Flavio S Schenkel

List of Publications by Year in Descending Order

237 papers	6,367 citations	40 h-index	72 g-index
247 ext. papers	7,986 ext. citations	2.8 avg, IF	6.5 L-index

#	Paper	IF	Citations
237	Single-step genomic evaluation of milk production traits in Canadian Alpine and Saanen dairy goats.. *Journal of Dairy Science*, **2022**,	3.8	1
236	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	4.3	0
235	Single- and multiple-breed genomic evaluations for conformation traits in Canadian Alpine and Saanen dairy goats.. *Journal of Dairy Science*, **2022**,	3.8	1
234	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	2.9	1
233	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	2.9	1
232	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	3.8	2
231	Genetic analysis of pathogen-specific intramammary infections in dairy cows. *Journal of Dairy Science*, **2021**, 104, 1982-1992	3.8	1
230	Genome-wide association study between copy number variants and hoof health traits in Holstein dairy cattle. *Journal of Dairy Science*, **2021**, 104, 8050-8061	3.8	1
229	Associations between feed efficiency and aspects of lactation curves in primiparous Holstein dairy cattle. *Journal of Dairy Science*, **2021**, 104, 9304-9315	3.8	1
228	Estimated genetic parameters for all genetically evaluated traits in Canadian Holsteins. *Journal of Dairy Science*, **2021**, 104, 9002-9015	3.8	2
227	Breeding for reduced methane emission and feed-efficient Holstein cows: An international response. *Journal of Dairy Science*, **2021**, 104, 8983-9001	3.8	3
226	Johne Ƭs Disease in Dairy Cattle: An Immunogenetic Perspective. *Frontiers in Veterinary Science*, **2021**, 8, 718987	2.9	1
225	Identification of unique ROH regions with unfavorable effects on production and fertility traits in Canadian Holsteins. *Genetics Selection Evolution*, **2021**, 53, 68	4.7	5
224	Genome-wide association study and pathway analysis for carcass fatness in Nellore cattle measured by ultrasound. *Animal Genetics*, **2021**, 52, 730-733	2.3	0
223	Genome-wide association study and functional analyses for clinical and subclinical ketosis in Holstein cattle. *Journal of Dairy Science*, **2021**, 104, 10076-10089	3.8	1
222	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	3.8	4
221	Genome-wide identification and functional prediction of long non-coding RNAs in Sprague-Dawley rats during heat stress. *BMC Genomics*, **2021**, 22, 122	4.3	2

220	Genetic Diversity and Signatures of Selection for Thermal Stress in Cattle and Other Two Species Adapted to Divergent Climatic Conditions. *Frontiers in Genetics*, **2021**, 12, 604823	4.4	9
219	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,	3	2
218	Genome-wide association study for beef fatty acid profile using haplotypes in Nellore cattle. *Livestock Science*, **2021**, 245, 104396	1.6	3
217	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	0.9	
216	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	3.8	2
215	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	4.4	3
214	Different selection practices affect the environmental sensitivity of beef cattle. *PLoS ONE*, **2021**, 16, e0248186	3.6	0
213	Prospects for exploiting epigenetic effects in livestock production. *Animal Frontiers*, **2021**, 11, 3-4	5.3	1
212	Genetic parameters for methane emission traits in Australian dairy cows. *Journal of Dairy Science*, **2021**, 104, 539-549	3.8	6
211	166 Livestock Resiliency: Concepts and Approaches. *Journal of Animal Science*, **2021**, 99, 89-90	0.6	78
210	31 Gametic Incompatibility: Improving the Success of Mate Allocation in Dairy Cattle. *Journal of Animal Science*, **2021**, 99, 16-17	0.6	78
209	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	0.6	
208	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	4.4	2
207	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	0.6	
206	PSVIII-7 Genetic parameters for health traits in dairy calves. *Journal of Animal Science*, **2021**, 99, 240-240	0.6	78
205	37 Single-step Genomic BLUP Fitting Snps or Haplotypes in Genetically-diverse Populations: A Simulation Study. *Journal of Animal Science*, **2021**, 99, 21-22	0.6	78
204	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	0.6	78
203	43 Single and Multiple-breed Genomic Predictions for Conformation Traits of Canadian Dairy Goats. *Journal of Animal Science*, **2021**, 99, 27-28	0.6	78

202	PSVIII-4 Genetic evaluation of functional heifer longevity in north American angus cattle. *Journal of Animal Science*, **2021**, 99, 240-241	0.6	78
201	Effect of synchronized breeding on genetic evaluations of fertility traits in dairy cattle. *Journal of Dairy Science*, **2021**, 104, 11820-11831	3.8	0
200	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	2.9	7
199	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	8
198	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	2.9	6
197	The dynamic behavior of feed efficiency in primiparous dairy cattle. *Journal of Dairy Science*, **2020**, 103, 1528-1540	3.8	10
196	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	
195	Discovering lethal alleles across the turkey genome using a transmission ratio distortion approach. *Animal Genetics*, **2020**, 51, 876-889	2.3	3
194	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	3.8	5
193	Effect of recent and ancient inbreeding on production and fertility traits in Canadian Holsteins. *BMC Genomics*, **2020**, 21, 605	4.3	14
192	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	2.6	2
191	Using Random Regression Models to Genetically Evaluate Functional Longevity Traits in North American Angus Cattle. *Animals*, **2020**, 10,	3	5
190	High confidence copy number variants identified in Holstein dairy cattle from whole genome sequence and genotype array data. *Scientific Reports*, **2020**, 10, 8044	4.7	5
189	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	4
188	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
187	Symposium review: Multiple-trait single-step genomic evaluation for hoof health. *Journal of Dairy Science*, **2020**, 103, 5346-5353	3.8	4
186	Genomic analyses for predicted milk fatty acid composition throughout lactation in North American Holstein cattle. *Journal of Dairy Science*, **2020**, 103, 6318-6331	3.8	5
185	Genomic regions associated with principal components for growth, visual score and reproductive traits in Nellore cattle. *Livestock Science*, **2020**, 233, 103936	1.6	2

184	Targeted genotyping to identify potential functional variants associated with cholesterol content in bovine milk. *Animal Genetics*, **2020**, 51, 200-209	2.3	5
183	A comprehensive comparison of high-density SNP panels and an alternative ultra-high-density panel for genomic analyses in Nellore cattle. *Animal Production Science*, **2020**, 60, 333	1.3	2
182	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	3.8	24
181	29 Conditional GWAS using sequence-based genotypes for susceptibility to Mycobacterium avium subsp paratuberculosis infection in Canadian Holstein. *Journal of Animal Science*, **2020**, 98, 17-17	0.6	
180	PSIII-12 Genetic analysis of heat tolerance in Holsteins using test-day production records and satellite-based meteorological data. *Journal of Animal Science*, **2020**, 98, 229-230	0.6	
179	PSXII-23 Identification and evaluation of novel fertility traits using automated activity monitor data from commercial dairy herds. *Journal of Animal Science*, **2020**, 98, 248-249	0.6	
178	11 Genome-wide association study using repeated measures model for stillbirth in Holstein dairy cattle. *Journal of Animal Science*, **2020**, 98, 15-16	0.6	
177	PSIII-9 Differences in Conception Rate across Breeding Protocols in Dairy Cattle. *Journal of Animal Science*, **2020**, 98, 234-234	0.6	
176	PSIII-8 Difference between two fecal egg count methods and estimation of genetic parameters for gastrointestinal parasite resistance traits in sheep. *Journal of Animal Science*, **2020**, 98, 232-233	0.6	
175	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. *Journal of Animal Science*, **2020**, 98, 83-83	0.6	
174	PSX-39 Late-Breaking Abstract: Characterization of epigenetic and transcriptional landscape in heat stressed rats using ATAC-seq and RNA-seq. *Journal of Animal Science*, **2020**, 98, 353-354	0.6	
173	PSI-1 A systematic review and meta-analysis of GWAS and gene expression results of Holstein cattle under negative energy balance and ketosis. *Journal of Animal Science*, **2020**, 98, 265-266	0.6	
172	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	3.8	2
171	Genomic predictions based on haplotypes fitted as pseudo-SNP for milk production and udder type traits and SCS in French dairy goats. *Journal of Dairy Science*, **2020**, 103, 11559-11573	3.8	5
170	Using imputed whole-genome sequence variants to uncover candidate mutations and genes affecting milking speed and temperament in Holstein cattle. *Journal of Dairy Science*, **2020**, 103, 10383-10398	3.8	7
169	Cardiac function and feed efficiency: Increased right-heart workload in feed inefficient beef cattle. *Livestock Science*, **2019**, 229, 159-169	1.6	1
168	Genome-wide association for milk production traits and somatic cell score in different lactation stages of Ayrshire, Holstein, and Jersey dairy cattle. *Journal of Dairy Science*, **2019**, 102, 8159-8174	3.8	21
167	Single-step genome-wide association for longitudinal traits of Canadian Ayrshire, Holstein, and Jersey dairy cattle. *Journal of Dairy Science*, **2019**, 102, 9995-10011	3.8	18

166	Application of single-step genomic evaluation using multiple-trait random regression test-day models in dairy cattle. *Journal of Dairy Science*, **2019**, 102, 2365-2377	3.8	20
165	Genetic and genomic analyses of testicular hypoplasia in Nellore cattle. *PLoS ONE*, **2019**, 14, e0211159	3.6	5
164	Optimizing Selection of the Reference Population for Genotype Imputation From Array to Sequence Variants. *Frontiers in Genetics*, **2019**, 10, 510	4.4	9
163	Impact of including information from bulls and their daughters in the training population of multiple-step genomic evaluations in dairy cattle: A simulation study. *Journal of Animal Breeding and Genetics*, **2019**, 136, 441-452	2.9	3
162	DSRIG: Incorporating graphical structure in the regularized modeling of SNP data. *Journal of Bioinformatics and Computational Biology*, **2019**, 17, 1950017	1	2
161	DSLRIG: Leveraging predictor structure in logistic regression. *Communications in Statistics Part B: Simulation and Computation*, **2019**, 1-13	0.6	
160	Contemporary group alternatives for genetic evaluation of milk yield in small populations of dairy cattle. *Animal Production Science*, **2019**, 59, 1022	1.3	4
159	The effect of host genetics on in vitro performance of bovine monocyte-derived macrophages. *Journal of Dairy Science*, **2019**, 102, 9107-9116	3.8	6
158	Genetic parameters for clutch and broodiness traits in turkeys (Meleagris Gallopavo) and their relationship with body weight and egg production. *Poultry Science*, **2019**, 98, 6263-6269	3.8	4
157	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	3.8	5
156	Genome-wide association analysis for -hydroxybutyrate concentration in Milk in Holstein dairy cattle. *BMC Genetics*, **2019**, 20, 58	2.5	16
155	Invited review: Advances and applications of random regression models: From quantitative genetics to genomics. *Journal of Dairy Science*, **2019**, 102, 7664-7683	3.8	18
154	The GATK joint genotyping workflow is appropriate for calling variants in RNA-seq experiments. *Journal of Animal Science and Biotechnology*, **2019**, 10, 44	5.8	36
153	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	3.8	6
152	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	3.8	7
151	PSVIII-19 Meta-analysis of genetic parameter estimates for feed efficiency traits in dairy cattle. *Journal of Animal Science*, **2019**, 97, 271-272	0.6	78
150	PSX-19 Factors affecting growth and carcass trait performance of Canadian heavy lambs. *Journal of Animal Science*, **2019**, 97, 457-457	0.6	78
149	179 Breeding for enhancing feed efficiency in dairy cattle. *Journal of Animal Science*, **2019**, 97, 183-184	0.6	78

148	Genome-Wide Association Study for Milk Fatty Acids in Holstein Cattle Accounting for the Gene Effect. *Animals*, **2019**, 9,	3	8
147	Single-Step Methodology for Genomic Evaluation in Turkeys (). *Frontiers in Genetics*, **2019**, 10, 1248	4.4	9
146	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	3.8	9
145	Genomic prediction of lactation curves for milk, fat, protein, and somatic cell score in Holstein cattle. *Journal of Dairy Science*, **2019**, 102, 452-463	3.8	12
144	Genetics and genomics of reproductive disorders in Canadian Holstein cattle. *Journal of Dairy Science*, **2019**, 102, 1341-1353	3.8	16
143	Strategies for within-litter selection of piglets using ultra-low density SNP panels. *Livestock Science*, **2019**, 220, 173-179	1.6	1
142	A genetic evaluation of growth, ultrasound, and carcass traits at alternative slaughter endpoints in crossbred heavy lambs. *Journal of Animal Science*, **2019**, 97, 521-535	0.6	4
141	Genomic selection for meat quality traits in Nelore cattle. *Meat Science*, **2019**, 148, 32-37	6.2	11
140	Genetic and genomic analyses of embryo production in dairy cattle. *Reproduction, Fertility and Development*, **2019**, 32, 50-55	0.8	1
139	Developments in genomic predictions in dairy cattle breeding: a historical overview of methods, technologies, and applications. *Burleigh Dodds Series in Agricultural Science*, **2019**, 357-382	0.3	
138	Genetic correlations of mid-infrared-predicted milk fatty acid groups with milk production traits. *Journal of Dairy Science*, **2018**, 101, 4295-4306	3.8	11
137	Comparing deregression methods for genomic prediction of test-day traits in dairy cattle. *Journal of Animal Breeding and Genetics*, **2018**, 135, 97-106	2.9	14
136	Meta-analysis of genome-wide association studies for cattle stature identifies common genes that regulate body size in mammals. *Nature Genetics*, **2018**, 50, 362-367	35.2	135
135	Genotype imputation from various low-density SNP panels and its impact on accuracy of genomic breeding values in pigs. *Animal*, **2018**, 12, 2235-2245	3	8
134	The effect of using cow genomic information on accuracy and bias of genomic breeding values in a simulated Holstein dairy cattle population. *Journal of Dairy Science*, **2018**, 101, 5166-5176	3.8	6
133	Candidate gene association analyses for ketosis resistance in Holsteins. *Journal of Dairy Science*, **2018**, 101, 5240-5249	3.8	8
132	A comprehensive comparison between single- and two-step GBLUP methods in a simulated beef cattle population. *Canadian Journal of Animal Science*, **2018**, 98, 565-575	0.9	10
131	Estimation of direct and maternal genetic parameters for individual birth weight and probe weight using cross-fostering information. *Canadian Journal of Animal Science*, **2018**, 98, 548-556	0.9	1

130	Genetic parameters of milk cholesterol content in Holstein cattle. *Canadian Journal of Animal Science*, **2018**, 98, 714-722	0.9	8
129	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	3.8	16
128	Estimation of direct and maternal genetic parameters for individual birth weight, weaning weight, and probe weight in Yorkshire and Landrace pigs. *Journal of Animal Science*, **2018**, 96, 2567-2578	0.6	11
127	Genomic data reveals large similarities among Canadian and French maternal pig lines. *Canadian Journal of Animal Science*, **2018**, 98, 809-817	0.9	1
126	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	3.8	11
125	Assessing genetic diversity of various Canadian sheep breeds through pedigree analyses. *Canadian Journal of Animal Science*, **2018**, 98, 741-749	0.9	2
124	Assessing haplotype-based models for genomic evaluation in Holstein cattle. *Canadian Journal of Animal Science*, **2018**, 98, 750-759	0.9	11
123	Associations of rumen parameters with feed efficiency and sampling routine in beef cattle. *Animal*, **2018**, 12, 1442-1450	3	18
122	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	0.6	10
121	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	3.6	21
120	Genome wide association study identifies novel potential candidate genes for bovine milk cholesterol content. *Scientific Reports*, **2018**, 8, 13239	4.7	17
119	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	3.8	12
118	Marginal ancestral contributions to atrial fibrillation in the Standardbred racehorse: Comparison of cases and controls. *PLoS ONE*, **2018**, 13, e0197137	3.6	6
117	Study on the introgression of beef breeds in Canchim cattle using single nucleotide polymorphism markers. *PLoS ONE*, **2017**, 12, e0171660	3.6	7
116	Genome-wide association studies and genomic prediction of breeding values for calving performance and body conformation traits in Holstein cattle. *Genetics Selection Evolution*, **2017**, 49, 82	4.7	31
115	Genetic analysis for quality of frozen embryos produced by Holstein cattle donors in Canada. *Journal of Dairy Science*, **2017**, 100, 7320-7329	3.8	3
114	Genetic parameters for various growth, carcass and meat quality traits in a New Zealand sheep population. *Small Ruminant Research*, **2017**, 154, 81-91	1.6	20
113	Estimates of heritability of atrial fibrillation in the Standardbred racehorse. *Equine Veterinary Journal*, **2017**, 49, 718-722	2.3	11

112	Associations of acute stress and overnight heart rate with feed efficiency in beef heifers. *Animal*, **2017**, 11, 452-460	3	8
111	Genetic diversity, extent of linkage disequilibrium and persistence of gametic phase in Canadian pigs. *BMC Genetics*, **2017**, 18, 6	2.5	25
110	Genetic diversity of a New Zealand multi-breed sheep population and composite breedsThistory revealed by a high-density SNP chip. *BMC Genetics*, **2017**, 18, 25	2.5	19
109	Novel methods for genotype imputation to whole-genome sequence and a simple linear model to predict imputation accuracy. *BMC Genetics*, **2017**, 18, 120	2.5	4
108	Variation in fat globule size in bovine milk and its prediction using mid-infrared spectroscopy. *Journal of Dairy Science*, **2017**, 100, 1640-1649	3.8	19
107	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	2.5	25
106	Genetic parameters for hoof health traits estimated with linear and threshold models using alternative cohorts. *Journal of Dairy Science*, **2017**, 100, 2828-2836	3.8	17
105	A comparison of different algorithms for phasing haplotypes using Holstein cattle genotypes and pedigree data. *Journal of Dairy Science*, **2017**, 100, 2837-2849	3.8	15
104	Genomic predictions for economically important traits in Brazilian Braford and Hereford beef cattle using true and imputed genotypes. *BMC Genetics*, **2017**, 18, 2	2.5	11
103	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	3.8	23
102	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	3.8	30
101	Genetic analysis of groups of mid-infrared predicted fatty acids in milk. *Journal of Dairy Science*, **2017**, 100, 4731-4744	3.8	21
100	Genetic diversity and signatures of selection in various goat breeds revealed by genome-wide SNP markers. *BMC Genomics*, **2017**, 18, 229	4.3	67
99	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	3.8	4
98	Accuracy of genomic predictions for feed efficiency traits of beef cattle using 50K and imputed HD genotypes. *Journal of Animal Science*, **2016**, 94, 1342-53	0.6	24
97	A genome-wide association study to identify chromosomal regions influencing ovine cortisol response. *Livestock Science*, **2016**, 187, 40-47	1.6	5
96	Genome-wide association for milk production and female fertility traits in Canadian dairy Holstein cattle. *BMC Genetics*, **2016**, 17, 75	2.5	68
95	Assessing the value of phenotypic information from non-genotyped animals for QTL mapping of complex traits in real and simulated populations. *BMC Genetics*, **2016**, 17, 89	2.5	11

94	Genomic clustering helps to improve prediction in a multibreed population. *Journal of Animal Science*, **2016**, 94, 1844-56	0.6	6
93	Genetic analysis of superovulatory response of Holstein cows in Canada. *Journal of Dairy Science*, **2016**, 99, 3612-3623	3.8	23
92	Genetic and phenotypic associations of milk Ehydroxybutyrate with ketosis in Canadian Holsteins. *Canadian Journal of Animal Science*, **2016**, 96, 302-305	0.9	5
91	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	3.8	5
90	Genetic relationship among reproductive traits in Nellore cattle. *Animal*, **2015**, 9, 760-5	3	7
89	Modeling breed additive and non-additive genetic effects using a Angus x Nellore crossbred population. *Livestock Science*, **2015**, 176, 1-13	1.6	0
88	Characterization of linkage disequilibrium, consistency of gametic phase and admixture in Australian and Canadian goats. *BMC Genetics*, **2015**, 16, 67	2.5	40
87	Strategies for genotype imputation in composite beef cattle. *BMC Genetics*, **2015**, 16, 99	2.5	13
86	Effect of IGF1, GH, and PIT1 markers on the genetic parameters of growth and reproduction traits in Canchim cattle. *Molecular Biology Reports*, **2015**, 42, 245-51	2.7	11
85	A large and diverse collection of bovine genome sequences from the Canadian Cattle Genome Project. *GigaScience*, **2015**, 4, 49	7.3	28
84	Association of TLR4 polymorphisms with Mycobacterium avium subspecies paratuberculosis infection status in Canadian Holsteins. *Animal Genetics*, **2015**, 46, 560-5	2.3	18
83	Association of Apolipoprotein B and Adiponectin Receptor 1 Genes with Carcass, Bone Integrity and Performance Traits in a Paternal Broiler Line. *PLoS ONE*, **2015**, 10, e0136824	3.6	4
82	An alternative computing strategy for genomic prediction using a Bayesian mixture model. *Canadian Journal of Animal Science*, **2015**, 95, 1-11	0.9	2
81	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	3.8	40
80	Persistency of accuracy of genomic breeding values for different simulated pig breeding programs in developing countries. *Journal of Animal Breeding and Genetics*, **2014**, 131, 367-78	2.9	10
79	The relationship between feed efficiency and the circadian profile of blood plasma analytes measured in beef heifers at different physiological stages. *Animal*, **2014**, 8, 1684-98	3	13
78	Accuracy of genomic predictions in Bos indicus (Nellore) cattle. *Genetics Selection Evolution*, **2014**, 46, 17	4.7	61
77	Water buffalo genome characterization by the Illumina BovineHD BeadChip. *Genetics and Molecular Research*, **2014**, 13, 4202-15	0.9	11

76	Bovine CLEC7A genetic variants and their association with seropositivity in Johne's disease ELISA. *Gene*, **2014**, 537, 302-7	3.7	14
75	Impact of reference population on accuracy of imputation from 6K to 50K single nucleotide polymorphism chips in purebred and crossbreed beef cattle. *Journal of Animal Science*, **2014**, 92, 1433-44	2.6	22
74	A new approach for efficient genotype imputation using information from relatives. *BMC Genomics*, **2014**, 15, 478	4.3	462
73	A genome-wide association study of immune response traits in Canadian Holstein cattle. *BMC Genomics*, **2014**, 15, 559	4.3	48
72	Multi-population genomic prediction using a multi-task Bayesian learning model. *BMC Genetics*, **2014**, 15, 53	2.5	15
71	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	3.8	25
70	Extent of linkage disequilibrium, consistency of gametic phase, and imputation accuracy within and across Canadian dairy breeds. *Journal of Dairy Science*, **2014**, 97, 3128-41	3.8	33
69	Breed predisposition and heritability of atrial fibrillation in the Standardbred horse: a retrospective case-control study. *Journal of Veterinary Cardiology*, **2014**, 16, 173-84	1.8	21
68	Review: Genetics of helminth resistance in sheep. *Canadian Journal of Animal Science*, **2014**, 94, 1-9	0.9	16
67	Linkage disequilibrium and haplotype block structure in a composite beef cattle breed. *BMC Genomics*, **2014**, 15 Suppl 7, S6	4.3	33
66	Impact of genotype imputation on the performance of GBLUP and Bayesian methods for genomic prediction. *PLoS ONE*, **2014**, 9, e101544	3.6	32
65	Accuracy of genotype imputation in Nelore cattle. *Genetics Selection Evolution*, **2014**, 46, 69	4.7	49
64	Accuracy of genome-wide imputation in Braford and Hereford beef cattle. *BMC Genetics*, **2014**, 15, 157	2.5	19
63	Genome-wide mapping of loci explaining variance in scrotal circumference in Nellore cattle. *PLoS ONE*, **2014**, 9, e88561	3.6	29
62	Genome-wide association for growth traits in Canchim beef cattle. *PLoS ONE*, **2014**, 9, e94802	3.6	37
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