

Flavio S Schenkel

List of Publications by Year in descending order

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Version: 2024-02-01

246
papers

8,644
citations

71102

41
h-index

58581

82
g-index

247
all docs

247
docs citations

247
times ranked

5071
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of updated Feed Saved breeding values developed in Australian Holstein dairy cattle. JDS Communications, 2022, 3, 114-119.	1.5	2
2	Single-step genomic evaluation of milk production traits in Canadian Alpine and Saanen dairy goats. Journal of Dairy Science, 2022, 105, 2393-2407.	3.4	13
3	Genome-wide association study using haplotype libraries and repeated-measures model to identify candidate genomic regions for stillbirth in Holstein cattle. Journal of Dairy Science, 2022, 105, 1314-1326.	3.4	4
4	Using publicly available weather station data to investigate the effects of heat stress on milk production traits in Canadian Holstein cattle. Canadian Journal of Animal Science, 2022, 102, 368-381.	1.5	14
5	Identifying pleiotropic variants and candidate genes for fertility and reproduction traits in Holstein cattle via association studies based on imputed whole-genome sequence genotypes. BMC Genomics, 2022, 23, 331.	2.8	17
6	Single- and multiple-breed genomic evaluations for conformation traits in Canadian Alpine and Saanen dairy goats. Journal of Dairy Science, 2022, 105, 5985-6000.	3.4	7
7	The value of incorporating carcass trait phenotypes in terminal sire selection indexes to improve carcass weight and quality of heavy lambs. Journal of Animal Breeding and Genetics, 2021, 138, 91-107.	2.0	1
8	Genome-wide association study and pathway analysis for fat deposition traits in Nellore cattle raised in pasture-based systems. Journal of Animal Breeding and Genetics, 2021, 138, 360-378.	2.0	14
9	Differential gene expression in dairy cows under negative energy balance and ketosis: A systematic review and meta-analysis. Journal of Dairy Science, 2021, 104, 602-615.	3.4	12
10	Genetic analysis of pathogen-specific intramammary infections in dairy cows. Journal of Dairy Science, 2021, 104, 1982-1992.	3.4	6
11	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.	3.4	19
12	Genome-wide identification and functional prediction of long non-coding RNAs in Sprague-Dawley rats during heat stress. BMC Genomics, 2021, 22, 122.	2.8	4
13	Genetic Diversity and Signatures of Selection for Thermal Stress in Cattle and Other Two Bos Species Adapted to Divergent Climatic Conditions. Frontiers in Genetics, 2021, 12, 604823.	2.3	29
14	Impact of Censored or Penalized Data in the Genetic Evaluation of Two Longevity Indicator Traits Using Random Regression Models in North American Angus Cattle. Animals, 2021, 11, 800.	2.3	4
15	Genome-wide association study for beef fatty acid profile using haplotypes in Nellore cattle. Livestock Science, 2021, 245, 104396.	1.6	10
16	Estimation of genetic parameters and selection response for reproductive and growth traits in Rideau-Arcott sheep. Canadian Journal of Animal Science, 2021, 101, 134-142.	1.5	1
17	Potential effects of hormonal synchronized breeding on genetic evaluations of fertility traits in dairy cattle: A simulation study. Journal of Dairy Science, 2021, 104, 4404-4412.	3.4	5
18	Comprehensive RNA-Seq Profiling Reveals Temporal and Tissue-Specific Changes in Gene Expression in Sprague-Dawley Rats as Response to Heat Stress Challenges. Frontiers in Genetics, 2021, 12, 651979.	2.3	11

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19	Different selection practices affect the environmental sensitivity of beef cattle. PLoS ONE, 2021, 16, e0248186.	2.5	5
20	Effects of Incorporating Dry Matter Intake and Residual Feed Intake into a Selection Index for Dairy Cattle Using Deterministic Modeling. Animals, 2021, 11, 1157.	2.3	5
21	Genome-wide association study between copy number variants and hoof health traits in Holstein dairy cattle. Journal of Dairy Science, 2021, 104, 8050-8061.	3.4	15
22	Associations between feed efficiency and aspects of lactation curves in primiparous Holstein dairy cattle. Journal of Dairy Science, 2021, 104, 9304-9315.	3.4	3
23	Estimated genetic parameters for all genetically evaluated traits in Canadian Holsteins. Journal of Dairy Science, 2021, 104, 9002-9015.	3.4	30
24	Breeding for reduced methane emission and feed-efficient Holstein cows: An international response. Journal of Dairy Science, 2021, 104, 8983-9001.	3.4	49
25	Johne's Disease in Dairy Cattle: An Immunogenetic Perspective. Frontiers in Veterinary Science, 2021, 8, 718987.	2.2	13
26	Identification of unique ROH regions with unfavorable effects on production and fertility traits in Canadian Holsteins. Genetics Selection Evolution, 2021, 53, 68.	3.0	14
27	Genome-wide association study and pathway analysis for carcass fatness in Nelore cattle measured by ultrasound. Animal Genetics, 2021, 52, 730-733.	1.7	3
28	Genome-wide association study and functional analyses for clinical and subclinical ketosis in Holstein cattle. Journal of Dairy Science, 2021, 104, 10076-10089.	3.4	14
29	Prediction of Genetic Resistance for Scrapie in Ungenotyped Sheep Using a Linear Animal Model. Genes, 2021, 12, 1432.	2.4	3
30	Genetic parameters for methane emission traits in Australian dairy cows. Journal of Dairy Science, 2021, 104, 539-549.	3.4	29
31	166 Livestock Resiliency: Concepts and Approaches. Journal of Animal Science, 2021, 99, 89-90.	0.5	2
32	31 Gametic Incompatibility: Improving the Success of Mate Allocation in Dairy Cattle. Journal of Animal Science, 2021, 99, 16-17.	0.5	0
33	PSXI-8 Heritability estimates of antibody- and cell-mediated immune response in north American angus beef cattle. Journal of Animal Science, 2021, 99, 244-245.	0.5	0
34	A Comprehensive Comparison of Haplotype-Based Single-Step Genomic Predictions in Livestock Populations With Different Genetic Diversity Levels: A Simulation Study. Frontiers in Genetics, 2021, 12, 729867.	2.3	6
35	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. Journal of Animal Science, 2021, 99, 178-179.	0.5	0
36	PSVIII-7 Genetic parameters for health traits in dairy calves. Journal of Animal Science, 2021, 99, 240-240.	0.5	0

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37	37 Single-step Genomic BLUP Fitting Snps or Haplotypes in Genetically-diverse Populations: A Simulation Study. Journal of Animal Science, 2021, 99, 21-22.	0.5	0
38	PSXV-1 Genetic evaluation of longevity of cows culled due to fertility-related problems using random regression models and censored data. Journal of Animal Science, 2021, 99, 261-261.	0.5	0
39	43 Single and Multiple-breed Genomic Predictions for Conformation Traits of Canadian Dairy Goats. Journal of Animal Science, 2021, 99, 27-28.	0.5	0
40	PSVIII-4 Genetic evaluation of functional heifer longevity in north American angus cattle. Journal of Animal Science, 2021, 99, 240-241.	0.5	0
41	Effect of synchronized breeding on genetic evaluations of fertility traits in dairy cattle. Journal of Dairy Science, 2021, 104, 11820-11831.	3.4	3
42	Comparison between methods for measuring fecal egg count and estimating genetic parameters for gastrointestinal parasite resistance traits in sheep. Journal of Animal Science, 2021, 99, .	0.5	5
43	Genomewide Association Analyses of Lactation Persistency and Milk Production Traits in Holstein Cattle Based on Imputed Whole-Genome Sequence Data. Genes, 2021, 12, 1830.	2.4	39
44	Prospects for exploiting epigenetic effects in livestock production. Animal Frontiers, 2021, 11, 3-4.	1.7	3
45	Estimation of additive and non-additive genetic effects for fertility and reproduction traits in North American Holstein cattle using genomic information. Journal of Animal Breeding and Genetics, 2020, 137, 316-330.	2.0	20
46	Comparison of genomic prediction methods for evaluation of adaptation and productive efficiency traits in Braford and Hereford cattle. Livestock Science, 2020, 231, 103864.	1.6	14
47	Genetic and genomic analyses of embryo production in dairy cattle. Reproduction, Fertility and Development, 2020, 32, 50.	0.4	7
48	Comparison between haplotype-based and individual snp-based genomic predictions for beef fatty acid profile in Nelore cattle. Journal of Animal Breeding and Genetics, 2020, 137, 468-476.	2.0	10
49	The dynamic behavior of feed efficiency in primiparous dairy cattle. Journal of Dairy Science, 2020, 103, 1528-1540.	3.4	23
50	Effects of frequency of supplementation of low-quality gestation diets on beef cow performance from mid-gestation through lactation and preweaning calf performance. Applied Animal Science, 2020, 36, 237-248.	1.2	0
51	Discovering lethal alleles across the turkey genome using a transmission ratio distortion approach. Animal Genetics, 2020, 51, 876-889.	1.7	12
52	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.	3.4	7
53	Effect of recent and ancient inbreeding on production and fertility traits in Canadian Holsteins. BMC Genomics, 2020, 21, 605.	2.8	39
54	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.	1.9	2

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55	Using Random Regression Models to Genetically Evaluate Functional Longevity Traits in North American Angus Cattle. <i>Animals</i> , 2020, 10, 2410.	2.3	14
56	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.	3.3	16
57	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.	1.5	31
58	The Future of Phenomics. <i>Animal Frontiers</i> , 2020, 10, 4-5.	1.7	3
59	Cholesterol deficiency haplotype frequency and its impact on milk production and milk cholesterol content in Canadian Holstein cows. <i>Canadian Journal of Animal Science</i> , 2020, 100, 786-791.	1.5	2
60	Symposium review: Multiple-trait single-step genomic evaluation for hoof health. <i>Journal of Dairy Science</i> , 2020, 103, 5346-5353.	3.4	10
61	Genomic analyses for predicted milk fatty acid composition throughout lactation in North American Holstein cattle. <i>Journal of Dairy Science</i> , 2020, 103, 6318-6331.	3.4	17
62	Genomic regions associated with principal components for growth, visual score and reproductive traits in Nellore cattle. <i>Livestock Science</i> , 2020, 233, 103936.	1.6	4
63	Targeted genotyping to identify potential functional variants associated with cholesterol content in bovine milk. <i>Animal Genetics</i> , 2020, 51, 200-209.	1.7	7
64	A comprehensive comparison of high-density SNP panels and an alternative ultra-high-density panel for genomic analyses in Nellore cattle. <i>Animal Production Science</i> , 2020, 60, 333.	1.3	4
65	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.	3.4	85
66	Estimation of genetic parameters for mid-infrared ⁶⁶ predicted lactoferrin and milk fat globule size in Holstein cattle. <i>Journal of Dairy Science</i> , 2020, 103, 2487-2497.	3.4	3
67	Genomic predictions based on haplotypes fitted as pseudo-SNP for milk production and udder type traits and SCS in French dairy goats. <i>Journal of Dairy Science</i> , 2020, 103, 11559-11573.	3.4	20
68	Using imputed whole-genome sequence variants to uncover candidate mutations and genes affecting milking speed and temperament in Holstein cattle. <i>Journal of Dairy Science</i> , 2020, 103, 10383-10398.	3.4	20
69	29 Conditional GWAS using sequence-based genotypes for susceptibility to <i>Mycobacterium avium</i> subsp paratuberculosis infection in Canadian Holstein. <i>Journal of Animal Science</i> , 2020, 98, 17-17.	0.5	0
70	PSIII-12 Genetic analysis of heat tolerance in Holsteins using test-day production records and satellite-based meteorological data. <i>Journal of Animal Science</i> , 2020, 98, 229-230.	0.5	0
71	PSXII-23 Identification and evaluation of novel fertility traits using automated activity monitor data from commercial dairy herds. <i>Journal of Animal Science</i> , 2020, 98, 248-249.	0.5	0
72	11 Genome-wide association study using repeated measures model for stillbirth in Holstein dairy cattle. <i>Journal of Animal Science</i> , 2020, 98, 15-16.	0.5	0

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73	PSIII-9 Differences in Conception Rate across Breeding Protocols in Dairy Cattle. <i>Journal of Animal Science</i> , 2020, 98, 234-234.	0.5	0
74	PSIII-8 Difference between two fecal egg count methods and estimation of genetic parameters for gastrointestinal parasite resistance traits in sheep. <i>Journal of Animal Science</i> , 2020, 98, 232-233.	0.5	0
75	352 Awardee Talk: Identification of novel haplotypes with recessive and allelic inheritance patterns affecting embryonic development processes, gestation losses and post-natal lethality in cattle. <i>Journal of Animal Science</i> , 2020, 98, 83-83.	0.5	0
76	PSX-39 Late-Breaking Abstract: Characterization of epigenetic and transcriptional landscape in heat stressed rats using ATAC-seq and RNA-seq. <i>Journal of Animal Science</i> , 2020, 98, 353-354.	0.5	0
77	PSI-1 A systematic review and meta-analysis of GWAS and gene expression results of Holstein cattle under negative energy balance and ketosis. <i>Journal of Animal Science</i> , 2020, 98, 265-266.	0.5	0
78	Contemporary group alternatives for genetic evaluation of milk yield in small populations of dairy cattle. <i>Animal Production Science</i> , 2019, 59, 1022.	1.3	5
79	The effect of host genetics on in vitro performance of bovine monocyte-derived macrophages. <i>Journal of Dairy Science</i> , 2019, 102, 9107-9116.	3.4	8
80	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.	3.4	11
81	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.	3.4	13
82	Genome-wide association analysis for $\hat{\nu}^2$ -hydroxybutyrate concentration in Milk in Holstein dairy cattle. <i>BMC Genetics</i> , 2019, 20, 58.	2.7	29
83	Invited review: Advances and applications of random regression models: From quantitative genetics to genomics. <i>Journal of Dairy Science</i> , 2019, 102, 7664-7683.	3.4	46
84	The GATK joint genotyping workflow is appropriate for calling variants in RNA-seq experiments. <i>Journal of Animal Science and Biotechnology</i> , 2019, 10, 44.	5.3	83
85	Cardiac function and feed efficiency: Increased right-heart workload in feed inefficient beef cattle. <i>Livestock Science</i> , 2019, 229, 159-169.	1.6	1
86	Genome-wide association for milk production traits and somatic cell score in different lactation stages of Ayrshire, Holstein, and Jersey dairy cattle. <i>Journal of Dairy Science</i> , 2019, 102, 8159-8174.	3.4	42
87	Single-step genome-wide association for longitudinal traits of Canadian Ayrshire, Holstein, and Jersey dairy cattle. <i>Journal of Dairy Science</i> , 2019, 102, 9995-10011.	3.4	29
88	Application of single-step genomic evaluation using multiple-trait random regression test-day models in dairy cattle. <i>Journal of Dairy Science</i> , 2019, 102, 2365-2377.	3.4	45
89	Genetic and genomic analyses of testicular hypoplasia in Nelore cattle. <i>PLoS ONE</i> , 2019, 14, e0211159.	2.5	9
90	Optimizing Selection of the Reference Population for Genotype Imputation From Array to Sequence Variants. <i>Frontiers in Genetics</i> , 2019, 10, 510.	2.3	13

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91	Impact of including information from bulls and their daughters in the training population of multiple-step genomic evaluations in dairy cattle: A simulation study. <i>Journal of Animal Breeding and Genetics</i> , 2019, 136, 441-452.	2.0	5
92	DSRIG: Incorporating graphical structure in the regularized modeling of SNP data. <i>Journal of Bioinformatics and Computational Biology</i> , 2019, 17, 1950017.	0.8	3
93	DSLRIG: Leveraging predictor structure in logistic regression. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2019, , 1-13.	1.2	2
94	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.	3.4	12
95	Implementation of Bayesian methods to identify SNP and haplotype regions with transmission ratio distortion across the whole genome: TRDscan v.1.0. <i>Journal of Dairy Science</i> , 2019, 102, 3175-3188.	3.4	19
96	PSVIII-19 Meta-analysis of genetic parameter estimates for feed efficiency traits in dairy cattle. <i>Journal of Animal Science</i> , 2019, 97, 271-272.	0.5	0
97	PSX-19 Factors affecting growth and carcass trait performance of Canadian heavy lambs. <i>Journal of Animal Science</i> , 2019, 97, 457-457.	0.5	0
98	179 Breeding for enhancing feed efficiency in dairy cattle. <i>Journal of Animal Science</i> , 2019, 97, 183-184.	0.5	0
99	Genome-Wide Association Study for Milk Fatty Acids in Holstein Cattle Accounting for the DGAT1 Gene Effect. <i>Animals</i> , 2019, 9, 997.	2.3	17
100	Single-Step Methodology for Genomic Evaluation in Turkeys (<i>Meleagris gallopavo</i>). <i>Frontiers in Genetics</i> , 2019, 10, 1248.	2.3	16
101	A landscape of the heritability of Fourier-transform infrared spectral wavelengths of milk samples by parity and lactation stage in Holstein cows. <i>Journal of Dairy Science</i> , 2019, 102, 1354-1363.	3.4	14
102	Genomic prediction of lactation curves for milk, fat, protein, and somatic cell score in Holstein cattle. <i>Journal of Dairy Science</i> , 2019, 102, 452-463.	3.4	20
103	Genetics and genomics of reproductive disorders in Canadian Holstein cattle. <i>Journal of Dairy Science</i> , 2019, 102, 1341-1353.	3.4	44
104	Strategies for within-litter selection of piglets using ultra-low density SNP panels. <i>Livestock Science</i> , 2019, 220, 173-179.	1.6	1
105	A genetic evaluation of growth, ultrasound, and carcass traits at alternative slaughter endpoints in crossbred heavy lambs1. <i>Journal of Animal Science</i> , 2019, 97, 521-535.	0.5	12
106	Genomic selection for meat quality traits in Nelore cattle. <i>Meat Science</i> , 2019, 148, 32-37.	5.5	23
107	Developments in genomic predictions in dairy cattle breeding: a historical overview of methods, technologies, and applications. <i>Burleigh Dodds Series in Agricultural Science</i> , 2019, , 357-382.	0.2	0
108	Genetic correlations of mid-infrared-predicted milk fatty acid groups with milk production traits. <i>Journal of Dairy Science</i> , 2018, 101, 4295-4306.	3.4	19

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109	Comparing deregression methods for genomic prediction of test-day traits in dairy cattle. <i>Journal of Animal Breeding and Genetics</i> , 2018, 135, 97-106.	2.0	17
110	Meta-analysis of genome-wide association studies for cattle stature identifies common genes that regulate body size in mammals. <i>Nature Genetics</i> , 2018, 50, 362-367.	21.4	286
111	Genotype imputation from various low-density SNP panels and its impact on accuracy of genomic breeding values in pigs. <i>Animal</i> , 2018, 12, 2235-2245.	3.3	18
112	The effect of using cow genomic information on accuracy and bias of genomic breeding values in a simulated Holstein dairy cattle population. <i>Journal of Dairy Science</i> , 2018, 101, 5166-5176.	3.4	9
113	Candidate gene association analyses for ketosis resistance in Holsteins. <i>Journal of Dairy Science</i> , 2018, 101, 5240-5249.	3.4	13
114	A comprehensive comparison between single- and two-step GBLUP methods in a simulated beef cattle population. <i>Canadian Journal of Animal Science</i> , 2018, 98, 565-575.	1.5	11
115	Estimation of direct and maternal genetic parameters for individual birth weight and probe weight using cross-fostering information. <i>Canadian Journal of Animal Science</i> , 2018, 98, 548-556.	1.5	3
116	Associations of rumen parameters with feed efficiency and sampling routine in beef cattle. <i>Animal</i> , 2018, 12, 1442-1450.	3.3	36
117	Genetic mechanisms underlying spermatic and testicular traits within and among cattle breeds: systematic review and prioritization of GWAS results ¹ . <i>Journal of Animal Science</i> , 2018, 96, 4978-4999.	0.5	17
118	Combining multi-OMICs information to identify key-regulator genes for pleiotropic effect on fertility and production traits in beef cattle. <i>PLoS ONE</i> , 2018, 13, e0205295.	2.5	33
119	Genome wide association study identifies novel potential candidate genes for bovine milk cholesterol content. <i>Scientific Reports</i> , 2018, 8, 13239.	3.3	25
120	The genetic architecture of milk ELISA scores as an indicator of Johne's disease (paratuberculosis) in dairy cattle. <i>Journal of Dairy Science</i> , 2018, 101, 10062-10075.	3.4	22
121	Marginal ancestral contributions to atrial fibrillation in the Standardbred racehorse: Comparison of cases and controls. <i>PLoS ONE</i> , 2018, 13, e0197137.	2.5	8
122	Genetic parameters of milk cholesterol content in Holstein cattle. <i>Canadian Journal of Animal Science</i> , 2018, 98, 714-722.	1.5	10
123	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.	3.4	36
124	Estimation of direct and maternal genetic parameters for individual birth weight, weaning weight, and probe weight in Yorkshire and Landrace pigs ¹ . <i>Journal of Animal Science</i> , 2018, 96, 2567-2578.	0.5	22
125	Genomic data reveals large similarities among Canadian and French maternal pig lines. <i>Canadian Journal of Animal Science</i> , 2018, 98, 809-817.	1.5	2
126	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.	3.4	16

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127	Assessing genetic diversity of various Canadian sheep breeds through pedigree analyses. Canadian Journal of Animal Science, 2018, 98, 741-749.	1.5	9
128	Assessing haplotype-based models for genomic evaluation in Holstein cattle. Canadian Journal of Animal Science, 2018, 98, 750-759.	1.5	15
129	Variation in fat globule size in bovine milk and its prediction using mid-infrared spectroscopy. Journal of Dairy Science, 2017, 100, 1640-1649.	3.4	28
130	Prediction of genomic breeding values for growth, carcass and meat quality traits in a multi-breed sheep population using a HD SNP chip. BMC Genetics, 2017, 18, 7.	2.7	48
131	Genetic parameters for hoof health traits estimated with linear and threshold models using alternative cohorts. Journal of Dairy Science, 2017, 100, 2828-2836.	3.4	31
132	A comparison of different algorithms for phasing haplotypes using Holstein cattle genotypes and pedigree data. Journal of Dairy Science, 2017, 100, 2837-2849.	3.4	20
133	Genomic predictions for economically important traits in Brazilian Braford and Hereford beef cattle using true and imputed genotypes. BMC Genetics, 2017, 18, 2.	2.7	18
134	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.	3.4	37
135	Genome-wide association study for lactation persistency, female fertility, longevity, and lifetime profit index traits in Holstein dairy cattle. Journal of Dairy Science, 2017, 100, 1246-1258.	3.4	51
136	Genetic analysis of groups of mid-infrared predicted fatty acids in milk. Journal of Dairy Science, 2017, 100, 4731-4744.	3.4	26
137	Genetic diversity and signatures of selection in various goat breeds revealed by genome-wide SNP markers. BMC Genomics, 2017, 18, 229.	2.8	141
138	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.	3.4	6
139	Genetic analysis for quality of frozen embryos produced by Holstein cattle donors in Canada. Journal of Dairy Science, 2017, 100, 7320-7329.	3.4	4
140	Genetic parameters for various growth, carcass and meat quality traits in a New Zealand sheep population. Small Ruminant Research, 2017, 154, 81-91.	1.2	37
141	Estimates of heritability of atrial fibrillation in the Standardbred racehorse. Equine Veterinary Journal, 2017, 49, 718-722.	1.7	14
142	Associations of acute stress and overnight heart rate with feed efficiency in beef heifers. Animal, 2017, 11, 452-460.	3.3	9
143	Genetic diversity, extent of linkage disequilibrium and persistence of gametic phase in Canadian pigs. BMC Genetics, 2017, 18, 6.	2.7	34
144	Genetic diversity of a New Zealand multi-breed sheep population and composite breeds'™ history revealed by a high-density SNP chip. BMC Genetics, 2017, 18, 25.	2.7	47

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145	Novel methods for genotype imputation to whole-genome sequence and a simple linear model to predict imputation accuracy. <i>BMC Genetics</i> , 2017, 18, 120.	2.7	9
146	Study on the introgression of beef breeds in Canchim cattle using single nucleotide polymorphism markers. <i>PLoS ONE</i> , 2017, 12, e0171660.	2.5	11
147	Genome-wide association studies and genomic prediction of breeding values for calving performance and body conformation traits in Holstein cattle. <i>Genetics Selection Evolution</i> , 2017, 49, 82.	3.0	55
148	Assessing the value of phenotypic information from non-genotyped animals for QTL mapping of complex traits in real and simulated populations. <i>BMC Genetics</i> , 2016, 17, 89.	2.7	20
149	Genomic clustering helps to improve prediction in a multibreed population1. <i>Journal of Animal Science</i> , 2016, 94, 1844-1856.	0.5	6
150	Genetic analysis of superovulatory response of Holstein cows in Canada. <i>Journal of Dairy Science</i> , 2016, 99, 3612-3623.	3.4	34
151	Genetic and phenotypic associations of milk β -hydroxybutyrate with ketosis in Canadian Holsteins. <i>Canadian Journal of Animal Science</i> , 2016, 96, 302-305.	1.5	7
152	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.	3.4	6
153	Accuracy of genomic predictions for feed efficiency traits of beef cattle using 50K and imputed HD genotypes1. <i>Journal of Animal Science</i> , 2016, 94, 1342-1353.	0.5	34
154	A genome-wide association study to identify chromosomal regions influencing ovine cortisol response. <i>Livestock Science</i> , 2016, 187, 40-47.	1.6	10
155	Genome-wide association for milk production and female fertility traits in Canadian dairy Holstein cattle. <i>BMC Genetics</i> , 2016, 17, 75.	2.7	110
156	An alternative computing strategy for genomic prediction using a Bayesian mixture model. <i>Canadian Journal of Animal Science</i> , 2015, 95, 1-11.	1.5	3
157	A large and diverse collection of bovine genome sequences from the Canadian Cattle Genome Project. <i>GigaScience</i> , 2015, 4, 49.	6.4	38
158	Association of <i>TLR4</i> polymorphisms with <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> infection status in Canadian Holsteins. <i>Animal Genetics</i> , 2015, 46, 560-565.	1.7	23
159	Association of Apolipoprotein B and Adiponectin Receptor 1 Genes with Carcass, Bone Integrity and Performance Traits in a Paternal Broiler Line. <i>PLoS ONE</i> , 2015, 10, e0136824.	2.5	9
160	Genetic relationship among reproductive traits in Nellore cattle. <i>Animal</i> , 2015, 9, 760-765.	3.3	11
161	Modeling breed additive and non-additive genetic effects using a Angus x Nellore crossbred population. <i>Livestock Science</i> , 2015, 176, 1-13.	1.6	2
162	Characterization of linkage disequilibrium, consistency of gametic phase and admixture in Australian and Canadian goats. <i>BMC Genetics</i> , 2015, 16, 67.	2.7	91

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