

# Theresa M Casey

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6623380/publications.pdf>

Version: 2024-02-01

78  
papers

2,315  
citations

471061

17  
h-index

214527

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. <i>Domestic Animal Endocrinology</i> , 2022, 78, 106680.   | 0.8 | 6         |
| 2  | Relationship of cow and calf circulating lipidomes with colostrum lipid composition and metabolic status of the cow. <i>Journal of Dairy Science</i> , 2022, 105, 1768-1787.  | 1.4 | 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. <i>Journal of Dairy Science</i> , 2022, 105, 2651-2668.              | 1.4 | 9         |
| 4  | Circadian clocks and their integration with metabolic and reproductive systems: our current understanding and its application to the management of dairy cows. <i>Journal of Animal Science</i> , 2022, 100, .  | 0.2 | 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. <i>Journal of Dairy Science</i> , 2021, 104, 2422-2437.                  | 1.4 | 17        |
| 6  | Inclusion of Oat and Yeast Culture in Sow Gestational and Lactational Diets Alters Immune and Antimicrobial Associated Proteins in Milk. <i>Animals</i> , 2021, 11, 497.  | 1.0 | 3         |
| 7  | From Reductionism to Reintegration: Solving society's most pressing problems requires building bridges between data types across the life sciences. <i>PLoS Biology</i> , 2021, 19, e3001129.   | 2.6 | 6         |
| 8  | PSV-7 Colostrum Intake Level Is Related to Level of Total Circulating Proteins and Essential Amino Acids. <i>Journal of Animal Science</i> , 2021, 99, 209-209.   | 0.2 | 0         |
| 9  | 49 Histomorphologic Analysis of the Effect of Day and Level of Colostrum Intake on Jejunum Development. <i>Journal of Animal Science</i> , 2021, 99, 153-153.   | 0.2 | 0         |
| 10 | 240 Research Model of Colostrum Intake to Study Effect of Colostrum Bioactive Factors on Piglets Development. <i>Journal of Animal Science</i> , 2021, 99, 138-139.   | 0.2 | 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. <i>Journal of Animal Science</i> , 2021, 99, 152-153.   | 0.2 | 0         |
| 12 | Biomarkers predictive of long-term fertility found in vaginal lipidome of gilts at weaning. <i>Journal of Animal Science</i> , 2021, 99, .  | 0.2 | 2         |
| 13 | Impact of Exposure to Chronic Light-Dark Phase Shifting Circadian Rhythm Disruption on Muscle Proteome in Periparturient Dairy Cows. <i>Proteomes</i> , 2021, 9, 35.  | 1.7 | 3         |
| 14 | Relative Late Gestational Muscle and Adipose Thickness Reflect the Amount of Mobilization of These Tissues in Periparturient Dairy Cattle. <i>Animals</i> , 2021, 11, 2157.   | 1.0 | 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. <i>Small Ruminant Research</i> , 2021, 200, 106394. | 0.6 | 3         |
| 16 | Core circadian clock transcription factor BMAL1 regulates mammary epithelial cell growth, differentiation, and milk component synthesis. <i>PLoS ONE</i> , 2021, 16, e0248199.  | 1.1 | 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. <i>Animal</i> , 2021, 15, 100280.  | 1.3 | 12        |
| 18 | Shotgun proteomics of homogenate milk reveals dynamic changes in protein abundances between colostrum, transitional, and mature milk of swine. <i>Journal of Animal Science</i> , 2021, 99, .   | 0.2 | 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. <i>Animals</i> , 2021, 11, 2867.  | 1.0 | 1         |
| 20 | Transcriptome analysis reveals disruption of circadian rhythms in late gestation dairy cows may increase risk for fatty liver and reduced mammary remodeling. <i>Physiological Genomics</i> , 2021, 53, 441-455.  | 1.0 | 6         |
| 21 | Genomewide Association Analyses of Lactation Persistency and Milk Production Traits in Holstein Cattle Based on Imputed Whole-Genome Sequence Data. <i>Genes</i> , 2021, 12, 1830.  | 1.0 | 39        |
| 22 | Mammary transcriptome reveals cell maintenance and protein turnover support milk synthesis in early-lactation cows. <i>Physiological Genomics</i> , 2020, 52, 435-450.  | 1.0 | 5         |
| 23 | Shotgun proteome analysis of seminal plasma differentiate boars by reproductive performance. <i>Theriogenology</i> , 2020, 157, 130-139.  | 0.9 | 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. <i>Functional and Integrative Genomics</i> , 2020, 20, 645-656.                       | 1.4 | 3         |
| 25 | High-fat-diet induced obesity increases the proportion of linoleic acyl residues in dam serum and milk and in suckling neonate circulation. <i>Biology of Reproduction</i> , 2020, 103, 736-749.  | 1.2 | 11        |
| 26 | Pregnancy rest-activity patterns are related to salivary cortisol rhythms and maternal-fetal health indicators in women from a disadvantaged population. <i>PLoS ONE</i> , 2020, 15, e0229567.  | 1.1 | 10        |
| 27 | Exposure to chronic light-dark phase shifts during the prepartum nonlactating period attenuates circadian rhythms, decreases blood glucose, and increases milk yield in the subsequent lactation. <i>Journal of Dairy Science</i> , 2020, 103, 2784-2799. | 1.4 | 10        |
| 28 | A standardized model to study effects of varying 24-h colostrum dose on postnatal growth and development. <i>Translational Animal Science</i> , 2020, 4, txa212.  | 0.4 | 5         |
| 29 | Evaluation of on-farm indicators of gilt reproductive performance potential at 21 days of age1. <i>Translational Animal Science</i> , 2020, 4, txa210.  | 0.4 | 5         |
| 30 | 27 Shotgun proteomics reveal seminal plasma proteomes are reflective of boar reproductive performance. <i>Journal of Animal Science</i> , 2020, 98, 115-115.  | 0.2 | 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 gilt's postnatal diet. <i>PLoS ONE</i> , 2019, 14, e0215186.  | 1.1 | 12        |
| 36 | Temporal analysis of vaginal proteome reveals developmental changes in lower reproductive tract of gilts across the first two weeks postnatal. <i>Scientific Reports</i> , 2019, 9, 13241.  | 1.6 | 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. <i>Physiological Genomics</i> , 2019, 51, 539-552.            | 1.0 | 9         |
| 38 | Maternal high-fat diet exposure during gestation, lactation, or gestation and lactation differentially affects intestinal morphology and proteome of neonatal mice. <i>Nutrition Research</i> , 2019, 66, 48-60.         | 1.3 | 11        |
| 39 | Delayed Lactogenesis II is Associated With Lower Sleep Efficiency and Greater Variation in Nightly Sleep Duration in the Third Trimester. <i>Journal of Human Lactation</i> , 2019, 35, 713-724.                         | 0.8 | 12        |
| 40 | Relationship Between Sleep Quality, Depression Symptoms, and Blood Glucose in Pregnant Women. <i>Western Journal of Nursing Research</i> , 2019, 41, 1222-1240.  | 0.6 | 19        |
| 41 | Analysis of the relationship of blood metabolites with white blood cells in periparturient dairy cattle. <i>Journal of Student Research</i> , 2019, 8, .   | 0.0 | 1         |
| 42 | Diet Impacts Pre-implantation Histotroph Proteomes in Beef Cattle. <i>Journal of Proteome Research</i> , 2018, 17, 2144-2155.  | 1.8 | 7         |
| 43 | The potential of identifying replacement gilts by screening for lipid biomarkers in reproductive tract swabs taken at weaning. <i>Journal of Applied Animal Research</i> , 2018, 46, 667-676.                            | 0.4 | 16        |
| 44 | Mammary core clock gene expression is impacted by photoperiod exposure during the dry period in goats. <i>Journal of Applied Animal Research</i> , 2018, 46, 1214-1219.  | 0.4 | 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. <i>Physiological Genomics</i> , 2018, 50, 884-892. | 1.0 | 2         |
| 46 | Effect of high-fat diet on secreted milk transcriptome in midlactation mice. <i>Physiological Genomics</i> , 2017, 49, 747-762.  | 1.0 | 37        |
| 47 | Serotonergic and Circadian Systems: Driving Mammary Gland Development and Function. <i>Frontiers in Physiology</i> , 2016, 7, 301.   | 1.3 | 14        |
| 48 | CLOCK regulates mammary epithelial cell growth and differentiation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 311, R1125-R1134.                                  | 0.9 | 20        |
| 49 | 1125 Photoperiod manipulations during the dry period significantly impact mammary circadian clock in goats. <i>Journal of Animal Science</i> , 2016, 94, 540-540.  | 0.2 | 0         |
| 50 | Does Circadian Disruption Play a Role in the Metabolic-Hormonal Link to Delayed Lactogenesis II?. <i>Frontiers in Nutrition</i> , 2015, 2, 4.  | 1.6 | 15        |
| 51 | Transcriptomes reveal alterations in gravity impact circadian clocks and activate mechanotransduction pathways with adaptation through epigenetic change. <i>Physiological Genomics</i> , 2015, 47, 113-128.             | 1.0 | 28        |
| 52 | Continuously Changing Light-Dark Phase Decreases Milk Yield, Fat, Protein and Lactose in Dairy Cows. <i>Journal of Advances in Dairy Research</i> , 2015, 02, .  | 0.5 | 4         |
| 53 | Circadian rhythms of ewes suckling singletons versus twins during the second week of lactation. <i>Bios</i> , 2014, 85, 207-217.   | 0.0 | 6         |
| 54 | Tissue-Specific Changes in Molecular Clocks During the Transition from Pregnancy to Lactation in Mice. <i>1. Biology of Reproduction</i> , 2014, 90, 127.  | 1.2 | 38        |

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|----|--|------|-----------|
| 55 | LACTATION BIOLOGY SYMPOSIUM: Circadian clocks as mediators of the homeorhetic response to lactation <sup>1</sup> . <i>Journal of Animal Science</i> , 2012, 90, 744-754.   | 0.2  | 36        |
| 56 | Does the circadian system regulate lactation?. <i>Animal</i> , 2012, 6, 394-402.   | 1.3  | 35        |
| 57 | Hypergravity disruption of homeorhetic adaptations to lactation in rat dams include changes in circadian clocks. <i>Biology Open</i> , 2012, 1, 570-581.   | 0.6  | 12        |
| 58 | Effects of transforming growth factor- $\beta$ 2 on mammary remodeling during the dry period of dairy cows. <i>Journal of Dairy Science</i> , 2011, 94, 6036-6046.   | 1.4  | 11        |
| 59 | Homeorhetic adaptation to lactation: comparative transcriptome analysis of mammary, liver, and adipose tissue during the transition from pregnancy to lactation in rats. <i>Functional and Integrative Genomics</i> , 2011, 11, 193-202. | 1.4  | 23        |
| 60 | Transcriptome Analysis of Epithelial and Stromal Contributions to Mammogenesis in Three Week Prepartum Cows. <i>PLoS ONE</i> , 2011, 6, e22541.  | 1.1  | 15        |
| 61 | Characterization of mammary stromal remodeling during the dry period. <i>Journal of Dairy Science</i> , 2010, 93, 2433-2443.   | 1.4  | 28        |
| 62 | Molecular Signatures Reveal Circadian Clocks May Orchestrate the Homeorhetic Response to Lactation. <i>PLoS ONE</i> , 2009, 4, e7395.  | 1.1  | 36        |
| 63 | Molecular signatures suggest a major role for stromal cells in development of invasive breast cancer. <i>Breast Cancer Research and Treatment</i> , 2009, 114, 47-62.  | 1.1  | 197       |
| 64 | The Genome Sequence of Taurine Cattle: A Window to Ruminant Biology and Evolution. <i>Science</i> , 2009, 324, 522-528.  | 6.0  | 1,038     |
| 65 | The bovine lactation genome: insights into the evolution of mammalian milk. <i>Genome Biology</i> , 2009, 10, R43.   | 13.9 | 164       |
| 66 | Cancer associated fibroblasts stimulated by transforming growth factor beta1 (TGF- $\beta$ 1) increase invasion rate of tumor cells: a population study. <i>Breast Cancer Research and Treatment</i> , 2008, 110, 39-49.                 | 1.1  | 112       |
| 67 | Mammary Epithelial Cells Treated Concurrently with TGF- $\beta$ 1 and TGF- $\beta$ 2 Exhibit Enhanced Proliferation and Death. <i>Experimental Biology and Medicine</i> , 2007, 232, 1027-1040.  | 1.1  | 14        |
| 68 | In a hypergravity environment neonatal survival is adversely affected by alterations in dam tissue metabolism rather than reduced food intake. <i>Journal of Applied Physiology</i> , 2007, 102, 2186-2193.                              | 1.2  | 15        |
| 69 | The Role of Glucocorticoids in Secretory Activation and Milk Secretion, a Historical Perspective. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2007, 12, 293-304.   | 1.0  | 58        |
| 70 | Higher Stromal Expression of Transforming Growth Factor-beta Type II Receptors is Associated with Poorer Prognosis Breast Tumors. <i>Breast Cancer Research and Treatment</i> , 2003, 79, 149-159.                                       | 1.1  | 33        |
| 71 | Effect of Transforming Growth Factor-beta (TGF- $\beta$ 2) on Mammary Development. <i>Journal of Dairy Science</i> , 2003, 86, E16-E27.  | 1.4  | 8         |
| 72 | Women and Minorities in Animal Science: Do Issues Exist?. <i>Journal of Dairy Science</i> , 2003, 86, E35-E46.   | 1.4  | 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. | 2.0 | 6         |
| 74 | 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. | 2.0 | 0         |
| 75 | The Effects of Spaceflight on Mammary Metabolism in Pregnant Rats. Proceedings of the Society for Experimental Biology and Medicine, 1999, 222, 85-89.   | 2.0 | 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.                                   | 1.0 | 9         |
| 77 | INVOLUTION OF MOUSE MAMMARY GLANDS DURING WHOLE ORGAN CULTURE OCCURS VIA APOPTOSIS OF EPITHELIAL TISSUE. Cell Biology International, 1996, 20, 763-767.  | 1.4 | 10        |
| 78 | Integration of a gene marker into mouse mammary glands during whole organ culture. Cytotechnology, 1995, 17, 251-256.  | 0.7 | 0         |