

Pekka Huhtanen

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140
papers

6,627
citations

44
h-index

78
g-index

145
ext. papers

7,764
ext. citations

3
avg, IF

5.98
L-index

#	Paper	IF	Citations
140	Determination of reticulo-rumen and whole-stomach digestion in lactating cows by omasal canal or duodenal sampling. <i>British Journal of Nutrition</i> , 2000 , 83, 67-77	3.6	370
139	Evaluation of the factors affecting silage intake of dairy cows: a revision of the relative silage dry-matter intake index. <i>Animal</i> , 2007 , 1, 758-70	3.1	357
138	Effect of dietary fish oil on biohydrogenation of fatty acids and milk fatty acid content in cows. <i>Animal Science</i> , 2003 , 77, 165-179		297
137	The use of internal markers to predict total digestibility and duodenal flow of nutrients in cattle given six different diets. <i>Animal Feed Science and Technology</i> , 1994 , 48, 211-227	3	286
136	Supplementing barley or rapeseed meal to dairy cows fed grass-red clover silage: II. Amino acid profile of microbial fractions ¹ . <i>Journal of Animal Science</i> , 2002 , 80, 2188-2196	0.7	237
135	Ruminal large and small particle kinetics in dairy cows fed red clover and grass silages harvested at two stages of growth. <i>Animal Feed Science and Technology</i> , 2010 , 155, 86-98	3	235
134	Effect of forage conservation method, concentrate level and propylene glycol on intake, feeding behaviour and milk production of dairy cows. <i>Animal Science</i> , 2002 , 74, 383-397		235
133	Compartmental flux and in situ methods underestimate total feed nitrogen as judged by the omasal sampling method due to ignoring soluble feed nitrogen flow. <i>British Journal of Nutrition</i> , 2014 , 111, 535-46	3.6	223
132	Evaluation of milk urea nitrogen as a diagnostic of protein feeding. <i>Journal of Dairy Science</i> , 2004 , 87, 386-98	4	199
131	A meta-analysis of the effects of dietary protein concentration and degradability on milk protein yield and milk N efficiency in dairy cows. <i>Journal of Dairy Science</i> , 2009 , 92, 3222-32	4	189
130	Development of equations for predicting methane emissions from ruminants. <i>Journal of Dairy Science</i> , 2013 , 96, 2476-2493	4	145
129	Omasal sampling technique for assessing fermentative digestion in the forestomach of dairy cows. <i>Journal of Animal Science</i> , 1997 , 75, 1380-92	0.7	131
128	An evaluation of the performance and efficiency of nitrogen utilization in cattle fed tropical grass pastures with supplementation. <i>Livestock Science</i> , 2014 , 162, 141-153	1.7	123
127	Response of dairy cows fed grass silage diets to abomasal infusions of histidine alone or in combinations with methionine and lysine. <i>Journal of Dairy Science</i> , 1999 , 82, 2674-85	4	115
126	Recent developments in forage evaluation with special reference to practical applications. <i>Agricultural and Food Science</i> , 2006 , 15, 293	2	99
125	Digestive processes of dairy cows fed silages harvested at four stages of grass maturity. <i>Journal of Animal Science</i> , 2002 , 80, 1986-98	0.7	95
124	Comparison of methods to determine methane emissions from dairy cows in farm conditions. <i>Journal of Dairy Science</i> , 2015 , 98, 3394-409	4	94

123	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
122	Evaluation of canola meal as a protein supplement for dairy cows: A review and a meta-analysis. <i>Canadian Journal of Animal Science</i> , 2011 , 91, 529-543	0.9	92
121	Effect of incremental levels of sunflower-seed oil in the diet on ruminal lipid metabolism in lactating cows. <i>British Journal of Nutrition</i> , 2008 , 99, 971-83	3.6	88
120	A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. <i>Science Advances</i> , 2019 , 5, eaav8391	14.3	87
119	Prediction of the relative intake potential of grass silage by dairy cows. <i>Livestock Science</i> , 2002 , 73, 111-130		78
118	A meta-analysis of feed digestion in dairy cows. 2. The effects of feeding level and diet composition on digestibility. <i>Journal of Dairy Science</i> , 2009 , 92, 5031-42	4	73
117	Comparison of methods, markers, sampling sites and models for estimating digesta passage kinetics in cattle fed at two levels of intake. <i>Animal Feed Science and Technology</i> , 1995 , 52, 141-158	3	73
116	The effects of barley, unmolassed sugar-beet pulp and molasses supplements on organic matter, nitrogen and fibre digestion in the rumen of cattle given a silage diet. <i>Animal Feed Science and Technology</i> , 1988 , 20, 259-278	3	73
115	A meta-analysis of feed digestion in dairy cows. 1. The effects of forage and concentrate factors on total diet digestibility. <i>Journal of Dairy Science</i> , 2009 , 92, 5019-30	4	70
114	Utilization and partition of dietary nitrogen in dairy cows fed grass silage-based diets. <i>Journal of Dairy Science</i> , 2008 , 91, 3589-99	4	70
113	Dietary fish oil supplements modify ruminal biohydrogenation, alter the flow of fatty acids at the omasum, and induce changes in the ruminal <i>Butyrivibrio</i> population in lactating cows. <i>Journal of Nutrition</i> , 2012 , 142, 1437-48	4.1	69
112	Quantifying ruminal nitrogen metabolism using the omasal sampling technique in cattle--a meta-analysis. <i>Journal of Dairy Science</i> , 2010 , 93, 3216-30	4	66
111	A meta-analysis of passage rate estimated by rumen evacuation with cattle and evaluation of passage rate prediction models. <i>Journal of Dairy Science</i> , 2010 , 93, 5890-901	4	60
110	Prediction of indigestible cell wall fraction of grass silage by near infrared reflectance spectroscopy. <i>Animal Feed Science and Technology</i> , 2004 , 115, 295-311	3	59
109	Silages harvested at different stages of grass growth v. concentrate foods as energy and protein sources in milk production. <i>Animal Science</i> , 1999 , 69, 251-263		57
108	Invited review: Nitrogen in ruminant nutrition: A review of measurement techniques. <i>Journal of Dairy Science</i> , 2019 , 102, 5811-5852	4	56
107	Symposium review: Uncertainties in enteric methane inventories, measurement techniques, and prediction models. <i>Journal of Dairy Science</i> , 2018 , 101, 6655-6674	4	56
106	The effects of forage preservation method and proportion of concentrate on nitrogen digestion and rumen fermentation in cattle. <i>Grass and Forage Science</i> , 1993 , 48, 146-154	2.3	56

105	Effect of diet composition and incubation time on feed indigestible neutral detergent fiber concentration in dairy cows. <i>Journal of Dairy Science</i> , 2013 , 96, 1715-26	4	55
104	Supplementing barley or rapeseed meal to dairy cows fed grass-red clover silage: I. Rumen degradability and microbial flow ¹ . <i>Journal of Animal Science</i> , 2002 , 80, 2176-2187	0.7	54
103	Effect of forage conservation method, concentrate level and propylene glycol on diet digestibility, rumen fermentation, blood metabolite concentrations and nutrient utilisation of dairy cows. <i>Animal Feed Science and Technology</i> , 2002 , 97, 1-21	3	52
102	The effects of forage preservation method and proportion of concentrate on digestion of cell wall carbohydrates and rumen digesta pool size in cattle. <i>Grass and Forage Science</i> , 1993 , 48, 155-165	2.3	52
101	The effect of cutting time of grass silage in primary growth and regrowth and the interactions between silage quality and concentrate level on milk production of dairy cows. <i>Livestock Science</i> , 2008 , 116, 171-182	1.7	51
100	Prediction of the digestibility of the primary growth of grass silages harvested at different stages of maturity from chemical composition and pepsin-cellulase solubility. <i>Animal Feed Science and Technology</i> , 2003 , 103, 97-111	3	50
99	Responses to graded postruminal doses of histidine in dairy cows fed grass silage diets. <i>Journal of Dairy Science</i> , 2000 , 83, 2596-608	4	49
98	Dietary fish oil supplements depress milk fat yield and alter milk fatty acid composition in lactating cows fed grass silage-based diets. <i>Journal of Dairy Science</i> , 2015 , 98, 5653-71	4	47
97	Grass maturity effects on cattle fed silage-based diets. 2. Cell wall digestibility, digestion and passage kinetics. <i>Animal Feed Science and Technology</i> , 1997 , 67, 19-35	3	45
96	Quantifying ruminal digestion of organic matter and neutral detergent fiber using the omasal sampling technique in cattle--a meta-analysis. <i>Journal of Dairy Science</i> , 2010 , 93, 3203-15	4	43
95	Evaluation of between-cow variation in milk urea and rumen ammonia nitrogen concentrations and the association with nitrogen utilization and diet digestibility in lactating cows. <i>Journal of Dairy Science</i> , 2015 , 98, 3182-96	4	41
94	Comparison of heat-treated rapeseed expeller and solvent-extracted soya-bean meal as protein supplements for dairy cows given grass silage-based diets. <i>Animal Science</i> , 2003 , 77, 305-317		41
93	Quantitation of the flow of soluble non-ammonia nitrogen entering the omasal canal of dairy cows fed grass silage based diets. <i>Animal Feed Science and Technology</i> , 2002 , 96, 203-220	3	41
92	A meta-analysis of variability in continuous-culture ruminal fermentation and digestibility data. <i>Journal of Dairy Science</i> , 2012 , 95, 5299-5307	4	40
91	Relationships between silage fermentation characteristics and milk production parameters: analyses of literature data. <i>Livestock Science</i> , 2003 , 81, 57-73		38
90	Evaluation of concentrate factors affecting silage intake of dairy cows: a development of the relative total diet intake index. <i>Animal</i> , 2008 , 2, 942-53	3.1	36
89	An overview of silage research in Finland: from ensiling innovation to advances in dairy cow feeding. <i>Agricultural and Food Science</i> , 2013 , 22, 35-56	2	35
88	Determination of digesta flow entering the omasal canal of dairy cows using different marker systems. <i>British Journal of Nutrition</i> , 2003 , 90, 41-52	3.6	34

87	A meta-analytical evaluation of the regulation of voluntary intake in cattle fed tropical forage-based diets. <i>Journal of Animal Science</i> , 2014 , 92, 4632-41	0.7	33
86	Effects of level of nitrogen fertilizer application and various nitrogenous supplements on milk production and nitrogen utilization of dairy cows given grass silage-based diets. <i>Animal Science</i> , 2001 , 73, 541-554		32
85	Volatile fatty acid proportions and microbial protein synthesis in the rumen of cattle receiving grass silage ensiled with different rates of formic acid. <i>Grass and Forage Science</i> , 2006 , 61, 282-292	2.3	31
84	Review: Selecting for improved feed efficiency and reduced methane emissions in dairy cattle. <i>Animal</i> , 2018 , 12, s336-s349	3.1	31
83	Comparison of the ruminal metabolism of nitrogen from 15N-labeled alfalfa preserved as hay or as silage. <i>Journal of Dairy Science</i> , 2001 , 84, 2738-50	4	30
82	Between-cow variation in digestion and rumen fermentation variables associated with methane production. <i>Journal of Dairy Science</i> , 2017 , 100, 4409-4424	4	29
81	Comparison of the protein evaluation systems of feeds for dairy cows. <i>Livestock Science</i> , 1998 , 55, 33-46		29
80	In vitro gas production profiles to estimate extent and effective first-order rate of neutral detergent fiber digestion in the rumen. <i>Journal of Animal Science</i> , 2008 , 86, 651-9	0.7	29
79	Development of an in vitro method for determination of methane production kinetics using a fully automated in vitro gas system and a modelling approach. <i>Animal Feed Science and Technology</i> , 2012 , 174, 190-200	3	28
78	Comparison of feed intake and milk production responses in continuous and change-over design dairy cow experiments. <i>Livestock Science</i> , 2012 , 143, 184-194	1.7	27
77	Cell wall digestion and passage kinetics estimated by marker and in situ methods or by rumen evacuations in cattle fed hay 2 or 18 times daily. <i>Animal Feed Science and Technology</i> , 2007 , 133, 206-227 ³		27
76	Sucrose supplements in cattle given grass silage-based diet. 3. Rumen pool size and digestion kinetics. <i>Animal Feed Science and Technology</i> , 1991 , 33, 275-287	3	27
75	Effects of soybean meal or canola meal on milk production and methane emissions in lactating dairy cows fed grass silage-based diets. <i>Journal of Dairy Science</i> , 2015 , 98, 8093-106	4	26
74	Evaluation of a gas in vitro system for predicting methane production in vivo. <i>Journal of Dairy Science</i> , 2017 , 100, 8881-8894	4	25
73	Comparison of in vitro and in situ methods in evaluation of forage digestibility in ruminants. <i>Journal of Animal Science</i> , 2012 , 90, 3162-73	0.7	25
72	Effect of forage conservation method on ruminal lipid metabolism and microbial ecology in lactating cows fed diets containing a 60:40 forage-to-concentrate ratio. <i>Journal of Dairy Science</i> , 2013 , 96, 2428-2447	4	24
71	Prediction of the digestibility of primary growth and regrowth grass silages from chemical composition, pepsin-cellulase solubility and indigestible cell wall content. <i>Animal Feed Science and Technology</i> , 2003 , 110, 61-74	3	24
70	New recommendations for the ruminal in situ determination of indigestible neutral detergent fibre. <i>Animal Feed Science and Technology</i> , 2015 , 205, 31-41	3	23

69	The effects of concentrate energy source on the milk production of dairy cows given a grass silage-based diet. <i>Animal Science</i> , 1995 , 60, 31-40		23
68	Effects of ruminal digesta retention time on methane emissions: a modelling approach. <i>Animal Production Science</i> , 2016 , 56, 501	1.4	23
67	Production responses of lactating dairy cows fed silage-based diets to changes in nutrient supply. <i>Livestock Science</i> , 2012 , 148, 146-158	1.7	22
66	Comparison of Methods to Measure Methane for Use in Genetic Evaluation of Dairy Cattle. <i>Animals</i> , 2019 , 9,	3.1	21
65	Evaluation of protein supplementation for growing cattle fed grass silage-based diets: a meta-analysis. <i>Animal</i> , 2014 , 8, 1653-62	3.1	21
64	The effect of harvesting strategy of grass silage on digestion and nutrient supply in dairy cows. <i>Journal of Dairy Science</i> , 2010 , 93, 3253-63	4	21
63	Effect of dietary fish oil supplements alone or in combination with sunflower and linseed oil on ruminal lipid metabolism and bacterial populations in lactating cows. <i>Journal of Dairy Science</i> , 2018 , 101, 3021-3035	4	20
62	Effect of forage conservation method on plasma lipids, mammary lipogenesis, and milk fatty acid composition in lactating cows fed diets containing a 60:40 forage-to-concentrate ratio. <i>Journal of Dairy Science</i> , 2013 , 96, 5267-89	4	20
61	Effect of casein infusion in the rumen, duodenum or both sites on factors affecting forage intake and performance of dairy cows fed red clover-grass silage. <i>Journal of Dairy Science</i> , 2002 , 85, 909-18	4	20
60	Nordic dairy cow model Karoline in predicting methane emissions: 1. Model description and sensitivity analysis. <i>Livestock Science</i> , 2015 , 178, 71-80	1.7	19
59	Dairy farm nutrient management model: 2. Evaluation of different strategies to mitigate phosphorus surplus. <i>Agricultural Systems</i> , 2011 , 104, 383-391	6.1	19
58	The effects of barley vs. barley fibre with or without distiller's solubles on site and extent of nutrient digestion in cattle fed grass-silage-based diet. <i>Animal Feed Science and Technology</i> , 1992 , 36, 319-337	3	19
57	The effects of concentrate energy source and protein content on milk production in cows given grass silage ad libitum. <i>Grass and Forage Science</i> , 1993 , 48, 347-355	2.3	19
56	Evaluation of different feed intake models for dairy cows. <i>Journal of Dairy Science</i> , 2014 , 97, 2387-97	4	15
55	Prediction of rumen fiber pool in cattle from dietary, fecal, and animal variables. <i>Journal of Dairy Science</i> , 2016 , 99, 5345-5357	4	14
54	Ruminal metabolism of grass silage soluble nitrogen fractions. <i>Journal of Dairy Science</i> , 2018 , 101, 279-294		14
53	Short-term effects of soybean oil supplementation on performance, digestion, and metabolism in dairy cows fed sugarcane-based diets. <i>Journal of Dairy Science</i> , 2017 , 100, 4435-4447	4	13
52	Enteric methane emission can be reliably measured by the GreenFeed monitoring unit. <i>Livestock Science</i> , 2019 , 222, 31-40	1.7	13

51	Nordic dairy cow model Karoline in predicting methane emissions: 2. Model evaluation. <i>Livestock Science</i> , 2015 , 178, 81-93	1.7	13
50	Dairy farm nutrient management model. 1. Model description and validation. <i>Agricultural Systems</i> , 2011 , 104, 371-382	6.1	13
49	Effects of physical treatment of barley and rapeseed meal in dairy cows given grass silage-based diets. <i>Agricultural and Food Science</i> , 1996 , 5, 399-412	2	13
48	The development of a model to predict BW gain of growing cattle fed grass silage-based diets. <i>Animal</i> , 2015 , 9, 1329-40	3.1	12
47	Effects of silage made from primary or regrowth grass and protein supplementation on dairy cow performance. <i>Livestock Science</i> , 2005 , 96, 269-278		12
46	Effects of heat treatment on protein feeds evaluated <i>in vitro</i> by the method of estimating utilisable crude protein at the duodenum. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017 , 101, 1259-1272	2.6	11
45	Prediction of silage composition and organic matter digestibility from herbage composition and pepsin-cellulase solubility. <i>Agricultural and Food Science</i> , 2005 , 14, 154	2	11
44	Critical aspects of feed protein evaluation systems for ruminants. <i>Journal of Animal and Feed Sciences</i> , 2005 , 14, 145-170	1.5	11
43	The Nordic dairy cow model, Karoline - description.383-406		11
42	Between-cow variation in the components of feed efficiency. <i>Journal of Dairy Science</i> , 2020 , 103, 7968-7982	4	11
41	The effects of energy metabolism variables on feed efficiency in respiration chamber studies with lactating dairy cows. <i>Journal of Dairy Science</i> , 2020 , 103, 7983-7997	4	9
40	Effects of intraruminal urea-nitrogen infusions on feed intake, nitrogen utilization, and milk yield in dairy cows. <i>Journal of Dairy Science</i> , 2018 , 101, 9004-9015	4	9
39	Effects of replacement of late-harvested grass silage and barley with early-harvested silage on milk production and methane emissions. <i>Journal of Dairy Science</i> , 2017 , 100, 5228-5240	4	8
38	Effect of dietary supplementation with heat-treated canola meal on ruminal nutrient metabolism in lactating dairy cows. <i>Journal of Dairy Science</i> , 2017 , 100, 8004-8017	4	8
37	Effects of Supplementation of a Grass Silage and Barley Diet with Urea, Rapeseed Meal and Heat-moisture-treated Rapeseed Cake on Omasal Digesta Flow and Milk Production in Lactating Dairy Cows. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 1999 , 49, 179-189	0.6	8
36	The substitution of barley by other carbohydrates in grass silage based diets to dairy cows. <i>Animal Feed Science and Technology</i> , 1993 , 41, 279-296	3	8
35	Short communication: measurements of methane emissions from feed samples in filter bags or dispersed in the medium in an <i>in vitro</i> gas production system. <i>Journal of Dairy Science</i> , 2013 , 96, 4643-6	4	7
34	Effects of different barley and oat varieties on methane production, digestibility, and fermentation pattern <i>in vitro</i> . <i>Journal of Dairy Science</i> , 2020 , 103, 1404-1415	4	7

33	Determination of reticulo-rumen and whole-stomach digestion in lactating cows by omasal canal or duodenal sampling. <i>British Journal of Nutrition</i> , 2000 , 83, 67-77	3.6	7
32	A comparison of ruminal or reticular digesta sampling as an alternative to sampling from the omasum of lactating dairy cows. <i>Journal of Dairy Science</i> , 2015 , 98, 3274-83	4	6
31	Comparison of rumen fluid inoculum vs. faecal inoculum on predicted methane production using a fully automated in vitro gas production system. <i>Livestock Science</i> , 2015 , 181, 65-71	1.7	6
30	Effects of ensiling time on corn silage neutral detergent fiber degradability and relationship between laboratory fiber analyses and in vivo digestibility. <i>Journal of Dairy Science</i> , 2020 , 103, 2333-2346	4	6
29	Predicting omasal flow of nonammonia N and milk protein yield from in vitro-determined utilizable crude protein at the duodenum. <i>Journal of Dairy Science</i> , 2018 , 101, 1164-1176	4	6
28	Ruminal metabolism of ammonia N and rapeseed meal soluble N fraction. <i>Journal of Dairy Science</i> , 2020 , 103, 7081-7093	4	5
27	Effects of NaOH-treated wheat and a mixture of barley and oats on the voluntary feed intake and milk production in dairy cows. <i>Livestock Science</i> , 2013 , 154, 103-111	1.7	5
26	Predicting feeding value of forage maize hybrids harvested at different maturities and sites. <i>Journal of Animal and Feed Sciences</i> , 2014 , 23, 269-278	1.5	5
25	Milk production and methane emissions from dairy cows fed a low or high proportion of red clover silage and an incremental level of rapeseed expeller. <i>Livestock Science</i> , 2017 , 197, 73-81	1.7	4
24	In vitro method for determining the ruminal degradation rate of rapeseed meal protein using 15N isotope labelled ammonia nitrogen. <i>Animal Feed Science and Technology</i> , 2009 , 153, 88-100	3	4
23	Short communication: Variation in feed efficiency hampers use of carbon dioxide as a tracer gas in measuring methane emissions in on-farm conditions. <i>Journal of Dairy Science</i> , 2020 , 103, 9090-9095	4	4
22	The Nordic dairy cow model, Karoline - development of volatile fatty acid sub-model.1-14		4
21	Modelling effects of carcass weight, dietary concentrate and protein levels on the CH ₄ emission, N and P excretion of dairy bulls. <i>Livestock Science</i> , 2020 , 232, 103896	1.7	4
20	The effects of gradual replacement of barley with oats on enteric methane emissions, rumen fermentation, milk production, and energy utilization in dairy cows. <i>Journal of Dairy Science</i> , 2021 , 104, 5617-5630	4	4
19	Letter to the Editor: Challenging one sensor method for screening dairy cows for reduced methane emissions. <i>Journal of Dairy Science</i> , 2018 , 101, 9619-9620	4	4
18	Effect of soya bean oil supplementation and forage type on methane production and fibre digestibility using the in vitro gas production system. <i>Grass and Forage Science</i> , 2018 , 73, 368-380	2.3	3
17	In vitro investigation of the ruminal digestion kinetics of different nitrogen fractions of 15N-labelled timothy forage. <i>PLoS ONE</i> , 2018 , 13, e0203385	3.7	3
16	Predicting feed intake and feed efficiency in lactating dairy cows using digesta marker techniques. <i>Animal</i> , 2019 , 13, 2277-2288	3.1	2

15	Journal of Agricultural Science. <i>Journal of Agricultural Science</i> , 2010 , 148, 117-118	1	2
14	Lypsylehmien kestävyiden vaikutukset maidontuotantoon ja rehun hyönsikäyttöön. <i>Suomen Maataloustieteellisen Seuran Tiedote</i> , 2006 , 1-7	1	2
13	The Nordic dairy cow model, Karoline - evaluation.407-415		2
12	Between-cow variation in milk fatty acids associated with methane production. <i>PLoS ONE</i> , 2020 , 15, e0235357	3.7	2
11	The use of an upgraded GreenFeed system and milk fatty acids to estimate energy balance in early-lactation cows. <i>Journal of Dairy Science</i> , 2021 , 104, 6701-6714	4	2
10	Modelling feed intake and milk yield responses to different grass ley harvesting strategies. <i>Grass and Forage Science</i> , 2019 , 74, 509	2.3	1
9	Development of non-linear models for predicting enteric methane production. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2012 , 62, 254-258	0.6	1
8	Metabolisable energy of grass and red clover silages fed to sheep at maintenance level. <i>Animal</i> , 2020 , 14, 753-762	3.1	1
7	Residual carbon dioxide as an index of feed efficiency in lactating dairy cows. <i>Journal of Dairy Science</i> , 2021 , 104, 5332-5344	4	1
6	Effects of replacement of late-harvested grass silage and barley with early-harvested silage on ruminal digestion efficiency in lactating dairy cows. <i>Journal of Dairy Science</i> , 2018 , 101, 1177-1189	4	1
5	A meta-analysis of faecal output and nutrient composition, and potential methane emission from manure of dairy cows. <i>Animal Feed Science and Technology</i> , 2021 , 282, 115120	3	0
4	Replacement of barley with oats and dehulled oats: Effects on milk production, enteric methane emissions, and energy utilization in dairy cows fed a grass silage-based diet. <i>Journal of Dairy Science</i> , 2021 , 104, 12540-12552	4	0
3	Review: Problems in determining metabolisable protein value of dairy cow diets and the impact on protein feeding. <i>Animal</i> , 2022 , 100539	3.1	0
2	Evaluation of the Nordic dairy cow model Karoline in predicting methane production. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , 2012 , 62, 295-299	0.6	
1	Postpartum responses of dairy cows supplemented with cereal grain or fibrous by-product concentrate. <i>Livestock Science</i> , 2021 , 248, 104506	1.7	