

Christopher K Reynolds

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.

31 papers	1,225 citations	18 h-index	32 g-index
32 ext. papers	1,399 ext. citations	4.7 avg, IF	3.91 L-index

#	Paper	IF	Citations
31	Effects of diet forage-to-concentrate ratio and intake on energy metabolism in growing beef heifers: whole body energy and nitrogen balance and visceral heat production. <i>Journal of Nutrition</i> , 1991 , 121, 994-1003	4.1	144
30	Effect of prepartum propylene glycol administration on periparturient fatty liver in dairy cows. <i>Journal of Dairy Science</i> , 1993 , 76, 2931-9	4	126
29	Techniques for measuring blood flow in splanchnic tissues of cattle. <i>Journal of Dairy Science</i> , 1989 , 72, 1583-95	4	104
28	Associations between dairy consumption and body weight: a review of the evidence and underlying mechanisms. <i>Nutrition Research Reviews</i> , 2011 , 24, 72-95	7	101
27	Prediction of enteric methane production, yield, and intensity in dairy cattle using an intercontinental database. <i>Global Change Biology</i> , 2018 , 24, 3368-3389	11.4	92
26	Effects of diet forage-to-concentrate ratio and intake on energy metabolism in growing beef heifers: net nutrient metabolism by visceral tissues. <i>Journal of Nutrition</i> , 1991 , 121, 1004-15	4.1	80
25	Net portal-drained visceral and hepatic metabolism of glucose, L-lactate, and nitrogenous compounds in lactating holstein cows. <i>Journal of Dairy Science</i> , 1988 , 71, 1803-12	4	72
24	Net metabolism of volatile fatty acids, D-beta-hydroxybutyrate, nonesterified fatty acids, and blood gases by portal-drained viscera and liver of lactating Holstein cows. <i>Journal of Dairy Science</i> , 1988 , 71, 2395-405	4	65
23	Metabolism of nitrogenous compounds by ruminant liver. <i>Journal of Nutrition</i> , 1992 , 122, 850-4	4.1	63
22	The impact of obesity-related SNP on appetite and energy intake. <i>British Journal of Nutrition</i> , 2013 , 110, 1151-6	3.6	50
21	Oxygen consumption and metabolite flux of bovine portal-drained viscera and liver. <i>Journal of Nutrition</i> , 1987 , 117, 1167-73	4.1	46
20	Differential effects of dairy snacks on appetite, but not overall energy intake. <i>British Journal of Nutrition</i> , 2012 , 108, 2274-85	3.6	42
19	Abomasal infusion of casein, starch and soybean oil differentially affect plasma concentrations of gut peptides and feed intake in lactating dairy cows. <i>Domestic Animal Endocrinology</i> , 2008 , 35, 35-45	2.3	39
18	Partition of portal-drained visceral net flux in beef steers. 2. Net flux of volatile fatty acids, D-beta-hydroxybutyrate and L-lactate across stomach and post-stomach tissues. <i>British Journal of Nutrition</i> , 1988 , 60, 553-62	3.6	37
17	Net metabolism of hormones by portal-drained viscera and liver of lactating holstein cows. <i>Journal of Dairy Science</i> , 1989 , 72, 1459-68	4	27
16	Changes in energy metabolite and regulatory hormone concentrations and net fluxes across splanchnic and peripheral tissues in fed and progressively fasted ewes. <i>Journal of Nutrition</i> , 1986 , 116, 2516-24	4.1	26
15	Prediction of enteric methane production, yield and intensity of beef cattle using an intercontinental database. <i>Agriculture, Ecosystems and Environment</i> , 2019 , 283, 106575	5.7	25

14	Livestock and Climate Change Impacts in the Developing World. <i>Outlook on Agriculture</i> , 2010 , 39, 245-248	2.9	22
13	Evaluation of the performance of existing mathematical models predicting enteric methane emissions from ruminants: Animal categories and dietary mitigation strategies. <i>Animal Feed Science and Technology</i> , 2019 , 255, 114207	3	9
12	Liquid Atmospheric Pressure Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Adds Enhanced Functionalities to MALDI MS Profiling for Disease Diagnostics. <i>ACS Omega</i> , 2019 , 4, 12759-12763	2.9	9
11	Influence of ruminal methane on digesta retention and digestive physiology in non-lactating dairy cattle. <i>British Journal of Nutrition</i> , 2016 , 116, 763-73	3.6	9
10	Beneficial effects of multi-species mixtures on NO emissions from intensively managed grassland swards. <i>Science of the Total Environment</i> , 2021 , 792, 148163	10.2	8
9	Regulation of nutrient partitioning by visceral tissues in ruminants. <i>Journal of Nutrition</i> , 1994 , 124, 1399S-1403S	4.1	5
8	Speciation and milk adulteration analysis by rapid ambient liquid MALDI mass spectrometry profiling using machine learning. <i>Scientific Reports</i> , 2021 , 11, 3305	4.9	6
7	Full adoption of the most effective strategies to mitigate methane emissions by ruminants can help meet the 1.5 °C target by 2030 but not 2050.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2111294119	11.5	5
6	Particle size distribution of forages and mixed rations, and their relationship with ration variability and performance of UK dairy herds. <i>Livestock Science</i> , 2018 , 217, 108-115	1.7	4
5	LAP-MALDI MS coupled with machine learning: an ambient mass spectrometry approach for high-throughput diagnostics.. <i>Chemical Science</i> , 2022 , 13, 1746-1758	9.4	3
4	Prediction of Lignin Content in Ruminant Diets and Fecal Samples Using Rapid Analytical Techniques. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 13031-13040	5.7	3
3	A computer vision approach to improving cattle digestive health by the monitoring of faecal samples. <i>Scientific Reports</i> , 2020 , 10, 17557	4.9	2
2	Intravenous glucagon like peptide-1 infusion does not affect dry matter intake or hypothalamic mRNA expression of neuropeptide Y, agouti related peptide and proopiomelanocortin in wethers. <i>Canadian Journal of Animal Science</i> , 2014 , 94, 357-362	0.9	0
1	Equations to predict nitrogen outputs in manure, urine and faeces from beef cattle fed diets with contrasting crude protein concentration. <i>Journal of Environmental Management</i> , 2021 , 295, 113074	7.9	0