

# Ian Lean

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

5,870  
citations

94269

37  
h-index

74018

75  
g-index

85  
all docs

85  
docs citations

85  
times ranked

3705  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Body Condition Scoring Chart for Holstein Dairy Cows. <i>Journal of Dairy Science</i> , 1989, 72, 68-78.	1.4	2,149
2	Hypocalcemia in Dairy Cows: Meta-analysis and Dietary Cation Anion Difference Theory Revisited. <i>Journal of Dairy Science</i> , 2006, 89, 669-684.	1.4	192
3	Invited review: Use of meta-analysis in animal health and reproduction: Methods and applications. <i>Journal of Dairy Science</i> , 2009, 92, 3545-3565.	1.4	185
4	Effect of fat additions to diets of dairy cattle on milk production and components: A meta-analysis and meta-regression. <i>Journal of Dairy Science</i> , 2012, 95, 3225-3247.	1.4	173
5	A meta-analysis of the effects of feeding yeast culture produced by anaerobic fermentation of <i>Saccharomyces cerevisiae</i> on milk production of lactating dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 6027-6041.	1.4	132
6	The Definition of Acidosis in Dairy Herds Predominantly Fed on Pasture and Concentrates. <i>Journal of Dairy Science</i> , 2008, 91, 308-321.	1.4	118
7	A Meta-Analysis of the Impact of Monensin in Lactating Dairy Cattle. Part 1. Metabolic Effects. <i>Journal of Dairy Science</i> , 2008, 91, 1334-1346.	1.4	118
8	Review: Enhancing gastrointestinal health in dairy cows. <i>Animal</i> , 2018, 12, s399-s418.	1.3	116
9	A Meta-Analysis of the Impact of Monensin in Lactating Dairy Cattle. Part 2. Production Effects. <i>Journal of Dairy Science</i> , 2008, 91, 1347-1360.	1.4	114
10	Factors Influencing Fertility of Holstein Dairy Cows: A Multivariate Description. <i>Journal of Dairy Science</i> , 2002, 85, 3225-3237.	1.4	101
11	The medicine and epidemiology of bovine respiratory disease in feedlots. <i>Australian Veterinary Journal</i> , 2003, 81, 480-487.	0.5	97
12	Effects of feeding organic trace minerals on milk production and reproductive performance in lactating dairy cows: A meta-analysis. <i>Journal of Dairy Science</i> , 2010, 93, 4239-4251.	1.4	95
13	Meta-analysis of the effects of prepartum dietary cation-anion difference on performance and health of dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 2134-2154.	1.4	86
14	The effect of internal teat sealant products (Teatseal and Orbeseal) on intramammary infection, clinical mastitis, and somatic cell counts in lactating dairy cows: A meta-analysis. <i>Journal of Dairy Science</i> , 2013, 96, 6915-6931.	1.4	85
15	The effects of lactation on the fertility of dairy cows. <i>Australian Veterinary Journal</i> , 1996, 73, 141-147.	0.5	81
16	Milk Fatty Acids. I. Variation in the Concentration of Individual Fatty Acids in Bovine Milk. <i>Journal of Dairy Science</i> , 2007, 90, 4730-4739.	1.4	79
17	Effects of prepartum dietary cation-anion difference intake on production and health of dairy cows: A meta-analysis. <i>Journal of Dairy Science</i> , 2019, 102, 2103-2133.	1.4	69
18	Meta-analysis of progesterone supplementation during timed artificial insemination programs in dairy cows. <i>Journal of Dairy Science</i> , 2015, 98, 2472-2487.	1.4	64

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19	Efficacy of Ovsynch Program on Reproductive Performance in Dairy Cattle: A Meta-Analysis. <i>Journal of Dairy Science</i> , 2005, 88, 2754-2770.	1.4	62
20	Effects of prepartum dietary cation-anion difference and source of vitamin D in dairy cows: Health and reproductive responses. <i>Journal of Dairy Science</i> , 2018, 101, 2563-2578.	1.4	62
21	Effects of Monensin on the Metabolism of Periparturient Dairy Cows. <i>Journal of Dairy Science</i> , 1997, 80, 830-837.	1.4	60
22	Relationships between fertility, peak milk yields and lactational persistency in dairy cows. <i>Theriogenology</i> , 1989, 31, 1093-1103.	0.9	59
23	Effects of prepartum dietary cation-anion difference and source of vitamin D in dairy cows: Vitamin D, mineral, and bone metabolism. <i>Journal of Dairy Science</i> , 2018, 101, 2519-2543.	1.4	59
24	A Meta-Analysis of the Impact of Monensin in Lactating Dairy Cattle. Part 3. Health and Reproduction. <i>Journal of Dairy Science</i> , 2008, 91, 2328-2341.	1.4	56
25	An evaluation of transovarian uptake of metabolites using arterio-venous difference methods in dairy cattle. <i>Animal Reproduction Science</i> , 1997, 48, 9-25.	0.5	55
26	Effects of sodium monensin on reproductive performance of dairy cattle. II. Effects on metabolites in plasma, resumption of ovarian cyclicity and oestrus in lactating cows. <i>Australian Veterinary Journal</i> , 1994, 71, 277-282.	0.5	54
27	Gonadotrophin-releasing hormone treatment in cattle: a meta-analysis of the effects on conception at the time of insemination. <i>Australian Veterinary Journal</i> , 1993, 70, 205-209.	0.5	51
28	Effects of dietary fat on fertility of dairy cattle: A meta-analysis and meta-regression. <i>Journal of Dairy Science</i> , 2015, 98, 5601-5620.	1.4	51
29	Ruminal bacterial community shifts in grain-, sugar-, and histidine-challenged dairy heifers. <i>Journal of Dairy Science</i> , 2014, 97, 5131-5150.	1.4	48
30	Effects of prepartum dietary cation-anion difference and source of vitamin D in dairy cows: Lactation performance and energy metabolism. <i>Journal of Dairy Science</i> , 2018, 101, 2544-2562.	1.4	48
31	Effects of grain, fructose, and histidine on ruminal pH and fermentation products during an induced subacute acidosis protocol. <i>Journal of Dairy Science</i> , 2012, 95, 1971-1982.	1.4	47
32	Impact of nutrition on lameness and claw health in cattle. <i>Livestock Science</i> , 2013, 156, 71-87.	0.6	47
33	Effects of partial mixed rations and supplement amounts on milk production and composition, ruminal fermentation, bacterial communities, and ruminal acidosis. <i>Journal of Dairy Science</i> , 2014, 97, 5763-5785.	1.4	47
34	Effects of Genetic Merit and Varying Dietary Protein Degradability on Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2000, 83, 2926-2940.	1.4	46
35	Risk factors for repeat-breeder syndrome in New South Wales dairy cows. <i>Preventive Veterinary Medicine</i> , 2002, 54, 91-103.	0.7	46
36	Descriptive epidemiological study on culling and deaths in eight dairy herds. <i>Australian Veterinary Journal</i> , 1998, 76, 482-488.	0.5	42

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37	Feedlot entry characteristics and climate: their relationship with cattle growth rate, bovine respiratory disease and mortality. <i>Australian Veterinary Journal</i> , 2007, 85, 311-316.	0.5	41
38	Indications and implications for testing of milk urea in dairy cattle: A quantitative review. Part 2. Effect of dietary protein on reproductive performance. <i>New Zealand Veterinary Journal</i> , 1998, 46, 123-130.	0.4	38
39	Time Series Cross-Correlation Analysis of Postparturient Relationships Among Serum Metabolites and Yield Variables in Holstein Cows. <i>Journal of Dairy Science</i> , 1992, 75, 1891-1900.	1.4	37
40	Bovine ketosis and somatotrophin: risk factors for ketosis and effects of ketosis on health and production. <i>Research in Veterinary Science</i> , 1994, 57, 200-209.	0.9	35
41	Review of the relationship between nutrition and lameness in pasture-fed dairy cattle. <i>New Zealand Veterinary Journal</i> , 2003, 51, 208-218.	0.4	35
42	Livestock disease threats associated with intensification of pastoral dairy farming. <i>New Zealand Veterinary Journal</i> , 2008, 56, 261-269.	0.4	35
43	Effects of feed additives on rumen and blood profiles during a starch and fructose challenge. <i>Journal of Dairy Science</i> , 2014, 97, 985-1004.	1.4	34
44	Relationships Among Metabolites Influencing Ovarian Function in the Dairy Cow. <i>Journal of Dairy Science</i> , 1999, 82, 39-44.	1.4	31
45	Uptake of glucose and cholesterol by the ovary of sheep and cattle and the influence of arterial LH concentrations. <i>Animal Reproduction Science</i> , 2000, 64, 199-209.	0.5	31
46	Kinetics of Ruminal Lipolysis of Triacylglycerol and Biohydrogenation of Long-Chain Fatty Acids: New Insights from Old Data. <i>Journal of Dairy Science</i> , 2008, 91, 731-742.	1.4	31
47	Effects of antibiotic dry-cow therapy and internal teat sealant on milk somatic cell counts and clinical and subclinical mastitis in early lactation. <i>Journal of Dairy Science</i> , 2016, 99, 7370-7380.	1.4	31
48	Association between feeding perennial ryegrass ( <i>Lolium perenne</i> cultivar Grasslands Impact) containing high concentrations of ergovaline, and health and productivity in a herd of lactating dairy cows. <i>Australian Veterinary Journal</i> , 2001, 79, 262-264.	0.5	30
49	Milk Fatty Acids II: Prediction of the Production of Individual Fatty Acids in Bovine Milk. <i>Journal of Dairy Science</i> , 2008, 91, 1175-1188.	1.4	30
50	Effects of nutrition on the fertility of lactating dairy cattle. <i>Journal of Dairy Science</i> , 2018, 101, 5115-5133.	1.4	30
51	Effects of Feeding Virginiamycin and Sodium Bicarbonate to Grazing Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 1999, 82, 1545-1554.	1.4	26
52	Effects of increasing days of exposure to prepartum transition diets on reproduction and health in dairy cows. <i>Australian Veterinary Journal</i> , 2010, 88, 84-92.	0.5	25
53	Assessment of the effects of supplementation with vitamin E on health and production of feedlot cattle using meta-analysis. <i>Preventive Veterinary Medicine</i> , 2009, 88, 229-246.	0.7	24
54	Effect of feeding biotin on milk production and hoof health in lactating dairy cows: A quantitative assessment. <i>Journal of Dairy Science</i> , 2011, 94, 1465-1476.	1.4	24

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55	Effects of mannan-oligosaccharide and <i>Bacillus subtilis</i> supplementation to preweaning Holstein dairy heifers on body weight gain, diarrhea, and shedding of fecal pathogens. <i>Journal of Dairy Science</i> , 2021, 104, 4290-4302.	1.4	24
56	Indications and implications for testing of milk urea in dairy cattle: A quantitative review. Part 1. Dietary protein sources and metabolism. <i>New Zealand Veterinary Journal</i> , 1998, 46, 87-96.	0.4	23
57	Effects of increasing days of exposure to prepartum transition diets on milk production and milk composition in dairy cows. <i>Australian Veterinary Journal</i> , 2008, 86, 341-351.	0.5	21
58	Effects of BioChlor and Fermenten on Microbial Protein Synthesis in Continuous Culture Fermenters. <i>Journal of Dairy Science</i> , 2005, 88, 2524-2536.	1.4	20
59	Associations between body condition, rumen fill, diarrhoea and lameness and ruminal acidosis in Australian dairy herds. <i>New Zealand Veterinary Journal</i> , 2013, 61, 323-329.	0.4	17
60	Postparturient Metabolic and Production Responses in Cows Previously Exposed to Long-Term Treatment with Somatotropin. <i>Journal of Dairy Science</i> , 1991, 74, 3429-3445.	1.4	16
61	The effect of monensin on the chemotactic function of bovine neutrophils. <i>Australian Veterinary Journal</i> , 1996, 74, 315-317.	0.5	16
62	Effects of increasing days of exposure to prepartum diets on the concentration of certain blood metabolites in dairy cows. <i>Australian Veterinary Journal</i> , 2010, 88, 137-145.	0.5	15
63	Effects of in-feed enzymes on milk production and components, reproduction, and health in dairy cows. <i>Journal of Dairy Science</i> , 2019, 102, 8011-8026.	1.4	15
64	Gonadotrophin-releasing hormone in postpartum dairy cattle: a meta-analysis of effects on reproductive efficiency. <i>Animal Reproduction Science</i> , 1997, 48, 93-112.	0.5	14
65	Associations between bone and energy metabolism in cows fed diets differing in level of dietary cation-anion difference and supplemented with cholecalciferol or calcidiol. <i>Journal of Dairy Science</i> , 2018, 101, 6581-6601.	1.4	13
66	Comparison of effects of GnRH and prostaglandin in combination, and prostaglandin on conception rates and time to conception in dairy cows. <i>Australian Veterinary Journal</i> , 2003, 81, 488-493.	0.5	12
67	Effects of injectable vitamins A, D, E and C on the health and growth rate of feedlot cattle destined for the Australian domestic market. <i>Australian Veterinary Journal</i> , 2008, 86, 81-87.	0.5	12
68	Short-term studies of ovarian metabolism in the ewe. <i>Animal Reproduction Science</i> , 1997, 47, 43-58.	0.5	11
69	Within and between observer agreement on ultrasonic evaluation of bovine ovarian structures. <i>Australian Veterinary Journal</i> , 1992, 69, 279-282.	0.5	10
70	Effects of grain, fructose, and histidine feeding on endotoxin and oxidative stress measures in dairy heifers. <i>Journal of Dairy Science</i> , 2013, 96, 7881-7891.	1.4	10
71	Clinical acidosis in a Gippsland dairy herd. <i>Australian Veterinary Journal</i> , 2005, 83, 347-352.	0.5	8
72	Effect of 25-hydroxyvitamin D3 during prepartum transition and lactation on production, reproduction, and health of lactating dairy cows. <i>Journal of Dairy Science</i> , 2021, 104, 5345-5374.	1.4	7

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73	A Bayesian meta-analysis of the effects of administering an intra-vaginal (CIDR) device in combination with other hormones on the reproductive performance of cycling, anoestrous and inseminated cows. <i>New Zealand Veterinary Journal</i> , 2004, 52, 384-393.	0.4	6
74	Multisite randomised controlled trial to evaluate polypropylene clips applied to the breech of lambs as an alternative to mulesing. I: effects on body weight, breech bare area measurements and scores, wrinkle scores and faecal and urine staining. <i>Australian Veterinary Journal</i> , 2012, 90, 415-422.	0.5	6
75	Substitution effects of feeding rolled barley grain to grazing dairy cows. <i>Animal Feed Science and Technology</i> , 1993, 42, 25-38.	1.1	5
76	Risk factors for culling and deaths in eight dairy herds. <i>Australian Veterinary Journal</i> , 1998, 76, 489-494.	0.5	4
77	The epidemiology of subfertility in non-seasonal calving dairy herds in the Camden region of New South Wales: preliminary investigation of risk factors. <i>Australian Veterinary Journal</i> , 2002, 80, 432-436.	0.5	4
78	Short Communication: Further Validation of the Fat Sub-Model in the Cornell-Penn-Miner Dairy Model. <i>Journal of Dairy Science</i> , 2006, 89, 1052-1056.	1.4	4
79	Multisite randomised controlled trial to evaluate polypropylene clips applied to the breech of lambs as an alternative to mulesing. <sc>II</sc>: multivariate analysis of relationships between clip treatment and operator, sheep, farm and environmental factors. <i>Australian Veterinary Journal</i> , 2012, 90, 423-432.	0.5	3
80	Variation in milk production, fat, protein, and lactose responses to exogenous feed enzymes in dairy cows. <i>Applied Animal Science</i> , 2020, 36, 292-307.	0.4	3
81	Cattle, climate and complexity: food security, quality and sustainability of the Australian cattle industries. <i>Australian Veterinary Journal</i> , 2021, 99, 293-308.	0.5	3
82	Food animal veterinary medicine: where to and why?. <i>Australian Veterinary Journal</i> , 1998, 76, 608-609.	0.5	2
83	The epidemiology of subfertility in non-seasonal calving dairy herds in the Camden region of New South Wales: description of population and incidence. <i>Australian Veterinary Journal</i> , 2002, 80, 425-431.	0.5	2
84	The veterinary profession and blowfly control. <i>Australian Veterinary Journal</i> , 2012, 90, 413-414.	0.5	1
85	Acute photosensitisation and mortality in a herd of dairy cattle in Tasmania. <i>New Zealand Veterinary Journal</i> , 2017, 65, 39-45.	0.4	1