

# Christine Baes

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

1,802  
citations

361045

20  
h-index

329751

37  
g-index

95  
all docs

95  
docs citations

95  
times ranked

1493  
citing authors

#	ARTICLE	IF	CITATIONS
1	A 100-Year Review: Identification and genetic selection of economically important traits in dairy cattle. <i>Journal of Dairy Science</i> , 2017, 100, 10251-10271.	1.4	268
2	Inbreeding and runs of homozygosity before and after genomic selection in North American Holstein cattle. <i>BMC Genomics</i> , 2018, 19, 98.	1.2	130
3	Invited review: Inbreeding in the genomics era: Inbreeding, inbreeding depression, and management of genomic variability. <i>Journal of Dairy Science</i> , 2017, 100, 6009-6024.	1.4	122
4	Review: Genetic selection of high-yielding dairy cattle toward sustainable farming systems in a rapidly changing world. <i>Animal</i> , 2021, 15, 100292.	1.3	90
5	Effect of genomic selection on rate of inbreeding and coancestry and effective population size of Holstein and Jersey cattle populations. <i>Journal of Dairy Science</i> , 2020, 103, 5183-5199.	1.4	85
6	A meta-analysis examining effects of particle size of total mixed rations on intake, rumen digestion and milk production in high-yielding dairy cows in early lactation. <i>Animal Feed Science and Technology</i> , 2007, 138, 137-161.	1.1	53
7	Evaluation of variant identification methods for whole genome sequencing data in dairy cattle. <i>BMC Genomics</i> , 2014, 15, 948.	1.2	44
8	Genetics and genomics of reproductive disorders in Canadian Holstein cattle. <i>Journal of Dairy Science</i> , 2019, 102, 1341-1353.	1.4	44
9	Effect of recent and ancient inbreeding on production and fertility traits in Canadian Holsteins. <i>BMC Genomics</i> , 2020, 21, 605.	1.2	39
10	Invited review: Reproductive and genomic technologies to optimize breeding strategies for genetic progress in dairy cattle. <i>Archives Animal Breeding</i> , 2018, 61, 43-57.	0.5	37
11	Comparison of genomic predictions for lowly heritable traits using multi-step and single-step genomic best linear unbiased predictor in Holstein cattle. <i>Journal of Dairy Science</i> , 2018, 101, 8076-8086.	1.4	36
12	Symposium review: The choice and collection of new relevant phenotypes for fertility selection. <i>Journal of Dairy Science</i> , 2019, 102, 3722-3734.	1.4	33
13	Genetic mechanisms underlying feed utilization and implementation of genomic selection for improved feed efficiency in dairy cattle. <i>Canadian Journal of Animal Science</i> , 2020, 100, 587-604.	0.7	31
14	The demand of laying hens for feathers and wood shavings. <i>Applied Animal Behaviour Science</i> , 2006, 101, 102-110.	0.8	30
15	Invited review: Determination of large-scale individual dry matter intake phenotypes in dairy cattle. <i>Journal of Dairy Science</i> , 2019, 102, 7655-7663.	1.4	30
16	Symposium review: Exploiting homozygosity in the era of genomics—Selection, inbreeding, and mating programs. <i>Journal of Dairy Science</i> , 2020, 103, 5302-5313.	1.4	30
17	Estimated genetic parameters for all genetically evaluated traits in Canadian Holsteins. <i>Journal of Dairy Science</i> , 2021, 104, 9002-9015.	1.4	30
18	Association between single nucleotide polymorphisms in the CXCR1 gene and somatic cell score in Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2009, 92, 4018-4022.	1.4	25

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19	The dynamic behavior of feed efficiency in primiparous dairy cattle. <i>Journal of Dairy Science</i> , 2020, 103, 1528-1540.	1.4	23
20	Short communication: Characterizing ovine serum stress biomarkers during endotoxemia. <i>Journal of Dairy Science</i> , 2020, 103, 5501-5508.	1.4	21
21	Estimation of additive and non-additive genetic effects for fertility and reproduction traits in North American Holstein cattle using genomic information. <i>Journal of Animal Breeding and Genetics</i> , 2020, 137, 316-330.	0.8	20
22	A large interactive visual database of copy number variants discovered in taurine cattle. <i>GigaScience</i> , 2019, 8, .	3.3	19
23	A Description of Laying Hen Husbandry and Management Practices in Canada. <i>Animals</i> , 2018, 8, 114.	1.0	18
24	Genome-wide association study and in silico functional analysis of the number of embryos produced by Holstein donors. <i>Journal of Dairy Science</i> , 2018, 101, 7248-7257.	1.4	16
25	Single-Step Methodology for Genomic Evaluation in Turkeys ( <i>Meleagris gallopavo</i> ). <i>Frontiers in Genetics</i> , 2019, 10, 1248.	1.1	16
26	A cross-sectional study on feather cover damage in Canadian laying hens in non-cage housing systems. <i>BMC Veterinary Research</i> , 2019, 15, 435.	0.7	16
27	High confidence copy number variants identified in Holstein dairy cattle from whole genome sequence and genotype array data. <i>Scientific Reports</i> , 2020, 10, 8044.	1.6	16
28	A meta-analysis on the effect of environmental enrichment on feather pecking and feather damage in laying hens. <i>Poultry Science</i> , 2021, 100, 397-411.	1.5	16
29	Meta-analysis to predict the effects of temperature stress on meat quality of poultry. <i>Poultry Science</i> , 2021, 100, 101471.	1.5	16
30	Quantitative trait loci mapping of calving and conformation traits on <i>Bos taurus</i> autosome 18 in the German Holstein population. <i>Journal of Dairy Science</i> , 2010, 93, 1205-1215.	1.4	15
31	Development of a Scoring System to Assess Feather Damage in Canadian Laying Hen Flocks. <i>Animals</i> , 2019, 9, 436.	1.0	15
32	Genetic Variants Affecting Skeletal Morphology in Domestic Dogs. <i>Trends in Genetics</i> , 2020, 36, 598-609.	2.9	15
33	Genome-wide association study between copy number variants and hoof health traits in Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2021, 104, 8050-8061.	1.4	15
34	Identification of unique ROH regions with unfavorable effects on production and fertility traits in Canadian Holsteins. <i>Genetics Selection Evolution</i> , 2021, 53, 68.	1.2	14
35	Using publicly available weather station data to investigate the effects of heat stress on milk production traits in Canadian Holstein cattle. <i>Canadian Journal of Animal Science</i> , 2022, 102, 368-381.	0.7	14
36	Candidate gene association analyses for ketosis resistance in Holsteins. <i>Journal of Dairy Science</i> , 2018, 101, 5240-5249.	1.4	13

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37	Use of a single-step approach for integrating foreign information into national genomic evaluation in Holstein cattle. <i>Journal of Dairy Science</i> , 2019, 102, 8175-8183.	1.4	13
38	An Investigation of Associations Between Management and Feather Damage in Canadian Laying Hens Housed in Furnished Cages. <i>Animals</i> , 2019, 9, 135.	1.0	13
39	Optimizing Selection of the Reference Population for Genotype Imputation From Array to Sequence Variants. <i>Frontiers in Genetics</i> , 2019, 10, 510.	1.1	13
40	Single-step genomic evaluation of milk production traits in Canadian Alpine and Saanen dairy goats. <i>Journal of Dairy Science</i> , 2022, 105, 2393-2407.	1.4	13
41	Estimating the effect of the deleterious recessive haplotypes AH1 and AH2 on reproduction performance of Ayrshire cattle. <i>Journal of Dairy Science</i> , 2019, 102, 5315-5322.	1.4	12
42	A genetic evaluation of growth, ultrasound, and carcass traits at alternative slaughter endpoints in crossbred heavy lambs <sup>1</sup> . <i>Journal of Animal Science</i> , 2019, 97, 521-535.	0.2	12
43	Discovering lethal alleles across the turkey genome using a transmission ratio distortion approach. <i>Animal Genetics</i> , 2020, 51, 876-889.	0.6	12
44	Housing and Management of Turkey Flocks in Canada. <i>Animals</i> , 2020, 10, 1159.	1.0	12
45	Identification of a two-marker-haplotype on <i>Bos taurus</i> autosome 18 associated with somatic cell score in German Holstein cattle. <i>BMC Genetics</i> , 2009, 10, 50.	2.7	11
46	Genetic parameters for clutch and broodiness traits in turkeys ( <i>Meleagris Gallopavo</i> ) and their relationship with body weight and egg production. <i>Poultry Science</i> , 2019, 98, 6263-6269.	1.5	11
47	Determining the economic value of daily dry matter intake and associated methane emissions in dairy cattle. <i>Animal</i> , 2020, 14, 171-179.	1.3	11
48	Research Note: Quantifying corticosterone in turkey ( <i>Meleagris gallopavo</i> ) feathers using ELISA. <i>Poultry Science</i> , 2020, 99, 5261-5264.	1.5	11
49	Genetic and genomic analysis of hyperthelia in Brown Swiss cattle. <i>Journal of Dairy Science</i> , 2017, 100, 402-411.	1.4	10
50	Refined positioning of a quantitative trait locus affecting somatic cell score on chromosome 18 in the German Holstein using linkage disequilibrium. <i>Journal of Dairy Science</i> , 2009, 92, 4046-4054.	1.4	9
51	A two-step approach to map quantitative trait loci for meat quality in connected porcine crosses considering main and epistatic effects. <i>Animal Genetics</i> , 2013, 44, 14-23.	0.6	8
52	Farmers' Perceptions About Health and Welfare Issues in Turkey Production. <i>Frontiers in Veterinary Science</i> , 2020, 7, 332.	0.9	8
53	Accuracy of breeding values for production traits in turkeys ( <i>Meleagris gallopavo</i> ) using recursive models with or without genomics. <i>Genetics Selection Evolution</i> , 2021, 53, 16.	1.2	8
54	Housing and Management Practices on 33 Pullet Farms in Canada. <i>Animals</i> , 2019, 9, 49.	1.0	7

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55	Single- and multiple-breed genomic evaluations for conformation traits in Canadian Alpine and Saanen dairy goats. <i>Journal of Dairy Science</i> , 2022, 105, 5985-6000.	1.4	7
56	Short communication: Genetic correlations between number of embryos produced using in vivo and in vitro techniques in heifer and cow donors. <i>Journal of Dairy Science</i> , 2016, 99, 8222-8226.	1.4	6
57	Investigating inbreeding in the turkey ( <i>Meleagris gallopavo</i> ) genome. <i>Poultry Science</i> , 2021, 100, 101366.	1.5	6
58	Describing the growth and molt of modern domestic turkey ( <i>Meleagris gallopavo</i> ) primary wing feathers. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	6
59	Genetic parameter estimates and targeted association analyses of growth, carcass, and meat quality traits in German Merinoland and Merinoland-cross lambs <sup>1</sup> . <i>Journal of Animal Science</i> , 2018, 96, 398-406.	0.2	5
60	Genetic correlations among selected traits in Canadian Holsteins. <i>Canadian Journal of Animal Science</i> , 2019, 99, 693-704.	0.7	5
61	Potential effects of hormonal synchronized breeding on genetic evaluations of fertility traits in dairy cattle: A simulation study. <i>Journal of Dairy Science</i> , 2021, 104, 4404-4412.	1.4	5
62	Effects of Incorporating Dry Matter Intake and Residual Feed Intake into a Selection Index for Dairy Cattle Using Deterministic Modeling. <i>Animals</i> , 2021, 11, 1157.	1.0	5
63	Plasma concentrations of progesterone in the preceding estrous cycle are associated with the intensity of estrus and fertility of Holstein cows. <i>PLoS ONE</i> , 2021, 16, e0248453.	1.1	5
64	Occurrence and greater intensity of estrus in recipient lactating dairy cows improve pregnancy per embryo transfer. <i>Journal of Dairy Science</i> , 2022, 105, 877-888.	1.4	5
65	Refined mapping of a QTL for somatic cell score on BTA27 in the German Holstein using combined linkage and linkage disequilibrium analysis. <i>Canadian Journal of Animal Science</i> , 2010, 90, 169-178.	0.7	4
66	Genetic analysis for quality of frozen embryos produced by Holstein cattle donors in Canada. <i>Journal of Dairy Science</i> , 2017, 100, 7320-7329.	1.4	4
67	Are Turkeys ( <i>Meleagris gallopavo</i> ) Motivated to Avoid Excreta-Soiled Substrate?. <i>Animals</i> , 2020, 10, 2015.	1.0	4
68	The Future of Phenomics. <i>Animal Frontiers</i> , 2020, 10, 4-5.	0.8	3
69	The Effect of Egg Laying on Feather and Plasma Corticosterone Concentrations in Turkey ( <i>Meleagris</i> ) Tj ETQq1 1 0.784314 rgBT /Overlo	1.0	3
70	Genetic analysis of egg production traits in turkeys ( <i>Meleagris gallopavo</i> ) using a single-step genomic random regression model. <i>Genetics Selection Evolution</i> , 2021, 53, 61.	1.2	3
71	Associations between feed efficiency and aspects of lactation curves in primiparous Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2021, 104, 9304-9315.	1.4	3
72	Estimation of genetic parameters for mid-infrared <sup>â€</sup> predicted lactoferrin and milk fat globule size in Holstein cattle. <i>Journal of Dairy Science</i> , 2020, 103, 2487-2497.	1.4	3

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73	Effect of synchronized breeding on genetic evaluations of fertility traits in dairy cattle. <i>Journal of Dairy Science</i> , 2021, 104, 11820-11831.	1.4	3
74	TIGER: A software system for fine-mapping quantitative trait loci. <i>Archives Animal Breeding</i> , 2008, 51, 402-412.	0.5	3
75	Influence of Post Mortem Muscle Activity on Turkey Meat Quality. <i>Frontiers in Veterinary Science</i> , 2022, 9, 822447.	0.9	3
76	Genetic Parameters of White Striping and Meat Quality Traits Indicative of Pale, Soft, Exudative Meat in Turkeys ( <i>Meleagris gallopavo</i> ). <i>Frontiers in Genetics</i> , 2022, 13, 842584.	1.1	3
77	A de novo startâ€lost variant in <i>ANKRD28</i> in a Holstein calf with dwarfism. <i>Animal Genetics</i> , 2022, 53, 470-471.	0.6	3
78	A Cross-Sectional Study on the Prevalence of Footpad Dermatitis in Canadian Turkeys. <i>Frontiers in Animal Science</i> , 2021, 2, .	0.8	2
79	Computing the condensed conditional gametic QTL relationship matrix and its inverse. <i>Archives Animal Breeding</i> , 2007, 50, 294-308.	0.5	2
80	Reliability of a White Striping Scoring System and Description of White Striping Prevalence in Purebred Turkey Lines. <i>Animals</i> , 2022, 12, 254.	1.0	2
81	The Prevalence of Integument Injuries and Associated Risk Factors Among Canadian Turkeys. <i>Frontiers in Veterinary Science</i> , 2021, 8, 757776.	0.9	2
82	Refined mapping of quantitative trait loci for somatic cell score on BTA02 in the German Holstein. <i>Journal of Animal Breeding and Genetics</i> , 2010, 127, 180-188.	0.8	1
83	Angiotensin-2 (ANGPT2) as a candidate gene for somatic cell score in German Holstein cattle. <i>Journal of Dairy Science</i> , 2013, 96, 5388-5397.	1.4	1
84	The value of incorporating carcass trait phenotypes in terminal sire selection indexes to improve carcass weight and quality of heavy lambs. <i>Journal of Animal Breeding and Genetics</i> , 2021, 138, 91-107.	0.8	1
85	Accuracy of genomic selection for reducing susceptibility to pendulous crop in turkey ( <i>Meleagris</i> ) Tj ETQq1 1 0.784314 rgBT 1.5 /Overloc 1		
86	The impact of Animal Frontiers on the Canadian Society of Animal Science. <i>Animal Frontiers</i> , 2020, 10, 3-3.	0.8	0
87	PSX-B-19 Behaviour of cows while being tested for methane emissions using the greenfeed system. <i>Journal of Animal Science</i> , 2021, 99, 220-221.	0.2	0
88	31 Gametic Incompatibility: Improving the Success of Mate Allocation in Dairy Cattle. <i>Journal of Animal Science</i> , 2021, 99, 16-17.	0.2	0
89	54 Genetics Reloaded: Large-scale Collection of Novel Phenotypes in Turkey. <i>Journal of Animal Science</i> , 2021, 99, 29-30.	0.2	0
90	503 Late-Breaking: Using Random Regression Models to Estimate Genetic Parameters for Milk Production Traits under Different Levels of Heat Stress in Canadian Holstein Cattle. <i>Journal of Animal Science</i> , 2021, 99, 178-179.	0.2	0

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91	PSVIII-7 Genetic parameters for health traits in dairy calves. Journal of Animal Science, 2021, 99, 240-240.	0.2	0
92	43 Single and Multiple-breed Genomic Predictions for Conformation Traits of Canadian Dairy Goats. Journal of Animal Science, 2021, 99, 27-28.	0.2	0
93	Introduction: ADSA and Interbull Joint Breeding and Genetics Symposia. Journal of Dairy Science, 2020, 103, 5275-5277.	1.4	0
94	Genome-wide association study reveals candidate genes relevant to body weight in female turkeys (Meleagris gallopavo). PLoS ONE, 2022, 17, e0264838.	1.1	0