Ransom L Baldwin Vi

List of Publications by Year
in descending order

38 papers	1,437 citations	471509 17 h-index	330143 37 g-index
38 all docs	38 docs citations	38 times ranked	1701 citing authors

#	Article	IF	Citations
1	Characterization of the rumen microbiota of preâ€ruminant calves using metagenomic tools. Environmental Microbiology, 2012, 14, 129-139.	3.8	311
2	The effect of helminth infection on the microbial composition and structure of the caprine abomasal microbiome. Scientific Reports, 2016, 6, 20606.	3.3	129
3	Gene expression in bovine rumen epithelium during weaning identifies molecular regulators of rumen development and growth. Functional and Integrative Genomics, 2013, 13, 133-142.	3.5	118
4	Perturbation Dynamics of the Rumen Microbiota in Response to Exogenous Butyrate. PLoS ONE, 2012, 7, e29392.	2.5	103
5	Enhanced mitochondrial complex gene function and reduced liver size may mediate improved feed efficiency of beef cattle during compensatory growth. Functional and Integrative Genomics, 2010, 10, 39-51.	3.5	99
6	The Bacterial Community Composition of the Bovine Rumen Detected Using Pyrosequencing of 16S rRNA Genes. Metagenomics (Cairo, Egypt), 2012, 1, 1-11.	1.2	91
7	Comparative whole genome DNA methylation profiling of cattle sperm and somatic tissues reveals striking hypomethylated patterns in sperm. GigaScience, 2018, 7, .	6.4	60
8	Rumen Function and Development. Veterinary Clinics of North America - Food Animal Practice, 2017, 33, 427-439.	1.2	53
9	Quantification of Transcriptome Responses of the Rumen Epithelium to Butyrate Infusion using RNA-seq Technology. Gene Regulation and Systems Biology, 2012, 6, GRSB.S9687.	2.3	51
10	Functional annotation of the cattle genome through systematic discovery and characterization of chromatin states and butyrate-induced variations. BMC Biology, 2019, 17, 68.	3.8	48
11	Intestinal Protein Supply Alters Amino Acid, but Not Glucose, Metabolism by the Sheep Gastrointestinal Tract. Journal of Nutrition, 2006, 136, 1261-1269.	2.9	44
12	Muscle transcriptomic analyses in Angus cattle with divergent tenderness. Molecular Biology Reports, 2012, 39, 4185-4193.	2.3	40
13	Functional proteomic and interactome analysis of proteins associated with beef tenderness in Angus cattle. Livestock Science, 2014, 161, 201-209.	1.6	35
14	Comparative whole genome DNA methylation profiling across cattle tissues reveals global and tissue-specific methylation patterns. BMC Biology, 2020, 18, 85.	3.8	34
15	Glutamate Is the Major Anaplerotic Substrate in the Tricarboxylic Acid Cycle of Isolated Rumen Epithelial and Duodenal Mucosal Cells from Beef Cattle. Journal of Nutrition, 2009, 139, 869-875.	2.9	27
16	Characterization of the longissimus lumborum transcriptome response to adding propionate to the diet of growing Angus beef steers. Physiological Genomics, 2012, 44, 543-550.	2.3	20
17	Transcriptomic Sequencing Reveals a Set of Unique Genes Activated by Butyrate-Induced Histone Modification. Gene Regulation and Systems Biology, 2016, 10, GRSB.S35607.	2.3	18
18	Predicting Perchlorate Exposure in Milk from Concentrations in Dairy Feed. Journal of Agricultural and Food Chemistry, 2007, 55, 8806-8813.	5.2	17

#	Article	IF	Citations
19	Single-cell transcriptomic analyses of dairy cattle ruminal epithelial cells during weaning. Genomics, 2021, 113, 2045-2055.	2.9	16
20	Selection of internal reference genes for normalization of reverse transcription quantitative polymerase chain reaction (RT-qPCR) analysis in the rumen epithelium. PLoS ONE, 2017, 12, e0172674.	2.5	15
21	The Profiling of DNA Methylation and Its Regulation on Divergent Tenderness in Angus Beef Cattle. Frontiers in Genetics, 2020, 11, 939.	2.3	13
22	Consumption of endophyte-infected fescue seed during the dry period does not decrease milk production in the following lactation. Journal of Dairy Science, 2016, 99, 7574-7589.	3.4	12
23	Transcriptomic Impacts of Rumen Epithelium Induced by Butyrate Infusion in Dairy Cattle in Dry Period. Gene Regulation and Systems Biology, 2018, 12, 117762501877479.	2.3	12
24	Identification of two cDNA clones encoding small proline-rich proteins expressed in sheep ruminal epithelium. Biochemical Journal, 1996, 317, 225-233.	3.7	11
25	Hot topic: Brown marmorated stink bug odor compounds do not transfer into milk by feeding bug-contaminated corn silage to lactating dairy cattle. Journal of Dairy Science, 2014, 97, 1877-1884.	3.4	11
26	Isolation and characterization of a cDNA clone encoding ovine type I carbonic anhydrase.. Journal of Animal Science, 1996, 74, 345.	0.5	8
27	Effect of consuming endophyte-infected fescue seed on transcript abundance in the mammary gland of lactating and dry cows, as assessed by RNA sequencing. Journal of Dairy Science, 2018, 101, 10478-10494.	3.4	8
28	Establishment and transcriptomic analyses of a cattle rumen epithelial primary cells (REPC) culture by bulk and single-cell RNA sequencing to elucidate interactions of butyrate and rumen development. Heliyon, 2020, 6, e04112.	3.2	8
29	Temporal dynamics in meta longitudinal RNA-Seq data. Scientific Reports, 2019, 9, 763.	3.3	4
30	Synthetic Alkaloid Treatment Influences the Intestinal Epithelium and Mesenteric Adipose Transcriptome in Holstein Steers. Frontiers in Veterinary Science, 2020, 7, 615.	2.2	4
31	Functional annotation of regulatory elements in cattle genome reveals the roles of extracellular interaction and dynamic change of chromatin states in rumen development during weaning. Genomics, 2022, 114, 110296.	2.9	4
32	Characterization of Accessible Chromatin Regions in Cattle Rumen Epithelial Tissue during Weaning. Genes, 2022, 13, 535.	2.4	4
33	Data of epigenomic profiling of histone marks and CTCF binding sites in bovine rumen epithelial primary cells before and after butyrate treatment. Data in Brief, 2020, 28, 104983.	1.0	3
34	Transcriptomic Profiling of Duodenal Epithelium Reveals Temporally Dynamic Impacts of Direct Duodenal Starch-Infusion During Dry Period of Dairy Cattle. Frontiers in Veterinary Science, 2019, 6, 214.	2.2	2
35	The Dynamics of Chromatin Accessibility Prompted by Butyrate-Induced Chromatin Modification in Bovine Cells. Ruminants, 2022, 2, 226-243.	1.1	2
36	Transcriptional Reprogramming in Rumen Epithelium during the Developmental Transition of Pre-Ruminant to the Ruminant in Cattle. Animals, 2021, 11, 2870.	2.3	1

#	Article	IF	Citations
37	Assembly and Analysis of Changes in Transcriptomes of Dairy Cattle Rumen Epithelia during Lactation and Dry Periods. Agricultural Sciences, 2018, 09, 619-638.	0.3	1
38	PSVIII-25 Transcriptional reprogramming in rumen epithelium during the developmental transition of pre-ruminant to the ruminant in cattle. Journal of Animal Science, 2021, 99, 355-356.	0.5	0