Theresa M Casey

List of Publications by Year
in descending order

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78 papers	2,315 citations	471509 17 h-index	214800 47 g-index
81 all docs	81 docs citations	81 times ranked	3679 citing authors

#	Article	IF	Citations
1	Circadian clocks and their role in lactation competence. Domestic Animal Endocrinology, 2022, 78, 106680.	1.6	6
2	Relationship of cow and calf circulating lipidomes with colostrum lipid composition and metabolic status of the cow. Journal of Dairy Science, 2022, 105, 1768-1787.	3.4	4
3	Effect of circadian system disruption on the concentration and daily oscillations of cortisol, progesterone, melatonin, serotonin, growth hormone, and core body temperature in periparturient dairy cattle. Journal of Dairy Science, 2022, 105, 2651-2668.	3.4	9
4	Circadian clocks and their integration with metabolic and reproductive systems: our current understanding and its application to the management of dairy cows. Journal of Animal Science, 2022, 100, .	0.5	5
5	Chronic prepartum light-dark phase shifts in cattle disrupt circadian clocks, decrease insulin sensitivity and mammary development, and are associated with lower milk yield through 60 days postpartum. Journal of Dairy Science, 2021, 104, 2422-2437.	3.4	17
6	Inclusion of Oat and Yeast Culture in Sow Gestational and Lactational Diets Alters Immune and Antimicrobial Associated Proteins in Milk. Animals, 2021, 11, 497.	2.3	3
7	From Reductionism to Reintegration: Solving societyâ€™s most pressing problems requires building bridges between data types across the life sciences. PLoS Biology, 2021, 19, e3001129.	5.6	6
8	PSV-7 Colostrum Intake Level Is Related to Level of Total Circulating Proteins and Essential Amino Acids. Journal of Animal Science, 2021, 99, 209-209.	0.5	0
9	49 Histomorphic Analysis of the Effect of Day and Level of Colostrum Intake on Jejunum Development. Journal of Animal Science, 2021, 99, 153-153.	0.5	0
10	240 Research Model of Colostrum Intake to Study Effect of Colostrum Bioactive Factors on Piglets Development. Journal of Animal Science, 2021, 99, 138-139.	0.5	0
11	55 Sow Milk Lipidome Study Reveals Changes in Fatty Acyl Residues in Triglycerides and Phosphatidylglycerol, but Not in Plasma Membrane Phospholipids Across Lactation. Journal of Animal Science, 2021, 99, 152-153.	0.5	0
12	Biomarkers predictive of long-term fertility found in vaginal lipidome of gilts at weaning. Journal of Animal Science, 2021, 99, .	0.5	2
13	Impact of Exposure to Chronic Lightâ€“Dark Phase Shifting Circadian Rhythm Disruption on Muscle Proteome in Periparturient Dairy Cows. Proteomes, 2021, 9, 35.	3.5	3
14	Relative Late Gestational Muscle and Adipose Thickness Reflect the Amount of Mobilization of These Tissues in Periparturient Dairy Cattle. Animals, 2021, 11, 2157.	2.3	5
15	Physiological state and photoperiod exposures differentially influence circadian rhythms of body temperature and prolactin and relate to changes in mammary PER1 expression in late pregnant and early lactation dairy goats. Small Ruminant Research, 2021, 200, 106394.	1.2	3
16	Core circadian clock transcription factor BMAL1 regulates mammary epithelial cell growth, differentiation, and milk component synthesis. PLoS ONE, 2021, 16, e0248199.	2.5	7
17	Changes in sow milk lipidome across lactation occur in fatty acyl residues of triacylglycerol and phosphatidylglycerol lipids, but not in plasma membrane phospholipids. Animal, 2021, 15, 100280.	3.3	12
18	Shotgun proteomics of homogenate milk reveals dynamic changes in protein abundances between colostrum, transitional, and mature milk of swine. Journal of Animal Science, 2021, 99, .	0.5	2

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19	Mammary Development in Gilts at One Week Postnatal Is Related to Plasma Lysine Concentration at 24 h after Birth, but Not Colostrum Dose. Animals, 2021, 11, 2867.	2.3	1
20	Transcriptome analysis reveals disruption of circadian rhythms in late gestation dairy cows may increase risk for fatty liver and reduced mammary remodeling. Physiological Genomics, 2021, 53, 441-455.	2.3	6
21	Genomewide Association Analyses of Lactation Persistency and Milk Production Traits in Holstein Cattle Based on Imputed Whole-Genome Sequence Data. Genes, 2021, 12, 1830.	2.4	39
22	Mammary transcriptome reveals cell maintenance and protein turnover support milk synthesis in early-lactation cows. Physiological Genomics, 2020, 52, 435-450.	2.3	5
23	Shotgun proteome analysis of seminal plasma differentiate boars by reproductive performance. Theriogenology, 2020, 157, 130-139.	2.1	10
24	One-to-one relationships between milk miRNA content and protein abundance in neonate duodenum support the potential for milk miRNAs regulating neonate development. Functional and Integrative Genomics, 2020, 20, 645-656.	3.5	3
25	High-fat-diet induced obesity increases the proportion of linoleic acyl residues in dam serum and milk and in suckling neonate circulation. Biology of Reproduction, 2020, 103, 736-749.	2.7	11
26	Pregnancy rest-activity patterns are related to salivary cortisol rhythms and maternal-fetal health indicators in women from a disadvantaged population. PLoS ONE, 2020, 15, e0229567.	2.5	10
27	Exposure to chronic lightâ€“dark phase shifts during the prepartum nonlactating period attenuates circadian rhythms, decreases blood glucose, and increases milk yield in the subsequent lactation. Journal of Dairy Science, 2020, 103, 2784-2799.	3.4	10
28	A standardized model to study effects of varying 24-h colostrum dose on postnatal growth and development. Translational Animal Science, 2020, 4, txaa212.	1.1	5
29	Evaluation of on-farm indicators of gilt reproductive performance potential at 21 days of age1. Translational Animal Science, 2020, 4, txaa210.	1.1	5
30	27 Shotgun proteomics reveal seminal plasma proteomes are reflective of boar reproductive performance. Journal of Animal Science, 2020, 98, 115-115.	0.5	0
31	Title is missing!. , 2020, 15, e0229567.		0
32	Title is missing!. , 2020, 15, e0229567.		0
33	Title is missing!. , 2020, 15, e0229567.		0
34	Title is missing!. , 2020, 15, e0229567.		0
35	Lipidome profiles of postnatal day 2 vaginal swabs reflect fat composition of giltâ€™s postnatal diet. PLoS ONE, 2019, 14, e0215186.	2.5	12
36	Temporal analysis of vaginal proteome reveals developmental changes in lower reproductive tract of gilts across the first two weeks postnatal. Scientific Reports, 2019, 9, 13241.	3.3	5

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37	Profiling solute-carrier transporters in key metabolic tissues during the postpartum evolution of mammary epithelial cells from nonsecretory to secretory. Physiological Genomics, 2019, 51, 539-552.	2.3	9
38	Maternal high-fat diet exposure during gestation, lactation, or gestation and lactation differentially affects intestinal morphology and proteome of neonatal mice. Nutrition Research, 2019, 66, 48-60.	2.9	11
39	Delayed Lactogenesis II is Associated With Lower Sleep Efficiency and Greater Variation in Nightly Sleep Duration in the Third Trimester. Journal of Human Lactation, 2019, 35, 713-724.	1.6	12
40	Relationship Between Sleep Quality, Depression Symptoms, and Blood Glucose in Pregnant Women. Western Journal of Nursing Research, 2019, 41, 1222-1240.	1.4	19
41	Analysis of the relationship of blood metabolites with white blood cells in periparturient dairy cattle. Journal of Student Research, 2019, 8, .	0.1	1
42	Diet Impacts Pre-implantation Histotroph Proteomes in Beef Cattle. Journal of Proteome Research, 2018, 17, 2144-2155.	3.7	7
43	The potential of identifying replacement gilts by screening for lipid biomarkers in reproductive tract swabs taken at weaning. Journal of Applied Animal Research, 2018, 46, 667-676.	1.2	16
44	Mammary core clock gene expression is impacted by photoperiod exposure during the dry period in goats. Journal of Applied Animal Research, 2018, 46, 1214-1219.	1.2	6
45	Global transcriptional differences in myokine and inflammatory genes in muscle of mature steer progeny are related to maternal lactation diet and muscle composition. Physiological Genomics, 2018, 50, 884-892.	2.3	2
46	Effect of high-fat diet on secreted milk transcriptome in midlactation mice. Physiological Genomics, 2017, 49, 747-762.	2.3	37
47	Serotoninergic and Circadian Systems: Driving Mammary Gland Development and Function. Frontiers in Physiology, 2016, 7, 301.	2.8	14
48	CLOCK regulates mammary epithelial cell growth and differentiation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 311, R1125-R1134.	1.8	20
49	1125 Photoperiod manipulations during the dry period significantly impact mammary circadian clock in goats. Journal of Animal Science, 2016, 94, 540-540.	0.5	0
50	Does Circadian Disruption Play a Role in the MetabolicÃ¢â‚¬â€œHormonal Link to Delayed Lactogenesis II?. Frontiers in Nutrition, 2015, 2, 4.	3.7	15
51	Transcriptomes reveal alterations in gravity impact circadian clocks and activate mechanotransduction pathways with adaptation through epigenetic change. Physiological Genomics, 2015, 47, 113-128.	2.3	28
52	Continuously Changing Light-Dark Phase Decreases Milk Yield, Fat, Protein and Lactose in Dairy Cows. Journal of Advances in Dairy Research, 2015, 02, .	0.5	4
53	Circadian rhythms of ewes suckling singletons versus twins during the second week of lactation. Bios, 2014, 85, 207-217.	0.0	6
54	Tissue-Specific Changes in Molecular Clocks During the Transition from Pregnancy to Lactation in Mice1. Biology of Reproduction, 2014, 90, 127.	2.7	38

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55	LACTATION BIOLOGY SYMPOSIUM: Circadian clocks as mediators of the homeorhetic response to lactation1. Journal of Animal Science, 2012, 90, 744-754.	0.5	36
56	Does the circadian system regulate lactation?. Animal, 2012, 6, 394-402.	3.3	35
57	Hypergravity disruption of homeorhetic adaptations to lactation in rat dams include changes in circadian clocks. Biology Open, 2012, 1, 570-581.	1.2	12
58	Effects of transforming growth factor-Î² on mammary remodeling during the dry period of dairy cows. Journal of Dairy Science, 2011, 94, 6036-6046.	3.4	11
59	Homeorhetic adaptation to lactation: comparative transcriptome analysis of mammary, liver, and adipose tissue during the transition from pregnancy to lactation in rats. Functional and Integrative Genomics, 2011, 11, 193-202.	3.5	23
60	Transcriptome Analysis of Epithelial and Stromal Contributions to Mammogenesis in Three Week Prepartum Cows. PLoS ONE, 2011, 6, e22541.	2.5	15
61	Characterization of mammary stromal remodeling during the dry period. Journal of Dairy Science, 2010, 93, 2433-2443.	3.4	28
62	Molecular Signatures Reveal Circadian Clocks May Orchestrate the Homeorhetic Response to Lactation. PLoS ONE, 2009, 4, e7395.	2.5	36
63	Molecular signatures suggest a major role for stromal cells in development of invasive breast cancer. Breast Cancer Research and Treatment, 2009, 114, 47-62.	2.5	197
64	The Genome Sequence of Taurine Cattle: A Window to Ruminant Biology and Evolution. Science, 2009, 324, 522-528.	12.6	1,038
65	The bovine lactation genome: insights into the evolution of mammalian milk. Genome Biology, 2009, 10, R43.	9.6	164
66	Cancer associated fibroblasts stimulated by transforming growth factor beta1 (TGF-Î²1) increase invasion rate of tumor cells: a population study. Breast Cancer Research and Treatment, 2008, 110, 39-49.	2.5	112
67	Mammary Epithelial Cells Treated Concurrently with TGF-Î± and TGF-Î² Exhibit Enhanced Proliferation and Death. Experimental Biology and Medicine, 2007, 232, 1027-1040.	2.4	14
68	In a hypergravity environment neonatal survival is adversely affected by alterations in dam tissue metabolism rather than reduced food intake. Journal of Applied Physiology, 2007, 102, 2186-2193.	2.5	15
69	The Role of Glucocorticoids in Secretory Activation and Milk Secretion, a Historical Perspective. Journal of Mammary Gland Biology and Neoplasia, 2007, 12, 293-304.	2.7	58
70	Higher Stromal Expression of Transforming Growth Factor-beta Type II Receptors is Associated with Poorer Prognosis Breast Tumors. Breast Cancer Research and Treatment, 2003, 79, 149-159.	2.5	33
71	Effect of Transforming Growth Factor-beta (TGF-Î²) on Mammary Development. Journal of Dairy Science, 2003, 86, E16-E27.	3.4	8
72	Women and Minorities in Animal Science: Do Issues Exist?. Journal of Dairy Science, 2003, 86, E35-E46.	3.4	1

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73	Glucocorticoids Maintain the Extracellular Matrix of Differentiated Mammary Tissue During Explant and Whole Organ Culture. Proceedings of the Society for Experimental Biology and Medicine, 2000, 224, 76-86.	1.8	6
74	Glucocorticoids Maintain the Extracellular Matrix of Differentiated Mammary Tissue During Explant and Whole Organâ€ƒCulture. Proceedings of the Society for Experimental Biology and Medicine, 2000, 224, 76-86.	1.8	0
75	The Effects of Spaceflight on Mammary Metabolism in Pregnantâ€ƒRats. Proceedings of the Society for Experimental Biology and Medicine, 1999, 222, 85-89.	1.8	3
76	Estrogen Affects Development of Alveolar Structures in Whole-Organ Culture of Mouse Mammary Glands. Biochemical and Biophysical Research Communications, 1997, 232, 340-344.	2.1	9
77	INVOLUTION OF MOUSE MAMMARY GLANDS DURING WHOLE ORGAN CULTURE OCCURS VIA APOPTOSIS OF EPITHELIAL TISSUE. Cell Biology International, 1996, 20, 763-767.	3.0	10
78	Integration of a gene marker into mouse mammary glands during whole organ culture. Cytotechnology, 1995, 17, 251-256.	0.7	0