Filippo Miglior

List of Publications by Citations

69 papers	1,298 citations	20 h-index	33 g-index
71 ext. papers	1,760 ext. citations	3.3 avg, IF	4.65 L-index

#	Paper	IF	Citations
69	A 100-Year Review: Identification and genetic selection of economically important traits in dairy cattle. *Journal of Dairy Science*, **2017**, 100, 10251-10271	4	154
68	Bovine mastitis: frontiers in immunogenetics. *Frontiers in Immunology*, **2014**, 5, 493	8.4	102
67	Health recording in Canadian Holsteins: data and genetic parameters. *Journal of Dairy Science*, **2012**, 95, 4099-108	4	58
66	Rates of inbreeding and genetic diversity in Canadian Holstein and Jersey cattle. *Journal of Dairy Science*, **2011**, 94, 5160-75	4	58
65	Analysis of levels of inbreeding and inbreeding depression in Jersey cattle. *Journal of Dairy Science*, **1992**, 75, 1112-8	4	53
64	A genome-wide association study of immune response traits in Canadian Holstein cattle. *BMC Genomics*, **2014**, 15, 559	4.5	49
63	Production traits of Holstein cattle: estimation of nonadditive genetic variance components and inbreeding depression. *Journal of Dairy Science*, **1995**, 78, 1174-80	4	45
62	Alternative somatic cell count traits to improve mastitis resistance in Canadian Holsteins. *Journal of Dairy Science*, **2012**, 95, 432-9	4	43
61	Genetic analysis of milk Ehydroxybutyrate and its association with fat-to-protein ratio, body condition score, clinical ketosis, and displaced abomasum in early first lactation of Canadian Holsteins. *Journal of Dairy Science*, **2014**, 97, 7286-92	4	40
60	Incidence rates of clinical mastitis among Canadian Holsteins classified as high, average, or low immune responders. *Vaccine Journal*, **2013**, 20, 106-12		38
59	Nonadditive genetic effects and inbreeding depression for somatic cell counts of Holstein cattle. *Journal of Dairy Science*, **1995**, 78, 1168-73	4	33
58	Genetic associations of ketosis and displaced abomasum with milk production traits in early first lactation of Canadian Holsteins. *Journal of Dairy Science*, **2013**, 96, 4688-96	4	31
57	Inbreeding of Canadian Holstein Cattle. *Journal of Dairy Science*, **1995**, 78, 1163-1167	4	28
56	Effect of genomic selection on rate of inbreeding and coancestry and effective population size of Holstein and Jersey cattle populations. *Journal of Dairy Science*, **2020**, 103, 5183-5199	4	27
55	Genetic relationships of clinical mastitis, cystic ovaries, and lameness with milk yield and somatic cell score in first-lactation Canadian Holsteins. *Journal of Dairy Science*, **2014**, 97, 5806-13	4	27
54	Prediction of milk fatty acid content with mid-infrared spectroscopy in Canadian dairy cattle using differently distributed model development sets. *Journal of Dairy Science*, **2017**, 100, 5073-5081	4	24
53	Genetic analysis of superovulatory response of Holstein cows in Canada. *Journal of Dairy Science*, **2016**, 99, 3612-3623	4	23

52	Combining multi-OMICs information to identify key-regulator genes for pleiotropic effect on fertility and production traits in beef cattle. *PLoS ONE*, **2018**, 13, e0205295	3.7	22
51	Genetic analysis of groups of mid-infrared predicted fatty acids in milk. *Journal of Dairy Science*, **2017**, 100, 4731-4744	4	21
50	Variation in fat globule size in bovine milk and its prediction using mid-infrared spectroscopy. *Journal of Dairy Science*, **2017**, 100, 1640-1649	4	20
49	Genetics and genomics of reproductive disorders in Canadian Holstein cattle. *Journal of Dairy Science*, **2019**, 102, 1341-1353	4	18
48	Genetic parameters for hoof health traits estimated with linear and threshold models using alternative cohorts. *Journal of Dairy Science*, **2017**, 100, 2828-2836	4	17
47	Phenotypic and genetic parameters of antibody and delayed-type hypersensitivity responses of lactating Holstein cows. *Veterinary Immunology and Immunopathology*, **2013**, 154, 83-92	2	17
46	Analyses of genetic diversity in five Canadian dairy breeds using pedigree data. *Journal of Animal Breeding and Genetics*, **2013**, 130, 476-86	2.9	17
45	Genome wide association study identifies novel potential candidate genes for bovine milk cholesterol content. *Scientific Reports*, **2018**, 8, 13239	4.9	17
44	Comparison of genomic predictions for lowly heritable traits using multi-step and single-step genomic best linear unbiased predictor in Holstein cattle. *Journal of Dairy Science*, **2018**, 101, 8076-8086	4	16
43	Short communication: Genetic parameters for mastitis and its predictors in Canadian Holsteins. *Journal of Dairy Science*, **2012**, 95, 7363-6	4	15
42	Effect of recent and ancient inbreeding on production and fertility traits in Canadian Holsteins. *BMC Genomics*, **2020**, 21, 605	4.5	15
41	Genetic mechanisms regulating the host response during mastitis. *Journal of Dairy Science*, **2019**, 102, 9043-9059	4	13
40	Genetic correlations of mid-infrared-predicted milk fatty acid groups with milk production traits. *Journal of Dairy Science*, **2018**, 101, 4295-4306	4	12
39	The dynamic behavior of feed efficiency in primiparous dairy cattle. *Journal of Dairy Science*, **2020**, 103, 1528-1540	4	12
38	The genetic architecture of milk ELISA scores as an indicator of Johne\'s disease (paratuberculosis) in dairy cattle. *Journal of Dairy Science*, **2018**, 101, 10062-10075	4	12
37	Genome-wide association study and in silico functional analysis of the number of embryos produced by Holstein donors. *Journal of Dairy Science*, **2018**, 101, 7248-7257	4	11
36	A landscape of the heritability of Fourier-transform infrared spectral wavelengths of milk samples by parity and lactation stage in Holstein cows. *Journal of Dairy Science*, **2019**, 102, 1354-1363	4	10
35	Genetic mechanisms underlying spermatic and testicular traits within and among cattle breeds: systematic review and prioritization of GWAS results. *Journal of Animal Science*, **2018**, 96, 4978-4999	0.7	10

34	Optimizing Selection of the Reference Population for Genotype Imputation From Array to Sequence Variants. *Frontiers in Genetics*, **2019**, 10, 510	4.5	9
33	Genome-Wide Association Study for Milk Fatty Acids in Holstein Cattle Accounting for the Gene Effect. *Animals*, **2019**, 9,	3.1	9
32	Estimating the effect of the deleterious recessive haplotypes AH1 and AH2 on reproduction performance of Ayrshire cattle. *Journal of Dairy Science*, **2019**, 102, 5315-5322	4	8
31	Candidate gene association analyses for ketosis resistance in Holsteins. *Journal of Dairy Science*, **2018**, 101, 5240-5249	4	8
30	Short Communication: Genetic association of body condition score with disease resistance in first lactation Canadian Holsteins. *Canadian Journal of Animal Science*, **2012**, 92, 285-289	0.9	8
29	Genetic parameters of milk cholesterol content in Holstein cattle. *Canadian Journal of Animal Science*, **2018**, 98, 714-722	0.9	8
28	Implementation of Bayesian methods to identify SNP and haplotype regions with transmission ratio distortion across the whole genome: TRDscan v.1.0. *Journal of Dairy Science*, **2019**, 102, 3175-3188	4	7
27	Genetic mechanisms underlying feed utilization and implementation of genomic selection for improved feed efficiency in dairy cattle. *Canadian Journal of Animal Science*, **2020**, 100, 587-604	0.9	7
26	High confidence copy number variants identified in Holstein dairy cattle from whole genome sequence and genotype array data. *Scientific Reports*, **2020**, 10, 8044	4.9	6
25	Genomic analyses for predicted milk fatty acid composition throughout lactation in North American Holstein cattle. *Journal of Dairy Science*, **2020**, 103, 6318-6331	4	6
24	Genetic parameter estimates of conformation and performance traits in station-tested Limousin bulls. *Canadian Journal of Animal Science*, **1994**, 74, 379-381	0.9	6
23	Identification of functional candidate variants and genes for feed efficiency in Holstein and Jersey cattle breeds using RNA-sequencing. *Journal of Dairy Science*, **2021**, 104, 1928-1950	4	6
22	Targeted genotyping to identify potential functional variants associated with cholesterol content in bovine milk. *Animal Genetics*, **2020**, 51, 200-209	2.5	5
21	Short communication: Genetic correlations between number of embryos produced using in vivo and in vitro techniques in heifer and cow donors. *Journal of Dairy Science*, **2016**, 99, 8222-8226	4	5
20	Use of a single-step approach for integrating foreign information into national genomic evaluation in Holstein cattle. *Journal of Dairy Science*, **2019**, 102, 8175-8183	4	5
19	Comparison of parametric, orthogonal, and spline functions to model individual lactation curves for milk yield in Canadian Holsteins. *Italian Journal of Animal Science*, **2010**, 9, e87	2.2	5
18	Genotype Environment interaction for fertility and milk yield traits in Canadian, Mexican and US Holstein cattle. *Spanish Journal of Agricultural Research*, **2017**, 15, e0402	1.1	5
17	Short communication: Time-dependent genetic parameters and single-step genome-wide association analyses for predicted milk fatty acid composition in Ayrshire and Jersey dairy cattle. *Journal of Dairy Science*, **2020**, 103, 5263-5269	4	5

16	Genetic and phenotypic associations of milk β-hydroxybutyrate with ketosis in Canadian Holsteins. *Canadian Journal of Animal Science*, **2016**, 96, 302-305	0.9	5
15	Breeding for reduced methane emission and feed-efficient Holstein cows: An international response. *Journal of Dairy Science*, **2021**, 104, 8983-9001	4	5
14	Identification of unique ROH regions with unfavorable effects on production and fertility traits in Canadian Holsteins. *Genetics Selection Evolution*, **2021**, 53, 68	4.9	5
13	Heritabilities of measured and mid-infrared predicted milk fat globule size, milk fat and protein percentages, and their genetic correlations. *Journal of Dairy Science*, **2017**, 100, 3735-3741	4	4
12	Symposium review: Multiple-trait single-step genomic evaluation for hoof health. *Journal of Dairy Science*, **2020**, 103, 5346-5353	4	4
11	Genetic analysis for quality of frozen embryos produced by Holstein cattle donors in Canada. *Journal of Dairy Science*, **2017**, 100, 7320-7329	4	4
10	Detection of QTL for milk protein percentage in Italian Friesian cattle by AFLP markers and selective genotyping. *Journal of Dairy Research*, **2008**, 75, 430-8	1.6	4
9	Genetic analysis of subclinical mastitis in early lactation of heifers using both linear and threshold models. *Journal of Dairy Science*, **2018**, 101, 11120-11131	4	4
8	A targeted genotyping approach to enhance the identification of variants for lactation persistency in dairy cows. *Journal of Animal Science*, **2019**, 97, 4066-4075	0.7	2
7	Estimation of genetic parameters for mid-infrared-predicted lactoferrin and milk fat globule size in Holstein cattle. *Journal of Dairy Science*, **2020**, 103, 2487-2497	4	2
6	Association of genetic polymorphisms related to Johne's disease with estimated breeding values of Holstein sires for milk ELISA test scores. *BMC Veterinary Research*, **2020**, 16, 165	2.7	2
5	Genome-wide association study between copy number variants and hoof health traits in Holstein dairy cattle. *Journal of Dairy Science*, **2021**, 104, 8050-8061	4	2
4	Associations between feed efficiency and aspects of lactation curves in primiparous Holstein dairy cattle. *Journal of Dairy Science*, **2021**, 104, 9304-9315	4	2
3	Cholesterol deficiency haplotype frequency and its impact on milk production and milk cholesterol content in Canadian Holstein cows. *Canadian Journal of Animal Science*, **2020**, 100, 786-791	0.9	1
2	The potential for mitigation of methane emissions in ruminants through the application of metagenomics, metabolomics, and other -OMICS technologies. *Journal of Animal Science*, **2021**, 99,	0.7	1
1	Introduction: ADSA and Interbull Joint Breeding and Genetics Symposia. *Journal of Dairy Science*, **2020**, 103, 5275-5277	4	