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List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Placentome Nutrient Transporters and Mammalian Target of Rapamycin Signaling Proteins Are Altered by the Methionine Supply during Late Gestation in Dairy Cows and Are Associated with Newborn Birth Weight. <i>Journal of Nutrition</i> , 2017, 147, 1640-1647.	2.9	48
2	Amino acids and the regulation of oxidative stress and immune function in dairy cattle. <i>Journal of Animal Science</i> , 2020, 98, S175-S193.	0.5	45
3	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.	3.4	43
4	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.	5.3	41
5	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.	3.4	40
6	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.	3.5	38
7	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.	5.3	33
8	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.	3.4	33
9	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.	2.9	30
10	Protective influence of betaine on intestinal health by regulating inflammation and improving barrier function in broilers under heat stress. <i>Poultry Science</i> , 2021, 100, 101337.	3.4	29
11	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.	5.3	27
12	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.	5.3	26
13	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.	3.4	24
14	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.	3.4	19
15	Reticulo-rumen mass, epithelium gene expression, and systemic biomarkers of metabolism and inflammation in Holstein dairy cows fed a high-energy diet. <i>Journal of Dairy Science</i> , 2017, 100, 9352-9360.	3.4	18
16	Expression of fatty acid sensing G-protein coupled receptors in periparturient Holstein cows. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 20.	5.3	17
17	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.	5.3	17
18	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.	3.4	15

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19	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.	3.4	14
20	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.	2.8	10
21	Effects of Nano Emulsified Vegetable Oil and Betaine on Growth Traits and Meat Characteristics of Broiler Chickens Reared under Cyclic Heat Stress. <i>Animals</i> , 2021, 11, 1911.	2.3	10
22	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.	3.4	9
23	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.	3.4	9
24	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.	5.3	9
25	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.	3.4	8
26	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.	3.4	7
27	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.	3.4	7
28	Soybean Oil Replacement by Poultry Fat in Broiler Diets: Performance, Nutrient Digestibility, Plasma Lipid Profile and Muscle Fatty Acids Content. <i>Animals</i> , 2021, 11, 2609.	2.3	7
29	Growth performance, carcass and meat quality, bone strength, and immune response of broilers fed low-calcium diets supplemented with marine mineral complex and phytase. <i>Poultry Science</i> , 2022, 101, 101849.	3.4	7
30	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.	3.4	6
31	Insight View on the Role of in Ovo Feeding of Clenbuterol on Hatched Chicks: Hatchability, Growth Efficiency, Serum Metabolic Profile, Muscle, and Lipid-Related Markers. <i>Animals</i> , 2021, 11, 2429.	2.3	5
32	The Effects of Different Levels of Sunflower Hulls on Reproductive Performance of Yearly Ewes Fed with Pelleted Complete Diets. <i>Agriculture (Switzerland)</i> , 2021, 11, 959.	3.1	5
33	Protective Effect of Date Pits on Growth Performance, Carcass Traits, Blood Indices, Intestinal Morphology, Nutrient Digestibility, and Hepatic Aflatoxin Residues of Aflatoxin B1-Exposed Broilers. <i>Agriculture (Switzerland)</i> , 2022, 12, 476.	3.1	5
34	Efficacy of <i>Rumex nervosus</i> leaves or <i>Cinnamomum verum</i> bark as natural growth promoters on the growth performance, immune responsiveness, and serum biochemical profile of broiler chickens. <i>Italian Journal of Animal Science</i> , 2022, 21, 792-801.	1.9	5
35	Effect of Exogenous Enzymes Cocktail on Performance, Carcass Traits, Biochemical Metabolites, Intestinal Morphology, and Nutrient Digestibility of Broilers Fed Normal and Low-Energy Corn-Soybean Diets. <i>Animals</i> , 2022, 12, 1094.	2.3	5
36	Residual feed intake in peripartal dairy cows is associated with differences in milk fat yield, ruminal bacteria, biopolymer hydrolyzing enzymes, and circulating biomarkers of immunometabolism. <i>Journal of Dairy Science</i> , 2022, 105, 6654-6669.	3.4	5

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37	Effects of the Inclusion of Different Levels of Dietary Sunflower Hulls on the Colostrum Compositions of Ewes. <i>Animals</i> , 2021, 11, 777.	2.3	4
38	Current situation and diversity of indigenous cattle breeds of Saudi Arabia. <i>Animal Genetic Resources</i> = <i>Ressources Genetiques Animales</i> = <i>Recursos Geneticos Animales</i> , 2015, 57, 39-49.	0.1	3
39	Metabolomics and Proteomics Signatures in Feed-Efficient Beef and Dairy Cattle. <i>Sustainable Agriculture Reviews</i> , 2021, , 153-165.	1.1	2