Daniela Loureno

List of Publications by Citations

106 papers	1,796 citations	23 h-index	38 g-index
123 ext. papers	2,794 ext. citations	2.3 avg, IF	5.45 L-index

#	Paper	IF	Citations
106	Genetic evaluation using single-step genomic best linear unbiased predictor in American Angus. *Journal of Animal Science*, **2015**, 93, 2653-62	0.7	94
105	Weighting Strategies for Single-Step Genomic BLUP: An Iterative Approach for Accurate Calculation of GEBV and GWAS. *Frontiers in Genetics*, **2016**, 7, 151	4.5	80
104	22 Accuracy of indirect predictions for large datasets based on prediction error covariance of SNP effects from single-step GBLUP. *Journal of Animal Science*, **2020**, 98, 6-7	0.7	78
103	PSXII-37 Validation of single-step GBLUP genomic predictions from threshold models using the linear regression method: an application in chicken mortality. *Journal of Animal Science*, **2020**, 98, 246-247	0.7	78
102	PSVIII-38 Genomic prediction for tick resistance in Angus cattle. *Journal of Animal Science*, **2019**, 97, 263-263	0.7	78
101	211 Changes in genetic parameters of fitness and growth traits under genomic selection in pigs. *Journal of Animal Science*, **2019**, 97, 41-41	0.7	78
100	209 Genomic selection for multiple maternal and growth traits in large white pigs using Single-Step GBLUP. *Journal of Animal Science*, **2019**, 97, 42-42	0.7	78
99	334 Investigating core-dependent changes in predictions using the algorithm for proven and young in ssGBLUP. *Journal of Animal Science*, **2019**, 97, 50-50	0.7	78
98	Accuracy of estimated breeding values with genomic information on males, females, or both: an example on broiler chicken. *Genetics Selection Evolution*, **2015**, 47, 56	4.9	52
97	Accurate genomic predictions for BCWD resistance in rainbow trout are achieved using low-density SNP panels: Evidence that long-range LD is a major contributing factor. *Journal of Animal Breeding and Genetics*, **2018**, 135, 263	2.9	47
96	Methods for genomic evaluation of a relatively small genotyped dairy population and effect of genotyped cow information in multiparity analyses. *Journal of Dairy Science*, **2014**, 97, 1742-52	4	44
95	Implementation of genomic recursions in single-step genomic best linear unbiased predictor for US Holsteins with a large number of genotyped animals. *Journal of Dairy Science*, **2016**, 99, 1968-1974	4	42
94	The Dimensionality of Genomic Information and Its Effect on Genomic Prediction. *Genetics*, **2016**, 203, 573-81	4	42
93	Hot topic: Use of genomic recursions in single-step genomic best linear unbiased predictor (BLUP) with a large number of genotypes. *Journal of Dairy Science*, **2015**, 98, 4090-4	4	39
92	Frequentist p-values for large-scale-single step genome-wide association, with an application to birth weight in American Angus cattle. *Genetics Selection Evolution*, **2019**, 51, 28	4.9	39
91	Incorporation of causative quantitative trait nucleotides in single-step GBLUP. *Genetics Selection Evolution*, **2017**, 49, 59	4.9	38
90	Are evaluations on young genotyped animals benefiting from the past generations?. *Journal of Dairy Science*, **2014**, 97, 3930-42	4	37

89	Development of genomic predictions for harvest and carcass weight in channel catfish. *Genetics Selection Evolution*, **2018**, 50, 66	4.9	35
88	Current status of genomic evaluation. *Journal of Animal Science*, **2020**, 98,	0.7	33
87	Single-Step Genomic Evaluations from Theory to Practice: Using SNP Chips and Sequence Data in BLUPF90. *Genes*, **2020**, 11,	4.2	33
86	Accuracies of genomic prediction of feed efficiency traits using different prediction and validation methods in an experimental Nelore cattle population. *Journal of Animal Science*, **2016**, 94, 3613-3623	0.7	31
85	Dimensionality of genomic information and performance of the Algorithm for Proven and Young for different livestock species. *Genetics Selection Evolution*, **2016**, 48, 82	4.9	29
84	Crossbreed evaluations in single-step genomic best linear unbiased predictor using adjusted realized relationship matrices. *Journal of Animal Science*, **2016**, 94, 909-19	0.7	27
83	Implications of SNP weighting on single-step genomic predictions for different reference population sizes. *Journal of Animal Breeding and Genetics*, **2017**, 134, 463-471	2.9	23
82	Controlling bias in genomic breeding values for young genotyped bulls. *Journal of Dairy Science*, **2019**, 102, 9956-9970	4	22
81	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	4	21
80	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	4	21
79	Genetic evaluations for growth heat tolerance in Angus cattle. *Journal of Animal Science*, **2016**, 94, 4143-4150	0.7	19
78	Genome-Wide Association Analysis With a 50K Transcribed Gene SNP-Chip Identifies QTL Affecting Muscle Yield in Rainbow Trout. *Frontiers in Genetics*, **2018**, 9, 387	4.5	19
77	Single-step genome-wide association for longitudinal traits of Canadian Ayrshire, Holstein, and Jersey dairy cattle. *Journal of Dairy Science*, **2019**, 102, 9995-10011	4	18
76	Invited review: Advances and applications of random regression models: From quantitative genetics to genomics. *Journal of Dairy Science*, **2019**, 102, 7664-7683	4	18
75	Alternative SNP weighting for single-step genomic best linear unbiased predictor evaluation of stature in US Holsteins in the presence of selected sequence variants. *Journal of Dairy Science*, **2019**, 102, 10012-10019	4	18
74	Genetics and genomics of reproductive disorders in Canadian Holstein cattle. *Journal of Dairy Science*, **2019**, 102, 1341-1353	4	18
73	Changes in genetic parameters for fitness and growth traits in pigs under genomic selection. *Journal of Animal Science*, **2020**, 98,	0.7	17
72	Whole-genome mapping of quantitative trait loci and accuracy of genomic predictions for resistance to columnaris disease in two rainbow trout breeding populations. *Genetics Selection Evolution*, **2019**, 51, 42	4.9	16

71	Sexual dimorphism in livestock species selected for economically important traits. *Journal of Animal Science*, **2016**, 94, 3684-3692	0.7	16
70	Comparison of genomic predictions for lowly heritable traits using multi-step and single-step genomic best linear unbiased predictor in Holstein cattle. *Journal of Dairy Science*, **2018**, 101, 8076-8086	4	16
69	Genome-wide identification of loci associated with growth in rainbow trout. *BMC Genomics*, **2020**, 21, 209	4.5	15
68	Accuracy of breeding values in small genotyped populations using different sources of external information-A simulation study. *Journal of Dairy Science*, **2017**, 100, 395-401	4	15
67	Using single-step genomic best linear unbiased predictor to enhance the mitigation of seasonal losses due to heat stress in pigs. *Journal of Animal Science*, **2016**, 94, 5004-5013	0.7	15
66	Crossbred evaluations using single-step genomic BLUP and algorithm for proven and young with different sources of data1. *Journal of Animal Science*, **2019**, 97, 1513-1522	0.7	12
65	Reaction norm for yearling weight in beef cattle using single-step genomic evaluation. *Journal of Animal Science*, **2018**, 96, 27-34	0.7	12
64	Prediction accuracy for a simulated maternally affected trait of beef cattle using different genomic evaluation models. *Journal of Animal Science*, **2013**, 91, 4090-8	0.7	12
63	Genomic prediction of lactation curves for milk, fat, protein, and somatic cell score in Holstein cattle. *Journal of Dairy Science*, **2019**, 102, 452-463	4	12
62	Bias in heritability estimates from genomic restricted maximum likelihood methods under different genotyping strategies. *Journal of Animal Breeding and Genetics*, **2019**, 136, 40-50	2.9	12
61	Selection of core animals in the Algorithm for Proven and Young using a simulation model. *Journal of Animal Breeding and Genetics*, **2017**, 134, 545-552	2.9	11
60	Genome-Wide Association Study Identifies Genomic Loci Affecting Filet Firmness and Protein Content in Rainbow Trout. *Frontiers in Genetics*, **2019**, 10, 386	4.5	10
59	Application of single step genomic BLUP under different uncertain paternity scenarios using simulated data. *PLoS ONE*, **2017**, 12, e0181752	3.7	10
58	Beef trait genetic parameters based on old and recent data and its implications for genomic predictions in Italian Simmental cattle. *Journal of Animal Science*, **2020**, 98,	0.7	10
57	Modeling response to heat stress in pigs from nucleus and commercial farms in different locations in the United States. *Journal of Animal Science*, **2016**, 94, 4789-4798	0.7	10
56	Genomic analysis of cow mortality and milk production using a threshold-linear model. *Journal of Dairy Science*, **2017**, 100, 7295-7305	4	9
55	Heritability and response to selection for carcass weight and growth in the Delta Select strain of channel catfish, Ictalurus punctatus. *Aquaculture*, **2020**, 515, 734507	4.4	9
54	Genomic predictions in purebreds with a multibreed genomic relationship matrix1. *Journal of Animal Science*, **2019**, 97, 4418-4427	0.7	8

53	Estimating the effect of the deleterious recessive haplotypes AH1 and AH2 on reproduction performance of Ayrshire cattle. *Journal of Dairy Science*, **2019**, 102, 5315-5322	4	8
52	Variance and covariance estimates for resistance to bacterial cold water disease and columnaris disease in two rainbow trout breeding populations1. *Journal of Animal Science*, **2019**, 97, 1124-1132	0.7	8
51	Validation of single-step GBLUP genomic predictions from threshold models using the linear regression method: An application in chicken mortality. *Journal of Animal Breeding and Genetics*, **2021**, 138, 4-13	2.9	8
50	Investigating conception rate for beef service sires bred to dairy cows and heifers. *Journal of Dairy Science*, **2020**, 103, 10374-10382	4	7
49	Accuracy of genomic BLUP when considering a genomic relationship matrix based on the number of the largest eigenvalues: a simulation study. *Genetics Selection Evolution*, **2019**, 51, 75	4.9	7
48	Genomic investigation of milk production in Italian buffalo. *Italian Journal of Animal Science*, **2021**, 20, 539-547	2.2	7
47	Variance components using genomic information for 2 functional traits in Italian Simmental cattle: Calving interval and lactation persistency. *Journal of Dairy Science*, **2020**, 103, 5227-5233	4	6
46	Modeling honey yield, defensive and swarming behaviors of Italian honey bees (Apis mellifera ligustica) using linear-threshold approaches. *BMC Genetics*, **2019**, 20, 78	2.6	6
45	Use of genomic recursions and algorithm for proven and young animals for single-step genomic BLUP analyses--a simulation study. *Journal of Animal Breeding and Genetics*, **2015**, 132, 340-5	2.9	6
44	Technical note: Avoiding the direct inversion of the numerator relationship matrix for genotyped animals in single-step genomic best linear unbiased prediction solved with the preconditioned conjugate gradient. *Journal of Animal Science*, **2017**, 95, 49-52	0.7	5
43	Use of a single-step approach for integrating foreign information into national genomic evaluation in Holstein cattle. *Journal of Dairy Science*, **2019**, 102, 8175-8183	4	5
42	Bias in genomic predictions by mating practices for linear type traits in a large-scale genomic evaluation. *Journal of Dairy Science*, **2021**, 104, 662-677	4	5
41	Genomic predictions for fillet yield and firmness in rainbow trout using reduced-density SNP panels. *BMC Genomics*, **2021**, 22, 92	4.5	5
40	Technical note: Impact of pedigree depth on convergence of single-step genomic BLUP in a purebred swine population. *Journal of Animal Science*, **2017**, 95, 3391-3395	0.7	4
39	DESEMPENHO PRODUTIVO DE VACAS GIROLANDO ESTIMADO PELO MODELO DE WOOD AJUSTADO POR METODOLOGIA BAYESIANA. *Archives of Veterinary Science*, **2016**, 21,	0.7	4
38	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
37	Indirect predictions with a large number of genotyped animals using the algorithm for proven and young. *Journal of Animal Science*, **2020**, 98,	0.7	3
36	Relationships among mortality, performance, and disorder traits in broiler chickens: a genetic and genomic approach. *Poultry Science*, **2018**, 97, 1511-1518	3.9	3

35	Applying the Metafounders Approach for Genomic Evaluation in a Multibreed Beef Cattle Population. *Frontiers in Genetics*, **2020**, 11, 556399	4.5	3
34	Genome-wide scan for common variants associated with intramuscular fat and moisture content in rainbow trout. *BMC Genomics*, **2020**, 21, 529	4.5	3
33	Accounting for Population Structure and Phenotypes From Relatives in Association Mapping for Farm Animals: A Simulation Study. *Frontiers in Genetics*, **2021**, 12, 642065	4.5	3
32	Regional and seasonal analyses of weights in growing Angus cattle. *Journal of Animal Science*, **2016**, 94, 4369-4375	0.7	3
31	Detecting effective starting point of genomic selection by divergent trends from best linear unbiased prediction and single-step genomic best linear unbiased prediction in pigs, beef cattle, and broilers. *Journal of Animal Science*, **2021**, 99,	0.7	3
30	Genomic Predictions for Muscle Yield and Fillet Firmness in Rainbow Trout using Reduced-Density SNP Panels		2
29	Exact p-values for large-scale single step genome-wide association, with an application for birth weight in American Angus		2
28	Core-dependent changes in genomic predictions using the Algorithm for Proven and Young in single-step genomic best linear unbiased prediction. *Journal of Animal Science*, **2020**, 98,	0.7	2
27	Performances of Adaptive MultiBLUP, Bayesian regressions, and weighted-GBLUP approaches for genomic predictions in Belgian Blue beef cattle. *BMC Genomics*, **2020**, 21, 545	4.5	2
26	Emerging issues in genomic selection. *Journal of Animal Science*, **2021**, 99,	0.7	2
25	Determining the stability of accuracy of genomic estimated breeding values in future generations in commercial pig populations. *Journal of Animal Science*, **2021**, 99,	0.7	2
24	Investigation of Ehydroxybutyrate in early lactation of Simmental cows: Genetic parameters and genomic predictions. *Journal of Animal Breeding and Genetics*, **2021**, 138, 708-718	2.9	2
23	Changes in genomic predictions when new information is added. *Journal of Animal Science*, **2021**, 99,	0.7	2
22	Improving accuracy of direct and maternal genetic effects in genomic evaluations using pooled boar semen: a simulation study1. *Journal of Animal Science*, **2019**, 97, 3237-3245	0.7	1
21	25 Determining stability of genomic predictivity in future generations in commercial pig populations. *Journal of Animal Science*, **2020**, 98, 21-21	0.7	1
20	0303 Issues in commercial application of single-step genomic BLUP for genetic evaluation in American Angus. *Journal of Animal Science*, **2016**, 94, 144-145	0.7	1
19	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	4.5	1
18	Genome-wide association analysis with a 50K transcribed gene SNP-chip identifies QTL affecting muscle yield in rainbow trout		1

17	335 Genomic predictions with a multi-breed genomic relationship matrix. *Journal of Animal Science*, **2019**, 97, 49-50	0.7	1
16	Estimating dominance genetic variances for growth traits in American Angus males using genomic models. *Journal of Animal Science*, **2020**, 98,	0.7	1
15	332 Indirect predictions based on SNP effects from GBLUP with increasing number of genotyped animals. *Journal of Animal Science*, **2019**, 97, 49-49	0.7	1
14	Impact of embryo transfer phenotypic records on large-scale beef cattle genetic evaluations. *Revista Brasileira De Zootecnia*, **2018**, 47,	1.2	1
13	Effect of pond- or strip-spawning on growth and carcass yield of channel catfish progeny, Ictalurus punctatus. *Journal of the World Aquaculture Society*, **2020**, 51, 407-417	2.5	0
12	Indirect genomic predictions for milk yield in crossbred Holstein-Jersey dairy cattle. *Journal of Dairy Science*, **2021**, 104, 5728-5737	4	0
11	International bull evaluations by genomic BLUP with a prediction population. *Journal of Dairy Science*, **2019**, 102, 2330-2335	4	0
10	Accuracy of genomic breeding values and predictive ability for postweaning liveweight and age at first calving in a Nellore cattle population with missing sire information. *Tropical Animal Health and Production*, **2021**, 53, 432	1.7	0
9	Validation of single-step genomic predictions using the linear regression method for milk yield and heat tolerance in a Thai-Holstein population.. *Veterinary World*, **2021**, 14, 3119-3125	1.7	0
8	Past, present, and future developments in single-step genomic models. *Italian Journal of Animal Science*, **2022**, 21, 673-685	2.2	0
7	184 Impact of SNP selection on genomic prediction for different reference population sizes. *Journal of Animal Science*, **2017**, 95, 91-91	0.7	
6	209 Prospecting genomic regions associated with columnaris disease in two rainbow trout breeding populations. *Journal of Animal Science*, **2017**, 95, 103-104	0.7	
5	294 Increased fluctuations of genetic evaluations with genomic information. *Journal of Animal Science*, **2020**, 98, 32-33	0.7	
4	384 Genetic and Genomic Analysis in Livestock with Increasing Datasets. *Journal of Animal Science*, **2020**, 98, 137-138	0.7	
3	28 Genomic prediction for marbling score in Hanwoo cattle using sequence data. *Journal of Animal Science*, **2020**, 98, 11-12	0.7	
2	31 Changes in genomic predictions when new data is included. *Journal of Animal Science*, **2020**, 98, 7-8	0.7	
1	Introduction: ADSA and Interbull Joint Breeding and Genetics Symposia. *Journal of Dairy Science*, **2020**, 103, 5275-5277	4	