

Caroline Lee

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

2,125
citations

27
h-index

40
g-index

111
ext. papers

2,744
ext. citations

2.5
avg, IF

5.28
L-index

#	Paper	IF	Citations
101	Release from restraint generates a positive judgement bias in sheep. <i>Applied Animal Behaviour Science</i> , 2010 , 122, 28-34	2.2	107
100	Measuring judgement bias and emotional reactivity in sheep following long-term exposure to unpredictable and aversive events. <i>Physiology and Behavior</i> , 2011 , 102, 503-10	3.5	90
99	The effect of repeated testing on judgement biases in sheep. <i>Behavioural Processes</i> , 2010 , 83, 349-52	1.6	80
98	The effect of a topical anaesthetic formulation, systemic flunixin and carprofen, singly or in combination, on cortisol and behavioural responses of Merino lambs to mulesing. <i>Australian Veterinary Journal</i> , 2007 , 85, 98-106	1.2	79
97	Sheep exhibit a positive judgement bias and stress-induced hyperthermia following shearing. <i>Applied Animal Behaviour Science</i> , 2011 , 131, 94-103	2.2	55
96	Chronic stress induces pessimistic-like judgment and learning deficits in sheep. <i>Applied Animal Behaviour Science</i> , 2013 , 148, 28-36	2.2	52
95	Fear and coping styles of outdoor-preferring, moderate-outdoor and indoor-preferring free-range laying hens. <i>Applied Animal Behaviour Science</i> , 2016 , 185, 73-77	2.2	47
94	Associative learning by cattle to enable effective and ethical virtual fences. <i>Applied Animal Behaviour Science</i> , 2009 , 119, 15-22	2.2	46
93	Attention bias to threat indicates anxiety differences in sheep. <i>Biology Letters</i> , 2016 , 12,	3.6	45
92	A review of environmental enrichment for laying hens during rearing in relation to their behavioral and physiological development. <i>Poultry Science</i> , 2019 , 98, 9-28	3.9	45
91	Administration of serotonin inhibitor p-Chlorophenylalanine induces pessimistic-like judgement bias in sheep. <i>Psychoneuroendocrinology</i> , 2011 , 36, 279-88	5	45
90	Does reduction of fearfulness tend to reduce pessimistic-like judgment in lambs?. <i>Applied Animal Behaviour Science</i> , 2012 , 139, 233-241	2.2	43
89	The design and evaluation of a mobile sensor/actuator network for autonomous animal control 2007 ,		42
88	Effects of meloxicam or tolfenamic acid administration on the pain and stress responses of Merino lambs to mulesing. <i>Australian Veterinary Journal</i> , 2008 , 86, 303-11	1.2	40
87	How assessing relationships between emotions and cognition can improve farm animal welfare. <i>OIE Revue Scientifique Et Technique</i> , 2014 , 33, 103-10	2.5	40
86	The effects of 12, 30, or 48 hours of road transport on the physiological and behavioral responses of sheep. <i>Journal of Animal Science</i> , 2010 , 88, 2144-52	0.7	39
85	Are hungry sheep more pessimistic? The effects of food restriction on cognitive bias and the involvement of ghrelin in its regulation. <i>Physiology and Behavior</i> , 2014 , 123, 67-75	3.5	38

84	The influence of land transport on animal welfare in extensive farming systems. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2009 , 4, 157-162	1.9	38
83	Performance and endocrine responses of group housed weaner pigs exposed to the air quality of a commercial environment. <i>Livestock Science</i> , 2005 , 93, 255-262		36
82	Anxiety influences attention bias but not flight speed and crush score in beef cattle. <i>Applied Animal Behaviour Science</i> , 2018 , 205, 210-215	2.2	36
81	Welfare consequences of mulesing of sheep. <i>Australian Veterinary Journal</i> , 2007 , 85, 89-93	1.2	34
80	Outdoor stocking density in free-range laying hens: radio-frequency identification of impacts on range use. <i>Animal</i> , 2017 , 11, 121-130	3.1	33
79	Development of a maze test and its application to assess spatial learning and memory in Merino sheep. <i>Applied Animal Behaviour Science</i> , 2006 , 96, 43-51	2.2	33
78	Effects of a topical anaesthetic formulation and systemic carprofen, given singly or in combination, on the cortisol and behavioural responses of Merino lambs to castration. <i>Australian Veterinary Journal</i> , 2009 , 87, 230-7	1.2	31
77	Methods of training cattle to avoid a location using electrical cues. <i>Applied Animal Behaviour Science</i> , 2007 , 108, 229-238	2.2	31
76	A Framework to Assess the Impact of New Animal Management Technologies on Welfare: A Case Study of Virtual Fencing. <i>Frontiers in Veterinary Science</i> , 2018 , 5, 187	3.1	30
75	Generating positive affective states in sheep: The influence of food rewards and opioid administration. <i>Applied Animal Behaviour Science</i> , 2014 , 154, 39-47	2.2	28
74	Impact of on-range choice feeding with black soldier fly larvae (<i>Hermetia illud</i>) on flock performance, egg quality, and range use of free-range laying hens. <i>Animal Nutrition</i> , 2018 , 4, 452-460	4.8	27
73	Acute stress enhances sensitivity to a highly attractive food reward without affecting judgement bias in laying hens. <i>Applied Animal Behaviour Science</i> , 2015 , 163, 135-143	2.2	26
72	Outdoor stocking density in free-range laying hens: effects on behaviour and welfare. <i>Animal</i> , 2017 , 11, 1036-1045	3.1	26
71	Virtual fencing of cattle using an automated collar in a feed attractant trial. <i>Applied Animal Behaviour Science</i> , 2018 , 200, 71-77	2.2	26
70	Tech-Savvy Beef Cattle? How Heifers Respond to Moving Virtual Fence Lines. <i>Animals</i> , 2017 , 7,	3.1	25
69	Stress-induced behavioral and metabolic adaptations lead to an obesity-prone phenotype in ewes with elevated cortisol responses. <i>Psychoneuroendocrinology</i> , 2014 , 47, 166-77	5	23
68	Controlling Within-Field Sheep Movement Using Virtual Fencing. <i>Animals</i> , 2018 , 8,	3.1	22
67	Towards a more practical attention bias test to assess affective state in sheep. <i>PLoS ONE</i> , 2018 , 13, e0190404	3.1	22

66	Opioid control of behaviour in sheep: Effects of morphine and naloxone on food intake, activity and the affective state. <i>Applied Animal Behaviour Science</i> , 2012 , 142, 18-29	2.2	22
65	Effect of the non-steroidal anti-inflammatory drug, carprofen, on weaned sheep following non-surgical mulesing by intradermal injection of cetrимide. <i>Australian Veterinary Journal</i> , 2009 , 87, 19-26 ^{1,2}		22
64	Virtual Fencing Is Comparable to Electric Tape Fencing for Cattle Behavior and Welfare. <i>Frontiers in Veterinary Science</i> , 2019 , 6, 445	3.1	22
63	Temporary Exclusion of Cattle from a Riparian Zone Using Virtual Fencing Technology. <i>Animals</i> , 2018 , 9,	3.1	21
62	The influence of odour, taste and nutrients on feeding behaviour and food preferences in horses. <i>Applied Animal Behaviour Science</i> , 2016 , 184, 41-50	2.2	21
61	Early enrichment in free-range laying hens: effects on ranging behaviour, welfare and response to stressors. <i>Animal</i> , 2018 , 12, 575-584	3.1	21
60	Developing an Ethically Acceptable Virtual Fencing System for Sheep. <i>Animals</i> , 2018 , 8,	3.1	21
59	The effect of low energy electric shock on cortisol, Endorphin, heart rate and behaviour of cattle. <i>Applied Animal Behaviour Science</i> , 2008 , 113, 32-42	2.2	20
58	Effect of loading practices and 6-hour road transport on the physiological responses of yearling cattle. <i>Australian Journal of Experimental Agriculture</i> , 2008 , 48, 1028		20
57	Application of open field, tonic immobility, and attention bias tests to hens with different ranging patterns. <i>PeerJ</i> , 2019 , 7, e8122	3.1	19
56	Spatial Cognition and Range Use in Free-Range Laying Hens. <i>Animals</i> , 2018 , 8,	3.1	18
55	Attention Bias Test Differentiates Anxiety and Depression in Sheep. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 246	3.5	18
54	Individual differences in personality in laying hens are related to learning a colour cue association. <i>Behavioural Processes</i> , 2017 , 134, 37-42	1.6	17
53	Development of a lameness model in sheep for assessing efficacy of analgesics. <i>Australian Veterinary Journal</i> , 2011 , 89, 297-304	1.2	16
52	Assessment of welfare of suckling lambs following intradermal injection of cetrимide as a non-surgical alternative to conventional mulesing. <i>Australian Veterinary Journal</i> , 2009 , 87, 12-8	1.2	16
51	Evaluating a novel analgesic strategy for ring castration of ram lambs. <i>Veterinary Anaesthesia and Analgesia</i> , 2012 , 39, 539-49	1.3	15
50	Preference of beef cattle for feedlot or pasture environments. <i>Applied Animal Behaviour Science</i> , 2013 , 145, 53-59	2.2	14
49	Social transmission of physiological and behavioural responses to castration in suckling Merino lambs. <i>Applied Animal Behaviour Science</i> , 2012 , 136, 136-145	2.2	14

48	Acceptance of novel food by horses: The influence of food cues and nutrient composition. <i>Applied Animal Behaviour Science</i> , 2016 , 183, 59-67	2.2	14
47	Learning and Judgment Can Be Affected by Predisposed Fearfulness in Laying Hens. <i>Frontiers in Veterinary Science</i> , 2017 , 4, 113	3.1	13
46	Evaluating pharmacological models of high and low anxiety in sheep. <i>PeerJ</i> , 2015 , 3, e1510	3.1	13
45	The Effect of Virtual Fencing Stimuli on Stress Responses and Behavior in Sheep. <i>Animals</i> , 2019 , 9,	3.1	13
44	Chronic stress influences attentional and judgement bias and the activity of the HPA axis in sheep. <i>PLoS ONE</i> , 2019 , 14, e0211363	3.7	12
43	Virtual Fencing Technology Excludes Beef Cattle from an Environmentally Sensitive Area. <i>Animals</i> , 2020 , 10,	3.1	12
42	Effectiveness of non-steroidal anti-inflammatory drugs and epidural anaesthesia in reducing the pain and stress responses to a surgical husbandry procedure (mulesing) in sheep. <i>Australian Journal of Experimental Agriculture</i> , 2008 , 48, 1034		12
41	Relationship between Rectal Temperature and Vaginal Temperature in Grazing Heifers. <i>Animals</i> , 2018 , 8,	3.1	12
40	Egg production and egg quality in free-range laying hens housed at different outdoor stocking densities. <i>Poultry Science</i> , 2017 , 96, 3128-3137	3.9	11
39	The Influence of Temperament on Body Temperature Response to Handling in Angus Cattle. <i>Animals</i> , 2020 , 10,	3.1	11
38	An attention bias test to assess anxiety states in laying hens. <i>PeerJ</i> , 2019 , 7, e7303	3.1	11
37	A randomised field study evaluating the effectiveness of buccal meloxicam and topical local anaesthetic formulations administered singly or in combination at improving welfare of female Merino lambs undergoing surgical mulesing and hot knife tail docking. <i>Research in Veterinary Science</i> , 2018 , 118, 207-214	2.5	10
36	A pen study evaluation of buccal meloxicam and topical anaesthetic at improving welfare of lambs undergoing surgical mulesing and hot knife tail docking. <i>Research in Veterinary Science</i> , 2018 , 118, 270-277	2.5	10
35	Behavioral aspects of electronic bull separation and mate allocation in multiple-sire mating paddocks. <i>Journal of Animal Science</i> , 2008 , 86, 1690-6	0.7	10
34	The influence of pharmacologically-induced affective states on attention bias in sheep. <i>PeerJ</i> , 2019 , 7, e7033	3.1	10
33	Pre-Exposure to an Electrical Stimulus Primes Associative Pairing of Audio and Electrical Stimuli for Dairy Heifers in a Virtual Fencing Feed Attractant Trial. <i>Animals</i> , 2020 , 10,	3.1	8
32	Pharmacologically-induced stress has minimal impact on judgement and attention biases in sheep. <i>Scientific Reports</i> , 2019 , 9, 11446	4.9	8
31	The importance of an audio cue warning in training sheep to a virtual fence and differences in learning when tested individually or in small groups. <i>Applied Animal Behaviour Science</i> , 2019 , 221, 104862	2.2	8

30	Browse-related behaviors of pastured horses in Australia: A survey. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , 2015 , 10, 48-53	1.9	8
29	Physiological and behavioural effects of intradermal injection of sodium lauryl sulfate as an alternative to mulesing in lambs. <i>Australian Veterinary Journal</i> , 2010 , 88, 483-9	1.2	8
28	Virtual Fence Responses Are Socially Facilitated in Beef Cattle. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 543158	3.1	8
27	Rearing Enrichments Affected Ranging Behavior in Free-Range Laying Hens. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 446	3.1	8
26	Does energy intake influence diet selection of novel forages by horses?. <i>Livestock Science</i> , 2016 , 186, 6-15	1.7	7
25	Self-administration by consumption of flunixin in feed alleviates the pain and inflammation associated with castration and tail docking of lambs. <i>Applied Animal Behaviour Science</i> , 2017 , 188, 26-33	2.2	7
24	Performance of sheep in a spatial maze is impeded by negative stimuli. <i>Applied Animal Behaviour Science</i> , 2014 , 151, 36-42	2.2	6
23	The effect of active immunization against adrenocorticotrophic hormone on cortisol, beta-endorphin, vocalization, and growth in pigs. <i>Journal of Animal Science</i> , 2005 , 83, 2372-9	0.7	6
22	Relationships Between Rearing Enrichments, Range Use, and an Environmental Stressor for Free-Range Laying Hen Welfare. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 480	3.1	6
21	Welfare of beef cattle in Australian feedlots: a review of the risks and measures. <i>Animal Production Science</i> , 2020 , 60, 1569	1.4	5
20	Social influence on the effectiveness of virtual fencing in sheep. <i>PeerJ</i> , 2020 , 8, e10066	3.1	5
19	Analysis of Cattle Social Transitional Behaviour: Attraction and Repulsion. <i>Sensors</i> , 2020 , 20,	3.8	5
18	Minimal Effects of Rearing Enrichments on Pullet Behaviour and Welfare. <i>Animals</i> , 2020 , 10,	3.1	4
17	Future challenges and opportunities in sheep welfare 2017 , 285-293		4
16	Effect of local infusion of NSAID analgesics administered alone or in combination on the pain associated with band castration in calves. <i>Australian Veterinary Journal</i> , 2015 , 93, 271-7	1.2	4
15	Randomised trial of the bioavailability and efficacy of orally administered flunixin, carprofen and ketoprofen in a pain model in sheep. <i>Australian Veterinary Journal</i> , 2015 , 93, 265-70	1.2	4
14	Palatability and pharmacokinetics of flunixin when administered to sheep through feed. <i>PeerJ</i> , 2016 , 4, e1800	3.1	4
13	The Influence of Predictability and Controllability on Stress Responses to the Aversive Component of a Virtual Fence. <i>Frontiers in Veterinary Science</i> , 2020 , 7, 580523	3.1	4

12	Attention Bias Test Measures Negative But Not Positive Affect in Sheep: A Replication Study. <i>Animals</i> , 2020 , 10,	3.1	4
11	A Novel Protocol to Assess Acclimation Rate in Bos taurus Heifers during Yard Weaning. <i>Animals</i> , 2018 , 8,	3.1	3
10	Efficacy of precisely injected single local bolus of lignocaine for alleviation of behavioural responses to pain during tail docking and castration of lambs with rubber rings. <i>Research in Veterinary Science</i> , 2020 , 133, 210-218	2.5	3
9	Validation of Real-Time Kinematic (RTK) Devices on Sheep to Detect Grazing Movement Leaders and Social Networks in Merino Ewes. <i>Sensors</i> , 2021 , 21,	3.8	3
8	The application of virtual fencing technology effectively herds cattle and sheep. <i>Animal Production Science</i> , 2021 , 61, 1393	1.4	2
7	A Multi-Disciplinary Approach to Assess the Welfare Impacts of a New Virtual Fencing Technology. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 637709	3.1	2
6	Rearing enrichments differentially modified hen personality traits and reduced prediction of range use. <i>Animal Behaviour</i> , 2021 , 179, 97-109	2.8	2
5	A novel protocol to measure startle magnitude in sheep. <i>Applied Animal Behaviour Science</i> , 2020 , 228, 104996	2.2	1
4	Impacts of Rearing Enrichments on Pullets and Free-Range Hens Positive Behaviors across the Flock Cycle.. <i>Animals</i> , 2022 , 12,	3.1	1
3	Preference testing for UV light spectrum and intensity in laying hens. <i>Poultry Science</i> , 2021 , 100, 101063	3.9	1
2	Cattle priorities 2018 , 93-122		0
1	A Perspective on Strategic Enrichment for Brain Development: Is This the Key to Animal Happiness?. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 720422	3.1	0