Lorraine M Sordillo

List of Publications by Year
in descending order

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167 papers	7,498 citations	53794 45 h-index	64796 79 g-index
169 all docs	169 docs citations	169 times ranked	5524 citing authors

#	Article	IF	Citations
1	Impact of oxidative stress on the health and immune function of dairy cattle. Veterinary Immunology and Immunopathology, 2009, 128, 104-109.	1.2	495
2	Immunobiology of the Mammary Gland. Journal of Dairy Science, 1997, 80, 1851-1865.	3.4	385
3	Mammary gland immunity and mastitis susceptibility. Journal of Mammary Gland Biology and Neoplasia, 2002, 7, 135-146.	2.7	319
4	Metabolic factors affecting the inflammatory response of periparturient dairy cows. Animal Health Research Reviews, 2009, 10, 53-63.	3.1	276
5	Significance of Metabolic Stress, Lipid Mobilization, and Inflammation on Transition Cow Disorders. Veterinary Clinics of North America - Food Animal Practice, 2013, 29, 267-278.	1.2	257
6	Nutritional strategies to optimize dairy cattle immunity. Journal of Dairy Science, 2016, 99, 4967-4982.	3.4	196
7	A Survey on Antibiotic Usage in Dairy Herds in Pennsylvania. Journal of Dairy Science, 2005, 88, 2991-2999.	3.4	184
8	Lipid mobilization and inflammatory responses during the transition period of dairy cows. Comparative Immunology, Microbiology and Infectious Diseases, 2011, 34, 281-289.	1.6	177
9	Factors affecting mammary gland immunity and mastitis susceptibility. Livestock Science, 2005, 98, 89-99.	1.2	148
10	Selenium deficiency increases the expression of inducible nitric oxide synthase in RAW 264.7 macrophages: role of nuclear factor-Î¹B in up-regulation. Biochemical Journal, 2002, 366, 203-209.	3.7	140
11	Udder Health in the Periparturient Period. Journal of Dairy Science, 1988, 71, 2584-2606.	3.4	136
12	Dietary Polyunsaturated Fatty Acids and Inflammation: The Role of Phospholipid Biosynthesis. International Journal of Molecular Sciences, 2013, 14, 21167-21188.	4.1	132
13	The nexus between nutrient metabolism, oxidative stress and inflammation in transition cows. Animal Production Science, 2014, 54, 1204.	1.3	132
14	Immunopathology of Mastitis: Insights into Disease Recognition and Resolution. Journal of Mammary Gland Biology and Neoplasia, 2011, 16, 291-304.	2.7	118
15	Lipomobilization in periparturient dairy cows influences the composition of plasma nonesterified fatty acids and leukocyte phospholipid fatty acids. Journal of Dairy Science, 2010, 93, 2508-2516.	3.4	112
16	Selenium-Dependent Regulation of Oxidative Stress and Immunity in Periparturient Dairy Cattle. Veterinary Medicine International, 2013, 2013, 1-8.	1.5	105
17	Options for the control of bovine leukemia virus in dairy cattle. Journal of the American Veterinary Medical Association, 2014, 244, 914-922.	0.5	105
18	Approaches to the Manipulation of Mammary Involution. Journal of Dairy Science, 1989, 72, 1647-1664.	3.4	103

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19	Role of lipid mediators in the regulation of oxidative stress and inflammatory responses in dairy cattle. Research in Veterinary Science, 2018, 116, 4-14.	1.9	98
20	Enhanced production of bovine tumor necrosis factor-Î± during the periparturient period. Veterinary Immunology and Immunopathology, 1995, 49, 263-270.	1.2	91
21	Nuclear factor-Î°B mediates over-expression of cyclooxygenase-2 during activation of RAW 264.7 macrophages in selenium deficiency. Free Radical Biology and Medicine, 2002, 32, 890-897.	2.9	88
22	Anti-inflammatory salicylate treatment alters the metabolic adaptations to lactation in dairy cattle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R110-R117.	1.8	78
23	Changes in biomarkers of nutrient metabolism, inflammation, and oxidative stress in dairy cows during the transition into the early dry period. Journal of Dairy Science, 2018, 101, 9350-9359.	3.4	77
24	Effect of Interferon-Î³ on the Production of Tumor Necrosis Factor During Acute Escherichia coli Mastitis. Journal of Dairy Science, 1992, 75, 2119-2125.	3.4	75
25	Evaluation of antioxidant and proinflammatory gene expression in bovine mammary tissue during the periparturient period. Journal of Dairy Science, 2009, 92, 589-598.	3.4	75
26	Altered eicosanoid biosynthesis in selenium-deficient endothelial cells. Free Radical Biology and Medicine, 2000, 28, 381-389.	2.9	72
27	Shifts in Thioredoxin Reductase Activity and Oxidant Status in Mononuclear Cells Obtained from Transition Dairy Cattle. Journal of Dairy Science, 2007, 90, 1186-1192.	3.4	72
28	Regulation of inflammation by selenium and selenoproteins: impact on eicosanoid biosynthesis. Journal of Nutritional Science, 2013, 2, e28.	1.9	72
29	Shifts in Bovine CD4+ Subpopulations Increase T-helper-2 Compared with T-helper-1 Effector Cells During the Postpartum Period. Journal of Dairy Science, 1999, 82, 1696-1706.	3.4	71
30	Obesity is positively associated with arachidonic acid-derived 5- and 11-hydroxyeicosatetraenoic acid (HETE). Metabolism: Clinical and Experimental, 2017, 70, 177-191.	3.4	71
31	Thioredoxin reductase regulates the induction of haem oxygenase-1 expression in aortic endothelial cells. Biochemical Journal, 2006, 394, 207-216.	3.7	67
32	Increased neutrophil adherence and adhesion molecule mRNA expression in endothelial cells during selenium deficiency. Journal of Leukocyte Biology, 1999, 65, 658-664.	3.3	65
33	Fatty acid intake alters growth and immunity in milk-fed calves. Journal of Dairy Science, 2011, 94, 3936-3948.	3.4	65
34	Bovine CD8+ suppressor lymphocytes alter immune responsiveness during the postpartum period. Veterinary Immunology and Immunopathology, 1997, 56, 53-64.	1.2	63
35	Mammary Gland Immunobiology and Resistance to Mastitis. Veterinary Clinics of North America - Food Animal Practice, 2018, 34, 507-523.	1.2	62
36	Application of Differential Inflammatory Cell Count as a Tool to Monitor Udder Health. Journal of Dairy Science, 2001, 84, 1413-1420.	3.4	61

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37	Effects of an Escherichia coli J5 Vaccine on Mild Clinical Coliform Mastitis. Journal of Dairy Science, 1995, 78, 285-290.	3.4	58
38	TNFÎ± Altered Inflammatory Responses, Impaired Health and Productivity, but Did Not Affect Glucose or Lipid Metabolism in Early-Lactation Dairy Cows. PLoS ONE, 2013, 8, e80316.	2.5	58
39	Diminished Mammary Gland Lymphocyte Functions Parallel Shifts in Trafficking Patterns during the Postpartum Period. Experimental Biology and Medicine, 1996, 212, 271-279.	2.4	57
40	Polyunsaturated fatty acids influence differential biosynthesis of oxylipids and other lipid mediators during bovine coliform mastitis. Journal of Dairy Science, 2015, 98, 6202-6215.	3.4	57
41	Role of endothelial cells in bovine mammary gland health and disease. Animal Health Research Reviews, 2015, 16, 135-149.	3.1	56
42	Plasma phospholipids, non-esterified plasma polyunsaturated fatty acids and oxylipids are associated with BMI. Prostaglandins Leukotrienes and Essential Fatty Acids, 2015, 95, 31-40.	2.2	55
43	Maternal late-gestation metabolic stress is associated with changes in immune and metabolic responses of dairy calves. Journal of Dairy Science, 2018, 101, 6568-6580.	3.4	55
44	Relationship of body condition score and oxidant stress to tumor necrosis factor expression in dairy cattle. Veterinary Immunology and Immunopathology, 2006, 113, 297-304.	1.2	53
45	Nonesterified fatty acids modify inflammatory response and eicosanoid biosynthesis in bovine endothelial cells. Journal of Dairy Science, 2012, 95, 5011-5023.	3.4	49
46	Staphylococcus aureus agr Genotypes with Enterotoxin Production Capabilities Can Resist Neutrophil Bactericidal Activity. Infection and Immunity, 2001, 69, 45-51.	2.2	47
47	Increased 15-HPETE production decreases prostacyclin synthase activity during oxidant stress in aortic endothelial cells. Free Radical Biology and Medicine, 2001, 30, 299-308.	2.9	45
48	Glucose transporter and hypoxia-associated gene expression in the mammary gland of transition dairy cattle. Journal of Dairy Science, 2011, 94, 2912-2922.	3.4	45
49	Thioredoxin Reductase Regulates Angiogenesis by Increasing Endothelial Cell-Derived Vascular Endothelial Growth Factor. Nutrition and Cancer, 2004, 50, 221-231.	2.0	43
50	Enhanced 15-HPETE production during oxidant stress induces apoptosis of endothelial cells. Prostaglandins and Other Lipid Mediators, 2005, 76, 19-34.	1.9	43
51	Selenium inhibits 15-hydroperoxyoctadecadienoic acid-induced intracellular adhesion molecule expression in aortic endothelial cells. Free Radical Biology and Medicine, 2008, 44, 34-43.	2.9	43
52	Coagulase gene polymorphism of Staphylococcus aureus isolates from dairy cattle in different geographical areas. Epidemiology and Infection, 1999, 122, 329-336.	2.1	41
53	Adiponectin links adipose tissue function and monocyte inflammatory responses during bovine metabolic stress. Comparative Immunology, Microbiology and Infectious Diseases, 2014, 37, 49-58.	1.6	40
54	Symposium review: Oxylipids and the regulation of bovine mammary inflammatory responses. Journal of Dairy Science, 2018, 101, 5629-5641.	3.4	40

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55	Comparison of supplementation of n-3 fatty acids from fish and flax oil on cytokine gene expression and growth of milk-fed Holstein calves. Journal of Dairy Science, 2014, 97, 2329-2337.	3.4	39
56	Controlling acute Escherichia coli mastitis during the periparturient period with recombinant bovine interferon gamma. Veterinary Microbiology, 1991, 28, 189-198.	1.9	38
57	Modulation of bovine mammary neutrophil function during the periparturient period following in vitro exposure to recombinant bovine interferon gamma. Veterinary Immunology and Immunopathology, 1991, 27, 393-402.	1.2	38
58	Application of Interferons in the Control of Infectious Diseases of Cattle. Journal of Dairy Science, 1991, 74, 4385-4398.	3.4	36
59	Pathology of Staphyloccus aureus Mastitis During Lactogenesis: Relationships with Bovine Mammary Structure and Function. Journal of Dairy Science, 1989, 72, 228-240.	3.4	35
60	Ethyl pyruvate diminishes the inflammatory response to lipopolysaccharide infusion in horses. Equine Veterinary Journal, 2013, 45, 333-339.	1.7	35
61	Reduced macrophage selenoprotein expression alters oxidized lipid metabolite biosynthesis from arachidonic and linoleic acid. Journal of Nutritional Biochemistry, 2014, 25, 647-654.	4.2	35
62	Antibacterial Activity of Bovine Mammary Gland Lymphocytes Following Treatment with Interleukin-2. Journal of Dairy Science, 1991, 74, 3370-3375.	3.4	34
63	Selenoproteins reduce susceptibility to DMBA-induced mammary carcinogenesis. Carcinogenesis, 2012, 33, 1225-1230.	2.8	31
64	Predictive models for early lactation diseases in transition dairy cattle at dry-off. Preventive Veterinary Medicine, 2019, 163, 68-78.	1.9	31
65	Differences in the Oxylipid Profiles of Bovine Milk and Plasma at Different Stages of Lactation. Journal of Agricultural and Food Chemistry, 2017, 65, 4980-4988.	5.2	30
66	Selenium and vitamin E deficiency impair transferrin receptor internalization but not IL-2, IL-2 receptor, or transferrin receptor expression. Journal of Leukocyte Biology, 1998, 63, 131-137.	3.3	29
67	Platelet Activating Factor Production and Proinflammatory Gene Expression in Endotoxin-Challenged Bovine Mammary Endothelial Cells. Journal of Dairy Science, 2008, 91, 3067-3078.	3.4	29
68	Periparturient lipolysis and oxylipid biosynthesis in bovine adipose tissues. PLoS ONE, 2017, 12, e0188621.	2.5	29
69	Bovine Leukemia Virus Infection in Dairy Cattle: Effect on Serological Response to Immunization against J5Escherichia coliBacterin. Veterinary Medicine International, 2011, 2011, 1-5.	1.5	28
70	Enhanced n-3 phospholipid content reduces inflammatory responses in bovine endothelial cells. Journal of Dairy Science, 2012, 95, 7137-7150.	3.4	28
71	15â€F_{2t}â€Isoprostane Concentrations and Oxidant Status in Lactating Dairy Cattle with Acute Coliform Mastitis. Journal of Veterinary Internal Medicine, 2016, 30, 339-347.	1.6	28
72	A simple method to enrich mRNA from total prokaryotic RNA. Molecular Biotechnology, 1998, 10, 83-85.	2.4	27

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73	Effect of infection with bovine leukosis virus on lymphocyte proliferation and apoptosis in dairy cattle. American Journal of Veterinary Research, 2011, 72, 1059-1064.	0.6	27
74	New Concepts in the Causes and Control of Mastitis. Journal of Mammary Gland Biology and Neoplasia, 2011, 16, 271-273.	2.7	27
75	Evaluation of natural plant extracts as antioxidants in a bovine in vitro model of oxidative stress. Journal of Dairy Science, 2020, 103, 8938-8947.	3.4	27
76	Association between polyunsaturated fatty acid-derived oxylipid biosynthesis and leukocyte inflammatory marker expression in periparturient dairy cows. Journal of Dairy Science, 2014, 97, 3615-3625.	3.4	26
77	Short communication: Markers of oxidant status and inflammation relative to the development of claw lesions associated with lameness in early lactation cows. Journal of Dairy Science, 2016, 99, 5640-5648.	3.4	26
78	Production of 15-F-isoprostane as an assessment of oxidative stress in dairy cows at different stages of lactation. Journal of Dairy Science, 2018, 101, 9287-9295.	3.4	25
79	Prevention of Bovine Mastitis by a Postmilking Teat Disinfectant Containing Chlorous Acid and Chlorine Dioxide in a Soluble Polymer Gel. Journal of Dairy Science, 1989, 72, 3091-3097.	3.4	24
80	Pro-inflammatory and pro-apoptotic responses of TNF-Î± stimulated bovine mammary endothelial cells. Veterinary Immunology and Immunopathology, 2011, 140, 282-290.	1.2	23
81	Changes in glucose transporter expression in monocytes of periparturient dairy cows. Journal of Dairy Science, 2012, 95, 5709-5719.	3.4	23
82	Quantification of bovine oxylipids during intramammary Streptococcus uberis infection. Prostaglandins and Other Lipid Mediators, 2015, 121, 207-217.	1.9	23
83	Apoptosis of Endothelial Cells by 13-HPODE Contributes to Impairment of Endothelial Barrier Integrity. Mediators of Inflammation, 2016, 2016, 1-13.	3.0	23
84	Phylogenetic relationships of Staphylococcus aureus from bovine mastitis based on coagulase gene polymorphism. Veterinary Microbiology, 2000, 71, 53-58.	1.9	22
85	Reduced humoral immunity and atypical cell-mediated immunity in response to vaccination in cows naturally infected with bovine leukemia virus. Veterinary Immunology and Immunopathology, 2016, 182, 125-135.	1.2	22
86	Cabergoline inhibits prolactin secretion and accelerates involution in dairy cows after dry-off. Journal of Dairy Science, 2016, 99, 5707-5718.	3.4	22
87	Inhibiting prolactin by cabergoline accelerates mammary gland remodeling during the early dry period in dairy cows. Journal of Dairy Science, 2017, 100, 9787-9798.	3.4	22
88	Arachidonic acid-derived hydroxyeicosatetraenoic acids are positively associated with colon polyps in adult males: a cross-sectional study. Scientific Reports, 2019, 9, 12033.	3.3	22
89	Prevalence and Ultrastructural Characteristics of Bovine Mammary Corpora Amylacea During the Lactation Cycle. Journal of Dairy Science, 1985, 68, 709-717.	3.4	21
90	Isolation and characterization of bovine mammary endothelial cells. Cytotechnology, 1995, 17, 41-46.	0.7	21

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91	Arginine supplementation increases weight gain, depresses antibody production, and alters circulating leukocyte profiles in preruminant calves without affecting plasma growth hormone concentrations.. Journal of Animal Science, 1997, 75, 3019.	0.5	21
92	A method to reduce glutathione peroxidase levels in primary endothelial cell cultures. Cytotechnology, 1998, 19, 243-253.	0.7	21
93	Preliminary safety and biological efficacy studies of ethyl pyruvate in normal mature horses. Equine Veterinary Journal, 2011, 43, 341-347.	1.7	21
94	Quantification and Immunoglobulin Classification of Plasma Cells in Nonlactating Bovine Mammary Tissue. Journal of Dairy Science, 1988, 71, 84-91.	3.4	19
95	Pathological Changes in Bovine Mammary Glands Following Intramammary Infusion of Recombinant Interleukin-2. Journal of Dairy Science, 1991, 74, 4164-4174.	3.4	19
96	Selenium deficiency alters the formation of eicosanoids and signal transduction in rat lymphocytes. Prostaglandins and Other Lipid Mediators, 2002, 70, 131-143.	1.9	19
97	MEKK1 Signaling through p38 Leads to Transcriptional Inactivation of E47 and Repression of Skeletal Myogenesis. Journal of Biological Chemistry, 2004, 279, 30966-30972.	3.4	19
98	Effects of staphylococcus aureus mastitis on bovine mammary gland plasma cell populations and immunoglobulin concentrations in milk. Veterinary Immunology and Immunopathology, 1988, 20, 87-93.	1.2	18
99	Lipolysis modulates the biosynthesis of inflammatory lipid mediators derived from linoleic acid in adipose tissue of periparturient dairy cows. Journal of Dairy Science, 2020, 103, 1944-1955.	3.4	18
100	Oxidative Stress Compromises Lymphocyte Function in Neonatal Dairy Calves. Antioxidants, 2021, 10, 255.	5.1	18
101	Enhancing Bactericidal Activity of Bovine Lymphoid Cells During the Periparturient Period. Journal of Dairy Science, 1996, 79, 1347-1352.	3.4	17
102	Selenium Modulates 1-O-Alkyl-2-Acetyl-sn-Glycero-3-Phosphocholine (PAF) Biosynthesis in Bovine Aortic Endothelial Cells. Antioxidants and Redox Signaling, 2001, 3, 1147-1152.	5.4	17
103	Ethyl pyruvate decreases proinflammatory gene expression in lipopolysaccharide-stimulated equine monocytes. Veterinary Immunology and Immunopathology, 2011, 141, 92-99.	1.2	17
104	Reduced serum vitamin D concentrations in healthy early-lactation dairy cattle. Journal of Dairy Science, 2018, 101, 1488-1494.	3.4	17
105	Î±-Tocopherol Concentrations in Milk and Plasma During Clinical Escherichia coli Mastitis. Journal of Dairy Science, 1996, 79, 71-75.	3.4	16
106	Influence of Corticosteroids on Interleukinâ€1Î²â€Stimulated Equine Chondrocyte Gene Expression. Veterinary Surgery, 2013, 42, 231-237.	1.0	16
107	Duration of in vivo endotoxin tolerance in horses. Veterinary Immunology and Immunopathology, 2016, 173, 10-16.	1.2	16
108	Omega-3 fatty acids and docosahexaenoic acid oxymetabolites modulate the inflammatory response of equine recombinant interleukin1Î²-stimulated equine synoviocytes. Prostaglandins and Other Lipid Mediators, 2019, 142, 1-8.	1.9	16

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109	Colostrum supplementation with n-3 fatty acids alters plasma polyunsaturated fatty acids and inflammatory mediators in newborn calves. Journal of Dairy Science, 2020, 103, 11676-11688.	3.4	16
110	Oxidative stress-induced mitochondrial dysfunction in a normal colon epithelial cell line. World Journal of Gastroenterology, 2017, 23, 3427.	3.3	16
111	Supplementation of linoleic acid (C18:2n-6) or Î±-linolenic acid (C18:3n-3) changes microbial agonist-induced oxylipid biosynthesis. Journal of Dairy Science, 2017, 100, 1870-1887.	3.4	15
112	The Role of Biological Response Modifiers in Disease Control. Journal of Dairy Science, 1993, 76, 2407-2417.	3.4	14
113	Growth Responses of Coliform Bacteria to Recombinant Bovine Cytokines. Journal of Dairy Science, 1993, 76, 978-982.	3.4	14
114	Enhanced Antigen-Specific Responses in Bovine Mammary Glands Following Administration of Interleukin-2. Journal of Dairy Science, 1995, 78, 528-537.	3.4	14
115	Oxylipid profiles of dairy cattle vary throughout the transition into early mammary gland involution. Journal of Dairy Science, 2019, 102, 2481-2491.	3.4	14
116	Colostrum supplementation with n-3 fatty acids and Î±-tocopherol alters plasma polyunsaturated fatty acid profile and decreases an indicator of oxidative stress in newborn calves. Journal of Dairy Science, 2020, 103, 3545-3553.	3.4	14
117	Concentrations of Î±-Tocopherol After Intramammary Infusion of Escherichia coli or Lipopolysaccharide. Journal of Dairy Science, 1997, 80, 2826-2832.	3.4	13
118	Ethyl pyruvate diminishes the endotoxin-induced inflammatory response of bovine mammary endothelial cells. Journal of Dairy Science, 2010, 93, 5188-5199.	3.4	12
119	Effects of Super Nutritional Hepatic Copper Accumulation on Hepatocyte Health and Oxidative Stress in Dairy Cows. Veterinary Medicine International, 2019, 2019, 1-9.	1.5	12
120	Serum vitamin D concentrations at dry-off and close-up predict increased postpartum urine ketone concentrations in dairy cattle. Journal of Dairy Science, 2020, 103, 1795-1806.	3.4	12
121	Bovine leukemia virus detection and dynamics following experimental inoculation. Research in Veterinary Science, 2020, 133, 269-275.	1.9	12
122	20-hydroxyeicosatetraenoic acid alters endothelial cell barrier integrity independent of oxidative stress and cell death. Prostaglandins and Other Lipid Mediators, 2020, 149, 106425.	1.9	12
123	Serum retinol, Î²-carotene, and Î±-tocopherol as biomarkers for disease risk and milk production in periparturient dairy cows. Journal of Dairy Science, 2021, 104, 915-927.	3.4	12
124	Oxidant stress enhances Lyso-PAF-AcT activity by modifying phospholipase D and phosphatidic acid in aortic endothelial cells. Biochemical and Biophysical Research Communications, 2003, 302, 610-614.	2.1	11
125	Molecular Characterization of a Saposin-Like Protein Family Member Isolated from Bovine Lymphocytes. Journal of Dairy Science, 2005, 88, 1378-1390.	3.4	11
126	Widespread basal cytochrome P450 expression in extrahepatic bovine tissues and isolated cells. Journal of Dairy Science, 2020, 103, 625-637.	3.4	11

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127	Vitamin E analogs limit in vitro oxidant damage to bovine mammary endothelial cells. Journal of Dairy Science, 2021, 104, 7154-7167.	3.4	11
128	Role of macrophages and multinucleate giant cells in the resorption of corpora amylacea in the involuting bovine mammary gland. Cell and Tissue Research, 1985, 240, 397-401.	2.9	10
129	Short communication: Characterizing metabolic and oxidant status of pastured dairy cows postpartum in an automatic milking system. Journal of Dairy Science, 2015, 98, 7083-7089.	3.4	10
130	Docosahexaenoic acid-derived oxidized lipid metabolites modulate the inflammatory response of lipolysaccharide-stimulated macrophages. Prostaglandins and Other Lipid Mediators, 2018, 136, 76-83.	1.9	10
131	Prospects for predictive modeling of transition cow diseases. Animal Health Research Reviews, 2019, 20, 19-30.	3.1	9
132	Diet starch concentration and starch fermentability affect markers of inflammatory response and oxidant status in dairy cows during the early postpartum period. Journal of Dairy Science, 2020, 103, 352-367.	3.4	9
133	Caprine mammary differentiation and initiation of lactation following prepartum colchicine infusion. International Journal of Biochemistry & Cell Biology, 1984, 16, 1265-1272.	0.5	8
134	Morphological Changes Caused by Experimental Streptococcus uberis Mastitis in Mice following Intramammary Infusion of Pokeweed Mitogen. Experimental Biology and Medicine, 1986, 182, 522-530.	2.4	8
135	Leukocytic Infiltration of Bovine Mammary Parenchymal Tissue in Response to Corynebacterium bovis Colonization. Journal of Dairy Science, 1989, 72, 1045-1051.	3.4	8
136	Differential Expression of the Lactose Transporter Gene Affects Growth of Staphylococcus aureus in Milk. Journal of Dairy Science, 2003, 86, 2373-2381.	3.4	8
137	Isoprostanes in Veterinary Medicine: Beyond a Biomarker. Antioxidants, 2021, 10, 145.	5.1	8
138	Rumination time around dry-off relative to the development of diseases in early-lactation cows. Journal of Dairy Science, 2021, 104, 5909-5920.	3.4	8
139	The Impact of N-Acetyl Cysteine and Coenzyme Q10 Supplementation on Skeletal Muscle Antioxidants and Proteome in Fit Thoroughbred Horses. Antioxidants, 2021, 10, 1739.	5.1	8
140	Regulation of mammary gland macrophage tumour necrosis factor-Î± production with interferon-Î³. Research in Veterinary Science, 1994, 56, 252-255.	1.9	7
141	Invited review: Cytochrome P450 enzyme involvement in health and inflammatory-based diseases of dairy cattle. Journal of Dairy Science, 2021, 104, 1276-1290.	3.4	7
142	Growth patterns and histochemical characterization of bovine mammary corpora amylacea.. Journal of Histochemistry and Cytochemistry, 1986, 34, 593-597.	2.5	6
143	Cohort-level disease prediction by extrapolation of individual-level predictions in transition dairy cattle. Preventive Veterinary Medicine, 2019, 169, 104692.	1.9	6
144	Flunixin Meglumine Reduces Milk Isoprostane Concentrations in Holstein Dairy Cattle Suffering from Acute Coliform Mastitis. Antioxidants, 2021, 10, 834.	5.1	6

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145	Lipoxygenase metabolites modulate vascular-derived platelet activating factor production following endotoxin challenge. Veterinary Immunology and Immunopathology, 2010, 136, 98-107.	1.2	5
146	Effects of exercise on markers of venous remodeling in lungs of horses. American Journal of Veterinary Research, 2013, 74, 1231-1238.	0.6	5
147	Distinct Signature of Oxylipid Mediators of Inflammation during Infection and Asymptomatic Colonization byE. coliin the Urinary Bladder. Mediators of Inflammation, 2017, 2017, 1-16.	3.0	5
148	Cohort-level disease prediction using aggregate biomarker data measured at dry-off in transition dairy cattle: A proof-of-concept study. Preventive Veterinary Medicine, 2019, 169, 104701.	1.9	5
149	Postpartum meloxicam administration alters plasma haptoglobin, polyunsaturated fatty acid, and oxylipid concentrations in postpartum ewes. Journal of Animal Science and Biotechnology, 2020, 11, 68.	5.3	5
150	Activity of sEH and Oxidant Status during Systemic Bovine Coliform Mastitis. Antioxidants, 2021, 10, 812.	5.1	5
151	Serum Vitamin D Is Associated with Antioxidant Potential in Peri-Parturient Cows. Antioxidants, 2021, 10, 1420.	5.1	4
152	Origin, fate, and properties of multinucleated giant cells and their association with milk-synthesizing tissues of the bovine mammary gland. Immunobiology, 1987, 174, 200-209.	1.9	3
153	Mononuclear leukocyte fatty acid composition and inflammatory phenotype in periparturient and lactating sows1. Journal of Animal Science, 2013, 91, 174-187.	0.5	3
154	Colostrum supplementation with n-3 fatty acids does not alter calf outcome on a healthy commercial farm. Journal of Dairy Science, 2020, 103, 11689-11696.	3.4	3
155	The Link Between 15-F2t-Isoprostane Activity and Acute Bovine Endothelial Inflammation Remains Elusive. Frontiers in Veterinary Science, 2022, 9, 873544.	2.2	3
156	Identification of in vitro cytochrome P450 modulators to detect induction by prototype inducers in the mallard duckling (Anas platyrhynchos). Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1999, 122, 273-281.	0.5	2
157	Changes in bovine leukemia virus serological status and lymphocyte count between dry-off and early lactation in Michigan dairy cows. Journal of Dairy Science, 2020, 103, 9473-9480.	3.4	2
158	Multicenter Placebo-Controlled Randomized Study of Ethyl Pyruvate in Horses Following Surgical Treatment for â‰¥ 360Â° Large Colon Volvulus. Frontiers in Veterinary Science, 2020, 7, 204.	2.2	2
159	Inhibition of 20â€hydroxyeicosatetraenoic acid biosynthesis by vitamin E analogs in human and bovine cytochrome P450 microsomes. Journal of Animal Physiology and Animal Nutrition, 2021, , .	2.2	2
160	Evidence for G-Protein-Dependent and G-Protein-Independent Activation of Phospholipase D in Lymphocytes. Biochemical and Biophysical Research Communications, 1996, 229, 630-634.	2.1	1
161	Dual purpose with dual benefit research models in veterinary and biomedical research. Veterinary Immunology and Immunopathology, 2014, 159, 111-112.	1.2	1
162	Selenoenzyme Status Affects Eicosanoid Biosynthesis in Macrophages. Free Radical Biology and Medicine, 2010, 49, S145-S146.	2.9	0

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163	Reduced Selenoprotein Activity Increases Endothelial Cell Inflammatory Responses during Oxidative Stress. Free Radical Biology and Medicine, 2012, 53, S117-S118.	2.9	0
164	Mammary Resistance Mechanisms: Endogenous â˜† . , 2016, , .		0
165	P22PHOX KNOCKDOWN ATTENUATES NOREPINEPHRINE TRANSPORTER REDUCTION IN RESPONSE TO ENDOTHELINâ€1 IN PC12 CELLS. FASEB Journal, 2007, 21, A817.	0.5	0
166	Thioredoxin reductase attenuates vascular inflammatory responses during oxidative stress. FASEB Journal, 2008, 22, 454-454.	0.5	0
167	The Effect of Prepartum Adiposity and Lipolysis on Gestational and Postnatal Oxylipids Biosynthesis. FASEB Journal, 2017, 31, lb316.	0.5	0