# Harald M Hammon

List of Publications by Year
in descending order



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|---|---|---|---|
| 46 papers | 1,642 citations | 394421 19 h-index | 289244 40 g-index |
| 46 all docs | 46 docs citations | 46 times ranked | 1524 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Gluconeogenesis in dairy cows: The secret of making sweet milk from sour dough. IUBMB Life, 2010, 62, 869-877. | 3.4 | 338 |
| 2 | An Energy-Rich Diet Causes Rumen Papillae Proliferation Associated with More IGF Type 1 Receptors and Increased Plasma IGF-1 Concentrations in Young Goats. Journal of Nutrition, 2004, 134, 11-17. | 2.9 | 152 |
| 3 | Feeding Colostrum, Its Composition and Feeding Duration Variably Modify Proliferation and Morphology of the Intestine and Digestive Enzyme Activities of Neonatal Calves. Journal of Nutrition, 2001, 131, 1256-1263. | 2.9 | 120 |
| 4 | Delaying Colostrum Intake by One Day Has Important Effects on Metabolic Traits and on Gastrointestinal and Metabolic Hormones in Neonatal Calves , ,. Journal of Nutrition, 1997, 127, 2011-2023. | 2.9 | 110 |
| 5 | Metabolic and Endocrine Traits of Neonatal Calves Are Influenced by Feeding Colostrum for Different Durations or Only Milk Replacer. Journal of Nutrition, 1998, 128, 624-632. | 2.9 | 102 |
| 6 | Metabolomic profiles indicate distinct physiological pathways affected by two loci with major divergent effect on <i>Bos taurus</i> growth and lipid deposition. Physiological Genomics, 2010, 42A, 79-88. | 2.3 | 70 |
| 7 | Systems Biology Analysis Merging Phenotype, Metabolomic and Genomic Data Identifies Non-SMC Condensin I Complex, Subunit G (NCAPG) and Cellular Maintenance Processes as Major Contributors to Genetic Variability in Bovine Feed Efficiency. PLoS ONE, 2015, 10, e0124574. | 2.5 | 62 |
| 8 | Effects of Feeding Milk Replacer Ad Libitum or in Restricted Amounts for the First Five Weeks of Life on the Growth, Metabolic Adaptation, and Immune Status of Newborn Calves. PLoS ONE, 2016, 11, e0168974. | 2.5 | 60 |
| 9 | Review: Importance of colostrum supply and milk feeding intensity on gastrointestinal and systemic development in calves. Animal, 2020, 14, s133-s143. | 3.3 | 56 |
| 10 | Intestinal Glucose Absorption but Not Endogenous Glucose Production Differs between Colostrum- and Formula-Fed Neonatal Calves. Journal of Nutrition, 2011, 141, 48-55. | 2.9 | 52 |
| 11 | Prolonged colostrum feeding enhances xylose absorption in neonatal calves.. Journal of Animal Science, 1997, 75, 2915. | 0.5 | 46 |
| 12 | Low and High Dietary Protein:Carbohydrate Ratios during Pregnancy Affect Materno-Fetal Glucose Metabolism in Pigs. Journal of Nutrition, 2014, 144, 155-163. | 2.9 | 44 |
| 13 | Supplementation of conjugated linoleic acid in dairy cows reduces endogenous glucose production during early lactation. Journal of Dairy Science, 2013, 96, 2258-2270. | 3.4 | 43 |
| 14 | Diet effects on glucose absorption in the small intestine of neonatal calves: Importance of intestinal mucosal growth, lactase activity, and glucose transporters. Journal of Dairy Science, 2014, 97, 6358-6369. | 3.4 | 40 |
| 15 | Biological Network Approach for the Identification of Regulatory Long Non-Coding RNAs Associated With Metabolic Efficiency in Cattle. Frontiers in Genetics, 2019, 10, 1130. | 2.3 | 34 |
| 16 | Effects of abomasal infusion of essential fatty acids and conjugated linoleic acid on performance and fatty acid, antioxidative, and inflammatory status in dairy cows. Journal of Dairy Science, 2020, 103, 972-991. | 3.4 | 27 |
| 17 | Long noncoding RNAs are associated with metabolic and cellular processes in the jejunum mucosa of pre-weaning calves in response to different diets. Oncotarget, 2018, 9, 21052-21069. | 1.8 | 25 |
| 18 | Quercetin Feeding in Newborn Dairy Calves Cannot Compensate Colostrum Deprivation: Study on Metabolic, Antioxidative and Inflammatory Traits. PLoS ONE, 2016, 11, e0146932. | 2.5 | 24 |

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|---|---|---|---|
| 19 | Effects of abomasal infusion of essential fatty acids together with conjugated linoleic acid in late and early lactation on performance, milk and body composition, and plasma metabolites in dairy cows. Journal of Dairy Science, 2020, 103, 7431-7450. | 3.4 | 24 |
| 20 | Effects of dexamethasone and colostrum intake on the somatotropic axis in neonatal calves. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E252-E261. | 3.5 | 18 |
| 21 | The Effects of Oral Quercetin Supplementation on Splanchnic Glucose Metabolism in 1-Week-Old Calves Depend on Diet after Birth. Journal of Nutrition, 2015, 145, 2486-2495. | 2.9 | 16 |
| 22 | Effects of colostrum instead of formula feeding for the first 2 days postnatum on whole-body energy metabolism and its endocrine control in neonatal calves. Journal of Dairy Science, 2020, 103, 3577-3598. | 3.4 | 16 |
| 23 | A simplified mass isotopomer approach to estimate gluconeogenesis rate <i>in vivo</i> using deuterium oxide. Rapid Communications in Mass Spectrometry, 2010, 24, 1287-1295. | 1.5 | 15 |
| 24 | Dietary Fatty Acids Affect Red Blood Cell Membrane Composition and Red Blood Cell ATP Release in Dairy Cows. International Journal of Molecular Sciences, 2019, 20, 2769. | 4.1 | 13 |
| 25 | Changes in fatty acids in plasma and association with the inflammatory response in dairy cows abomasally infused with essential fatty acids and conjugated linoleic acid during late and early lactation. Journal of Dairy Science, 2020, 103, 11889-11910. | 3.4 | 12 |
| 26 | Mammalian target of rapamycin signaling and ubiquitin proteasomeâ€“related gene expression in 3 different skeletal muscles of colostrum- versus formula-fed calves. Journal of Dairy Science, 2017, 100, 9428-9441. | 3.4 | 10 |
| 27 | Identification and Annotation of Potential Function of Regulatory Antisense Long Non-Coding RNAs Related to Feed Efficiency in Bos taurus Bulls. International Journal of Molecular Sciences, 2020, 21, 3292. | 4.1 | 10 |
| 28 | Modulation of colostrum composition and fatty acid status in neonatal calves by maternal supplementation with essential fatty acids and conjugated linoleic acid starting in late lactation. Journal of Dairy Science, 2021, 104, 4950-4969. | 3.4 | 10 |
| 29 | Ontogenic Changes of Villus Growth, Lactase Activity, and Intestinal Glucose Transporters in Preterm and Term Born Calves with or without Prolonged Colostrum Feeding. PLoS ONE, 2015, 10, e0128154. | 2.5 | 9 |
| 30 | Glucose metabolism and the somatotropic axis in dairy cows after abomasal infusion of essential fatty acids together with conjugated linoleic acid during late gestation and early lactation. Journal of Dairy Science, 2021, 104, 3646-3664. | 3.4 | 8 |
| 31 | Phosphoproteomic Analysis of Subcutaneous and Omental Adipose Tissue Reveals Increased Lipid Turnover in Dairy Cows Supplemented with Conjugated Linoleic Acid. International Journal of Molecular Sciences, 2021, 22, 3227. | 4.1 | 7 |
| 32 | Short communication: Colostrum versus formula: Effects on mRNA expression of genes related to branched-chain amino acid metabolism in neonatal dairy calves. Journal of Dairy Science, 2020, 103, 9656-9666. | 3.4 | 7 |
| 33 | Effects of milk replacer meal size on feed intake, growth performance, and blood metabolites and hormones of calves fed milk replacer with or without butyrate ad libitum: A cluster-analytic approach. Journal of Dairy Science, 2021, 104, 4650-4664. | 3.4 | 6 |
| 34 | Effects of colostrum feeding on the mRNA abundance of genes related to toll-like receptors, key antimicrobial defense molecules, and tight junctions in the small intestine of neonatal dairy calves. Journal of Dairy Science, 2021, 104, 10363-10373. | 3.4 | 6 |
| 35 | Effects of a combined essential fatty acid and conjugated linoleic acid abomasal infusion on metabolic and endocrine traits, including the somatotropic axis, in dairy cows. Journal of Dairy Science, 2020, 103, 12069-12082. | 3.4 | 6 |
| 36 | Retinol binding protein 4 abundance in plasma and tissues is related to body fat deposition in cattle. Scientific Reports, 2019, 9, 8056. | 3.3 | 5 |

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| 37 | Consequences of Maternal Essential Fatty Acid and Conjugated Linoleic Acid Supplementation on the Development of Calf Muscle and Adipose Tissue. Animals, 2020, 10, 1598. | 2.3 | 5 |
| 38 | Effect of maternal supplementation with essential fatty acids and conjugated linoleic acid on metabolic and endocrine development in neonatal calves. Journal of Dairy Science, 2021, 104, 7295-7314. | 3.4 | 5 |
| 39 | Effects of a Maternal Essential Fatty Acid and Conjugated Linoleic Acid Supplementation during Late Pregnancy and Early Lactation on Hematologic and Immunological Traits and the Oxidative and Anti-Oxidative Status in Blood Plasma of Neonatal Calves. Animals, 2021, 11, 2168. | 2.3 | 5 |
| 40 | Metabogenomic analysis to functionally annotate the regulatory role of long non-coding RNAs in the liver of cows with different nutrient partitioning phenotype. Genomics, 2022, 114, 202-214. | 2.9 | 5 |
| 41 | Plasma proteomics reveals crosstalk between lipid metabolism and immunity in dairy cows receiving essential fatty acids and conjugated linoleic acid. Scientific Reports, 2022, 12, 5648. | 3.3 | 5 |
| 42 | Prolonged Corrosion Stability of a Microchip Sensor Implant during In Vivo Exposure. Biosensors, 2018, 8, 13. | 4.7 | 4 |
| 43 | Cellular detection of the chemokine receptor CXCR4 in bovine mammary glands and its distribution and regulation on bovine leukocytes. Journal of Dairy Science, 2022, 105, 866-876. | 3.4 | 3 |
| 44 | Liver proteome profiling in dairy cows during the transition from gestation to lactation: Effects of supplementation with essential fatty acids and conjugated linoleic acids as explored by PLS-DA. Journal of Proteomics, 2022, 252, 104436. | 2.4 | 3 |
| 45 | Longitudinal liver proteome profiling in dairy cows during the transition from gestation to lactation: Investigating metabolic adaptations and their interactions with fatty acids supplementation via repeated measurements ANOVA-simultaneous component analysis. Journal of Proteomics, 2022, 252, 104435. | 2.4 | 3 |
| 46 | Milk production and nutrient partitioning as measured by13C enrichment of milk components during C3and C4plant feeding in purebred Holstein and in Charolaisâ€‰Ã—â€‰Holstein F2crossbred cows. Isotopes in Environmental and Health Studies, 2015, 51, 46-57. | 1.0 | 1 |