

# Jon M Moorby

## List of Publications by Year in descending order

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77  
papers

2,994  
citations

201385

27  
h-index

168136

53  
g-index

81  
all docs

81  
docs citations

81  
times ranked

2874  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nutritional Evaluation of Tropical Forage Grass Alone and Grass-Legume Diets to Reduce in vitro Methane Production. <i>Frontiers in Sustainable Food Systems</i> , 2021, 5, .	1.8	4
2	The influence of supplemental feed protein concentration on growth and carcass characteristics of Short Horn Zebu bulls grazing natural pastures. <i>Scientific African</i> , 2021, 13, e00856.	0.7	2
3	Ambition Meets Reality: Achieving GHG Emission Reduction Targets in the Livestock Sector of Latin America. <i>Frontiers in Sustainable Food Systems</i> , 2020, 4, .	1.8	32
4	Effects of addition of nutritionally improved straw in dairy cow diets at 2 starch levels. <i>Journal of Dairy Science</i> , 2020, 103, 10233-10244.	1.4	3
5	Implementation solutions for greenhouse gas mitigation measures in livestock agriculture: A framework for coherent strategy. <i>Environmental Science and Policy</i> , 2019, 101, 232-244.	2.4	3
6	Integrated farm management for sustainable agriculture: Lessons for knowledge exchange and policy. <i>Land Use Policy</i> , 2019, 81, 834-842.	2.5	83
7	Challenges to implementing greenhouse gas mitigation measures in livestock agriculture: A conceptual framework for policymakers. <i>Environmental Science and Policy</i> , 2019, 92, 107-115.	2.4	17
8	Climate mitigation by dairy intensification depends on intensive use of spared grassland. <i>Global Change Biology</i> , 2018, 24, 681-693.	4.2	50
9	Effects of high-sugar grasses and improved manure management on the environmental footprint of milk production at the farm level. <i>Journal of Cleaner Production</i> , 2018, 202, 1241-1252.	4.6	19
10	Evaluating lifetime nitrogen use efficiency of dairy cattle: A modelling approach. <i>PLoS ONE</i> , 2018, 13, e0201638.	1.1	11
11	Spatially explicit estimation of heat stress-related impacts of climate change on the milk production of dairy cows in the United Kingdom. <i>PLoS ONE</i> , 2018, 13, e0197076.	1.1	34
12	Lactation and body composition responses to fat and protein supplies during the dry period in under-conditioned dairy cows. <i>Journal of Dairy Science</i> , 2017, 100, 1107-1121.	1.4	6
13	Characterization of the Microbiome along the Gastrointestinal Tract of Growing Turkeys. <i>Frontiers in Microbiology</i> , 2017, 8, 1089.	1.5	80
14	Lifetime nitrogen use efficiency of dairy cattle: model description and sensitivity analysis. <i>Advances in Animal Biosciences</i> , 2016, 7, 256-258.	1.0	0
15	Assessment of dietary ratios of red clover and corn silages on milk production and milk quality in dairy cows. <i>Journal of Dairy Science</i> , 2016, 99, 7982-7992.	1.4	25
16	Effect of breed and pasture type on methane emissions from weaned lambs offered fresh forage. <i>Journal of Agricultural Science</i> , 2015, 153, 1128-1134.	0.6	14
17	Can live weight be used as a proxy for enteric methane emissions from pasture-fed sheep?. <i>Scientific Reports</i> , 2015, 5, 17915.	1.6	19
18	Does Dietary Mitigation of Enteric Methane Production Affect Rumen Function and Animal Productivity in Dairy Cows?. <i>PLoS ONE</i> , 2015, 10, e0140282.	1.1	83

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19	Determination of the absolute accuracy of UK chamber facilities used in measuring methane emissions from livestock. <i>Measurement: Journal of the International Measurement Confederation</i> , 2015, 66, 272-279.	2.5	40
20	Mixed Grazing Systems Benefit both Upland Biodiversity and Livestock Production. <i>PLoS ONE</i> , 2014, 9, e89054.	1.1	56
21	Simultaneous quantification of purine and pyrimidine bases, nucleosides and their degradation products in bovine blood plasma by high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014, 1356, 197-210.	1.8	42
22	Measurement of rumen dry matter and neutral detergent fiber degradability of feeds by Fourier-transform infrared spectroscopy. <i>Journal of Dairy Science</i> , 2014, 97, 2361-2375.	1.4	18
23	Traditional vs Modern: Role of Breed Type in Determining Enteric Methane Emissions from Cattle Grazing as Part of Contrasting Grassland-Based Systems. <i>PLoS ONE</i> , 2014, 9, e107861.	1.1	19
24	Comparison of ryegrass and red clover on the fermentation pattern, microbial community and efficiency of diet utilisation in the rumen simulation technique (Rusitec). <i>Animal Production Science</i> , 2013, 53, 1052.	0.6	24
25	Estimation of feed crude protein concentration and rumen degradability by Fourier-transform infrared spectroscopy. <i>Journal of Dairy Science</i> , 2013, 96, 7867-7880.	1.4	13
26	Breeding for genetic improvement of forage plants in relation to increasing animal production with reduced environmental footprint. <i>Animal</i> , 2013, 7, 79-88.	1.3	39
27	Shifts in the Rumen Microbiota Due to the Type of Carbohydrate and Level of Protein Ingested by Dairy Cattle Are Associated with Changes in Rumen Fermentation. <i>Journal of Nutrition</i> , 2012, 142, 1684-1692.	1.3	213
28	Bacterial protein degradation by different rumen protozoal groups <sup>1</sup> . <i>Journal of Animal Science</i> , 2012, 90, 4495-4504.	0.2	83
29	Effects of dietary protein concentration and balance of absorbable amino acids on productive responses of dairy cows fed corn silage-based diets. <i>Journal of Dairy Science</i> , 2011, 94, 4647-4656.	1.4	33
30	Comparison of 2 high-throughput spectral techniques to predict differences in diet composition of grazing sheep and cattle <sup>1</sup> . <i>Journal of Animal Science</i> , 2010, 88, 1905-1913.	0.2	8
31	Relationship between Grazing Lamb Growth Rate and Blood Plasma Analytes as Profiled by Gas Chromatography with Time-of-Flight Mass Spectrometry (GC-TOF/MS).. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 913-917.	2.4	2
32	Oxidative Phenols in Forage Crops Containing Polyphenol Oxidase Enzymes. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 1371-1382.	2.4	66
33	Comparative diet selection by cattle and sheep grazing two contrasting heathland communities. <i>Agriculture, Ecosystems and Environment</i> , 2009, 129, 182-192.	2.5	37
34	Impact of diet selected by cattle and sheep grazing heathland communities on nutrient supply and faecal micro-flora activity. <i>Agriculture, Ecosystems and Environment</i> , 2009, 129, 367-377.	2.5	15
35	Colostrum production by primiparous and multiparous Holstein dairy cows and its usefulness as an estimator of full lactation milk yield. <i>Livestock Science</i> , 2009, 125, 323-325.	0.6	3
36	Assessment of dietary ratios of red clover and grass silages on milk production and milk quality in dairy cows. <i>Journal of Dairy Science</i> , 2009, 92, 1148-1160.	1.4	76

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37	Plasma glucose concentration is maintained during TSE infection of cattle and sheep. <i>Veterinary Research Communications</i> , 2008, 32, 193-199.	0.6	0
38	Effect of scrapie incubation on the concentrations of plasma amino acids and L-lactate in infected lambs. <i>Veterinary Research Communications</i> , 2008, 32, 591-597.	0.6	1
39	Profiling of plasma and faeces by FT-IR to differentiate between heathland plant diets offered to zero-grazed sheep. <i>Animal Feed Science and Technology</i> , 2008, 144, 65-81.	1.1	9
40	Normal ranges and temporal variation in plasma concentrations of l-lactate and free amino acids in adult sheep. <i>Research in Veterinary Science</i> , 2008, 85, 22-25.	0.9	4
41	Comparison of Red Clover and Ryegrass Silage for Dry Cows and Influence on Subsequent Lactation Performance. <i>Journal of Dairy Science</i> , 2008, 91, 3501-3511.	1.4	5
42	Changes in plasma metabolites and muscle glycogen are correlated to bovine spongiform encephalopathy in infected dairy cattle. <i>Research in Veterinary Science</i> , 2007, 83, 40-46.	0.9	5
43	Apparent Recovery of Duodenal Odd- and Branched-Chain Fatty Acids in Milk of Dairy Cows. <i>Journal of Dairy Science</i> , 2007, 90, 1775-1780.	1.4	41
44	Application of Gas Chromatography~Mass Spectrometry Metabolite Profiling Techniques to the Analysis of Heathland Plant Diets of Sheep. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1129-1138.	2.4	22
45	Effects of continuous or rotational grazing of two perennial ryegrass varieties on the chemical composition of the herbage and the performance of finishing lambs. <i>Grass and Forage Science</i> , 2007, 62, 255-264.	1.2	20
46	Effects of organic and conventional feeding regimes and husbandry methods on the quality of milk and dairy products. , 2007, , 97-116.		3
47	Effects of Dairy Cow Diet Forage Proportion on Duodenal Nutrient Supply and Urinary Purine Derivative Excretion. <i>Journal of Dairy Science</i> , 2006, 89, 3552-3562.	1.4	88
48	DETERMINING DIET COMPOSITION ON COMPLEX SWARDS USING n-ALKANES AND LONG-CHAIN FATTY ALCOHOLS. , 2006, 16, 1901-1910.		25
49	Effects of high-sugar ryegrass silage and mixtures with red clover silage on ruminant digestion. 1. In vitro and in vivo studies of nitrogen utilization1. <i>Journal of Animal Science</i> , 2006, 84, 3049-3060.	0.2	373
50	Increased concentration of water-soluble carbohydrate in perennial ryegrass ( <i>Lolium perenne</i> L.). Evaluation in dairy cows in early lactation. <i>Grass and Forage Science</i> , 2006, 61, 52-59.	1.2	120
51	Effects of ensiled forage legumes on performance of twin-bearing ewes and their progeny. <i>Animal Science</i> , 2005, 81, 271-282.	1.3	4
52	Association of body weight, loinlongissimus dorsian d backfat with body condition score in dry and lactating Holstein dairy cows. <i>Animal Science</i> , 2005, 80, 219-223.	1.3	14
53	Efficiency of microbial protein synthesis on red clover and ryegrass silages supplemented with barley by rumen simulation technique (RUSITEC). <i>Animal Feed Science and Technology</i> , 2005, 118, 79-91.	1.1	13
54	The use of non-prion biomarkers for the diagnosis of Transmissible Spongiform Encephalopathies in the live animal. <i>Veterinary Research</i> , 2005, 36, 665-683.	1.1	16

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55	Effect of feeding a high- or low-rumen escape protein supplement to dry Holstein cows and heifers within 3 weeks of calving on their productive and reproductive performance in the subsequent lactation. <i>Animal Feed Science and Technology</i> , 2004, 114, 42-57.	1.1	4
56	The effect of red clover formononetin content on live-weight gain, carcass characteristics and muscle equol content of finishing lambs. <i>Animal Science</i> , 2004, 79, 303-313.	1.3	37
57	Nutritive value of barley/kale bi-crop silage for lactating dairy cows. <i>Grass and Forage Science</i> , 2003, 58, 184-191.	1.2	7
58	Effect of increasing availability of water-soluble carbohydrates on in vitro rumen fermentation. <i>Animal Feed Science and Technology</i> , 2003, 104, 59-70.	1.1	82
59	Comparison of Grass and Legume Silages for Milk Production. 2. In Vivo and In Sacco Evaluations of Rumen Function. <i>Journal of Dairy Science</i> , 2003, 86, 2612-2621.	1.4	158
60	Rumen metabolism and nitrogen flow to the small intestine in steers offered <i>Lolium perenne</i> containing different levels of water-soluble carbohydrate. <i>Animal Science</i> , 2002, 74, 587-596.	1.3	91
61	Plasma metabolites indicate energy metabolism disruption during the preclinical phase of bovine spongiform encephalopathy infection. <i>Research in Veterinary Science</i> , 2002, 73, 191-193.	0.9	7
62	Effects of Level of Concentrate Feeding During the Second Gestation of Holstein-Friesian Dairy Cows. 1. Feed Intake and Milk Production. <i>Journal of Dairy Science</i> , 2002, 85, 169-177.	1.4	17
63	Effects of Level of Concentrate Feeding During the Second Gestation of Holstein-Friesian Dairy Cows. 2. Nitrogen Balance and Plasma Metabolites. <i>Journal of Dairy Science</i> , 2002, 85, 178-189.	1.4	24
64	Effects of varying the energy and protein supply to dry cows on high-forage systems. <i>Livestock Science</i> , 2002, 76, 125-136.	1.2	9
65	Effects of a stay-green trait on the concentrations and stability of fatty acids in perennial ryegrass. <i>Grass and Forage Science</i> , 2002, 57, 360-366.	1.2	23
66	Influence of Close-up Dry Period Protein Supplementation on Productive and Reproductive Performance of Holstein Cows in Their Subsequent Lactation. <i>Journal of Dairy Science</i> , 2001, 84, 2273-2283.	1.4	16
67	Increased concentration of water-soluble carbohydrate in perennial ryegrass ( <i>Lolium perenne</i> L.): milk production from late-lactation dairy cows. <i>Grass and Forage Science</i> , 2001, 56, 383-394.	1.2	298
68	Aspects of the metabolism of dairy cows during the incubation of bovine spongiform encephalopathy. <i>Veterinary Record</i> , 2000, 147, 409-412.	0.2	4
69	Effects of Altering Energy and Protein Supply to Dairy Cows During the Dry Period. 1. Intake, Body Condition, and Milk Production. <i>Journal of Dairy Science</i> , 2000, 83, 1782-1794.	1.4	63
70	Effects of Altering the Energy and Protein Supply to Dairy Cows During the Dry Period. 2. Metabolic and Hormonal Responses. <i>Journal of Dairy Science</i> , 2000, 83, 1795-1805.	1.4	35
71	Short Communication: The Effect of Duodenal Ammonia Infusions on Milk Production and Nitrogen Balance of the Dairy Cow. <i>Journal of Dairy Science</i> , 1999, 82, 2440-2442.	1.4	19
72	Response in the Yield of Milk Constituents to the Intake of Nutrients by Dairy Cows. AFRC Technical Committee on Responses to Nutrients, Report No. 11. G. Alderman, editor. Wallingford, Oxon: CAB INTERNATIONAL. 1998. pp. 112. £19.95 ISBN 0 85199 284 6. <i>British Journal of Nutrition</i> , 1999, 82, 77-78.	1.2	0

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73	Plasma biochemical values in the guanaco ( <i>Lama guanicoe</i> ) and a comparison with the sheep. <i>Animal Science</i> , 1998, 66, 209-216.	1.3	3
74	The effect of dietary fat and metabolizable energy supply on milk protein concentration of dairy cows. <i>Animal Science</i> , 1998, 67, 1-8.	1.3	2
75	The influence of dietary energy source and dietary protein level on milk protein concentration from dairy cows. <i>Animal Science</i> , 1996, 63, 1-10.	1.3	13
76	Effect of increasing digestible undegraded protein supply to dairy cows in late gestation on the yield and composition of milk during the subsequent lactation. <i>Animal Science</i> , 1996, 63, 201-213.	1.3	44
77	Changes in metabolism induced in <i>Helianthus</i> leaves by sudden hypoxia or chilling stress. <i>Canadian Journal of Botany</i> , 1990, 68, 266-269.	1.2	2