

Flavio S Schenkel

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1772913/flavio-s-schenkel-publications-by-citations.pdf>

Version: 2022-11-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

237
papers

6,295
citations

40
h-index

72
g-index

247
ext. papers

7,693
ext. citations

2.8
avg, IF

6.49
L-index

#	Paper	IF	Citations
237	Invited review: reliability of genomic predictions for North American Holstein bulls. <i>Journal of Dairy Science</i> , 2009 , 92, 16-24	3.9	799
236	A new approach for efficient genotype imputation using information from relatives. <i>BMC Genomics</i> , 2014 , 15, 478	4.3	462
235	QMSim: a large-scale genome simulator for livestock. <i>Bioinformatics</i> , 2009 , 25, 680-1	6.9	217
234	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	35.3	135
233	Genetic parameters and breed differences for feed efficiency, growth, and body composition traits of young beef bulls. <i>Canadian Journal of Animal Science</i> , 2004 , 84, 177-185	0.9	133
232	Extent of linkage disequilibrium in Holstein cattle in North America. <i>Journal of Dairy Science</i> , 2008 , 91, 2106-17	3.9	132
231	Association of a single nucleotide polymorphism in the calpastatin gene with carcass and meat quality traits of beef cattle. <i>Journal of Animal Science</i> , 2006 , 84, 291-9	0.6	116
230	Selection of single-nucleotide polymorphisms and quality of genotypes used in genomic evaluation of dairy cattle in the United States and Canada. <i>Journal of Dairy Science</i> , 2009 , 92, 3431-6	3.9	110
229	Application of site and haplotype-frequency based approaches for detecting selection signatures in cattle. <i>BMC Genomics</i> , 2011 , 12, 318	4.3	109
228	A genome scan to detect quantitative trait loci for economically important traits in Holstein cattle using two methods and a dense single nucleotide polymorphism map. <i>Journal of Dairy Science</i> , 2008 , 91, 3225-36	3.9	97
227	Assessing feed efficiency in beef steers through feeding behavior, infrared thermography and glucocorticoids. <i>Animal</i> , 2010 , 4, 692-701	3	90
226	Association of single nucleotide polymorphisms in the leptin gene with carcass and meat quality traits of beef cattle. <i>Journal of Animal Science</i> , 2005 , 83, 2009-20	0.6	87
225	Application of infrared thermography as an indicator of heat and methane production and its use in the study of skin temperature in response to physiological events in dairy cattle (<i>Bos taurus</i>). <i>Journal of Thermal Biology</i> , 2008 , 33, 468-475	2.8	87
224	Genome-wide association study for birth weight in Nellore cattle points to previously described orthologous genes affecting human and bovine height. <i>BMC Genetics</i> , 2013 , 14, 52	2.5	83
223	Study of whole genome linkage disequilibrium in Nellore cattle. <i>BMC Genomics</i> , 2013 , 14, 305	4.3	79
222	Characteristics of linkage disequilibrium in North American Holsteins. <i>BMC Genomics</i> , 2010 , 11, 421	4.3	79
221	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	0.6	78

220	PSX-19 Factors affecting growth and carcass trait performance of Canadian heavy lambs. <i>Journal of Animal Science</i> , 2019 , 97, 457-457	0.6	78
219	179 Breeding for enhancing feed efficiency in dairy cattle. <i>Journal of Animal Science</i> , 2019 , 97, 183-184	0.6	78
218	166 Livestock Resiliency: Concepts and Approaches. <i>Journal of Animal Science</i> , 2021 , 99, 89-90	0.6	78
217	31 Gametic Incompatibility: Improving the Success of Mate Allocation in Dairy Cattle. <i>Journal of Animal Science</i> , 2021 , 99, 16-17	0.6	78
216	PSVIII-7 Genetic parameters for health traits in dairy calves. <i>Journal of Animal Science</i> , 2021 , 99, 240-240	0.6	78
215	37 Single-step Genomic BLUP Fitting Snps or Haplotypes in Genetically-diverse Populations: A Simulation Study. <i>Journal of Animal Science</i> , 2021 , 99, 21-22	0.6	78
214	PSXV-1 Genetic evaluation of longevity of cows culled due to fertility-related problems using random regression models and censored data. <i>Journal of Animal Science</i> , 2021 , 99, 261-261	0.6	78
213	43 Single and Multiple-breed Genomic Predictions for Conformation Traits of Canadian Dairy Goats. <i>Journal of Animal Science</i> , 2021 , 99, 27-28	0.6	78
212	PSVIII-4 Genetic evaluation of functional heifer longevity in north American angus cattle. <i>Journal of Animal Science</i> , 2021 , 99, 240-241	0.6	78
211	Genetic diversity and signatures of selection in various goat breeds revealed by genome-wide SNP markers. <i>BMC Genomics</i> , 2017 , 18, 229	4.3	67
210	Genome-wide association for milk production and female fertility traits in Canadian dairy Holstein cattle. <i>BMC Genetics</i> , 2016 , 17, 75	2.5	68
209	A principal component regression based genome wide analysis approach reveals the presence of a novel QTL on BTA7 for MAP resistance in holstein cattle. <i>Genomics</i> , 2010 , 95, 176-82	4.2	63
208	Accuracy of genomic predictions in Bos indicus (Nelore) cattle. <i>Genetics Selection Evolution</i> , 2014 , 46, 17	4.7	61
207	Health recording in Canadian Holsteins: data and genetic parameters. <i>Journal of Dairy Science</i> , 2012 , 95, 4099-108	3.9	57
206	Rates of inbreeding and genetic diversity in Canadian Holstein and Jersey cattle. <i>Journal of Dairy Science</i> , 2011 , 94, 5160-75	3.9	56
205	Association of toll-like receptor 4 polymorphisms with somatic cell score and lactation persistency in Holstein bulls. <i>Journal of Dairy Science</i> , 2006 , 89, 3626-35	3.9	57
204	A genome-wide association study of immune response traits in Canadian Holstein cattle. <i>BMC Genomics</i> , 2014 , 15, 559	4.3	48
203	Accuracy of genotype imputation in Nelore cattle. <i>Genetics Selection Evolution</i> , 2014 , 46, 69	4.7	49

202	Accuracy of genomic selection in simulated populations mimicking the extent of linkage disequilibrium in beef cattle. <i>BMC Genetics</i> , 2011 , 12, 80	2.5	46
201	Accuracy of predicting genomic breeding values for residual feed intake in Angus and Charolais beef cattle. <i>Journal of Animal Science</i> , 2013 , 91, 4669-78	0.6	46
200	Characterization of linkage disequilibrium, consistency of gametic phase and admixture in Australian and Canadian goats. <i>BMC Genetics</i> , 2015 , 16, 67	2.5	40
199	Alternative somatic cell count traits to improve mastitis resistance in Canadian Holsteins. <i>Journal of Dairy Science</i> , 2012 , 95, 432-9	3.9	42
198	Genetic analysis of milk ̢-hydroxybutyrate and its association with fat-to-protein ratio, body condition score, clinical ketosis, and displaced abomasum in early first lactation of Canadian Holsteins. <i>Journal of Dairy Science</i> , 2014 , 97, 7286-92	3.9	40
197	Genome-wide association for growth traits in Canchim beef cattle. <i>PLoS ONE</i> , 2014 , 9, e94802	3.6	37
196	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	5.8	36
195	Extent of linkage disequilibrium, consistency of gametic phase, and imputation accuracy within and across Canadian dairy breeds. <i>Journal of Dairy Science</i> , 2014 , 97, 3128-41	3.9	33
194	Linkage disequilibrium and haplotype block structure in a composite beef cattle breed. <i>BMC Genomics</i> , 2014 , 15 Suppl 7, S6	4.3	33
193	Impact of genotype imputation on the performance of GBLUP and Bayesian methods for genomic prediction. <i>PLoS ONE</i> , 2014 , 9, e101544	3.6	32
192	Identification of single nucleotide polymorphisms in bovine CARD15 and their associations with health and production traits in Canadian Holsteins. <i>BMC Genomics</i> , 2007 , 8, 421	4.3	32
191	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	4.7	31
190	Polymorphisms in the gene encoding bovine interleukin-10 receptor alpha are associated with Mycobacterium avium ssp. paratuberculosis infection status. <i>BMC Genetics</i> , 2010 , 11, 23	2.5	30
189	Genome-wide association study for lactation persistency, female fertility, longevity, and lifetime profit index traits in Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2017 , 100, 1246-1258	3.9	30
188	Identification of single nucleotide polymorphisms in the bovine CCL2, IL8, CCR2 and IL8RA genes and their association with health and production in Canadian Holsteins. <i>Animal Genetics</i> , 2007 , 38, 198-202	2.3	30
187	Genetic associations of ketosis and displaced abomasum with milk production traits in early first lactation of Canadian Holsteins. <i>Journal of Dairy Science</i> , 2013 , 96, 4688-96	3.9	29
186	Polymorphisms in the 5'upstream region of the CXCR1 chemokine receptor gene, and their association with somatic cell score in Holstein cattle in Canada. <i>Journal of Dairy Science</i> , 2008 , 91, 407-17	3.9	29
185	Genome-wide mapping of loci explaining variance in scrotal circumference in Nellore cattle. <i>PLoS ONE</i> , 2014 , 9, e88561	3.6	29

184	A large and diverse collection of bovine genome sequences from the Canadian Cattle Genome Project. <i>GigaScience</i> , 2015 , 4, 49	7.3	28
183	Prediction of genomic breeding values for growth, carcass and meat quality traits in a multi-breed sheep population using a HD SNP chip. <i>BMC Genetics</i> , 2017 , 18, 7	2.5	25
182	Genetic diversity, extent of linkage disequilibrium and persistence of gametic phase in Canadian pigs. <i>BMC Genetics</i> , 2017 , 18, 6	2.5	25
181	Genetic relationships of clinical mastitis, cystic ovaries, and lameness with milk yield and somatic cell score in first-lactation Canadian Holsteins. <i>Journal of Dairy Science</i> , 2014 , 97, 5806-13	3.9	25
180	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	3.9	24
179	Accuracy of genomic predictions for feed efficiency traits of beef cattle using 50K and imputed HD genotypes. <i>Journal of Animal Science</i> , 2016 , 94, 1342-53	0.6	24
178	Bovine PGLYRP1 polymorphisms and their association with resistance to Mycobacterium avium ssp. paratuberculosis. <i>Animal Genetics</i> , 2011 , 42, 354-60	2.3	24
177	Genetic analysis of superovulatory response of Holstein cows in Canada. <i>Journal of Dairy Science</i> , 2016 , 99, 3612-3623	3.9	23
176	Prediction of milk fatty acid content with mid-infrared spectroscopy in Canadian dairy cattle using differently distributed model development sets. <i>Journal of Dairy Science</i> , 2017 , 100, 5073-5081	3.9	23
175	Estimation of genetic effects in the presence of multicollinearity in multibreed beef cattle evaluation. <i>Journal of Animal Science</i> , 2005 , 83, 1788-800	0.6	23
174	Degree of connectedness among groups of centrally tested beef bulls. <i>Canadian Journal of Animal Science</i> , 2004 , 84, 37-47	0.9	23
173	Impact of reference population on accuracy of imputation from 6K to 50K single nucleotide polymorphism chips in purebred and crossbreed beef cattle. <i>Journal of Animal Science</i> , 2014 , 92, 1433-44	0.6	22
172	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	3.9	21
171	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	3.9	20
170	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	3.6	21
169	Genetic analysis of groups of mid-infrared predicted fatty acids in milk. <i>Journal of Dairy Science</i> , 2017 , 100, 4731-4744	3.9	21
168	Genetic parameters for various growth, carcass and meat quality traits in a New Zealand sheep population. <i>Small Ruminant Research</i> , 2017 , 154, 81-91	1.6	20
167	Breed predisposition and heritability of atrial fibrillation in the Standardbred horse: a retrospective case-control study. <i>Journal of Veterinary Cardiology</i> , 2014 , 16, 173-84	1.7	21

166	Genetic diversity of a New Zealand multi-breed sheep population and composite breeds history revealed by a high-density SNP chip. <i>BMC Genetics</i> , 2017 , 18, 25	2.5	19
165	Accuracy of genome-wide imputation in Braford and Hereford beef cattle. <i>BMC Genetics</i> , 2014 , 15, 157	2.5	19
164	Variation in fat globule size in bovine milk and its prediction using mid-infrared spectroscopy. <i>Journal of Dairy Science</i> , 2017 , 100, 1640-1649	3.9	19
163	Two-step and random regression analyses of weight gain of station-tested beef bulls. <i>Journal of Animal Science</i> , 2002 , 80, 1497-507	0.6	19
162	Comparison between estimation of breeding values and fixed effects using Bayesian and empirical BLUP estimation under selection on parents and missing pedigree information. <i>Genetics Selection Evolution</i> , 2002 , 34, 41-59	4.7	19
161	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	3.9	18
160	Invited review: Advances and applications of random regression models: From quantitative genetics to genomics. <i>Journal of Dairy Science</i> , 2019 , 102, 7664-7683	3.9	18
159	Association of TLR4 polymorphisms with Mycobacterium avium subspecies paratuberculosis infection status in Canadian Holsteins. <i>Animal Genetics</i> , 2015 , 46, 560-5	2.3	18
158	Associations of rumen parameters with feed efficiency and sampling routine in beef cattle. <i>Animal</i> , 2018 , 12, 1442-1450	3	18
157	Linear and Poisson models for genetic evaluation of tick resistance in cross-bred Hereford x Nellore cattle. <i>Journal of Animal Breeding and Genetics</i> , 2013 , 130, 417-24	2.9	18
156	Generalized genetic association study with samples of related individuals. <i>Annals of Applied Statistics</i> , 2011 , 5,	2.1	18
155	Data de desmame e desempenho reprodutivo de vacas de corte. <i>Revista Brasileira De Zootecnia</i> , 2002 , 31, 1223-1229	1.2	18
154	Genome wide association study identifies novel potential candidate genes for bovine milk cholesterol content. <i>Scientific Reports</i> , 2018 , 8, 13239	4.7	17
153	Analysis of Sus scrofa liver proteome and identification of proteins differentially expressed between genders, and conventional and genetically enhanced lines. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2008 , 3, 234-42	1.9	17
152	Genetic parameters for hoof health traits estimated with linear and threshold models using alternative cohorts. <i>Journal of Dairy Science</i> , 2017 , 100, 2828-2836	3.9	17
151	Efeito de duas cargas animais em campo nativo e de duas idades de desmama no desempenho de vacas de corte primíparas. <i>Revista Brasileira De Zootecnia</i> , 2003 , 32, 1722-1731	1.2	17
150	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	3.9	16
149	Genome-wide association analysis for γ -hydroxybutyrate concentration in Milk in Holstein dairy cattle. <i>BMC Genetics</i> , 2019 , 20, 58	2.5	16

148	Genetics and genomics of reproductive disorders in Canadian Holstein cattle. <i>Journal of Dairy Science</i> , 2019 , 102, 1341-1353	3.9	16
147	Review: Genetics of helminth resistance in sheep. <i>Canadian Journal of Animal Science</i> , 2014 , 94, 1-9	0.9	16
146	Analysis of genetic diversity in four Canadian swine breeds using pedigree data. <i>Canadian Journal of Animal Science</i> , 2010 , 90, 331-340	0.9	16
145	Additive, dominance, and epistatic loss effects on preweaning weight gain of crossbred beef cattle from different <i>Bos taurus</i> breeds. <i>Journal of Animal Science</i> , 2005 , 83, 1780-7	0.6	16
144	A comparison of different algorithms for phasing haplotypes using Holstein cattle genotypes and pedigree data. <i>Journal of Dairy Science</i> , 2017 , 100, 2837-2849	3.9	15
143	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	2.9	14
142	Bovine CLEC7A genetic variants and their association with seropositivity in Johne's disease ELISA. <i>Gene</i> , 2014 , 537, 302-7	3.7	14
141	Multi-population genomic prediction using a multi-task Bayesian learning model. <i>BMC Genetics</i> , 2014 , 15, 53	2.5	15
140	Effect of recent and ancient inbreeding on production and fertility traits in Canadian Holsteins. <i>BMC Genomics</i> , 2020 , 21, 605	4.3	14
139	SNPs in the bovine IL-10 receptor are associated with somatic cell score in Canadian dairy bulls. <i>Mammalian Genome</i> , 2009 , 20, 447-54	3.1	14
138	Efeitos de Ambiente e de Heterose sobre o Ganho de Peso do Nascimento ao Desmame e sobre os Escores Visuais ao Desmame de Bovinos de Corte. <i>Revista Brasileira De Zootecnia</i> , 2002 , 31, 1350-1361	1.2	14
137	Strategies for genotype imputation in composite beef cattle. <i>BMC Genetics</i> , 2015 , 16, 99	2.5	13
136	The relationship between feed efficiency and the circadian profile of blood plasma analytes measured in beef heifers at different physiological stages. <i>Animal</i> , 2014 , 8, 1684-98	3	13
135	Short communication: Genetic parameters for mastitis and its predictors in Canadian Holsteins. <i>Journal of Dairy Science</i> , 2012 , 95, 7363-6	3.9	13
134	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	3.9	12
133	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	3.9	12
132	Bovine IFNGR2, IL12RB1, IL12RB2, and IL23R polymorphisms and MAP infection status. <i>Mammalian Genome</i> , 2011 , 22, 583-8	3.1	12
131	Genetic correlations of mid-infrared-predicted milk fatty acid groups with milk production traits. <i>Journal of Dairy Science</i> , 2018 , 101, 4295-4306	3.9	11

130	Effect of IGF1, GH, and PIT1 markers on the genetic parameters of growth and reproduction traits in Canchim cattle. <i>Molecular Biology Reports</i> , 2015 , 42, 245-51	2.7	11
129	Estimation of direct and maternal genetic parameters for individual birth weight, weaning weight, and probe weight in Yorkshire and Landrace pigs. <i>Journal of Animal Science</i> , 2018 , 96, 2567-2578	0.6	11
128	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	3.9	11
127	Assessing haplotype-based models for genomic evaluation in Holstein cattle. <i>Canadian Journal of Animal Science</i> , 2018 , 98, 750-759	0.9	11
126	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	2.5	11
125	Genomic selection for meat quality traits in Nelore cattle. <i>Meat Science</i> , 2019 , 148, 32-37	6.2	11
124	Water buffalo genome characterization by the Illumina BovineHD BeadChip. <i>Genetics and Molecular Research</i> , 2014 , 13, 4202-15	1	11
123	Analyses of genetic diversity in five Canadian dairy breeds using pedigree data. <i>Journal of Animal Breeding and Genetics</i> , 2013 , 130, 476-86	2.9	11
122	Genomic predictions for economically important traits in Brazilian Braford and Hereford beef cattle using true and imputed genotypes. <i>BMC Genetics</i> , 2017 , 18, 2	2.5	11
121	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	0.9	10
120	Estimates of heritability of atrial fibrillation in the Standardbred racehorse. <i>Equine Veterinary Journal</i> , 2017 , 49, 718-722	2.3	11
119	Genetic mechanisms underlying spermatic and testicular traits within and among cattle breeds: systematic review and prioritization of GWAS results. <i>Journal of Animal Science</i> , 2018 , 96, 4978-4999	0.6	10
118	Persistency of accuracy of genomic breeding values for different simulated pig breeding programs in developing countries. <i>Journal of Animal Breeding and Genetics</i> , 2014 , 131, 367-78	2.9	10
117	Analysis of genetic diversity in Brown Swiss, Jersey and Holstein populations using genome-wide single nucleotide polymorphism markers. <i>BMC Research Notes</i> , 2012 , 5, 161	2.2	10
116	The dynamic behavior of feed efficiency in primiparous dairy cattle. <i>Journal of Dairy Science</i> , 2020 , 103, 1528-1540	3.9	10
115	Optimizing Selection of the Reference Population for Genotype Imputation From Array to Sequence Variants. <i>Frontiers in Genetics</i> , 2019 , 10, 510	4.4	9
114	Single-Step Methodology for Genomic Evaluation in Turkeys (). <i>Frontiers in Genetics</i> , 2019 , 10, 1248	4.4	9
113	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	3.9	9

112	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	8
111	Candidate gene association analyses for ketosis resistance in Holsteins. <i>Journal of Dairy Science</i> , 2018 , 101, 5240-5249	3.9	8
110	Genetic parameters of milk cholesterol content in Holstein cattle. <i>Canadian Journal of Animal Science</i> , 2018 , 98, 714-722	0.9	8
109	Genome-Wide Association Study for Milk Fatty Acids in Holstein Cattle Accounting for the Gene Effect. <i>Animals</i> , 2019 , 9,	3	8
108	Associations of acute stress and overnight heart rate with feed efficiency in beef heifers. <i>Animal</i> , 2017 , 11, 452-460	3	8
107	Short Communication: Genetic association of body condition score with disease resistance in first lactation Canadian Holsteins. <i>Canadian Journal of Animal Science</i> , 2012 , 92, 285-289	0.9	8
106	Comparison of genomic prediction methods for evaluation of adaptation and productive efficiency traits in Braford and Hereford cattle. <i>Livestock Science</i> , 2020 , 231, 103864	1.6	8
105	Genetic Diversity and Signatures of Selection for Thermal Stress in Cattle and Other Two Species Adapted to Divergent Climatic Conditions. <i>Frontiers in Genetics</i> , 2021 , 12, 604823	4.4	9
104	Study on the introgression of beef breeds in Canchim cattle using single nucleotide polymorphism markers. <i>PLoS ONE</i> , 2017 , 12, e0171660	3.6	7
103	Genetic relationship among reproductive traits in Nellore cattle. <i>Animal</i> , 2015 , 9, 760-5	3	7
102	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	3.9	7
101	Use of breed-specific single nucleotide polymorphisms to discriminate between Holstein and Jersey dairy cattle breeds. <i>Animal Biotechnology</i> , 2012 , 23, 1-10	1.3	7
100	Heritability of beef tenderness at different aging times and across breed comparisons. <i>Canadian Journal of Animal Science</i> , 2013 , 93, 307-312	0.9	7
99	In-depth pedigree analysis in a large Brazilian Nellore herd. <i>Genetics and Molecular Research</i> , 2013 , 12, 5758-65	1	7
98	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	2.9	7
97	Herd of origin effect on weight gain of station-tested beef bulls. <i>Livestock Science</i> , 2004 , 86, 93-103		7
96	Genetic parameters for methane emission traits in Australian dairy cows. <i>Journal of Dairy Science</i> , 2021 , 104, 539-549	3.9	6
95	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	3.9	5

94	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	3.9	7
93	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	3.9	6
92	The effect of host genetics on in vitro performance of bovine monocyte-derived macrophages. <i>Journal of Dairy Science</i> , 2019 , 102, 9107-9116	3.9	6
91	Genomic clustering helps to improve prediction in a multibreed population. <i>Journal of Animal Science</i> , 2016 , 94, 1844-56	0.6	6
90	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	3.9	6
89	A genome-wide association study to identify chromosomal regions influencing ovine cortisol response. <i>Livestock Science</i> , 2016 , 187, 40-47	1.6	5
88	Genetic and genomic analyses of testicular hypoplasia in Nellore cattle. <i>PLoS ONE</i> , 2019 , 14, e0211159	3.6	5
87	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	3.9	5
86	Genetic and phenotypic associations of milk ̢-hydroxybutyrate with ketosis in Canadian Holsteins. <i>Canadian Journal of Animal Science</i> , 2016 , 96, 302-305	0.9	5
85	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	3.9	5
84	Marginal ancestral contributions to atrial fibrillation in the Standardbred racehorse: Comparison of cases and controls. <i>PLoS ONE</i> , 2018 , 13, e0197137	3.6	6
83	Identification of SNPs in interferon gamma, interleukin-22, and their receptors and associations with health and production-related traits in Canadian Holstein bulls. <i>Animal Biotechnology</i> , 2011 , 22, 7-15	1.3	5
82	Comparison between haplotype-based and individual snp-based genomic predictions for beef fatty acid profile in Nelore cattle. <i>Journal of Animal Breeding and Genetics</i> , 2020 , 137, 468-476	2.9	6
81	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. <i>Journal of Dairy Science</i> , 2020 , 103, 5263-5269	3.9	5
80	Using Random Regression Models to Genetically Evaluate Functional Longevity Traits in North American Angus Cattle. <i>Animals</i> , 2020 , 10,	3	5
79	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	4.7	5
78	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	3.9	5
77	Targeted genotyping to identify potential functional variants associated with cholesterol content in bovine milk. <i>Animal Genetics</i> , 2020 , 51, 200-209	2.3	5

76	Identification of unique ROH regions with unfavorable effects on production and fertility traits in Canadian Holsteins. <i>Genetics Selection Evolution</i> , 2021 , 53, 68	4.7	5
75	Efeito da carga animal na produç� de leite de vacas de corte prim�paras e no desenvolvimento de seus bezerros. <i>Revista Brasileira De Zootecnia</i> , 2004 , 33, 412-419	1.2	5
74	Efeitos do manejo p�-parto de vacas prim�paras no desempenho de bezerros de corte at�um ano de idade. <i>Revista Brasileira De Zootecnia</i> , 2004 , 33, 426-433	1.2	5
73	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	4
72	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	3.8	4
71	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	3.6	4
70	A genetic evaluation of growth, ultrasound, and carcass traits at alternative slaughter endpoints in crossbred heavy lambs. <i>Journal of Animal Science</i> , 2019 , 97, 521-535	0.6	4
69	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	2.5	4
68	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	0.9	4
67	Symposium review: Multiple-trait single-step genomic evaluation for hoof health. <i>Journal of Dairy Science</i> , 2020 , 103, 5346-5353	3.9	4
66	Heritabilities of measured and mid-infrared predicted milk fat globule size, milk fat and protein percentages, and their genetic correlations. <i>Journal of Dairy Science</i> , 2017 , 100, 3735-3741	3.9	4
65	Identification of functional candidate variants and genes for feed efficiency in Holstein and Jersey cattle breeds using RNA-sequencing. <i>Journal of Dairy Science</i> , 2021 , 104, 1928-1950	3.9	4
64	Idade de desmame e suplementa� no desenvolvimento e em caracter�sticas de carca�s de novilhos de corte. <i>Revista Brasileira De Zootecnia</i> , 2003 , 32, 1713-1721	1.2	4
63	Random regression analyses of feed intake of individually tested beef steers. <i>Livestock Science</i> , 2004 , 88, 129-142		4
62	Identification of polymorphisms in bovine TLR2 and CARD15, associations between CARD15 polymorphisms and milk somatic cell score in Canadian Holsteins, and functional relevance of SNP c.3020A>T. <i>Developments in Biologicals</i> , 2008 , 132, 247-253		4
61	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	2.9	3
60	Genetic analysis for quality of frozen embryos produced by Holstein cattle donors in Canada. <i>Journal of Dairy Science</i> , 2017 , 100, 7320-7329	3.9	3
59	Opportunities for genome-wide selection for pig breeding in developing countries. <i>Journal of Animal Science</i> , 2013 , 91, 4617-27	0.6	3

58	Identification of single nucleotide polymorphisms in the bovine interleukin-12 and interleukin-23 receptor genes and their associations with health and production traits in Holstein cows. <i>Journal of Dairy Science</i> , 2010 , 93, 4860-71	3.9	3
57	Discovering lethal alleles across the turkey genome using a transmission ratio distortion approach. <i>Animal Genetics</i> , 2020 , 51, 876-889	2.3	3
56	Breeding for reduced methane emission and feed-efficient Holstein cows: An international response. <i>Journal of Dairy Science</i> , 2021 , 104, 8983-9001	3.9	3
55	Genome-wide association study for beef fatty acid profile using haplotypes in Nellore cattle. <i>Livestock Science</i> , 2021 , 245, 104396	1.6	3
54	Comprehensive RNA-Seq Profiling Reveals Temporal and Tissue-Specific Changes in Gene Expression in Sprague-Dawley Rats as Response to Heat Stress Challenges. <i>Frontiers in Genetics</i> , 2021 , 12, 651979	4.4	3
53	Comparison of statistical procedures for estimating polygenic effects using dense genome-wide marker data. <i>BMC Proceedings</i> , 2009 , 3 Suppl 1, S12	2.1	3
52	Single-step genomic evaluation of milk production traits in Canadian Alpine and Saanen dairy goats.. <i>Journal of Dairy Science</i> , 2022 ,	3.9	1
51	DSRIG: Incorporating graphical structure in the regularized modeling of SNP data. <i>Journal of Bioinformatics and Computational Biology</i> , 2019 , 17, 1950017	1	2
50	Assessing genetic diversity of various Canadian sheep breeds through pedigree analyses. <i>Canadian Journal of Animal Science</i> , 2018 , 98, 741-749	0.9	2
49	SNP selection for predicting a quantitative trait. <i>Journal of Applied Statistics</i> , 2013 , 40, 600-613	1	2
48	An alternative computing strategy for genomic prediction using a Bayesian mixture model. <i>Canadian Journal of Animal Science</i> , 2015 , 95, 1-11	0.9	2
47	Single nucleotide polymorphisms alter the promoter activity of bovine MIF. <i>Animal Biotechnology</i> , 2011 , 22, 143-50	1.3	2
46	Association of genetic polymorphisms related to Johne's disease with estimated breeding values of Holstein sires for milk ELISA test scores. <i>BMC Veterinary Research</i> , 2020 , 16, 165	2.6	2
45	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	2
44	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	2
43	Differential gene expression in dairy cows under negative energy balance and ketosis: A systematic review and meta-analysis. <i>Journal of Dairy Science</i> , 2021 , 104, 602-615	3.9	2
42	Estimated genetic parameters for all genetically evaluated traits in Canadian Holsteins. <i>Journal of Dairy Science</i> , 2021 , 104, 9002-9015	3.9	2
41	Genome-wide identification and functional prediction of long non-coding RNAs in Sprague-Dawley rats during heat stress. <i>BMC Genomics</i> , 2021 , 22, 122	4.3	2

40	Impact of Censored or Penalized Data in the Genetic Evaluation of Two Longevity Indicator Traits Using Random Regression Models in North American Angus Cattle. <i>Animals</i> , 2021 , 11,	3	2
39	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	3.9	2
38	Comparison of models and impact of missing records on genetic evaluation of calving ease in a simulated beef cattle population. <i>Canadian Journal of Animal Science</i> , 2005 , 85, 145-155	0.9	2
37	Estimation of genetic parameters for mid-infrared-predicted lactoferrin and milk fat globule size in Holstein cattle. <i>Journal of Dairy Science</i> , 2020 , 103, 2487-2497	3.9	2
36	Single- and multiple-breed genomic evaluations for conformation traits in Canadian Alpine and Saanen dairy goats.. <i>Journal of Dairy Science</i> , 2022 ,	3.9	1
35	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	0.9	1
34	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
33	Genomic data reveals large similarities among Canadian and French maternal pig lines. <i>Canadian Journal of Animal Science</i> , 2018 , 98, 809-817	0.9	1
32	Strategies for within-litter selection of piglets using ultra-low density SNP panels. <i>Livestock Science</i> , 2019 , 220, 173-179	1.6	1
31	Genetic and genomic analyses of embryo production in dairy cattle. <i>Reproduction, Fertility and Development</i> , 2019 , 32, 50-55	0.8	1
30	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	0.9	1
29	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	2.9	1
28	Genome-wide association study and pathway analysis for fat deposition traits in 'nellore' cattle raised in pasture-based systems. <i>Journal of Animal Breeding and Genetics</i> , 2021 , 138, 360-378	2.9	1
27	Genetic analysis of pathogen-specific intramammary infections in dairy cows. <i>Journal of Dairy Science</i> , 2021 , 104, 1982-1992	3.9	1
26	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	3.9	1
25	Associations between feed efficiency and aspects of lactation curves in primiparous Holstein dairy cattle. <i>Journal of Dairy Science</i> , 2021 , 104, 9304-9315	3.9	1
24	Johnes Disease in Dairy Cattle: An Immunogenetic Perspective. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 718987	2.9	1
23	Genome-wide association study and functional analyses for clinical and subclinical ketosis in Holstein cattle. <i>Journal of Dairy Science</i> , 2021 , 104, 10076-10089	3.9	1

22	Prospects for exploiting epigenetic effects in livestock production. <i>Animal Frontiers</i> , 2021 , 11, 3-4	5.3	1
21	A Comprehensive Comparison of Haplotype-Based Single-Step Genomic Predictions in Livestock Populations With Different Genetic Diversity Levels: A Simulation Study. <i>Frontiers in Genetics</i> , 2021 , 12, 729867	4.4	2
20	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	0
19	Genome-wide association study and pathway analysis for carcass fatness in Nellore cattle measured by ultrasound. <i>Animal Genetics</i> , 2021 , 52, 730-733	2.3	0
18	Different selection practices affect the environmental sensitivity of beef cattle. <i>PLoS ONE</i> , 2021 , 16, e0248186	3.6	0
17	Effect of synchronized breeding on genetic evaluations of fertility traits in dairy cattle. <i>Journal of Dairy Science</i> , 2021 , 104, 11820-11831	3.9	0
16	Identifying pleiotropic variants and candidate genes for fertility and reproduction traits in Holstein cattle via association studies based on imputed whole-genome sequence genotypes.. <i>BMC Genomics</i> , 2022 , 23, 331	4.3	0
15	DSLRIIG: Leveraging predictor structure in logistic regression. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2019 , 1-13	0.6	
14	Effects of frequency of supplementation of low-quality gestation diets on beef cow performance from mid-gestation through lactation and preweaning calf performance. <i>Applied Animal Science</i> , 2020 , 36, 237-248	1.2	
13	Estimation of genetic parameters and selection response for reproductive and growth traits in Rideau-Arcott sheep. <i>Canadian Journal of Animal Science</i> , 2021 , 101, 134-142	0.9	
12	29 Conditional GWAS using sequence-based genotypes for susceptibility to Mycobacterium avium subsp paratuberculosis infection in Canadian Holstein. <i>Journal of Animal Science</i> , 2020 , 98, 17-17	0.6	
11	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	0.6	
10	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	0.6	
9	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	0.6	
8	PSIII-9 Differences in Conception Rate across Breeding Protocols in Dairy Cattle. <i>Journal of Animal Science</i> , 2020 , 98, 234-234	0.6	
7	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	0.6	
6	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	0.6	
5	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	0.6	

4	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	0.6
3	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	0.3
2	PSXI-8 Heritability estimates of antibody- and cell-mediated immune response in north American angus beef cattle. <i>Journal of Animal Science</i> , 2021 , 99, 244-245	0.6
1	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	0.6