David A Kenny

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2014149/publications.pdf

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55	1,699	331259	301761
papers	citations	21	39
		h-index	g-index

56	56	56	2033
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Phenotypic Residual Feed Intake and Dietary Forage Content on the Rumen Microbial Community of Beef Cattle. Applied and Environmental Microbiology, 2012, 78, 4949-4958.	1.4	256
2	Maternal Undernutrition in Cows Impairs Ovarian and Cardiovascular Systems in Their Offspring1. Biology of Reproduction, 2013, 88, 92.	1.2	146
3	Interrelationships between negative energy balance (NEB) and IGF regulation in liver of lactating dairy cows. Domestic Animal Endocrinology, 2008, 34, 31-44.	0.8	112
4	RNA-seq analysis of differential gene expression in liver from lactating dairy cows divergent in negative energy balance. BMC Genomics, 2012, 13, 193.	1.2	98
5	Seaweed and Seaweed Bioactives for Mitigation of Enteric Methane: Challenges and Opportunities. Animals, 2020, 10, 2432.	1.0	81
6	Rumen Methanogenic Genotypes Differ in Abundance According to Host Residual Feed Intake Phenotype and Diet Type. Applied and Environmental Microbiology, 2014, 80, 586-594.	1.4	75
7	Divergent functional isoforms drive niche specialisation for nutrient acquisition and use in rumen microbiome. ISME Journal, 2017, 11, 932-944.	4.4	70
8	mRNA expression of genes regulating oxidative phosphorylation in the muscle of beef cattle divergently ranked on residual feed intake. Physiological Genomics, 2011, 43, 12-23.	1.0	55
9	Global gene expression in endometrium of high and low fertility heifers during the mid-luteal phase of the estrous cycle. BMC Genomics, 2014, 15, 234.	1.2	54
10	Single Nucleotide Polymorphisms in the Insulin-Like Growth Factor 1 (IGF-1) Gene are Associated with Performance in Holstein-Friesian Dairy Cattle. Frontiers in Genetics, 2011, 2, 3.	1.1	50
11	GWAS and eQTL analysis identifies a SNP associated with both residual feed intake and GFRA2 expression in beef cattle. Scientific Reports, 2018, 8, 14301.	1.6	48
12	16S rRNA Sequencing Reveals Relationship Between Potent Cellulolytic Genera and Feed Efficiency in the Rumen of Bulls. Frontiers in Microbiology, 2018, 9, 1842.	1.5	42
13	Proteomic profiling of bovine M. longissimus lumborum from Crossbred Aberdeen Angus and Belgian Blue sired steers varying in genetic merit for carcass weight1. Journal of Animal Science, 2013, 91, 654-665.	0.2	39
14	Effect of dietary restriction and subsequent re-alimentation on the transcriptional profile of hepatic tissue in cattle. BMC Genomics, 2016, 17, 244.	1.2	36
15	Long Chain n-3 Polyunsaturated Fatty Acid Concentration and Color and Lipid Stability of Muscle from Heifers Offered a Ruminally Protected Fish Oil Supplement. Journal of Agricultural and Food Chemistry, 2011, 59, 5015-5025.	2.4	35
16	Dietary n-3 polyunsaturated fatty acid supplementation alters the expression of genes involved in the control of fertility in the bovine uterine endometrium. Physiological Genomics, 2012, 44, 878-888.	1.0	30
17	Investigating temporal microbial dynamics in the rumen of beef calves raised on two farms during early life. FEMS Microbiology Ecology, 2020, 96, .	1.3	30
18	Effect of Dietary Restriction and Subsequent Re-Alimentation on the Transcriptional Profile of Bovine Skeletal Muscle. PLoS ONE, 2016, 11, e0149373.	1.1	29

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19	Effect of dietary n-3 polyunsaturated fatty acid supplementation on bovine uterine endometrial and hepatic gene expression of the insulin-like growth factor system. Theriogenology, 2011, 75, 500-512.	0.9	23
20	Effect of dietary n-3 polyunsaturated fatty acids on transcription factor regulation in the bovine endometrium. Molecular Biology Reports, 2014, 41, 2745-2755.	1.0	23
21	Plane of nutrition affects the phylogenetic diversity and relative abundance of transcriptionally active methanogens in the bovine rumen. Scientific Reports, 2017, 7, 13047.	1.6	21
22	Effect of supplementation with n-3 polyunsaturated fatty acids and/or Î²-glucans on performance, feeding behaviour and immune status of Holstein Friesian bull calves during the pre- and post-weaning periods. Journal of Animal Science and Biotechnology, 2019, 10, 7.	2.1	21
23	Molecular Physiology of Feed Efficiency in Beef Cattle. , 2017, , 122-165.		20
24	Quantitative analysis of ruminal methanogenic microbial populations in beef cattle divergent in phenotypic residual feed intake (RFI) offered contrasting diets. Journal of Animal Science and Biotechnology, 2014, 5, 41.	2.1	19
25	Investigation into the effect of divergent feed efficiency phenotype on the bovine rumen microbiota across diet and breed. Scientific Reports, 2020, 10, 15317.	1.6	19
26	Effect of dietary restriction and subsequent re-alimentation on the transcriptional profile of bovine ruminal epithelium. PLoS ONE, 2017, 12, e0177852.	1.1	18
27	Effect of dietary restriction and subsequent re-alimentation on the transcriptional profile of bovine jejunal epithelium. PLoS ONE, 2018, 13, e0194445.	1.1	17
28	Expression of genes involved in energy homeostasis in the duodenum and liver of Holstein-Friesian and Jersey cows and their F₁ hybrid. Physiological Genomics, 2012, 44, 198-209.	1.0	16
29	Prepubertal nutrition alters Leydig cell functional capacity and timing of puberty. PLoS ONE, 2019, 14, e0225465.	1.1	15
30	Endometrial gene expression in high- and low-fertility heifers in the late luteal phase of the estrous cycle and a comparison with midluteal gene expression. Physiological Genomics, 2016, 48, 306-319.	1.0	11
31	Sward type alters the relative abundance of members of the rumen microbial ecosystem in dairy cows. Scientific Reports, 2020, 10, 9317.	1.6	11
32	Effect of early calf-hood nutrition on the transcriptomic profile of subcutaneous adipose tissue in Holstein-Friesian bulls. BMC Genomics, 2018, 19, 281.	1.2	10
33	Gene co-expression networks contributing to the expression of compensatory growth in metabolically active tissues in cattle. Scientific Reports, 2019, 9, 6093.	1.6	10
34	Transcriptome assisted label free proteomics of hepatic tissue in response to both dietary restriction and compensatory growth in cattle. Journal of Proteomics, 2021, 232, 104048.	1.2	10
35	An examination of skeletal muscle and hepatic tissue transcriptomes from beef cattle divergent for residual feed intake. Scientific Reports, 2021, 11, 8942.	1.6	10
36	Effect of plane of nutrition in early life on the transcriptome of visceral adipose tissue in Angus heifer calves. Scientific Reports, 2021, 11, 9716.	1.6	10

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37	Examination of the molecular control of ruminal epithelial function in response to dietary restriction and subsequent compensatory growth in cattle. Journal of Animal Science and Biotechnology, 2016, 7, 53.	2.1	9
38	Effect of calfhood nutrition on metabolic hormones, gonadotropins, and estradiol concentrations and on reproductive organ development in beef heifer calves. Journal of Animal Science, 2020, 98, .	0.2	9
39	Feed Intake, Methane Emissions, Milk Production and Rumen Methanogen Populations of Grazing Dairy Cows Supplemented with Various C 18 Fatty Acid Sources. Animals, 2020, 10, 2380.	1.0	9
40	Effect of feed restriction and subsequent re-alimentation on hormones and genes of the somatotropic axis in cattle. Physiological Genomics, 2015, 47, 264-273.	1.0	8
41	Birth delivery method affects expression of immune genes in lung and jejunum tissue of neonatal beef calves. BMC Veterinary Research, 2017, 13, 391.	0.7	8
42	Effect of equine chorionic gonadotropin treatment during a progesterone-based timed artificial insemination program on reproductive performance in seasonal-calving lactating dairy cows. Journal of Dairy Science, 2018, 101, 10526-10535.	1.4	8
43	Replacing Barley and Soybean Meal With By-products, in a Pasture Based Diet, Alters Daily Methane Output and the Rumen Microbial Community in vitro Using the Rumen Simulation Technique (RUSITEC). Frontiers in Microbiology, 2020, 11, 1614.	1.5	8
44	Insulin secretion and signaling in response to dietary restriction and subsequent re-alimentation in cattle. Physiological Genomics, 2015, 47, 344-354.	1.0	7
45	Effect of short term diet restriction on gene expression in the bovine hypothalamus using next generation RNA sequencing technology. BMC Genomics, 2017, 18, 857.	1.2	7
46	Label-free quantitative proteomic analysis of M. longissimus dorsi from cattle during dietary restriction and subsequent compensatory growth. Scientific Reports, 2020, 10, 2613.	1.6	7
47	Effect of plane of nutrition during the first 12 weeks of life on growth, metabolic and reproductive hormone concentrations, and testicular relative mRNA abundance in preweaned Holstein Friesian bull calves. Journal of Animal Science, 2021, 99, .	0.2	7
48	Integrated analyses of the microbiological, immunological and ontological transitions in the calf ileum during early life. Scientific Reports, 2020, 10, 21264.	1.6	6
49	A high plane of nutrition during early life alters the hypothalamic transcriptome of heifer calves. Scientific Reports, 2021, 11, 13978.	1.6	6
50	Role of early life nutrition on the hypothalamic-pituitary-testicular axis of the bull. Reproduction, 2018, 156, 283-297.	1.1	5
51	Effect of ovulation synchronization program and season on pregnancy to timed artificial insemination in suckled beef cows. Theriogenology, 2021, 172, 223-229.	0.9	5
52	Effects of dietary n-3-PUFA supplementation, post-insemination plane of nutrition and pregnancy status on the endometrial transcriptome of beef heifers. Scientific Reports, 2020, 10, 20798.	1.6	4
53	Fatty acid intake and rumen fatty acid composition is affected by pre-grazing herbage mass and daily herbage allowance in Holstein dairy cows. Spanish Journal of Agricultural Research, 2014, 12, 708.	0.3	4
54	Effect of genotype on duodenal expression of nutrient transporter genes in dairy cows. Journal of Animal Science and Biotechnology, 2013, 4, 49.	2.1	3

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55	The effects of short term dietary restriction on haematological responses and leukocyte gene expression of anovulatory and ovulatory beef heifers. Research in Veterinary Science, 2015, 98, 145-153.	0.9	3