mediated Gut Microbiota Perturbation Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6008.	1.8	3
26	Intracellular Ca ²⁺ Signaling and Calcium Release-Activated Calcium Modulator ORAI1 Are Associated With CD4 ⁺ T Lymphocytes in Dairy Cows. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	1
27	Impaired autophagy aggravates oxidative stress in mammary gland of dairy cows with clinical ketosis. <i>Journal of Dairy Science</i> , 2022, , .	1.4	6
28	Activated autophagy-lysosomal pathway in dairy cows with hyperketonemia is associated with lipolysis of adipose tissues. <i>Journal of Dairy Science</i> , 2022, 105, 6997-7010.	1.4	2
29	Latent Benefits and Toxicity Risks Transmission Chain of High Dietary Copper along the Livestock-Environment-Plant-Human Health Axis and Microbial Homeostasis: A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6943-6962.	2.4	15
30	Alterations in Skeletal Muscle mRNA Abundance in Response to Ethyl-Cellulose Rumen-Protected Methionine during the Periparturient Period in Dairy Cows. <i>Animals</i> , 2022, 12, 1641.	1.0	1
31	Targeting IRE1 α and PERK in the endoplasmic reticulum stress pathway attenuates fatty acid-induced insulin resistance in bovine hepatocytes. <i>Journal of Dairy Science</i> , 2022, 105, 6895-6908.	1.4	7
32	Low abundance of mitophagy markers is associated with reactive oxygen species overproduction in cows with fatty liver and causes reactive oxygen species overproduction and lipid accumulation in calf hepatocytes. <i>Journal of Dairy Science</i> , 2022, 105, 7829-7841.	1.4	6
33	CRISPR/Cas9-Induced Knockout of miR-24 Reduces Cholesterol and Monounsaturated Fatty Acid Content in Primary Goat Mammary Epithelial Cells. <i>Foods</i> , 2022, 11, 2012.	1.9	2
34	Oxidative stress, NF- κ B signaling, NLRP3 inflammasome, and caspase apoptotic pathways are activated in mammary gland of ketotic Holstein cows. <i>Journal of Dairy Science</i> , 2021, 104, 849-861.	1.4	17
35	Maternal body condition influences neonatal calf whole-blood innate immune molecular responses to ex vivo lipopolysaccharide challenge. <i>Journal of Dairy Science</i> , 2021, 104, 2266-2279.	1.4	9
36	The presence of an embryo affects day 14 uterine transcriptome depending on the nutritional status in sheep. b. Immune system and uterine remodeling. <i>Theriogenology</i> , 2021, 161, 210-218.	0.9	3

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37	Abundance of solute carrier family 27 member 6 (<i>SLC27A6</i>) in the bovine mammary gland alters fatty acid metabolism. <i>Food and Function</i> , 2021, 12, 4909-4920.	2.1	6
38	Alterations in immune and antioxidant gene networks by gamma-d-glutamyl-meso-diaminopimelic acid in bovine mammary epithelial cells are attenuated by in vitro supply of methionine and arginine. <i>Journal of Dairy Science</i> , 2021, 104, 776-785.	1.4	4
39	Aloin protects mice from diet-induced non-alcoholic steatohepatitis <i>via</i> activation of Nrf2/HO-1 signaling. <i>Food and Function</i> , 2021, 12, 696-705.	2.1	13
40	Multifaceted role of one-carbon metabolism on immunometabolic control and growth during pregnancy, lactation and the neonatal period in dairy cattle. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 27.	2.1	26
41	Arginine Alters miRNA Expression Involved in Development and Proliferation of Rat Mammary Tissue. <i>Animals</i> , 2021, 11, 535.	1.0	2
42	L-Arginine Alleviates Hydrogen Peroxide-Induced Oxidative Damage in Ovine Intestinal Epithelial Cells by Regulating Apoptosis, Mitochondrial Function, and Autophagy. <i>Journal of Nutrition</i> , 2021, 151, 1038-1046.	1.3	8
43	Short-Term Variations of C18:1 Trans Fatty Acids in Plasma Lipoproteins and Ruminal Fermentation Parameters of Non-Lactating Cows Subjected to Ruminal Pulses of Oils. <i>Animals</i> , 2021, 11, 788.	1.0	0
44	Metformin activated AMPK signaling contributes to the alleviation of LPS-induced inflammatory responses in bovine mammary epithelial cells. <i>BMC Veterinary Research</i> , 2021, 17, 97.	0.7	15
45	One-carbon, carnitine, and glutathione metabolism-related biomarkers in peripartal Holstein cows are altered by prepartal body condition. <i>Journal of Dairy Science</i> , 2021, 104, 3403-3417.	1.4	6
46	Transcription factor EB (TFEB)-mediated autophagy protects bovine mammary epithelial cells against H ₂ O ₂ -induced oxidative damage in vitro. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 35.	2.1	17
47	All-trans retinoic acid controls differentiation, proliferation, and lipolysis in isolated subcutaneous adipocytes from peripartal Holstein cows. <i>Journal of Dairy Science</i> , 2021, 104, 4999-5008.	1.4	10
48	Changes in nutrient balance, methane emissions, physiologic biomarkers and production performance in goats fed different forage-to-concentrate ratios during lactation. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	4
49	Unique adaptations in neonatal hepatic transcriptome, nutrient signaling, and one-carbon metabolism in response to feeding ethyl cellulose rumen-protected methionine during late-gestation in Holstein cows. <i>BMC Genomics</i> , 2021, 22, 280.	1.2	10
50	Maternal body condition during late-pregnancy is associated with in utero development and neonatal growth of Holstein calves. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 44.	2.1	9
51	Hepatic autophagy and mitophagy status in dairy cows with subclinical and clinical ketosis. <i>Journal of Dairy Science</i> , 2021, 104, 4847-4857.	1.4	14
52	Adenosine 5'-monophosphate-activated protein kinase ameliorates bovine adipocyte oxidative stress by inducing antioxidant responses and autophagy. <i>Journal of Dairy Science</i> , 2021, 104, 4516-4528.	1.4	14
53	Feeding a <i>Saccharomyces cerevisiae</i> fermentation product improves udder health and immune response to a <i>Streptococcus uberis</i> mastitis challenge in mid-lactation dairy cows. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 62.	2.1	17
54	Metformin acts to suppress β -hydroxybutyric acid-mediated inflammatory responses through activation of AMPK signaling in bovine hepatocytes. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	11

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55	Inhibition of cell death inducing DNA fragmentation factor- λ -like effector c (CIDEc) by tumor necrosis factor- α induces lipolysis and inflammation in calf adipocytes. <i>Journal of Dairy Science</i> , 2021, 104, 6134-6145.	1.4	7
56	Phosphatase and tensin homolog (PTEN) suppresses triacylglycerol accumulation and monounsaturated fatty acid synthesis in goat mammary epithelial cells. <i>Journal of Dairy Science</i> , 2021, 104, 7283-7294.	1.4	6
57	Enhanced mitochondrial dysfunction and oxidative stress in the mammary gland of cows with clinical ketosis. <i>Journal of Dairy Science</i> , 2021, 104, 6909-6918.	1.4	33
58	Intracellular Ca ²⁺ signaling and ORAI calcium release-activated calcium modulator 1 are associated with hepatic lipidosis in dairy cattle. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	5
59	Energy, nitrogen partitioning, and methane emissions in dairy goats differ when an isoenergetic and isoproteic diet contained orange leaves and rice straw crop residues. <i>Journal of Dairy Science</i> , 2021, 104, 7830-7844.	1.4	6
60	Partial substitution of fish oil for linseed oil enhances beneficial fatty acids from rumen biohydrogenation but reduces ruminal fermentation and digestibility in growing goats. <i>Translational Animal Science</i> , 2021, 5, txab116.	0.4	2
61	Methionine and Arginine Supply Alters Abundance of Amino Acid, Insulin Signaling, and Glutathione Metabolism-Related Proteins in Bovine Subcutaneous Adipose Explants Challenged with N-Acetyl-d-sphingosine. <i>Animals</i> , 2021, 11, 2114.	1.0	2
62	Propionate alleviates palmitic acid-induced endoplasmic reticulum stress by enhancing autophagy in calf hepatic cells. <i>Journal of Dairy Science</i> , 2021, 104, 9316-9326.	1.4	9
63	Disruption of endoplasmic reticulum homeostasis exacerbates liver injury in clinically ketotic cows. <i>Journal of Dairy Science</i> , 2021, 104, 9130-9141.	1.4	9
64	Biosorption of Copper in Swine Manure Using <i>Aspergillus</i> and Yeast: Characterization and Its Microbial Diversity Study. <i>Frontiers in Microbiology</i> , 2021, 12, 687533.	1.5	2
65	Maternal supplementation with cobalt sources, folic acid, and rumen-protected methionine and its effects on molecular and functional correlates of the immune system in neonatal Holstein calves. <i>Journal of Dairy Science</i> , 2021, 104, 9340-9354.	1.4	8
66	Sirtuin 1 is involved in oleic acid-induced calf hepatocyte steatosis via alterations in lipid metabolism-related proteins. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	0
67	Antioxidant networks and the microbiome as components of efficiency in dairy cattle. <i>Livestock Science</i> , 2021, 251, 104656.	0.6	4
68	Nuclear factor erythroid 2-related factor 2 protects bovine mammary epithelial cells against free fatty acid-induced mitochondrial dysfunction in vitro. <i>Journal of Dairy Science</i> , 2021, 104, 12830-12844.	1.4	5
69	Sirtuin 3 inhibits nuclear factor- κ B signaling activated by a fatty acid challenge in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2021, 104, 12871-12880.	1.4	7
70	Branched-Chain Amino Acid Supplementation Alters the Abundance of Mechanistic Target of Rapamycin and Insulin Signaling Proteins in Subcutaneous Adipose Explants from Lactating Holstein Cows. <i>Animals</i> , 2021, 11, 2714.	1.0	5
71	Reducing hepatic endoplasmic reticulum stress ameliorates the impairment in insulin signaling induced by high levels of β -hydroxybutyrate in bovine hepatocytes. <i>Journal of Dairy Science</i> , 2021, 104, 12845-12858.	1.4	8
72	Cadmium promotes apoptosis and inflammation via the circ08409/miR-133a/TGFB2 axis in bovine mammary epithelial cells and mouse mammary gland. <i>Ecotoxicology and Environmental Safety</i> , 2021, 222, 112477.	2.9	22

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73	Metabolomics and Proteomics Signatures in Feed-Efficient Beef and Dairy Cattle. <i>Sustainable Agriculture Reviews</i> , 2021, , 153-165.	0.6	2
74	Suitability of rumination time during the first week after calving for detecting metabolic status and lactation performance in simmental dairy cows: a cluster-analytic approach. <i>Italian Journal of Animal Science</i> , 2021, 20, 1909-1923.	0.8	4
75	Ruminal Microbes Exhibit a Robust Circadian Rhythm and Are Sensitive to Melatonin. <i>Frontiers in Nutrition</i> , 2021, 8, 760578.	1.6	10
76	Methionine supplementation during a hydrogen peroxide challenge alters components of insulin signaling and antioxidant proteins in subcutaneous adipose explants from dairy cows. <i>Journal of Dairy Science</i> , 2021, , .	1.4	1
77	Analysis of Cow-Calf Microbiome Transfer Routes and Microbiome Diversity in the Newborn Holstein Dairy Calf Hindgut. <i>Frontiers in Nutrition</i> , 2021, 8, 736270.	1.6	16
78	Free fatty acids impair autophagic activity and activate nuclear factor kappa B signaling and NLR family pyrin domain containing 3 inflammasome in calf hepatocytes. <i>Journal of Dairy Science</i> , 2021, 104, 11973-11982.	1.4	6
79	Progress on the Regulation of Ruminant Milk Fat by Noncoding RNAs and ceRNAs. <i>Frontiers in Genetics</i> , 2021, 12, 733925.	1.1	6
80	Alterations in Energy Partitioning and Methane Emissions in Murciano-Granadina Goats Fed Orange Leaves and Rice Straw as a Replacement for Beet Pulp and Barley Straw. <i>Animals</i> , 2021, 11, 38.	1.0	1
81	Network Pharmacology-Based Analysis of Pogostemon cablin (Blanco) Benth Beneficial Effects to Alleviate Nonalcoholic Fatty Liver Disease in Mice. <i>Frontiers in Pharmacology</i> , 2021, 12, 789430.	1.6	3
82	Circadian Gene PER2 Silencing Downregulates PPARC and SREBF1 and Suppresses Lipid Synthesis in Bovine Mammary Epithelial Cells. <i>Biology</i> , 2021, 10, 1226.	1.3	5
83	Effect of Natural Chinese Herbal Supplements (TCMF4) on Lactation Performance and Serum Biomarkers in Peripartur Dairy Cows. <i>Frontiers in Veterinary Science</i> , 2021, 8, 801418.	0.9	2
84	Effects of rumen-protected betaine supplementation on meat quality and the composition of fatty and amino acids in growing lambs. <i>Animal</i> , 2020, 14, 435-444.	1.3	20
85	Effects of intravenous arginine infusion on inflammation and metabolic indices of dairy cows in early lactation. <i>Animal</i> , 2020, 14, 346-352.	1.3	8
86	Evaluation of circulating leukocyte transcriptome and its relationship with immune function and blood markers in dairy cows during the transition period. <i>Functional and Integrative Genomics</i> , 2020, 20, 293-305.	1.4	20
87	Prepartum dietary energy intake alters adipose tissue transcriptome profiles during the periparturient period in Holstein dairy cows. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 1.	2.1	80
88	Hepatic one-carbon metabolism enzyme activities and intermediate metabolites are altered by prepartum body condition score and plane of nutrition in grazing Holstein dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 2662-2676.	1.4	7
89	Methionine and arginine supplementation alter inflammatory and oxidative stress responses during lipopolysaccharide challenge in bovine mammary epithelial cells in vitro. <i>Journal of Dairy Science</i> , 2020, 103, 676-689.	1.4	36
90	Feeding synthetic zeolite to transition dairy cows alters neutrophil gene expression. <i>Journal of Dairy Science</i> , 2020, 103, 723-736.	1.4	13

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91	Comprehensive Transcriptome Profiling of Dairy Goat Mammary Gland Identifies Genes and Networks Crucial for Lactation and Fatty Acid Metabolism. <i>Frontiers in Genetics</i> , 2020, 11, 878.	1.1	8
92	CircO9863 Regulates Unsaturated Fatty Acid Metabolism by Adsorbing miR-27a-3p in Bovine Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8589-8601.	2.4	20
93	Diet Composition Affects Liver and Mammary Tissue Transcriptome in Primiparous Holstein Dairy Cows. <i>Animals</i> , 2020, 10, 1191.	1.0	0
94	Knockout of butyrophilin subfamily 1 member A1 (BTN1A1) alters lipid droplet formation and phospholipid composition in bovine mammary epithelial cells. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 72.	2.1	19
95	Identification of Milk Fat Metabolism-Related Pathways of the Bovine Mammary Gland during Mid and Late Lactation and Functional Verification of the ACSL4 Gene. <i>Genes</i> , 2020, 11, 1357.	1.0	15
96	Potential hemo-biological identification markers to the left displaced abomasum in dairy cows. <i>BMC Veterinary Research</i> , 2020, 16, 470.	0.7	9
97	Potential of Mulberry Leaf Biomass and Its Flavonoids to Improve Production and Health in Ruminants: Mechanistic Insights and Prospects. <i>Animals</i> , 2020, 10, 2076.	1.0	35
98	Tea Tree Oil Prevents Mastitis-Associated Inflammation in Lipopolysaccharide-Stimulated Bovine Mammary Epithelial Cells. <i>Frontiers in Veterinary Science</i> , 2020, 7, 496.	0.9	12
99	Supplemental Herbal Choline Increases 5-hmC DNA on Whole Blood from Pregnant Ewes and Offspring. <i>Animals</i> , 2020, 10, 1277.	1.0	9
100	Lipid Accumulation and Injury in Primary Calf Hepatocytes Challenged With Different Long-Chain Fatty Acids. <i>Frontiers in Veterinary Science</i> , 2020, 7, 547047.	0.9	10
101	miR-122 regulates the JAK-STAT signalling pathway by down-regulating <i>EPO</i> in the mammary gland during <i>Streptococcus agalactiae</i> -induced mastitis. <i>Italian Journal of Animal Science</i> , 2020, 19, 1236-1243.	0.8	2
102	cAMP Response Element Binding Protein 1 (CREB1) Promotes Monounsaturated Fatty Acid Synthesis and Triacylglycerol Accumulation in Goat Mammary Epithelial Cells. <i>Animals</i> , 2020, 10, 1871.	1.0	12
103	Effects of dietary polyunsaturated fatty acid sources on expression of lipid-related genes in bovine milk somatic cells. <i>Scientific Reports</i> , 2020, 10, 14850.	1.6	10
104	Amino acids and the regulation of oxidative stress and immune function in dairy cattle. <i>Journal of Animal Science</i> , 2020, 98, S175-S193.	0.2	45
105	ÎŸ-Arginine Inhibits Apoptosis of Ovine Intestinal Epithelial Cells through the ÎŸ-Arginineâ€“Nitric Oxide Pathway. <i>Journal of Nutrition</i> , 2020, 150, 2051-2060.	1.3	8
106	<i>miR-497</i> regulates fatty acid synthesis <i>via</i> LATS2 in bovine mammary epithelial cells. <i>Food and Function</i> , 2020, 11, 8625-8636.	2.1	18
107	186 Young Scholar Presentation: Immunometabolism during periods of negative nutrient balance or heat stress is altered by dietary methyl donor supply in dairy cows. <i>Journal of Animal Science</i> , 2020, 98, 13-14.	0.2	0
108	Molecular networks of insulin signaling and amino acid metabolism in subcutaneous adipose tissue are altered by body condition in periparturient Holstein cows. <i>Journal of Dairy Science</i> , 2020, 103, 10459-10476.	1.4	7

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109	Arginine Supply Impacts the Expression of Candidate microRNA Controlling Milk Casein Yield in Bovine Mammary Tissue. <i>Animals</i> , 2020, 10, 797.	1.0	7
110	Development of a dynamic energy-partitioning model for enteric methane emissions and milk production in goats using energy balance data from indirect calorimetry studies. <i>Animal</i> , 2020, 14, s382-s395.	1.3	1
111	Fatty acid transport in plasma from cows treated with ruminal pulses of fish oil and partially hydrogenated vegetable oil. <i>Livestock Science</i> , 2020, 236, 104018.	0.6	1
112	Short communication: Enhanced autophagy activity in liver tissue of dairy cows with mild fatty liver. <i>Journal of Dairy Science</i> , 2020, 103, 3628-3635.	1.4	10
113	Mammary Transcriptome Profile during Peak and Late Lactation Reveals Differentially Expression Genes Related to Inflammation and Immunity in Chinese Holstein. <i>Animals</i> , 2020, 10, 510.	1.0	9
114	Inclusion of lemon leaves and rice straw into compound feed and its effect on nutrient balance, milk yield, and methane emissions in dairy goats. <i>Journal of Dairy Science</i> , 2020, 103, 6178-6189.	1.4	8
115	Growth, Development and Involution. , 2020, , 175-175.		0
116	Short communication: A decrease in diameter of milk fat globules accompanies milk fat depression induced by conjugated linoleic acid supplementation in lactating dairy cows. <i>Journal of Dairy Science</i> , 2020, 103, 5143-5147.	1.4	9
117	Role of peroxisome proliferator-activated receptor- α on the synthesis of monounsaturated fatty acids in goat mammary epithelial cells. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	7
118	Effects of Dietary Vegetable Oils on Mammary Lipid-Related Genes in Holstein Dairy Cows. <i>Animals</i> , 2020, 10, 57.	1.0	5
119	Effect of Soybean Oil and Fish Oil on Lipid-Related Transcripts in Subcutaneous Adipose Tissue of Dairy Cows. <i>Animals</i> , 2020, 10, 54.	1.0	6
120	Determination of the trace minerals requirements for maintenance and growth of 35–50 kg Dorper-Hu crossbred ram lambs. <i>Italian Journal of Animal Science</i> , 2020, 19, 203-212.	0.8	1
121	Supply of methionine and arginine alters phosphorylation of mechanistic target of rapamycin (mTOR), circadian clock proteins, and α -s1-casein abundance in bovine mammary epithelial cells. <i>Food and Function</i> , 2020, 11, 883-894.	2.1	27
122	Residual feed intake divergence during the preweaning period is associated with unique hindgut microbiome and metabolome profiles in neonatal Holstein heifer calves. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 13.	2.1	41
123	Lipidomic profiling analysis of the phospholipid molecules in SCAP-induced lipid droplet formation in bovine mammary epithelial cells. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 149, 106420.	1.0	5
124	The embryo affects day 14 uterine transcriptome depending on nutritional status in sheep. a. Metabolic adaptation to pregnancy in nourished and undernourished ewes. <i>Theriogenology</i> , 2020, 146, 14-19.	0.9	3
125	Cyanidin-3-O-glucoside improves non-alcoholic fatty liver disease by promoting PINK1-mediated mitophagy in mice. <i>British Journal of Pharmacology</i> , 2020, 177, 3591-3607.	2.7	68
126	Dietary supplementation of l-arginine and N-carbamylglutamate enhances duodenal barrier and mitochondrial functions and suppresses duodenal inflammation and mitophagy in suckling lambs suffering from intrauterine-growth-restriction. <i>Food and Function</i> , 2020, 11, 4456-4470.	2.1	10

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127	<i>N</i> -Carbamylglutamate and <i>l</i> -arginine supplementation improve hepatic antioxidant status in intrauterine growth-retarded suckling lambs. <i>RSC Advances</i> , 2020, 10, 11173-11181.	1.7	7
128	High levels of fatty acids inhibit β -casein synthesis through suppression of the JAK2/STAT5 and mTOR signaling pathways in mammary epithelial cells of cows with clinical ketosis. <i>Journal of Dairy Research</i> , 2020, 87, 212-219.	0.7	6
129	Pegbovigrastim Treatment around Parturition Enhances Postpartum Immune Response Gene Network Expression of whole Blood Leukocytes in Holstein and Simmental Cows. <i>Animals</i> , 2020, 10, 621.	1.0	10
130	Short communication: Inflammation, migration, and cell-cell interaction-related gene network expression in leukocytes is enhanced in Simmental compared with Holstein dairy cows after calving. <i>Journal of Dairy Science</i> , 2020, 103, 1908-1913.	1.4	11
131	Orai calcium release-activated calcium modulator 1 (ORAI1) plays a role in endoplasmic reticulum stress in bovine mammary epithelial cells challenged with physiological levels of ketone bodies. <i>Journal of Dairy Science</i> , 2020, 103, 4691-4701.	1.4	17
132	Body condition alters glutathione and nuclear factor erythroid 2-like 2 (NFE2L2)-related antioxidant network abundance in subcutaneous adipose tissue of periparturient Holstein cows. <i>Journal of Dairy Science</i> , 2020, 103, 6439-6453.	1.4	15
133	Short communication: The antilipogenic effect of trans-10,cis-12 conjugated linoleic acid in bovine mammary epithelial cells is associated with proteasome activity and ATP production. <i>Journal of Dairy Science</i> , 2020, 103, 9096-9101.	1.4	3
134	Sodium butyrate reduces bovine mammary epithelial cell inflammatory responses induced by exogenous lipopolysaccharide, by inactivating NF- κ B signaling. <i>Journal of Dairy Science</i> , 2020, 103, 8388-8397.	1.4	30
135	Negative regulation of β S1-casein (CSN1S1) improves β -casein content and reduces allergy potential in goat milk. <i>Journal of Dairy Science</i> , 2020, 103, 9561-9572.	1.4	14
136	Methyl donor supply to heat stress-challenged polymorphonuclear leukocytes from lactating Holstein cows enhances 1-carbon metabolism, immune response, and cytoprotective gene network abundance. <i>Journal of Dairy Science</i> , 2020, 103, 10477-10493.	1.4	7
137	Mitochondrial dysfunction and endoplasmic reticulum stress in calf hepatocytes are associated with fatty acid-induced ORAI calcium release-activated calcium modulator 1 signaling. <i>Journal of Dairy Science</i> , 2020, 103, 11945-11956.	1.4	21
138	Ruminal epithelial cell proliferation and short-chain fatty acid transporters in vitro are associated with abundance of period circadian regulator 2 (PER2). <i>Journal of Dairy Science</i> , 2020, 103, 12091-12103.	1.4	7
139	Cardamonin Reduces Acetaminophen-Induced Acute Liver Injury in Mice via Activating Autophagy and NFE2L2 Signaling. <i>Frontiers in Pharmacology</i> , 2020, 11, 601716.	1.6	18
140	SUPPLEMENTAL METHIONINE, CHOLINE, OR TAURINE AFFECT GALECTIN GENE EXPRESSION IN ADULT HOLSTEIN COW AND NEONATAL HOLSTEIN CALF NEUTROPHILS IN VITRO. <i>Journal of Microbiology, Biotechnology and Food Sciences</i> , 2020, 10, 87-92.	0.4	0
141	Association of UDP-galactose-4-epimerase with milk protein concentration in the Chinese Holstein population. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1725-1731.	2.4	2
142	338 Awardee Talk: Superior feed efficiency and maternal supply of methionine are associated with unique gut microbiome in beef and dairy cattle. <i>Journal of Animal Science</i> , 2020, 98, 70-71.	0.2	0
143	Nutrition as a way to improve the dairy industry sustainability: a nutrigenomic approach. <i>Journal of Animal Science</i> , 2019, 97, 29-30.	0.2	1
144	Immunometabolic status and productive performance differences between periparturient Simmental and Holstein dairy cows in response to pegbovigrastim. <i>Journal of Dairy Science</i> , 2019, 102, 9312-9327.	1.4	28

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145	Effects of ORAI calcium release-activated calcium modulator 1 (ORAI1) on neutrophil activity in dairy cows with subclinical hypocalcemia ¹ . <i>Journal of Animal Science</i> , 2019, 97, 3326-3336.	0.2	30
146	Choline supply during negative nutrient balance alters hepatic cystathionine β -synthase, intermediates of the methionine cycle and transsulfuration pathway, and liver function in Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 8319-8331.	1.4	19
147	In vitro methionine supplementation during lipopolysaccharide stimulation modulates immunometabolic gene network expression in isolated polymorphonuclear cells from lactating Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 8343-8351.	1.4	14
148	Low abundance of mitofusin 2 in dairy cows with moderate fatty liver is associated with alterations in hepatic lipid metabolism. <i>Journal of Dairy Science</i> , 2019, 102, 7536-7547.	1.4	17
149	Transcriptomic analysis of circulating neutrophils in metabolically stressed periparturient dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 7408-7420.	1.4	13
150	Fatty Acid Elongase 7 (ELOVL7) Plays a Role in the Synthesis of Long-Chain Unsaturated Fatty Acids in Goat Mammary Epithelial Cells. <i>Animals</i> , 2019, 9, 389.	1.0	17
151	Hepatic nuclear factor kappa B signaling pathway and NLR family pyrin domain containing 3 inflammasome is over-activated in ketotic dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 10554-10563.	1.4	34
152	Supply of Methionine During Late-Pregnancy Alters Fecal Microbiota and Metabolome in Neonatal Dairy Calves Without Changes in Daily Feed Intake. <i>Frontiers in Microbiology</i> , 2019, 10, 2159.	1.5	38
153	<i>N</i> -carbamylglutamate and <i>scp</i> -arginine promote intestinal function in suckling lambs with intrauterine growth restriction by regulating antioxidant capacity <i>via</i> a nitric oxide-dependent pathway. <i>Food and Function</i> , 2019, 10, 6374-6384.	2.1	12
154	Short communication: Relationship between lysine/methionine ratios and glucose levels and their effects on casein synthesis via activation of the mechanistic target of rapamycin signaling pathway in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2019, 102, 8127-8133.	1.4	13
155	Rumen-protected methionine supplementation during the periparturient 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
156	Screening candidate microR-15a- <i>IRAK2</i> regulatory pairs for predicting the response to <i>Staphylococcus aureus</i> -induced mastitis in dairy cows. <i>Journal of Dairy Research</i> , 2019, 86, 425-431.	0.7	31
157	Inflammation and oxidative stress transcription profiles due to in vitro supply of methionine with or without choline in unstimulated blood polymorphonuclear leukocytes from lactating Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 10395-10410.	1.4	18
158	Short communication: Supply of methionine during late pregnancy enhances whole-blood innate immune response of Holstein calves partly through changes in mRNA abundance in polymorphonuclear leukocytes. <i>Journal of Dairy Science</i> , 2019, 102, 10599-10605.	1.4	14
159	Hepatic 1-carbon metabolism enzyme activity, intermediate metabolites, and growth in neonatal Holstein dairy calves are altered by maternal supply of methionine during late pregnancy. <i>Journal of Dairy Science</i> , 2019, 102, 10291-10303.	1.4	24
160	Transcriptome Analysis of the Effects of Fasting Caecotrophy on Hepatic Lipid Metabolism in New Zealand Rabbits. <i>Animals</i> , 2019, 9, 648.	1.0	10
161	Chinese Herbal Formula (CHF03) Attenuates Non-Alcoholic Fatty Liver Disease (NAFLD) Through Inhibiting Lipogenesis and Anti-Oxidation Mechanisms. <i>Frontiers in Pharmacology</i> , 2019, 10, 1190.	1.6	10
162	Long-Term Effects of Dietary Olive Oil and Hydrogenated Vegetable Oil on Expression of Lipogenic Genes in Subcutaneous Adipose Tissue of Dairy Cows. <i>Veterinary Sciences</i> , 2019, 6, 74.	0.6	4

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163	Hepatic betaine-homocysteine methyltransferase and methionine synthase activity and intermediates of the methionine cycle are altered by choline supply during negative energy balance in Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 8305-8318.	1.4	23
164	Monensin controlled-release capsule administered in late-pregnancy differentially affects rumination patterns, metabolic status, and cheese-making properties of the milk in primiparous and multiparous cows. <i>Italian Journal of Animal Science</i> , 2019, 18, 1271-1283.	0.8	8
165	52 Young Scholar Presentation: Maternal supply of methionine during late-pregnancy alters in utero and neonatal development, hepatic one-carbon metabolism, and innate immune response in Holstein calves. <i>Journal of Animal Science</i> , 2019, 97, 26-27.	0.2	0
166	L-Arginine protects ovine intestinal epithelial cells from lipopolysaccharide-induced intestinal barrier injury. <i>Food and Agricultural Immunology</i> , 2019, 30, 1067-1084.	0.7	8
167	MiR-16a Regulates Milk Fat Metabolism by Targeting Large Tumor Suppressor Kinase 1 (<i>LATS1</i>) in Bovine Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 11167-11178.	2.4	39
168	Jugular arginine supplementation increases lactation performance and nitrogen utilization efficiency in lactating dairy cows. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 3.	2.1	18
169	Dietary Egg Protein Prevents Hyperhomocysteinemia via Upregulation of Hepatic Betaine-Homocysteine S-Methyltransferase Activity in Folate-Restricted Rats. <i>Journal of Nutrition</i> , 2019, 149, 1369-1376.	1.3	4
170	Nutrigenomic Effect of Saturated and Unsaturated Long Chain Fatty Acids on Lipid-Related Genes in Goat Mammary Epithelial Cells: What Is the Role of PPAR α ?. <i>Veterinary Sciences</i> , 2019, 6, 54.	0.6	16
171	Influence of the concentration of dietary digestible calcium on growth performance, bone mineralization, plasma calcium, and abundance of genes involved in intestinal absorption of calcium in pigs from 11 to 22%kg fed diets with different concentrations of digestible phosphorus. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 47.	2.1	39
172	Cellular Mechanisms and Epigenetic Changes. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2019, 35, 249-263.	0.5	11
173	Fatty acid-induced endoplasmic reticulum stress promoted lipid accumulation in calf hepatocytes, and endoplasmic reticulum stress existed in the liver of severe fatty liver cows. <i>Journal of Dairy Science</i> , 2019, 102, 7359-7370.	1.4	49
174	Adipose tissue proteomic analysis in ketotic or healthy Holstein cows in early lactation. <i>Journal of Animal Science</i> , 2019, 97, 2837-2849.	0.2	28
175	N-Carbamylglutamate and L-Arginine Promote Intestinal Absorption of Amino Acids by Regulating the mTOR Signaling Pathway and Amino Acid and Peptide Transporters in Suckling Lambs with Intrauterine Growth Restriction. <i>Journal of Nutrition</i> , 2019, 149, 923-932.	1.3	13
176	MicroRNA-106b Regulates Milk Fat Metabolism via ATP Binding Cassette Subfamily A Member 1 (<i>ABCA1</i>) in Bovine Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 3981-3990.	2.4	51
177	Phosphorylation of AKT serine/threonine kinase and abundance of milk protein synthesis gene networks in mammary tissue in response to supply of methionine in periparturient Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 4264-4274.	1.4	21
178	Methionine supply during the periparturient period enhances insulin signaling, amino acid transporters, and mechanistic target of rapamycin pathway proteins in adipose tissue of Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 4403-4414.	1.4	25
179	Effect of heat-shock protein B7 on oxidative stress in adipocytes from preruminant calves. <i>Journal of Dairy Science</i> , 2019, 102, 5673-5685.	1.4	20
180	Glutathione metabolism and nuclear factor erythroid 2-like 2 (NFE2L2)-related proteins in adipose tissue are altered by supply of ethyl-cellulose rumen-protected methionine in periparturient Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 5530-5541.	1.4	17

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181	Repeated pregnant mare serum gonadotropin-mediated oestrous synchronization alters gene expression in the ovaries and reduces reproductive performance in dairy goats. <i>Reproduction in Domestic Animals</i> , 2019, 54, 873-881.	0.6	11
182	Methionine Supply During Late-Gestation Triggers Offspring Sex-Specific Divergent Changes in Metabolic and Epigenetic Signatures in Bovine Placenta. <i>Journal of Nutrition</i> , 2019, 149, 6-17.	1.3	30
183	Effects of arginase inhibition via jugular infusion of N ^ω -hydroxy-nor-l-arginine on metabolic and immune indices in lactating dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 3310-3320.	1.4	3
184	RAPID COMMUNICATION: Residual feed intake in beef cattle is associated with differences in protein turnover and nutrient transporters in ruminal epithelium. <i>Journal of Animal Science</i> , 2019, 97, 2181-2187.	0.2	21
185	Dietary N-carbamylglutamate and l-arginine supplementation improves intestinal energy status in intrauterine-growth-retarded suckling lambs. <i>Food and Function</i> , 2019, 10, 1903-1914.	2.1	21
186	Hepatic metabolomics and transcriptomics to study susceptibility to ketosis in response to prepartal nutritional management. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 96.	2.1	35
187	Tea polyphenols protect bovine mammary epithelial cells from hydrogen peroxide-induced oxidative damage in vitro by activating NFE2L2/HMOX1 pathways. <i>Journal of Dairy Science</i> , 2019, 102, 1658-1670.	1.4	28
188	Insulin-induced gene 1 and 2 isoforms synergistically regulate triacylglycerol accumulation, lipid droplet formation, and lipogenic gene expression in goat mammary epithelial cells. <i>Journal of Dairy Science</i> , 2019, 102, 1736-1746.	1.4	20
189	Perilipin 5 promotes hepatic steatosis in dairy cows through increasing lipid synthesis and decreasing very low density lipoprotein assembly. <i>Journal of Dairy Science</i> , 2019, 102, 833-845.	1.4	19
190	Far-off and close-up feeding levels affect immunological performance in grazing dairy cows during the transition period. <i>Journal of Animal Science</i> , 2019, 97, 192-207.	0.2	4
191	Enhanced supply of methionine or arginine alters mechanistic target of rapamycin signaling proteins, messenger RNA, and microRNA abundance in heat-stressed bovine mammary epithelial cells in vitro. <i>Journal of Dairy Science</i> , 2019, 102, 2469-2480.	1.4	44
192	Regulation of Stearoyl-Coenzyme A Desaturase 1 by trans-10, cis-12 Conjugated Linoleic Acid via SREBP1 in Primary Goat Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1463-1469.	2.4	7
193	High expression of cell death-inducing DFFA-like effector a (CIDEA) promotes milk fat content in dairy cows with clinical ketosis. <i>Journal of Dairy Science</i> , 2019, 102, 1682-1692.	1.4	29
194	Tilmicosin modulates the innate immune response and preserves casein production in bovine mammary alveolar cells during <i>Staphylococcus aureus</i> infection. <i>Journal of Animal Science</i> , 2019, 97, 644-656.	0.2	6
195	Effect of different exogenous fatty acids on the cytosolic triacylglycerol content in bovine mammary cells. <i>Animal Nutrition</i> , 2019, 5, 202-208.	2.1	10
196	Hepatic Cystathionine β -Synthase Activity Is Increased by Greater Postprandial Supply of Met during the Periparturient Period in Dairy Cows. <i>Current Developments in Nutrition</i> , 2019, 3, nzz128.	0.1	9
197	Fatty acid elongase 5 (ELOVL5) alters the synthesis of long-chain unsaturated fatty acids in goat mammary epithelial cells. <i>Journal of Dairy Science</i> , 2018, 101, 4586-4594.	1.4	14
198	Phosphorylation of nuclear factor erythroid 2-like 2 (NFE2L2) in mammary tissue of Holstein cows during the periparturient period is associated with mRNA abundance of antioxidant gene networks. <i>Journal of Dairy Science</i> , 2018, 101, 6511-6522.	1.4	16

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199	Nuclear factor erythroid 2-related factor 2-antioxidant activation through the action of ataxia telangiectasia-mutated serine/threonine kinase is essential to counteract oxidative stress in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2018, 101, 5317-5328.	1.4	18
200	Serotonin induces parathyroid hormone-related protein in goat mammary gland. <i>Journal of Animal Science</i> , 2018, 96, 1010-1016.	0.2	8
201	Inhibition of arginase via jugular infusion of N ^ω -hydroxy-nor-l-arginine inhibits casein synthesis in lactating dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 3514-3523.	1.4	11
202	Peroxisome proliferator-activated receptor delta regulates lipid droplet formation and transport in goat mammary epithelial cells. <i>Journal of Dairy Science</i> , 2018, 101, 2641-2649.	1.4	9
203	MiR-183 regulates milk fat metabolism via MST1 in goat mammary epithelial cells. <i>Gene</i> , 2018, 646, 12-19.	1.0	25
204	Varying the ratio of Lys:Met while maintaining the ratios of Thr:Phe, Lys:Thr, Lys:His, and Lys:Val alters mammary cellular metabolites, mammalian target of rapamycin signaling, and gene transcription. <i>Journal of Dairy Science</i> , 2018, 101, 1708-1718.	1.4	48
205	Akt Serine/Threonine Kinase 1 Regulates <i>de Novo</i> Fatty Acid Synthesis through the Mammalian Target of Rapamycin/Sterol Regulatory Element Binding Protein 1 Axis in Dairy Goat Mammary Epithelial Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 1197-1205.	2.4	34
206	Overexpression of SREBF chaperone (SCAP) enhances nuclear SREBP1 translocation to upregulate fatty acid synthase (FASN) gene expression in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2018, 101, 6523-6531.	1.4	27
207	Nuclear factor erythroid 2-related factor 2 antioxidant response element pathways protect bovine mammary epithelial cells against H ₂ O ₂ -induced oxidative damage in vitro. <i>Journal of Dairy Science</i> , 2018, 101, 5329-5344.	1.4	32
208	Effects of Dietary Arginine and N-Carbamylglutamate Supplementation on Intestinal Integrity, Immune Function, and Oxidative Status in Intrauterine-Growth-Retarded Suckling Lambs. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4145-4154.	2.4	56
209	Increasing the availability of threonine, isoleucine, valine, and leucine relative to lysine while maintaining an ideal ratio of lysine:methionine alters mammary cellular metabolites, mammalian target of rapamycin signaling, and gene transcription. <i>Journal of Dairy Science</i> , 2018, 101, 5502-5514.	1.4	27
210	Acyl-CoA synthetase short-chain family member 2 (ACSS2) is regulated by SREBP1 and plays a role in fatty acid synthesis in caprine mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 1005-1016.	2.0	77
211	Mechanism of prolactin inhibition of miR-135b via methylation in goat mammary epithelial cells. <i>Journal of Cellular Physiology</i> , 2018, 233, 651-662.	2.0	25
212	Ethyl-cellulose rumen-protected methionine alleviates inflammation and oxidative stress and improves neutrophil function during the periparturient period and early lactation in Holstein dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 480-490.	1.4	87
213	Trans10, cis12 conjugated linoleic acid increases triacylglycerol accumulation in goat mammary epithelial cells <i>in vitro</i> . <i>Animal Science Journal</i> , 2018, 89, 432-440.	0.6	7
214	Higher plane of nutrition pre-weaning enhances Holstein calf mammary gland development through alterations in the parenchyma and fat pad transcriptome. <i>BMC Genomics</i> , 2018, 19, 900.	1.2	14
215	Maternal supply of methionine during late-pregnancy enhances rate of Holstein calf development in utero and postnatal growth to a greater extent than colostrum source. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 83.	2.1	33
216	Residual feed intake in beef cattle and its association with carcass traits, ruminal solid-fraction bacteria, and epithelium gene expression. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 67.	2.1	50

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217	Effects of chronic heat stress on lactational performance and the transcriptomic profile of blood cells in lactating dairy goats. <i>Journal of Dairy Research</i> , 2018, 85, 423-430.	0.7	24
218	Methionine and valine activate the mammalian target of rapamycin complex 1 pathway through heterodimeric amino acid taste receptor (TAS1R1/TAS1R3) and intracellular Ca ²⁺ in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2018, 101, 11354-11363.	1.4	41
219	Methionine and choline supply alter transmethylation, transsulfuration, and cytidine 5â€²-diphosphocholine pathways to different extents in isolated primary liver cells from dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 11384-11395.	1.4	25
220	Impaired hepatic autophagic activity in dairy cows with severe fatty liver is associated with inflammation and reduced liver function. <i>Journal of Dairy Science</i> , 2018, 101, 11175-11185.	1.4	32
221	Dietary energy level affects adipose depot mass but does not impair in vitro subcutaneous adipose tissue response to short-term insulin and tumor necrosis factor- α challenge in nonlactating, nonpregnant Holstein cows. <i>Journal of Dairy Science</i> , 2018, 101, 10206-10219.	1.4	9
222	Association between the expression of miRâ€²6 and goat milk fatty acids. <i>Reproduction in Domestic Animals</i> , 2018, 53, 1478-1482.	0.6	14
223	Methionine and choline supply during the peripartal period alter polymorphonuclear leukocyte immune response and immunometabolic gene expression in Holstein cows. <i>Journal of Dairy Science</i> , 2018, 101, 10374-10382.	1.4	38
224	Rapid communication: lipid metabolic gene expression and triacylglycerol accumulation in goat mammary epithelial cells are decreased by inhibition of SREBP-1. <i>Journal of Animal Science</i> , 2018, 96, 2399-2407.	0.2	20
225	Skeletal muscle and liver gene expression profiles in finishing steers supplemented with Amaize. <i>Animal Science Journal</i> , 2018, 89, 1107-1119.	0.6	6
226	Prepartal standing behavior as a parameter for early detection of postpartal subclinical ketosis associated with inflammation and liver function biomarkers in peripartal dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 8224-8235.	1.4	40
227	Jugular infusion of arginine has a positive effect on antioxidant mechanisms in lactating dairy cows challenged intravenously with lipopolysaccharide1. <i>Journal of Animal Science</i> , 2018, 96, 3850-3855.	0.2	11
228	Association of residual feed intake with abundance of ruminal bacteria and biopolymer hydrolyzing enzyme activities during the peripartal period and early lactation in Holstein dairy cows. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 43.	2.1	32
229	Transcriptional profiling of swine mammary gland during the transition from colostrogenesis to lactogenesis using RNA sequencing. <i>BMC Genomics</i> , 2018, 19, 322.	1.2	29
230	Tea polyphenols protect bovine mammary epithelial cells from hydrogen peroxide-induced oxidative damage in vitro1. <i>Journal of Animal Science</i> , 2018, 96, 4159-4172.	0.2	20
231	Dietary N-carbamylglutamate and rumen-protected L-arginine supplementation during intrauterine growth restriction in undernourished ewes improve fetal thymus development and immune function. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1522.	0.1	19
232	Body condition score prior to parturition is associated with plasma and adipose tissue biomarkers of lipid metabolism and inflammation in Holstein cows. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 12.	2.1	27
233	Rumen-protected methionine during the peripartal period in dairy cows and its effects on abundance of major species of ruminal bacteria. <i>Journal of Animal Science and Biotechnology</i> , 2018, 9, 17.	2.1	20
234	Transcriptomics and iTRAQ-Proteomics Analyses of Bovine Mammary Tissue with <i>Streptococcus agalactiae</i> -Induced Mastitis. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 11188-11196.	2.4	27

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235	Review: Enhancing gastrointestinal health in dairy cows. <i>Animal</i> , 2018, 12, s399-s418.	1.3	116
236	Plasma fructosamine during the transition period and its relationship with energy metabolism and inflammation biomarkers in dairy cows. <i>Livestock Science</i> , 2018, 216, 138-147.	0.6	15
237	Sodium Butyrate Supplementation Alleviates the Adaptive Response to Inflammation and Modulates Fatty Acid Metabolism in Lipopolysaccharide-Stimulated Bovine Hepatocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6281-6290.	2.4	26
238	Fertility and the transition dairy cow. <i>Reproduction, Fertility and Development</i> , 2018, 30, 85.	0.1	52
239	Maternal supply of methionine during late pregnancy is associated with changes in immune function and abundance of microRNA and mRNA in Holstein calf polymorphonuclear leukocytes. <i>Journal of Dairy Science</i> , 2018, 101, 8146-8158.	1.4	40
240	Methionine supply alters mammary gland antioxidant gene networks via phosphorylation of nuclear factor erythroid 2-like 2 (NFE2L2) protein in dairy cows during the periparturient period. <i>Journal of Dairy Science</i> , 2018, 101, 8505-8512.	1.4	33
241	Hepatic phosphorylation status of serine/threonine kinase 1, mammalian target of rapamycin signaling proteins, and growth rate in Holstein heifer calves in response to maternal supply of methionine. <i>Journal of Dairy Science</i> , 2018, 101, 8476-8491.	1.4	7
242	Bioinformatics Analyses of Bovine Adipose Tissue Transcriptome from Lilo Beef Cattle at Different Stages of Growth. <i>Pakistan Journal of Zoology</i> , 2018, 50, .	0.1	6
243	Transport of fatty acids within plasma lipoproteins in lactating and non-lactating cows fed on fish oil and hydrogenated palm oil. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, 369-377.	1.0	8
244	SCD1 Alters Long-Chain Fatty Acid (LCFA) Composition and Its Expression Is Directly Regulated by SREBP-1 and PPARG ¹ in Dairy Goat Mammary Cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 635-649.	2.0	66
245	miR-148a and miR-17â€“5p synergistically regulate milk TAG synthesis via <i>PPARGC1A</i> and <i>PPARA</i> in goat mammary epithelial cells. <i>RNA Biology</i> , 2017, 14, 326-338.	1.5	67
246	Strategies to gain body condition score in pasture-based dairy cows during late lactation and the far-off nonlactating period and their interaction with close-up dry matter intake. <i>Journal of Dairy Science</i> , 2017, 100, 1720-1738.	1.4	22
247	Effects of precalving body condition and prepartum feeding level on gene expression in circulating neutrophils. <i>Journal of Dairy Science</i> , 2017, 100, 2310-2322.	1.4	18
248	Far-off and close-up dry matter intake modulate indicators of immunometabolic adaptations to lactation in subcutaneous adipose tissue of pasture-based transition dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 2334-2350.	1.4	27
249	Effects of dietary neutral detergent fiber and starch ratio on rumen epithelial cell morphological structure and gene expression in dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 3705-3712.	1.4	15
250	Short communication: Arginase inhibition reduces the synthesis of casein in bovine mammary epithelial cells. <i>Journal of Dairy Science</i> , 2017, 100, 4128-4133.	1.4	10
251	Expression of fatty acid sensing G-protein coupled receptors in peripartal Holstein cows. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 20.	2.1	17
252	Maternal supplementation with rumen-protected methionine increases prepartal plasma methionine concentration and alters hepatic mRNA abundance of 1-carbon, methionine, and transsulfuration pathways in neonatal Holstein calves. <i>Journal of Dairy Science</i> , 2017, 100, 3209-3219.	1.4	39

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253	Supplemental methionine, choline, or taurine alter in vitro gene network expression of polymorphonuclear leukocytes from neonatal Holstein calves. <i>Journal of Dairy Science</i> , 2017, 100, 3155-3165.	1.4	43
254	Supplemental Smartamine M in higher-energy diets during the prepartal period improves hepatic biomarkers of health and oxidative status in Holstein cows. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 17.	2.1	11
255	Effect of circulating exosomes from transition cows on Madin-Darby bovine kidney cell function. <i>Journal of Dairy Science</i> , 2017, 100, 5687-5700.	1.4	16
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