

Cassandra B Tucker

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

4,582
citations

87888

38
h-index

110387

64
g-index

102
all docs

102
docs citations

102
times ranked

2091
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of solar radiation on dairy cattle behaviour, use of shade and body temperature in a pasture-based system. <i>Applied Animal Behaviour Science</i> , 2008, 109, 141-154.	1.9	250
2	Evaluation of data loggers, sampling intervals, and editing techniques for measuring the lying behavior of dairy cattle. <i>Journal of Dairy Science</i> , 2010, 93, 5129-5139.	3.4	240
3	Overstocking Reduces Lying Time in Dairy Cows. <i>Journal of Dairy Science</i> , 2007, 90, 3349-3354.	3.4	196
4	Effects of Three Types of Free-Stall Surfaces on Preferences and Stall Usage by Dairy Cows. <i>Journal of Dairy Science</i> , 2003, 86, 521-529.	3.4	173
5	The amount of shade influences the behavior and physiology of dairy cattle. <i>Journal of Dairy Science</i> , 2010, 93, 125-133.	3.4	160
6	Bacterial Populations on Teat Ends of Dairy Cows Housed in Free Stalls and Bedded with Either Sand or Sawdust. <i>Journal of Dairy Science</i> , 2004, 87, 1694-1701.	3.4	141
7	The long and short of it: A review of tail docking in farm animals. <i>Applied Animal Behaviour Science</i> , 2011, 135, 179-191.	1.9	130
8	Effects of shelter and body condition on the behaviour and physiology of dairy cattle in winter. <i>Applied Animal Behaviour Science</i> , 2007, 105, 1-13.	1.9	127
9	Bedding on Geotextile Mattresses: How Much is Needed to Improve Cow Comfort?. <i>Journal of Dairy Science</i> , 2004, 87, 2889-2895.	3.4	125
10	Free-Stall Dimensions: Effects on Preference and Stall Usage. <i>Journal of Dairy Science</i> , 2004, 87, 1208-1216.	3.4	121
11	Freestall Maintenance: Effects on Lying Behavior of Dairy Cattle. <i>Journal of Dairy Science</i> , 2005, 88, 2381-2387.	3.4	115
12	Effects of local anesthetic and a nonsteroidal antiinflammatory drug on pain responses of dairy calves to hot-iron dehorning. <i>Journal of Dairy Science</i> , 2009, 92, 1512-1519.	3.4	113
13	Dairy cows prefer shade that offers greater protection against solar radiation in summer: Shade use, behaviour, and body temperature. <i>Applied Animal Behaviour Science</i> , 2009, 116, 28-34.	1.9	107
14	Invited review: Lying time and the welfare of dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 20-46.	3.4	104
15	Play behavior as an indicator of animal welfare: Disbudding in dairy calves. <i>Applied Animal Behaviour Science</i> , 2013, 144, 22-30.	1.9	102
16	Sprinklers and Shade Cool Cows and Reduce Insect-Avoidance Behavior in Pasture-Based Dairy Systems. <i>Journal of Dairy Science</i> , 2007, 90, 3671-3680.	3.4	97
17	Cow comfort in tie-stalls: Increased depth of shavings or straw bedding increases lying time. <i>Journal of Dairy Science</i> , 2009, 92, 2684-2690.	3.4	84
18	Dairy cattle prefer shade over sprinklers: Effects on behavior and physiology. <i>Journal of Dairy Science</i> , 2011, 94, 273-283.	3.4	81

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19	Associations between cow hygiene, hock injuries, and free stall usage on US dairy farms. <i>Journal of Dairy Science</i> , 2010, 93, 4668-4676.	3.4	80
20	Influence of Neck-Rail Placement on Free-Stall Preference, Use, and Cleanliness. <i>Journal of Dairy Science</i> , 2005, 88, 2730-2737.	3.4	72
21	Effect of milking frequency and feeding level before and after dry off on dairy cattle behavior and udder characteristics. <i>Journal of Dairy Science</i> , 2009, 92, 3194-3203.	3.4	67
22	Using water to cool cattle: Behavioral and physiological changes associated with voluntary use of cow showers. <i>Journal of Dairy Science</i> , 2011, 94, 3376-3386.	3.4	60
23	A predictive model of equivalent temperature index for dairy cattle (ETIC). <i>Journal of Thermal Biology</i> , 2018, 76, 165-170.	2.5	59
24	The effect of disbudding age on healing and pain sensitivity in dairy calves. <i>Journal of Dairy Science</i> , 2018, 101, 10361-10373.	3.4	57
25	Neck-rail position in the free stall affects standing behavior and udder and stall cleanliness. <i>Journal of Dairy Science</i> , 2009, 92, 1979-1985.	3.4	56
26	Milking Cows Once Daily Influences Behavior and Udder Firmness at Peak and Mid Lactation. <i>Journal of Dairy Science</i> , 2007, 90, 1692-1703.	3.4	53
27	Cooling cows efficiently with water spray: Behavioral, physiological, and production responses to sprinklers at the feed bunk. <i>Journal of Dairy Science</i> , 2016, 99, 4607-4618.	3.4	52
28	Cooling cows efficiently with sprinklers: Physiological responses to water spray. <i>Journal of Dairy Science</i> , 2015, 98, 6925-6938.	3.4	50
29	Effect of Rubber Flooring in Front of the Feed Bunk on the Time Budgets of Dairy Cattle. <i>Journal of Dairy Science</i> , 2004, 87, 1203-1207.	3.4	49
30	Effects of adjustable and stationary fans with misters on core body temperature and lying behavior of lactating dairy cows in a semiarid climate. <i>Journal of Dairy Science</i> , 2013, 96, 4738-4750.	3.4	49
31	A field study of the behavioral and physiological effects of varying amounts of shade for lactating cows at pasture. <i>Journal of Dairy Science</i> , 2014, 97, 3599-3605.	3.4	49
32	Brisket Boards Reduce Freestall Use. <i>Journal of Dairy Science</i> , 2006, 89, 2603-2607.	3.4	47
33	Laterality of lying behaviour in dairy cattle. <i>Applied Animal Behaviour Science</i> , 2009, 120, 125-131.	1.9	46
34	Muddy conditions reduce hygiene and lying time in dairy cattle and increase time spent on concrete. <i>Journal of Dairy Science</i> , 2017, 100, 2090-2103.	3.4	46
35	Tail Docking Dairy Cattle: Effects on Cow Cleanliness and Udder Health. <i>Journal of Dairy Science</i> , 2001, 84, 84-87.	3.4	43
36	Beef cattle welfare in the USA: identification of priorities for future research. <i>Animal Health Research Reviews</i> , 2015, 16, 107-124.	3.1	43

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37	Flooring in Front of the Feed Bunk Affects Feeding Behavior and Use of Freestalls by Dairy Cows. <i>Journal of Dairy Science</i> , 2006, 89, 2065-2071.	3.4	41
38	Dairy cows use and prefer feed bunks fitted with sprinklers. <i>Journal of Dairy Science</i> , 2013, 96, 5035-5045.	3.4	38
39	Effects of under- and overstocking freestalls on dairy cattle behaviour. <i>Applied Animal Behaviour Science</i> , 2015, 170, 14-19.	1.9	36
40	Effects of 3 surface types on dairy cattle behavior, preference, and hygiene. <i>Journal of Dairy Science</i> , 2019, 102, 1530-1541.	3.4	35
41	Validation of an automated method to count steps while cows stand on a weighing platform and its application as a measure to detect lameness. <i>Journal of Dairy Science</i> , 2012, 95, 6523-6528.	3.4	33
42	Motivation of naïve feedlot cattle to obtain grain and individual responses to novelty. <i>Applied Animal Behaviour Science</i> , 2017, 197, 68-74.	1.9	33
43	Culling Decisions and Dairy Cattle Welfare During Transport to Slaughter in the United States. <i>Frontiers in Veterinary Science</i> , 2018, 5, 343.	2.2	33
44	Assessing cow-calf welfare. Part 1: Benchmarking beef cow health and behavior, handling; and management, facilities, and producer perspectives1. <i>Journal of Animal Science</i> , 2016, 94, 3476-3487.	0.5	32
45	Conditioned place preference reveals ongoing pain in calves 3 weeks after disbudding. <i>Scientific Reports</i> , 2020, 10, 3849.	3.3	30
46	Behavioral and physiological effects of a short-term feed restriction in lactating dairy cattle with different body condition scores at calving. <i>Journal of Dairy Science</i> , 2013, 96, 4465-4476.	3.4	29
47	Physiological, behavioral, and serological responses of horses to shaded or unshaded pens in a hot, sunny environment1. <i>Journal of Animal Science</i> , 2013, 91, 5926-5936.	0.5	29
48	Pain sensitivity and healing of hot-iron cattle brands1. <i>Journal of Animal Science</i> , 2014, 92, 5674-5682.	0.5	29
49	Cooling cows with sprinklers: Spray duration affects physiological responses to heat load. <i>Journal of Dairy Science</i> , 2018, 101, 4412-4423.	3.4	29
50	Healing of surgical castration wounds: a description and an evaluation of flunixin1. <i>Journal of Animal Science</i> , 2014, 92, 5659-5665.	0.5	28
51	Preference of domestic horses for shade in a hot, sunny environment1. <i>Journal of Animal Science</i> , 2014, 92, 1708-1717.	0.5	26
52	Technical note: Comparison of instantaneous sampling and continuous observation of dairy cattle behavior in freestall housing. <i>Journal of Dairy Science</i> , 2016, 99, 8341-8346.	3.4	26
53	Cooling cows with sprinklers: Effects of soaker flow rate and timing on behavioral and physiological responses to heat load and production. <i>Journal of Dairy Science</i> , 2019, 102, 528-538.	3.4	25
54	Assessing heat load in drylot dairy cattle: Refining on-farm sampling methodology. <i>Journal of Dairy Science</i> , 2016, 99, 8970-8980.	3.4	24

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55	The sickness response in steers with induced bovine respiratory disease before and after treatment with a non-steroidal anti-inflammatory drug. <i>Applied Animal Behaviour Science</i> , 2016, 181, 49-62.	1.9	23
56	Use of a pneumatic push gate to measure dairy cattle motivation to lie down in a deep-bedded area. <i>Applied Animal Behaviour Science</i> , 2018, 201, 15-24.	1.9	23
57	Assessing calf play behavior in an arena test. <i>Applied Animal Behaviour Science</i> , 2012, 141, 101-107.	1.9	22
58	Assessing cow-calf welfare. Part 2: Risk factors for beef cow health and behavior and stockperson handling ¹ . <i>Journal of Animal Science</i> , 2016, 94, 3488-3500.	0.5	22
59	Technical note: Use of an automated grooming brush by heifers and potential for radiofrequency identification-based measurements of this behavior. <i>Journal of Dairy Science</i> , 2017, 100, 8430-8437.	3.4	22
60	Domestic cattle (<i>Bos taurus taurus</i>) are motivated to obtain forage and demonstrate contrafreeloading. <i>PLoS ONE</i> , 2018, 13, e0193109.	2.5	20
61	Cooling cows with sprinklers: Timing strategy affects physiological responses to heat load. <i>Journal of Dairy Science</i> , 2018, 101, 11237-11246.	3.4	19
62	Iron and laterality effects on healing of cautery disbudding wounds in dairy calves. <i>Journal of Dairy Science</i> , 2019, 102, 10163-10172.	3.4	19
63	Evaluation of the sample needed to accurately estimate outcome-based measurements of dairy welfare on farm. <i>Journal of Dairy Science</i> , 2014, 97, 3523-3530.	3.4	18
64	Sensitivity and wound healing after hot-iron disbudding in goat kids. <i>Journal of Dairy Science</i> , 2019, 102, 10152-10162.	3.4	18
65	Behavioral changes in calves 11 days after cautery disbudding: Effect of local anesthesia. <i>Journal of Dairy Science</i> , 2020, 103, 8518-8525.	3.4	18
66	Effect of a cooling gel on pain sensitivity and healing of hot-iron cattle brands ¹ . <i>Journal of Animal Science</i> , 2014, 92, 5666-5673.	0.5	17
67	Restless behavior increases over time, but not with compressibility of the flooring surface, during forced standing at the feed bunk. <i>Journal of Dairy Science</i> , 2011, 94, 97-105.	3.4	16
68	Short communication: Measures of weight distribution and frequency of steps as indicators of restless behavior. <i>Journal of Dairy Science</i> , 2011, 94, 800-803.	3.4	16
69	Effects of growth-promoting technology on feedlot cattle behavior in the 21 days before slaughter. <i>Applied Animal Behaviour Science</i> , 2015, 162, 1-8.	1.9	16
70	Fever, feeding, and grooming behavior around peak clinical signs in bovine respiratory disease ¹ . <i>Journal of Animal Science</i> , 2016, 94, 3918-3932.	0.5	16
71	Sprinkler flow rate affects dairy cattle avoidance of spray to the head, but not overall, in an aversion race. <i>Applied Animal Behaviour Science</i> , 2016, 179, 23-31.	1.9	15
72	Innovative cooling strategies: Dairy cow responses and water and energy use. <i>Journal of Dairy Science</i> , 2020, 103, 5440-5454.	3.4	15

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73	Preferences for overhead sprinklers by naïve beef steers: Test of two nozzle types. <i>Applied Animal Behaviour Science</i> , 2012, 137, 13-22.	1.9	14
74	Astroturf as a dustbathing substrate for laying hens. <i>Applied Animal Behaviour Science</i> , 2013, 146, 88-95.	1.9	14
75	Sprinkler flow rate affects dairy cattle preferences, heat load, and insect deterrence behavior. <i>Applied Animal Behaviour Science</i> , 2016, 182, 1-8.	1.9	14
76	Acute pain responses in dairy calves undergoing cornual nerve blocks with or without topical anesthetic. <i>Journal of Dairy Science</i> , 2019, 102, 3431-3438.	3.4	14
77	Painful procedures. , 2018, , 157-198.		13
78	Hay provision affects 24-h performance of normal and abnormal oral behaviors in individually housed dairy calves. <i>Journal of Dairy Science</i> , 2022, 105, 4434-4448.	3.4	13
79	Reliability of sampling strategies for measuring dairy cattle welfare on commercial farms. <i>Journal of Dairy Science</i> , 2018, 101, 1495-1504.	3.4	12
80	Effects of behaviour on the development of claw lesions in early lactation dairy cows. <i>Applied Animal Behaviour Science</i> , 2011, 134, 16-22.	1.9	11
81	How do cattle respond to sloped floors? An investigation using behavior and electromyograms. <i>Journal of Dairy Science</i> , 2014, 97, 2808-2815.	3.4	11
82	Factors affecting nest choice by Pekin ducks. <i>Applied Animal Behaviour Science</i> , 2011, 129, 121-128.	1.9	10
83	The age of surgical castration affects the healing process in beef calves ¹ . <i>Translational Animal Science</i> , 2017, 1, 358-366.	1.1	10
84	Cow cooling on commercial drylot dairies: A description of 10 farms in California. <i>California Agriculture</i> , 2017, 71, 249-255.	0.8	10
85	Short communication: A comparison of 2 nonsteroidal antiinflammatory drugs following the first stage of a 2-stage fistulation surgery in dry dairy cows. <i>Journal of Dairy Science</i> , 2013, 96, 6514-6519.	3.4	9
86	Shade use by small groups of domestic horses in a hot, sunny environment ¹ . <i>Journal of Animal Science</i> , 2015, 93, 5455-5464.	0.5	9
87	Sampling strategy and measurement device affect vaginal temperature outcomes in lactating dairy cattle. <i>Journal of Dairy Science</i> , 2020, 103, 5414-5421.	3.4	8
88	Effect of rubber flooring on dairy cattle stepping behavior and muscle activity. <i>Journal of Dairy Science</i> , 2015, 98, 2462-2471.	3.4	7
89	Branding Practices on Four Dairies in Kantale, Sri Lanka. <i>Animals</i> , 2018, 8, 137.	2.3	7
90	Measuring behavior patterns and evaluating time-sampling methodology to characterize brush use in weaned beef cattle. <i>Journal of Dairy Science</i> , 2020, 103, 8360-8368.	3.4	7

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91	Stepping behavior and muscle activity of dairy cows on uncomfortable standing surfaces presented under 1 or 4 legs. <i>Journal of Dairy Science</i> , 2015, 98, 295-304.	3.4	6
92	The sickness response at and before clinical diagnosis of spontaneous bovine respiratory disease. <i>Applied Animal Behaviour Science</i> , 2018, 201, 85-92.	1.9	6
93	The effect of early burn injury on sensitivity to future painful stimuli in dairy heifers. <i>PLoS ONE</i> , 2020, 15, e0233711.	2.5	6
94	Injury alters motivational trade-offs in calves during the healing period. <i>Scientific Reports</i> , 2021, 11, 6888.	3.3	6
95	Effect of plane of nutrition and analgesic drug treatment on wound healing and pain following cautery disbudding in preweaning dairy calves. <i>Journal of Dairy Science</i> , 2022, 105, 6220-6239.	3.4	6
96	Stepping behavior and muscle activity of dairy cattle standing on concrete or rubber flooring for 1 or 3 hours. <i>Journal of Dairy Science</i> , 2018, 101, 9472-9482.	3.4	5
97	Naïve domestic <i>Bos taurus</i> calves recognize the scent of a canine predator. <i>Animal Behaviour</i> , 2020, 164, 173-180.	1.9	5
98	Validation of 15O and instantaneous sampling for quantifying oral behaviors in milk-fed dairy calves. <i>Journal of Dairy Science</i> , 2021, 104, 9185-9194.	3.4	5
99	Buffering lidocaine heightens aversion to cornual nerve injections in dairy calves. <i>Journal of Dairy Science</i> , 2022, 105, 4490-4497.	3.4	5
100	An investigation of the effects of ketoprofen following rumen fistulation surgery in lactating dairy cows. <i>Canadian Veterinary Journal</i> , 2014, 55, 442-8.	0.0	3