

# J B Gaughan

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/189152/j-b-gaughan-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

82

papers

2,274

citations

28

h-index

46

g-index

93

ext. papers

2,783

ext. citations

2.1

avg, IF

5.24

L-index

#	Paper	IF	Citations
82	The Use of Percutaneous Thermal Sensing Microchips to Measure Body Temperature in Horses during and after Exercise Using Three Different Cool-Down Methods. <i>Animals</i> , <b>2022</b> , 12, 1267	3.1	0
81	Opportunities, Challenges, and Ecological Footprint of Sustaining Small Ruminant Production in the Changing Climate Scenario <b>2021</b> , 365-396		1
80	Assessment of Performance and Some Welfare Indicators of Cows in Vietnamese Smallholder Dairy Farms. <i>Animals</i> , <b>2021</b> , 11,	3.1	1
79	Heat Stress and Goat Welfare: Adaptation and Production Considerations. <i>Animals</i> , <b>2021</b> , 11,	3.1	16
78	Characteristics of Cowsheds in Vietnamese Smallholder Dairy Farms and Their Associations with Microclimate-A Preliminary Study. <i>Animals</i> , <b>2021</b> , 11,	3.1	5
77	Thermoregulation of the bovine scrotum 2: simulated acute and chronic heat waves reduces the scrotal thermoregulatory capability of Wagyu bulls. <i>International Journal of Biometeorology</i> , <b>2021</b> , 1	3.7	0
76	Influence of feeding <i>Saccharomyces cerevisiae</i> on the heat load responses of lactating dairy cows during summer. <i>International Journal of Biometeorology</i> , <b>2021</b> , 1	3.7	1
75	The influence of shade availability on the effectiveness of the Dairy Heat Load Index (DHLI) to predict lactating cow behavior, physiology, and production traits. <i>International Journal of Biometeorology</i> , <b>2021</b> , 1	3.7	1
74	Applications of Infrared Thermal Imaging and Rumen Boluses for Quantifying Heat Stress in Cattle <b>2021</b> , 99-112		
73	Adaptation of Beef Cattle to Heat Stress Challenges <b>2021</b> , 29-38		
72	Body temperature of free-ranging koalas ( <i>Phascolarctos cinereus</i> ) in south-east Queensland. <i>International Journal of Biometeorology</i> , <b>2020</b> , 64, 1305-1318	3.7	3
71	Influence of shade on panting score and behavioural responses of <i>Bos taurus</i> and <i>Bos indicus</i> feedlot cattle to heat load. <i>Animal Production Science</i> , <b>2020</b> , 60, 305	1.4	12
70	Heat load increases the risk of clinical mastitis in dairy cattle. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 8378-8387	1.4	8
69	The influence of heat load on Merino sheep. 3. Cytokine and biochemistry profiles. <i>Animal Production Science</i> , <b>2020</b> , 60, 1940	1.4	0
68	The influence of heat load on Merino sheep. 2. Body temperature, wool surface temperature and respiratory dynamics. <i>Animal Production Science</i> , <b>2020</b> , 60, 1932	1.4	3
67	The influence of heat load on Merino sheep. 1. Growth, performance, behaviour and climate. <i>Animal Production Science</i> , <b>2020</b> , 60, 1925	1.4	
66	The Use of Percutaneous Thermal Sensing Microchips for Body Temperature Measurements in Horses Prior to, during and after Treadmill Exercise. <i>Animals</i> , <b>2020</b> , 10,	3.1	3

65	Sixty years of animal biometeorology. <i>International Journal of Biometeorology</i> , <b>2020</b> , 64, 157-163	3.7	4
64	Prediction models, assessment methodologies and biotechnological tools to quantify heat stress response in ruminant livestock. <i>International Journal of Biometeorology</i> , <b>2019</b> , 63, 1265-1281	3.7	15
63	The Impact of Heat Load on Cattle. <i>Animals</i> , <b>2019</b> , 9,	3.1	47
62	Evaluating rumen temperature as an estimate of core body temperature in Angus feedlot cattle during summer. <i>International Journal of Biometeorology</i> , <b>2019</b> , 63, 939-947	3.7	10
61	A panting score index for sheep. <i>International Journal of Biometeorology</i> , <b>2019</b> , 63, 973-978	3.7	9
60	PSII-4 Changes in body temperature of lot-fed Bos taurus and Bos indicus steers during a heat wave. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 235-235	0.7	78
59	147 Changes in body temperature of lot-fed Bos taurus and Bos indicus steers during a heat wave. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 150-150	0.7	78
58	Adaptation strategies: ruminants. <i>Animal Frontiers</i> , <b>2019</b> , 9, 47-53	5.5	29
57	Assessment of the carbon footprint of four commercial dairy production systems in Australia using an integrated farm system model. <i>Carbon Management</i> , <b>2018</b> , 9, 57-70	3.3	10
56	Effect of heat stress on rumen temperature of three breeds of cattle. <i>International Journal of Biometeorology</i> , <b>2018</b> , 62, 207-215	3.7	33
55	Short communication: using infrared thermography as an in situ measure of core body temperature in lot-fed Angus steers. <i>International Journal of Biometeorology</i> , <b>2018</b> , 62, 3-8	3.7	10
54	Review: Adaptation of animals to heat stress. <i>Animal</i> , <b>2018</b> , 12, s431-s444	3.1	117
53	Developing a heat load index for lactating dairy cows. <i>Animal Production Science</i> , <b>2018</b> , 58, 1387	1.4	16
52	Metabolic challenge: How does it affect welfare? <b>2018</b> , 227-240		
51	Effect of feeding slowly fermentable grains on productive variables and amelioration of heat stress in lactating dairy cows in a sub-tropical summer. <i>Tropical Animal Health and Production</i> , <b>2018</b> , 50, 1763-1769	1.7	18
50	Effect of multiple environmental stressors on the adaptive capability of Malpura rams based on physiological responses in a semi-arid tropical environment. <i>Journal of Veterinary Behavior: Clinical Applications and Research</i> , <b>2017</b> , 17, 6-13	1.9	21
49	Thermoregulation of the bovine scrotum 1: measurements of free-range animals in a paddock and pen. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 1381-1387	3.7	5
48	Biological role of melatonin during summer season related heat stress in livestock. <i>Biological Rhythm Research</i> , <b>2017</b> , 48, 297-314	0.8	6

47	Effect of feeding forage characteristic of wet- or dry-season tropical C4 grass in northern Australia, on methane production, intake and rumen outflow rates in <i>Bos indicus</i> steers. <i>Animal Production Science</i> , <b>2017</b> , 57, 2033	1.4	3
46	Measurement of bovine body and scrotal temperature using implanted temperature sensitive radio transmitters, data loggers and infrared thermography. <i>International Journal of Biometeorology</i> , <b>2017</b> , 61, 1309-1321	3.7	10
45	Biological functions as affected by summer season-related multiple environmental stressors (heat, nutritional and walking stress) in Malpura rams under semi-arid tropical environment. <i>Biological Rhythm Research</i> , <b>2017</b> , 48, 593-606	0.8	4
44	505 Developing heat stress thresholds for sheep. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 246-247	0.7	
43	Modeling of Greenhouse Gas Emission from Livestock. <i>Frontiers in Environmental Science</i> , <b>2016</b> , 4,	4.8	14
42	1281 A rumen bolus is a useful tool to monitor core body temperature in lactating dairy cows in a sub-tropical summer. <i>Journal of Animal Science</i> , <b>2016</b> , 94, 618-618	0.7	1
41	Comparison of the impact of six heat-load management strategies on thermal responses and milk production of feed-pad and pasture fed dairy cows in a subtropical environment. <i>International Journal of Biometeorology</i> , <b>2016</b> , 60, 1961-1968	3.7	7
40	Surgical implantation of temperature-sensitive transmitters and data-loggers to record body temperature in koalas ( <i>Phascolarctos cinereus</i> ). <i>Australian Veterinary Journal</i> , <b>2016</b> , 94, 42-7	1.2	8
39	Effects of selenium and vitamin E on performance, physiological response, and selenium balance in heat-stressed sheep. <i>Journal of Animal Science</i> , <b>2015</b> , 93, 576-88	0.7	29
38	Isolation of <i>Nocardia mexicana</i> from focal proliferative tenosynovitis and arthritis in a steer. <i>Australian Veterinary Journal</i> , <b>2015</b> , 93, 170-3	1.2	5
37	Body temperature and respiratory dynamics in un-shaded beef cattle. <i>International Journal of Biometeorology</i> , <b>2014</b> , 58, 1443-50	3.7	49
36	Dietary betaine supplementation has energy-sparing effects in feedlot cattle during summer, particularly in those without access to shade. <i>Animal Production Science</i> , <b>2014</b> , 54, 450	1.4	19
35	Identifying Archetypes of an Enhanced System Dynamics Causal Loop Diagram in Pursuit of Strategies to Improve Smallholder Beef Farming in Java, Indonesia. <i>Systems Research and Behavioral Science</i> , <b>2014</b> , 31, 642-654	1.8	16
34	Semen collection and seminal characteristics of the Australian saltwater crocodile ( <i>Crocodylus porosus</i> ). <i>Aquaculture</i> , <b>2014</b> , 422-423, 25-35	4.4	33
33	Amelioration of thermal stress impacts in dairy cows. <i>Animal Production Science</i> , <b>2013</b> , 53, 965	1.4	57
32	Effects of chronic heat stress on plasma concentration of secreted heat shock protein 70 in growing feedlot cattle. <i>Journal of Animal Science</i> , <b>2013</b> , 91, 120-9	0.7	62
31	Rethinking Heat Index Tools for Livestock <b>2012</b> , 243-265		10
30	Effect of various doses of injected selenium on performance and physiological responses of sheep to heat load. <i>Journal of Animal Science</i> , <b>2012</b> , 90, 2988-94	0.7	35

29	Physiological and behavioral responses of sheep to gaseous ammonia. <i>Journal of Animal Science</i> , <b>2012</b> , 90, 1562-9	0.7	15
28	Physiological responses of Australian Merino wethers exposed to high heat load. <i>Journal of Animal Science</i> , <b>2012</b> , 90, 212-20	0.7	44
27	Livestock production in a changing climate: adaptation and mitigation research in Australia. <i>Crop and Pasture Science</i> , <b>2012</b> , 63, 191	2.2	95
26	Basic Principles Involved in Adaption of Livestock to Climate Change <b>2012</b> , 245-261		6
25	Effect of shade area on performance and welfare of short-fed feedlot cattle. <i>Journal of Animal Science</i> , <b>2011</b> , 89, 2911-25	0.7	38
24	The physiological and behavioral responses of steers to gaseous ammonia in simulated long-distance transport by ship. <i>Journal of Animal Science</i> , <b>2010</b> , 88, 3579-89	0.7	21
23	A comprehensive index for assessing environmental stress in animals. <i>Journal of Animal Science</i> , <b>2010</b> , 88, 2153-65	0.7	121
22	Effect of shade on body temperature and performance of feedlot steers. <i>Journal of Animal Science</i> , <b>2010</b> , 88, 4056-67	0.7	77
21	Tympanic temperature in confined beef cattle exposed to excessive heat load. <i>International Journal of Biometeorology</i> , <b>2010</b> , 54, 629-35	3.7	29
20	Assessing the heat tolerance of 17 beef cattle genotypes. <i>International Journal of Biometeorology</i> , <b>2010</b> , 54, 617-27	3.7	109
19	Effects of sodium chloride and fat supplementation on finishing steers exposed to hot and cold conditions. <i>Journal of Animal Science</i> , <b>2009</b> , 87, 612-21	0.7	19
18	Chapter 5: Thermal Indices and Their Applications for Livestock Environments <b>2009</b> , 113-130		47
17	Cooling and feeding strategies to reduce heat load of grain-fed beef cattle in intensive housing. <i>Livestock Science</i> , <b>2008</b> , 113, 226-233	1.7	27
16	A new heat load index for feedlot cattle. <i>Journal of Animal Science</i> , <b>2008</b> , 86, 226-34	0.7	253
15	Behavioural effects of yearling grain-finished heifers exposed to differing environmental conditions and growth-promoting agents. <i>Australian Journal of Experimental Agriculture</i> , <b>2008</b> , 48, 1155		4
14	Effect of sprinkling on feedlot microclimate and cattle behavior. <i>International Journal of Biometeorology</i> , <b>2007</b> , 51, 541-51	3.7	31
13	Hormonal growth-promotant effects on grain-fed cattle maintained under different environments. <i>International Journal of Biometeorology</i> , <b>2005</b> , 49, 396-402	3.7	6
12	Feeding strategies for grain-fed cattle in a hot environment. <i>Australian Journal of Agricultural Research</i> , <b>2004</b> , 55, 719		16

11	Wetting and the physiological responses of grain-fed cattle in a heated environment. <i>Australian Journal of Agricultural Research</i> , <b>2004</b> , 55, 253		29
10	The effect of sodium chloride supplementation on the milk production of grazing Holstein Friesian cows during summer and autumn in a humid sub-tropical environment. <i>Animal Feed Science and Technology</i> , <b>2002</b> , 96, 147-160	3	10
9	Shade and wind barrier effects on summertime feedlot cattle performance. <i>Journal of Animal Science</i> , <b>1999</b> , 77, 2065-72	0.7	60
8	Extent and economic effect of heat loads on dairy cattle production in Australia. <i>Australian Veterinary Journal</i> , <b>1999</b> , 77, 804-8	1.2	32
7	Feedlot Diet Roughage Level for Hereford Cattle Exposed to Excessive Heat Load11Published as paper no. 11901, Journal Series, Nebraska Agric. Res. Div., Univ. Of Nebraska, Lincoln 68583-0908.. <i>The Professional Animal Scientist</i> , <b>1999</b> , 15, 53-62		36
6	Heat tolerance of Boran and Tuli crossbred steers. <i>Journal of Animal Science</i> , <b>1999</b> , 77, 2398-405	0.7	107
5	Growth Data of Broiler Chickens Fitted to Gompertz Function. <i>Asian-Australasian Journal of Animal Sciences</i> , <b>1999</b> , 12, 1177-1180	2.4	2
4	Shade preferences of lactating Holstein - Friesian cows. <i>Australian Journal of Experimental Agriculture</i> , <b>1998</b> , 38, 17		27
3	Wind protection effects and airflow patterns in outside feedlots. <i>Journal of Animal Science</i> , <b>1997</b> , 75, 26-36	0.7	49
2	Effect of body composition at selection on reproductive development in large white gilts. <i>Journal of Animal Science</i> , <b>1997</b> , 75, 1764-72	0.7	24
1	Effect of selection for leanness on overall reproductive performance in Large White sows. <i>Animal Science</i> , <b>1995</b> , 61, 561-564		16