Jon M Moorby

List of Publications by Year
in descending order

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	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. Journal of Animal Science, 2006, 84, 3049-3060.	0.2	373
2	Increased concentration of water-soluble carbohydrate in perennial ryegrass (Lolium perenne L.): milk production from late-lactation dairy cows. Grass and Forage Science, 2001, 56, 383-394.	1.2	298
3	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. Journal of Nutrition, 2012, 142, 1684-1692.	1.3	213
4	Comparison of Grass and Legume Silages for Milk Production. 2. In Vivo and In Sacco Evaluations of Rumen Function. Journal of Dairy Science, 2003, 86, 2612-2621.	1.4	158
5	Increased concentration of water-soluble carbohydrate in perennial ryegrass (Lolium perenne L.). Evaluation in dairy cows in early lactation. Grass and Forage Science, 2006, 61, 52-59.	1.2	120
6	Rumen metabolism and nitrogen flow to the small intestine in steers offeredLolium perennecontaining different levels of water-soluble carbohydrate. Animal Science, 2002, 74, 587-596.	1.3	91
7	Effects of Dairy Cow Diet Forage Proportion on Duodenal Nutrient Supply and Urinary Purine Derivative Excretion. Journal of Dairy Science, 2006, 89, 3552-3562.	1.4	88
8	Bacterial protein degradation by different rumen protozoal groups1. Journal of Animal Science, 2012, 90, 4495-4504.	0.2	83
9	Does Dietary Mitigation of Enteric Methane Production Affect Rumen Function and Animal Productivity in Dairy Cows?. PLoS ONE, 2015, 10, e0140282.	1.1	83
10	Integrated farm management for sustainable agriculture: Lessons for knowledge exchange and policy. Land Use Policy, 2019, 81, 834-842.	2.5	83
11	Effect of increasing availability of water-soluble carbohydrates on in vitro rumen fermentation. Animal Feed Science and Technology, 2003, 104, 59-70.	1.1	82
12	Characterization of the Microbiome along the Gastrointestinal Tract of Growing Turkeys. Frontiers in Microbiology, 2017, 8, 1089.	1.5	80
13	Assessment of dietary ratios of red clover and grass silages on milk production and milk quality in dairy cows. Journal of Dairy Science, 2009, 92, 1148-1160.	1.4	76
14	Oxidative Phenols in Forage Crops Containing Polyphenol Oxidase Enzymes. Journal of Agricultural and Food Chemistry, 2010, 58, 1371-1382.	2.4	66
15	Effects of Altering Energy and Protein Supply to Dairy Cows During the Dry Period. 1. Intake, Body Condition, and Milk Production. Journal of Dairy Science, 2000, 83, 1782-1794.	1.4	63
16	Mixed Grazing Systems Benefit both Upland Biodiversity and Livestock Production. PLoS ONE, 2014, 9, e89054.	1.1	56
17	Climate mitigation by dairy intensification depends on intensive use of spared grassland. Global Change Biology, 2018, 24, 681-693.	4.2	50
18	Effect of increasing digestible undegraded protein supply to dairy cows in late gestation on the yield and composition of milk during the subsequent lactation. Animal Science, 1996, 63, 201-213.	1.3	44

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19	Simultaneous quantification of purine and pyrimidine bases, nucleosides and their degradation products in bovine blood plasma by high performance liquid chromatography tandem mass spectrometry. Journal of Chromatography A, 2014, 1356, 197-210.	1.8	42
20	Apparent Recovery of Duodenal Odd- and Branched-Chain Fatty Acids in Milk of Dairy Cows. Journal of Dairy Science, 2007, 90, 1775-1780.	1.4	41
21	Determination of the absolute accuracy of UK chamber facilities used in measuring methane emissions from livestock. Measurement: Journal of the International Measurement Confederation, 2015, 66, 272-279.	2.5	40
22	Breeding for genetic improvement of forage plants in relation to increasing animal production with reduced environmental footprint. Animal, 2013, 7, 79-88.	1.3	39
23	The effect of red clover formononetin content on live-weight gain, carcass characteristics and muscle equol content of finishing lambs. Animal Science, 2004, 79, 303-313.	1.3	37
24	Comparative diet selection by cattle and sheep grazing two contrasting heathland communities. Agriculture, Ecosystems and Environment, 2009, 129, 182-192.	2.5	37
25	Effects of Altering the Energy and Protein Supply to Dairy Cows During the Dry Period. 2. Metabolic and Hormonal Responses. Journal of Dairy Science, 2000, 83, 1795-1805.	1.4	35
26	Spatially explicit estimation of heat stress-related impacts of climate change on the milk production of dairy cows in the United Kingdom. PLoS ONE, 2018, 13, e0197076.	1.1	34
27	Effects of dietary protein concentration and balance of absorbable amino acids on productive responses of dairy cows fed corn silage-based diets. Journal of Dairy Science, 2011, 94, 4647-4656.	1.4	33
28	Ambition Meets Reality: Achieving GHG Emission Reduction Targets in the Livestock Sector of Latin America. Frontiers in Sustainable Food Systems, 2020, 4, .	1.8	32
29	DETERMINING DIET COMPOSITION ON COMPLEX SWARDS USING n-ALKANES AND LONG-CHAIN FATTY ALCOHOLS. , 2006, 16, 1901-1910.		25
30	Assessment of dietary ratios of red clover and corn silages on milk production and milk quality in dairy cows. Journal of Dairy Science, 2016, 99, 7982-7992.	1.4	25
31	Effects of Level of Concentrate Feeding During the Second Gestation of Holstein-Friesian Dairy Cows. 2. Nitrogen Balance and Plasma Metabolites. Journal of Dairy Science, 2002, 85, 178-189.	1.4	24
32	Comparison of ryegrass and red clover on the fermentation pattern, microbial community and efficiency of diet utilisation in the rumen simulation technique (Rusitec). Animal Production Science, 2013, 53, 1052.	0.6	24
33	Effects of a stay-green trait on the concentrations and stability of fatty acids in perennial ryegrass. Grass and Forage Science, 2002, 57, 360-366.	1.2	23
34	Application of Gas Chromatographyâ^'Mass Spectrometry Metabolite Profiling Techniques to the Analysis of Heathland Plant Diets of Sheep. Journal of Agricultural and Food Chemistry, 2007, 55, 1129-1138.	2.4	22
35	Effects of continuous or rotational grazing of two perennial ryegrass varieties on the chemical composition of the herbage and the performance of finishing lambs. Grass and Forage Science, 2007, 62, 255-264.	1.2	20
36	Short Communication: The Effect of Duodenal Ammonia Infusions on Milk Production and Nitrogen Balance of the Dairy Cow. Journal of Dairy Science, 1999, 82, 2440-2442.	1.4	19

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37	Can live weight be used as a proxy for enteric methane emissions from pasture-fed sheep?. Scientific Reports, 2015, 5, 17915.	1.6	19
38	Effects of high-sugar grasses and improved manure management on the environmental footprint of milk production at the farm level. Journal of Cleaner Production, 2018, 202, 1241-1252.	4.6	19
39	Traditional vs Modern: Role of Breed Type in Determining Enteric Methane Emissions from Cattle Grazing as Part of Contrasting Grassland-Based Systems. PLoS ONE, 2014, 9, e107861.	1.1	19
40	Measurement of rumen dry matter and neutral detergent fiber degradability of feeds by Fourier-transform infrared spectroscopy. Journal of Dairy Science, 2014, 97, 2361-2375.	1.4	18
41	Effects of Level of Concentrate Feeding During the Second Gestation of Holstein-Friesian Dairy Cows. 1. Feed Intake and Milk Production. Journal of Dairy Science, 2002, 85, 169-177.	1.4	17
42	Challenges to implementing greenhouse gas mitigation measures in livestock agriculture: A conceptual framework for policymakers. Environmental Science and Policy, 2019, 92, 107-115.	2.4	17
43	Influence of Close-up Dry Period Protein Supplementation on Productive and Reproductive Performance of Holstein Cows in Their Subsequent Lactation. Journal of Dairy Science, 2001, 84, 2273-2283.	1.4	16
44	The use of non-prion biomarkers for the diagnosis of Transmissible Spongiform Encephalopathies in the live animal. Veterinary Research, 2005, 36, 665-683.	1.1	16
45	Impact of diet selected by cattle and sheep grazing heathland communities on nutrient supply and faecal micro-flora activity. Agriculture, Ecosystems and Environment, 2009, 129, 367-377.	2.5	15
46	Association of body weight, loinlongissimus dorsiand backfat with body condition score in dry and lactating Holstein dairy cows. Animal Science, 2005, 80, 219-223.	1.3	14
47	Effect of breed and pasture type on methane emissions from weaned lambs offered fresh forage. Journal of Agricultural Science, 2015, 153, 1128-1134.	0.6	14
48	The influence of dietary energy source and dietary protein level on milk protein concentration from dairy cows. Animal Science, 1996, 63, 1-10.	1.3	13
49	Efficiency of microbial protein synthesis on red clover and ryegrass silages supplemented with barley by rumen simulation technique (RUSITEC). Animal Feed Science and Technology, 2005, 118, 79-91.	1.1	13
50	Estimation of feed crude protein concentration and rumen degradability by Fourier-transform infrared spectroscopy. Journal of Dairy Science, 2013, 96, 7867-7880.	1.4	13
51	Evaluating lifetime nitrogen use efficiency of dairy cattle: A modelling approach. PLoS ONE, 2018, 13, e0201638.	1.1	11
52	Effects of varying the energy and protein supply to dry cows on high-forage systems. Livestock Science, 2002, 76, 125-136.	1.2	9
53	Profiling of plasma and faeces by FT-IR to differentiate between heathland plant diets offered to zero-grazed sheep. Animal Feed Science and Technology, 2008, 144, 65-81.	1.1	9
54	Comparison of 2 high-throughput spectral techniques to predict differences in diet composition of grazing sheep and cattle1. Journal of Animal Science, 2010, 88, 1905-1913.	0.2	8

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55	Plasma metabolites indicate energy metabolism disruption during the preclinical phase of bovine spongiform encephalopathy infection. Research in Veterinary Science, 2002, 73, 191-193.	0.9	7
56	Nutritive value of barley/kale bi-crop silage for lactating dairy cows. Grass and Forage Science, 2003, 58, 184-191.	1.2	7
57	Lactation and body composition responses to fat and protein supplies during the dry period in under-conditioned dairy cows. Journal of Dairy Science, 2017, 100, 1107-1121.	1.4	6
58	Changes in plasma metabolites and muscle glycogen are correlated to bovine spongiform encephalopathy in infected dairy cattle. Research in Veterinary Science, 2007, 83, 40-46.	0.9	5
59	Comparison of Red Clover and Ryegrass Silage for Dry Cows and Influence on Subsequent Lactation Performance. Journal of Dairy Science, 2008, 91, 3501-3511.	1.4	5
60	Aspects of the metabolism of dairy cows during the incubation of bovine spongiform encephalopathy. Veterinary Record, 2000, 147, 409-412.	0.2	4
61	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. Animal Feed Science and Technology, 2004, 114, 42-57.	1.1	4
62	Effects of ensiled forage legumes on performance of twin-bearing ewes and their progeny. Animal Science, 2005, 81, 271-282.	1.3	4
63	Normal ranges and temporal variation in plasma concentrations of l-lactate and free amino acids in adult sheep. Research in Veterinary Science, 2008, 85, 22-25.	0.9	4
64	Nutritional Evaluation of Tropical Forage Grass Alone and Grass-Legume Diets to Reduce in vitro Methane Production. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	4
65	Plasma biochemical values in the guanaco (Lama guanicoe) and a comparison with the sheep. Animal Science, 1998, 66, 209-216.	1.3	3
66	Colostrum production by primiparous and multiparous Holstein dairy cows and its usefulness as an estimator of full lactation milk yield. Livestock Science, 2009, 125, 323-325.	0.6	3
67	Implementation solutions for greenhouse gas mitigation measures in livestock agriculture: A framework for coherent strategy. Environmental Science and Policy, 2019, 101, 232-244.	2.4	3
68	Effects of organic and conventional feeding regimes and husbandry methods on the quality of milk and dairy products. , 2007, , 97-116.		3
69	Effects of addition of nutritionally improved straw in dairy cow diets at 2 starch levels. Journal of Dairy Science, 2020, 103, 10233-10244.	1.4	3
70	Changes in metabolism induced in Helianthus leaves by sudden hypoxia or chilling stress. Canadian Journal of Botany, 1990, 68, 266-269.	1.2	2
71	The effect of dietary fat and metabolizable energy supply on milk protein concentration of dairy cows. Animal Science, 1998, 67, 1-8.	1.3	2
72	Relationship between Grazing Lamb Growth Rate and Blood Plasma Analytes as Profiled by Gas Chromatography with Time-of-Flight Mass Spectrometry (GC-TOF/MS).. Journal of Agricultural and Food Chemistry, 2010, 58, 913-917.	2.4	2

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73	The influence of supplemental feed protein concentration on growth and carcass characteristics of Short Horn Zebu bulls grazing natural pastures. Scientific African, 2021, 13, e00856.	0.7	2
74	Effect of scrapie incubation on the concentrations of plasma amino acids and L-lactate in infected lambs. Veterinary Research Communications, 2008, 32, 591-597.	0.6	1
75	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. Â£19.95 ISBN 0 85199 284 6. British Journal of Nutrition, 1999, 82, 77-78.	1.2	0
76	Plasma glucose concentration is maintained during TSE infection of cattle and sheep. Veterinary Research Communications, 2008, 32, 193-199.	0.6	0
77	Lifetime nitrogen use efficiency of dairy cattle: model description and sensitivity analysis. Advances in Animal Biosciences, 2016, 7, 256-258.	1.0	0