Helga Sauerwein

List of Publications by Year
in descending order

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Version: 2024-02-01

170 papers	4,076 citations	126901 33 h-index	161844 54 g-index

171 all docs	171 docs citations	171 times ranked	3346 citing authors

#	Article	IF	Citations
1	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
2	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
3	Blood and adipose tissue steroid metabolomics and mRNA expression of steroidogenic enzymes in periparturient dairy cows differing in body condition. Scientific Reports, 2022, 12, 2297.	3.3	6
4	Symposium review: Adipose tissue endocrinology in the periparturient period of dairy cows. Journal of Dairy Science, 2022, 105, 3648-3669.	3.4	10
5	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
6	Identification and characterization of dairy cows with different backfat thickness antepartum in relation to postpartum loss of backfat thickness: A cluster analytic approach. Journal of Dairy Science, 2022, 105, 6327-6338.	3.4	1
7	Effects of different ratios of omega-6:omega-3 fatty acids in the diet of sows on the proteome of milk-derived extracellular vesicles. Journal of Proteomics, 2022, 264, 104632.	2.4	2
8	Combined biotin, folic acid, and vitamin B12 supplementation given during the transition period to dairy cows: Part I. Effects on lactation performance, energy and protein metabolism, and hormones. Journal of Dairy Science, 2022, 105, 7079-7096.	3.4	9
9	Macronutrient profile in milk replacer or a whole milk powder modulates growth performance, feeding behavior, and blood metabolites in ad libitum-fed calves. Journal of Dairy Science, 2022, 105, 6670-6692.	3.4	7
10	Differing planes of pre- and postweaning phase nutrition in Holstein heifers: II. Effects on circulating leptin, luteinizing hormone, and age at puberty. Journal of Dairy Science, 2021, 104, 1153-1163.	3.4	9
11	Effects of Energy Supply from Roughage and Concentrates and the Occurrence of Subclinical Ketosis on Blood Chemistry and Liver Health in Lactating Dairy Cows during Early Lactation. Dairy, 2021, 2, 25-39.	2.0	3
12	Characteristics of the Oxidative Status in Dairy Calves Fed at Different Milk Replacer Levels and Weaned at 14 Weeks of Age. Antioxidants, 2021, 10, 260.	5.1	5
13	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
14	Targeted assessment of the metabolome in skeletal muscle and in serum of dairy cows supplemented with conjugated linoleic acid during early lactation. Journal of Dairy Science, 2021, 104, 5095-5109.	3.4	4
15	Muscle metabolome and adipose tissue mRNA expression of lipid metabolism-related genes in over-conditioned dairy cows differing in serum-metabotype. Scientific Reports, 2021, 11, 11106.	3.3	5
16	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
17	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
18	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

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19	Longitudinal changes in fatty acid metabolism and in the mitochondrial protein import system in overconditioned and normal conditioned cows: A transcriptional study using microfluidic quantitative PCR. Journal of Dairy Science, 2021, 104, 10338-10354.	3.4	8
20	Comparative proteome profiling in exosomes derived from porcine colostrum versus mature milk reveals distinct functional proteomes. Journal of Proteomics, 2021, 249, 104338.	2.4	18
21	Expression of specific signaling components related to muscle protein turnover and of branched-chain amino acid catabolic enzymes in muscle and adipose tissue of preterm and term calves. Journal of Dairy Science, 2021, 104, 11291-11305.	3.4	1
22	Effects of dietary l-carnitine supplementation on the response to an inflammatory challenge in mid-lactating dairy cows: Hepatic mRNA abundance of genes involved in fatty acid metabolism. Journal of Dairy Science, 2021, 104, 11193-11209.	3.4	6
23	Dietary l-carnitine Supplementation Modifies the Lipopolysaccharide-Induced Acute Phase Reaction in Dairy Cows. Animals, 2021, 11, 136.	2.3	10
24	Acute phase proteins and markers of oxidative status in water buffalos during the transition from late pregnancy to early lactation. Veterinary Immunology and Immunopathology, 2020, 228, 110113.	1.2	5
25	Effects of Low ï‰6:ï‰3 Ratio in Sow Diet and Seaweed Supplement in Piglet Diet on Performance, Colostrum and Milk Fatty Acid Profiles, and Oxidative Status. Animals, 2020, 10, 2049.	2.3	14
26	Maize and Grass Silage Feeding to Dairy Cows Combined with Different Concentrate Feed Proportions with a Special Focus on Mycotoxins, Shiga Toxin (stx)-Forming Escherichia coli and Clostridium botulinum Neurotoxin (BoNT) Genes: Implications for Animal Health and Food Safety. Dairy, 2020, 1, 91-125.	2.0	8
27	Oral exposure of pigs to the mycotoxin deoxynivalenol does not modulate the hepatic albumin synthesis during a LPS-induced acute-phase reaction. Innate Immunity, 2020, 26, 716-732.	2.4	5
28	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, .	0.5	9
29	Effects of Pre-Calving Body Condition and Different post partum Concentrate Feed Proportions on Immune-Associated and Hematological Parameters in Pluriparous Dairy Cows. Animals, 2020, 10, 2251.	2.3	0
30	Alterations of the acylcarnitine profiles in blood serum and in muscle from periparturient cows with normal or elevated body condition. Journal of Dairy Science, 2020, 103, 4777-4794.	3.4	9
31	Plasma proteomic profiling and pathway analysis of normal and overconditioned dairy cows during the transition from late pregnancy to early lactation. Journal of Dairy Science, 2020, 103, 4806-4821.	3.4	13
32	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
33	Short communication: Plasma concentration and tissue mRNA expression of haptoglobin in neonatal calves. Journal of Dairy Science, 2020, 103, 6684-6691.	3.4	4
34	Effects of a Dietary L-Carnitine Supplementation on Performance, Energy Metabolism and Recovery from Calving in Dairy Cows. Animals, 2020, 10, 342.	2.3	16
35	Proteasome activity and expression of mammalian target of rapamycin signaling factors in skeletal muscle of dairy cows supplemented with conjugated linoleic acids during early lactation. Journal of Dairy Science, 2020, 103, 2829-2846.	3.4	8
36	Metabolome profiling in skeletal muscle to characterize metabolic alterations in over-conditioned cows during the periparturient period. Journal of Dairy Science, 2020, 103, 3730-3744.	3.4	13

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37	Branched-chain amino acids: Abundance of their transporters and metabolizing enzymes in adipose tissue, skeletal muscle, and liver of dairy cows at high or normal body condition. Journal of Dairy Science, 2020, 103, 2847-2863.	3.4	22
38	Profiling of circulating microRNA and pathway analysis in normal- versus over-conditioned dairy cows during the dry period and early lactation. Journal of Dairy Science, 2020, 103, 9534-9547.	3.4	7
39	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
40	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
41	Discovery of different metabotypes in overconditioned dairy cows by means of machine learning. Journal of Dairy Science, 2020, 103, 9604-9619.	3.4	12
42	Short communication: Pro- and antioxidative indicators in serum of dairy cows during late pregnancy and early lactation: Testing the effects of parity, different dietary energy levels, and farm. Journal of Dairy Science, 2019, 102, 6672-6678.	3.4	11
43	International workshop on the biology of lactation in farm animals. Animal, 2019, 13, s1-s3.	3.3	1
44	Short communication: Adipocyte sizes in the digital fat pad and their relationship to body condition in dairy cows. Journal of Dairy Science, 2019, 102, 6551-6554.	3.4	8
45	Biogenic amines: Concentrations in serum and skeletal muscle from late pregnancy until early lactation in dairy cows with high versus normal body condition score. Journal of Dairy Science, 2019, 102, 6571-6586.	3.4	14
46	Mammalian target of rapamycin signaling and ubiquitin-proteasomeâ€“related gene expression in skeletal muscle of dairy cows with high or normal body condition score around calving. Journal of Dairy Science, 2019, 102, 11544-11560.	3.4	9
47	Metabolomics meets machine learning: Longitudinal metabolite profiling in serum of normal versus overconditioned cows and pathway analysis. Journal of Dairy Science, 2019, 102, 11561-11585.	3.4	50
48	Circulating adiponectin concentrations during the transition from pregnancy to lactation in high-yielding dairy cows: testing the effects of farm, parity, and dietary energy level in large animal numbers. Domestic Animal Endocrinology, 2019, 69, 1-12.	1.6	6
49	Changes in tissue abundance and activity of enzymes related to branched-chain amino acid catabolism in dairy cows during early lactation. Journal of Dairy Science, 2019, 102, 3556-3568.	3.4	16
50	Effects of a Change from an Indoor-Based Total Mixed Ration to a Rotational Pasture System Combined with a Moderate Concentrate Feed Supply on Immunological Cell and Blood Parameters of Dairy Cows. Veterinary Sciences, 2019, 6, 47.	1.7	2
51	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
52	Comparison of telomere lengths in leukocytes and in nasal and vaginal epithelial cells from Water Buffaloes (Bubalus bubalis) of different ages. Research in Veterinary Science, 2019, 124, 328-333.	1.9	4
53	Fibroblast growth factor-21 (FGF21) administration to early-lactating dairy cows. I. Effects on signaling and indices of insulin action. Journal of Dairy Science, 2019, 102, 11586-11596.	3.4	12
54	Comparison of performance and metabolism from late pregnancy to early lactation in dairy cows with elevated v. normal body condition at dry-off. Animal, 2019, 13, 1478-1488.	3.3	38

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55	Acylcarnitine profiles in serum and muscle of dairy cows receiving conjugated linoleic acids or a control fat supplement during early lactation. Journal of Dairy Science, 2019, 102, 754-767.	3.4	20
56	Plane of nutrition before and after 6 months of age in Holstein-Friesian bulls: II. Effects on metabolic and reproductive endocrinology and identification of physiological markers of puberty and sexual maturation. Journal of Dairy Science, 2018, 101, 3460-3475.	3.4	33
57	Influence of conjugated linoleic acids and vitamin E on biochemical, hematological, and immunological variables of dairy cows during the transition period. Journal of Dairy Science, 2018, 101, 1585-1600.	3.4	9
58	Proteomics and metabolomics characterizing the pathophysiology of adaptive reactions to the metabolic challenges during the transition from late pregnancy to early lactation in dairy cows. Journal of Proteomics, 2018, 178, 92-106.	2.4	60
59	Short communication: The association of adiponectin and leptin concentrations with prepartum dietary energy supply, parity, body condition, and postpartum hyperketonemia in transition dairy cows. Journal of Dairy Science, 2018, 101, 806-811.	3.4	6
60	PSI-18 Adiponectin serum concentrations in late pregnancy and early lactation in primiparous and multiparous Holstein dairy cows.. Journal of Animal Science, 2018, 96, 65-65.	0.5	0
61	PSVII-32 Profiling peripheral microRNA in normal- versus over-conditioned dairy cows during dry-off and early lactation.. Journal of Animal Science, 2018, 96, 357-357.	0.5	0
62	Lactation-related changes in tissue expression of PEDF in dairy cows. Domestic Animal Endocrinology, 2018, 64, 93-101.	1.6	5
63	Evaluation of inner teat morphology by using high-resolution ultrasound: Changes due to milking and establishment of measurement traits of the distal teat canal. Journal of Dairy Science, 2018, 101, 8417-8428.	3.4	15
64	Different milk feeding intensities during the first 4 weeks of rearing dairy calves: Part 3: Plasma metabolomics analysis reveals long-term metabolic imprinting in Holstein heifers. Journal of Dairy Science, 2018, 101, 8446-8460.	3.4	17
65	Short communication: Relationship between body condition score and plasma adipokines in early-lactating Holstein dairy cows. Journal of Dairy Science, 2018, 101, 8552-8558.	3.4	9
66	Feed-efficient pigs exhibit molecular patterns allowing a timely circulation of hormones and nutrients. Physiological Genomics, 2018, 50, 726-734.	2.3	9
67	Short Communication: Immunohistochemical localization of the immune cell marker CD68 in bovine adipose tissue: impact of tissue alterations and excessive fat accumulation in dairy cows. Veterinary Immunology and Immunopathology, 2017, 183, 45-48.	1.2	7
68	Relationship between serum adiponectin concentration, body condition score, and peripheral tissue insulin response of dairy cows during the dry period. Domestic Animal Endocrinology, 2017, 59, 100-104.	1.6	31
69	Cinnamon: does it hold its promises in cows? Using non-targeted blood serum metabolomics profiling to test the effects of feeding cinnamon to dairy cows undergoing lactation-induced insulin resistance. Metabolomics, 2017, 13, 1.	3.0	4
70	Different milk feeding intensities during the first 4 weeks of rearing in dairy calves: Part 1: Effects on performance and production from birth over the first lactation. Journal of Dairy Science, 2017, 100, 3096-3108.	3.4	34
71	Different milk feeding intensities during the first 4 weeks of rearing dairy calves: Part 2: Effects on the metabolic and endocrine status during calfhood and around the first lactation. Journal of Dairy Science, 2017, 100, 3109-3125.	3.4	17
72	Effects of body condition, monensin, and essential oils on ruminal lipopolysaccharide concentration, inflammatory markers, and endoplasmatic reticulum stress of transition dairy cows. Journal of Dairy Science, 2017, 100, 2751-2764.	3.4	11

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73	Endocrine and metabolic changes in transition dairy cows are affected by prepartum infusions of a serotonin precursor. Journal of Dairy Science, 2017, 100, 5050-5057.	3.4	36
74	Effect of breed, plane of nutrition and age on growth, scrotal development, metabolite concentrations and on systemic gonadotropin and testosterone concentrations following a GnRH challenge in young dairy bulls. Theriogenology, 2017, 96, 58-68.	2.1	27
75	Effect of increasing body condition on oxidative stress and mitochondrial biogenesis in subcutaneous adipose tissue depot of nonlactating dairy cows. Journal of Dairy Science, 2017, 100, 4976-4986.	3.4	13
76	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
77	Effect of hormonal and energy-related factors on plasma adiponectin in transition dairy cows. Journal of Dairy Science, 2017, 100, 9418-9427.	3.4	13
78	Validation of blood vitamin A concentrations in cattle: comparison of a new cow-side test (iCheckâ„¢) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	6
79	Plasma amino acids and metabolic profiling of dairy cows in response to a bolus duodenal infusion of leucine. PLoS ONE, 2017, 12, e0176647.	2.5	15
80	1088 mRNA abundance of steroid hormone metabolizing enzymes (17Î²-HSD isoforms and CYP19) in adipose tissue of dairy cows during the periparturient period. Journal of Animal Science, 2016, 94, 522-522.	0.5	0
81	Effects of largely different feeding intensities on serum insulin-like growth factor-1 concentrations, quantified by enzyme immunoassay, leptin and growth hormone receptorÂ1 mRNA in rainbow trout (Oncorhynchus mykiss). Aquaculture Nutrition, 2016, 22, 586-596.	2.7	1
82	Expression of metabolic sensing receptors in adipose tissues of periparturient dairy cows with differing extent of negative energy balance. Animal, 2016, 10, 623-632.	3.3	11
83	Endogenous and exogenous factors influencing the concentrations of adiponectin in body fluids and tissues inÂthe bovine. Domestic Animal Endocrinology, 2016, 56, S33-S43.	1.6	24
84	Insulin-dependent glucose metabolism in dairy cows with variable fat mobilization around calving. Journal of Dairy Science, 2016, 99, 6665-6679.	3.4	34
85	Metabotypes with properly functioning mitochondria and anti-inflammation predict extended productive life span in dairy cows. Scientific Reports, 2016, 6, 24642.	3.3	37
86	Effects of slow-release urea and rumen-protected methionine and histidine on mammalian target of rapamycin (mTOR) signaling and ubiquitin proteasome-related gene expression in skeletal muscle of dairy cows. Journal of Dairy Science, 2016, 99, 6702-6713.	3.4	19
87	Haematological and immunological adaptations of non-pregnant, non-lactating dairy cows to a high-energetic diet containing mycotoxins. Archives of Animal Nutrition, 2016, 70, 1-16.	1.8	8
88	Short communication: Telomere lengths in different tissues of dairy cows during early and late lactation. Journal of Dairy Science, 2016, 99, 4881-4885.	3.4	16
89	Longitudinal changes in adipose tissue of dairy cows from late pregnancy to lactation. Part 1: The adipokines apelin and resistin and their relationship to receptors linked with lipolysis. Journal of Dairy Science, 2016, 99, 1549-1559.	3.4	23
90	Longitudinal changes in adipose tissue of dairy cows from late pregnancy to lactation. Part 2: The SIRT-PPARGC1A axis and its relationship with the adiponectin system. Journal of Dairy Science, 2016, 99, 1560-1570.	3.4	14

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91	Mitochondrial DNA copy number and biogenesis in different tissues of early- and late-lactating dairy cows. Journal of Dairy Science, 2016, 99, 1571-1583.	3.4	38
92	Detection of 11 betaâ€hydroxysteroid dehydrogenase type 1, the glucocorticoid and mineralocorticoid receptor in various adipose tissue depots of dairy cows supplemented with conjugated linoleic acids. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 950-961.	2.2	3
93	Effects of Fusarium mycotoxins in rations with different concentrate proportions on serum haptoglobin and hepatocellular integrity in lactating dairy cows. Journal of Animal Physiology and Animal Nutrition, 2015, 99, 887-892.	2.2	6
94	Feed restriction and realimentation in Holsteinâ€“Friesian bulls: II. Effect on blood pressure and systemic concentrations of metabolites and metabolic hormones1. Journal of Animal Science, 2015, 93, 3590-3601.	0.5	31
95	Insulin Sensitivity in Adipose and Skeletal Muscle Tissue of Dairy Cows in Response to Dietary Energy Level and 2,4-Thiazolidinedione (TZD). PLoS ONE, 2015, 10, e0142633.	2.5	35
96	Hepatic glucocorticoid and Î±1- and Î²2-adrenergic receptors in calves change during neonatal maturation and are related to energy regulation. Journal of Dairy Science, 2015, 98, 1046-1056.	3.4	5
97	Expression of Î±1-acid glycoprotein and lipopolysaccharide binding protein in visceral and subcutaneous adipose tissue of dairy cattle. Veterinary Journal, 2015, 203, 223-227.	1.7	12
98	Effect of increasing body condition on key regulators of fat metabolism in subcutaneous adipose tissue depot and circulation of nonlactating dairy cows. Journal of Dairy Science, 2015, 98, 1057-1068.	3.4	32
99	Effects of elevated parameters of subclinical ketosis on the immune system of dairy cows:in vivoandin vitroresults. Archives of Animal Nutrition, 2015, 69, 113-127.	1.8	24
100	Short communication: Localization and expression of monocyte chemoattractant protein-1 in different subcutaneous and visceral adipose tissues of early-lactating dairy cows. Journal of Dairy Science, 2015, 98, 6278-6283.	3.4	4
101	Tocopherols and tocotrienols in serum and liver of dairy cows receiving conjugated linoleic acids or a control fat supplement during early lactation. Journal of Dairy Science, 2015, 98, 7034-7043.	3.4	7
102	The rapid increase of circulating adiponectin in neonatal calves depends on colostrum intake. Journal of Dairy Science, 2015, 98, 7044-7051.	3.4	18
103	Effects of an energy-dense diet and nicotinic acid supplementation on production and metabolic variables of primiparous or multiparous cows in periparturient period. Archives of Animal Nutrition, 2015, 69, 319-339.	1.8	22
104	Characterization of adiponectin concentrations and molecular weight forms in serum, seminal plasma, and ovarian follicular fluid from cattle. Theriogenology, 2015, 83, 326-333.	2.1	15
105	Effects of Inhibiting Dipeptidyl Peptidase-4 (DPP4) in Cows with Subclinical Ketosis. PLoS ONE, 2015, 10, e0136078.	2.5	4
106	Longitudinal Profiling of the Tissue-Specific Expression of Genes Related with Insulin Sensitivity in Dairy Cows during Lactation Focusing on Different Fat Depots. PLoS ONE, 2014, 9, e86211.	2.5	52
107	Description of a bovine model for studying digestive and metabolic effects of a positive energy balance not biased by lactation or gravidity. Archives of Animal Nutrition, 2014, 68, 460-477.	1.8	13
108	Trans-Cinnamic Acid Increases Adiponectin and the Phosphorylation of AMP-Activated Protein Kinase through G-Protein-Coupled Receptor Signaling in 3T3-L1 Adipocytes. International Journal of Molecular Sciences, 2014, 15, 2906-2915.	4.1	42

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109	Nicotinic Acid Increases Adiponectin Secretion from Differentiated Bovine Preadipocytes through G-Protein Coupled Receptor Signaling. International Journal of Molecular Sciences, 2014, 15, 21401-21418.	4.1	33
110	Short communication: Circulating and milk adiponectin change differently during energy deficiency at different stages of lactation in dairy cows. Journal of Dairy Science, 2014, 97, 1535-1542.	3.4	35
111	Lactation driven dynamics of adiponectin supply from different fat depots to circulation in cows. Domestic Animal Endocrinology, 2014, 47, 35-46.	1.6	21
112	Effects of colostrum versus formula feeding on hepatic glucocorticoid and Î±1- and Î²2-adrenergic receptors in neonatal calves and their effect on glucose and lipid metabolism. Journal of Dairy Science, 2014, 97, 6344-6357.	3.4	18
113	Supplementation with conjugated linoleic acids extends the adiponectin deficit during early lactation in dairy cows. General and Comparative Endocrinology, 2014, 198, 13-21.	1.8	27
114	Energy and metabolic sensing G proteinâ€“coupled receptors during lactation-induced changes in energy balance. Domestic Animal Endocrinology, 2014, 48, 33-41.	1.6	19
115	Applicability of a Spectrophotometric Method for Assessment of Oxidative Stress in Poultry. Macedonian Veterinary Review, 2014, 37, 43-47.	0.4	14
116	Loss of FADS2 Function Severely Impairs the Use of HeLa Cells as an In Vitro Model for Host Response Studies Involving Fatty Acid Effects. PLoS ONE, 2014, 9, e115610.	2.5	9
117	Increased muscle fatty acid oxidation in dairy cows with intensive body fat mobilization during early lactation. Journal of Dairy Science, 2013, 96, 6449-6460.	3.4	43
118	Development, validation, and pilot application of a semiquantitative Western blot analysis and an ELISA for bovine adiponectin. Domestic Animal Endocrinology, 2013, 44, 121-130.	1.6	55
119	Concentrations of hormones and metabolites in cerebrospinal fluid and plasma of dairy cows during the periparturient period. Journal of Dairy Science, 2013, 96, 2883-2893.	3.4	21
120	Short communication: Aquaporin-7 mRNA in adipose depots of primiparous and pluriparous dairy cows: Long-term physiological and conjugated linoleic acid-induced changes. Journal of Dairy Science, 2013, 96, 4508-4513.	3.4	3
121	Characterization of the dynamics of fat cell turnover in different bovine adipose tissue depots. Research in Veterinary Science, 2013, 95, 1142-1150.	1.9	14
122	Hepatic and extrahepatic expression of serum amyloid A3 during lactation in dairy cows. Journal of Dairy Science, 2013, 96, 6944-6954.	3.4	11
123	Reduced AgRP activation in the hypothalamus of cows with high extent of fat mobilization after parturition. General and Comparative Endocrinology, 2013, 193, 167-177.	1.8	15
124	A Monoclonal Antibody Against Bovine Adiponectin. Hybridoma, 2012, 31, 465-468.	0.4	6
125	Immunohistochemical characterization of phagocytic immune cell infiltration into different adipose tissue depots of dairy cows during early lactation. Journal of Dairy Science, 2012, 95, 3032-3044.	3.4	33
126	Bovine haptoglobin as an adipokine: Serum concentrations and tissue expression in dairy cows receiving a conjugated linoleic acids supplement throughout lactation. Veterinary Immunology and Immunopathology, 2012, 146, 201-211.	1.2	51

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127	Acute phase proteins in ruminants. Journal of Proteomics, 2012, 75, 4207-4231.	2.4	392
128	Technical note: Identification of reference genes for gene expression studies in different bovine tissues focusing on different fat depots. Journal of Dairy Science, 2012, 95, 3131-3138.	3.4	87
129	Intrauterine Growth Retarded Progeny of Pregnant Sows Fed High Protein:Low Carbohydrate Diet Is Related to Metabolic Energy Deficit. PLoS ONE, 2012, 7, e31390.	2.5	33
130	Differential effects of propionate or Î²â€hydroxybutyrate on genes related to energy balance and insulin sensitivity in bovine white adipose tissue explants from a subcutaneous and a visceral depot¹. Journal of Animal Physiology and Animal Nutrition, 2012, 96, 570-580.	2.2	22
131	Transfer of maternal haptoglobin to suckling piglets. Veterinary Immunology and Immunopathology, 2011, 144, 104-110.	1.2	16
132	Physiological and conjugated linoleic acid-induced changes of adipocyte size in different fat depots of dairy cows during early lactation. Journal of Dairy Science, 2011, 94, 2871-2882.	3.4	44
133	Grazing lucerne as fattening management for young bulls: technical and economic performance and diet authentication. Animal, 2011, 5, 113-122.	3.3	16
134	In vivo oocyte developmental competence is reduced in lean but not in obese superovulated dairy cows after intraovarian administration of IGF1. Reproduction, 2011, 142, 41-52.	2.6	23
135	ORIGINAL ARTICLE: Putative reference genes for gene expression studies in propionate and Î²-hydroxybutyrate treated bovine adipose tissue explants. Journal of Animal Physiology and Animal Nutrition, 2010, 94, e178-e184.	2.2	31
136	Transition period-related changes in the abundance of the mRNAs of adiponectin and its receptors, of visfatin, and of fatty acid binding receptors in adipose tissue of high-yielding dairy cows. Domestic Animal Endocrinology, 2009, 37, 37-44.	1.6	64
137	Effects of early weaning and breed on calf performance and carcass and meat quality in autumn-born bull calves. Livestock Science, 2009, 120, 103-115.	1.6	32
138	Leptin mRNA and Protein Immunoreactivity in Adipose Tissue and Liver of Rainbow Trout (Oncorhynchus mykiss) and Immunohistochemical Localization in Liver. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2009, 38, 406-410.	0.7	27
139	Metabolism and lactation performance in dairy cows fed a diet containing rumen-protected fat during the last twelve weeks of gestation. Journal of Dairy Science, 2009, 92, 1670-1684.	3.4	70
140	Short communication: Relationship between metabolic status and the milk concentrations of haptoglobin and lactoferrin in dairy cows during early lactation. Journal of Dairy Science, 2009, 92, 4439-4443.	3.4	40
141	Lactoferrin concentrations in goat milk throughout lactation. Small Ruminant Research, 2008, 80, 87-90.	1.2	37
142	Effects of pre-weaning concentrate feeding on calf performance, carcass and meat quality of autumn-born bull calves weaned at 90 or 150 days of age. Animal, 2008, 2, 779-789.	3.3	24
143	Individual variability in physiological adaptation to metabolic stress during early lactation in dairy cows kept under equal conditions. Journal of Animal Science, 2008, 86, 2903-2912.	0.5	118
144	Short Communication: Cellular Localization of Haptoglobin mRNA in the Experimentally Infected Bovine Mammary Gland. Journal of Dairy Science, 2007, 90, 1215-1219.	3.4	32

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145	Evaluation of classification modes potentially suitable to identify metabolic stress in healthy dairy cows during the peripartal period1. Journal of Animal Science, 2007, 85, 1923-1932.	0.5	59
146	Effects of a dietary application of a yeast cell wall extract on innate and acquired immunity, on oxidative status and growth performance in weanling piglets and on the ileal epithelium in fattened pigs. Journal of Animal Physiology and Animal Nutrition, 2007, 91, 369-380.	2.2	62
147	Plasma leptin in growing lambs as a potential predictor for carcass composition and daily gain. Meat Science, 2006, 74, 600-604.	5.5	14
148	The relationships between leptin concentrations and body fat reserves in lambs are reduced by short-term fasting. Journal of Animal Physiology and Animal Nutrition, 2006, 90, 407-413.	2.2	9
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