

Fabyano Silva

List of Publications by Year in descending order

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Version: 2024-02-01

331
papers

4,759
citations

159358

30
h-index

205818

48
g-index

338
all docs

338
docs citations

338
times ranked

4976
citing authors

#	ARTICLE	IF	CITATIONS
1	NIK1-mediated translation suppression functions as a plant antiviral immunity mechanism. <i>Nature</i> , 2015, 520, 679-682.	13.7	195
2	BIG DATA ANALYTICS AND PRECISION ANIMAL AGRICULTURE SYMPOSIUM: Machine learning and data mining advance predictive big data analysis in precision animal agriculture1. <i>Journal of Animal Science</i> , 2018, 96, 1540-1550.	0.2	136
3	Effects of equine chorionic gonadotropin and type of ovulatory stimulus in a timed-AI protocol on reproductive responses in dairy cows. <i>Theriogenology</i> , 2009, 72, 10-21.	0.9	119
4	The tomato RLK superfamily: phylogeny and functional predictions about the role of the LRRIL-RLK subfamily in antiviral defense. <i>BMC Plant Biology</i> , 2012, 12, 229.	1.6	119
5	Enviromics in breeding: applications and perspectives on envirotypic-assisted selection. <i>Theoretical and Applied Genetics</i> , 2021, 134, 95-112.	1.8	103
6	Regional heritability mapping and genome-wide association identify loci for complex growth, wood and disease resistance traits in <i>Eucalyptus</i> . <i>New Phytologist</i> , 2017, 213, 1287-1300.	3.5	95
7	The diversification of begomovirus populations is predominantly driven by mutational dynamics. <i>Virus Evolution</i> , 2017, 3, vex005.	2.2	92
8	Assessing the expected response to genomic selection of individuals and families in <i>Eucalyptus</i> breeding with an additive-dominant model. <i>Heredity</i> , 2017, 119, 245-255.	1.2	76
9	The contribution of dominance to phenotype prediction in a pine breeding and simulated population. <i>Heredity</i> , 2016, 117, 33-41.	1.2	72
10	Revealing new candidate genes for reproductive traits in pigs: combining Bayesian GWAS and functional pathways. <i>Genetics Selection Evolution</i> , 2016, 48, 9.	1.2	68
11	Multi-Trait GWAS and New Candidate Genes Annotation for Growth Curve Parameters in Brahman Cattle. <i>PLoS ONE</i> , 2015, 10, e0139906.	1.1	66
12	Machine learning approaches and their current application in plant molecular biology: A systematic review. <i>Plant Science</i> , 2019, 284, 37-47.	1.7	66
13	Performance of constructed wetlands in the treatment of aerated coffee processing wastewater: Removal of nutrients and phenolic compounds. <i>Ecological Engineering</i> , 2012, 49, 264-269.	1.6	58
14	Linkage disequilibrium and haplotype block structure in six commercial pig lines. <i>Journal of Animal Science</i> , 2013, 91, 3493-3501.	0.2	56
15	Ridge, Lasso and Bayesian additive-dominance genomic models. <i>BMC Genetics</i> , 2015, 16, 105.	2.7	53
16	Molecular Factors Underlying the Deposition of Intramuscular Fat and Collagen in Skeletal Muscle of Nellore and Angus Cattle. <i>PLoS ONE</i> , 2015, 10, e0139943.	1.1	52
17	Weighted single-step GWAS and gene network analysis reveal new candidate genes for semen traits in pigs. <i>Genetics Selection Evolution</i> , 2018, 50, 40.	1.2	49
18	Sire evaluation for total number born in pigs using a genomic reaction norms approach1. <i>Journal of Animal Science</i> , 2014, 92, 3825-3834.	0.2	46

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19	Invited review: Advances and applications of random regression models: From quantitative genetics to genomics. <i>Journal of Dairy Science</i> , 2019, 102, 7664-7683.	1.4	46
20	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.	1.4	45
21	Environmental uniformity, site quality and tree competition interact to determine stand productivity of clonal Eucalyptus. <i>Forest Ecology and Management</i> , 2018, 410, 76-83.	1.4	44
22	Sustained NIK-mediated antiviral signalling confers broad-spectrum tolerance to begomoviruses in cultivated plants. <i>Plant Biotechnology Journal</i> , 2015, 13, 1300-1311.	4.1	43
23	Effect of influent aeration on removal of organic matter from coffee processing wastewater in constructed wetlands. <i>Journal of Environmental Management</i> , 2013, 128, 912-919.	3.8	42
24	Genome-wide association study and annotating candidate gene networks affecting age at first calving in Nellore cattle. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 484-492.	0.8	42
25	Genetic parameters for semen quality and quantity traits in five pig lines ¹ . <i>Journal of Animal Science</i> , 2017, 95, 4251-4259.	0.2	42
26	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.	1.4	42
27	Genome-Wide Association and Regional Heritability Mapping of Plant Architecture, Lodging and Productivity in <i>Phaseolus vulgaris</i> . <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 2841-2854.	0.8	41
28	Independent Component Analysis (ICA) based-clustering of temporal RNA-seq data. <i>PLoS ONE</i> , 2017, 12, e0181195.	1.1	39
29	Bayesian GWAS and network analysis revealed new candidate genes for number of teats in pigs. <i>Journal of Applied Genetics</i> , 2015, 56, 123-132.	1.0	35
30	Multi-trait multi-environment Bayesian model reveals G x E interaction for nitrogen use efficiency components in tropical maize. <i>PLoS ONE</i> , 2018, 13, e0199492.	1.1	35
31	Improved estimation of inbreeding and kinship in pigs using optimized SNP panels. <i>BMC Genetics</i> , 2013, 14, 92.	2.7	34
32	Linkage disequilibrium patterns and persistence of phase in purebred and crossbred pig (<i>Sus scrofa</i>) populations. <i>BMC Genetics</i> , 2014, 15, 126.	2.7	33
33	Novel lactic acid bacteria strains as inoculants on alfalfa silage fermentation. <i>Scientific Reports</i> , 2019, 9, 8007.	1.6	31
34	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.	0.7	31
35	Genome-wide association studies pathway-based meta-analysis for residual feed intake in beef cattle. <i>Animal Genetics</i> , 2019, 50, 150-153.	0.6	30
36	Genetic parameters of body weight and egg traits in meat-type quail. <i>Livestock Science</i> , 2013, 153, 27-32.	0.6	29

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37	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.	1.4	29
38	A genome-wide association study reveals a novel candidate gene for sperm motility in pigs. <i>Animal Reproduction Science</i> , 2014, 151, 201-207.	0.5	28
39	Efficacy of population structure analysis with breeding populations and inbred lines. <i>Genetica</i> , 2013, 141, 389-399.	0.5	27
40	Genomic selection for boar taint compounds and carcass traits in a commercial pig population. <i>Livestock Science</i> , 2015, 174, 10-17.	0.6	27
41	Effect of maternal nutrition and days of gestation on pituitary gland and gonadal gene expression in cattle. <i>Journal of Dairy Science</i> , 2016, 99, 3056-3071.	1.4	27
42	Análise de medidas repetidas na avaliação de clones de café 'Conilon'. <i>Pesquisa Agropecuária Brasileira</i> , 2008, 43, 1171-1176.	0.9	26
43	Geminivirus data warehouse: a database enriched with machine learning approaches. <i>BMC Bioinformatics</i> , 2017, 18, 240.	1.2	26
44	Genetic correlations between feed efficiency traits, and growth performance and carcass traits in purebred and crossbred pigs. <i>Journal of Animal Science</i> , 2018, 96, 817-829.	0.2	26
45	Bayesian inference of mixed models in quantitative genetics of crop species. <i>Theoretical and Applied Genetics</i> , 2013, 126, 1749-1761.	1.8	25
46	Análise da curva de crescimento de machos Hereford. <i>Ciencia E Agrotecnologia</i> , 2003, 27, 1105-1112.	1.5	24
47	Curva de crescimento de novilhos Hereford: heterocedasticidade e resíduos autorregressivos. <i>Ciencia Rural</i> , 2005, 35, 422-427.	0.3	24
48	Genomic Prediction of Additive and Non-additive Effects Using Genetic Markers and Pedigrees. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 2739-2748.	0.8	24
49	Identidade de modelos não lineares para comparar curvas de crescimento de bovinos da raça Tabapuã. <i>Pesquisa Agropecuária Brasileira</i> , 2014, 49, 57-62.	0.9	24
50	Avaliação de curvas de crescimento morfométrico de linhagens de tilápia do nilo (<i>Oreochromis</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.5	23
51	Short communication: Molecular characterization and antimicrobial resistance of pathogenic <i>Escherichia coli</i> isolated from raw milk and Minas Frescal cheeses in Brazil. <i>Journal of Dairy Science</i> , 2019, 102, 10850-10854.	1.4	23
52	Genomic Predictions Using Low-Density SNP Markers, Pedigree and GWAS Information: A Case Study with the Non-Model Species <i>Eucalyptus cladocalyx</i> . <i>Plants</i> , 2020, 9, 99.	1.6	23
53	Análise de agrupamento na seleção de modelos de regressão não-lineares para curvas de crescimento de ovinos cruzados. <i>Ciencia Rural</i> , 2011, 41, 692-698.	0.3	23
54	A raça Indubrasil no Nordeste brasileiro: melhoramento e estrutura populacional. <i>Revista Brasileira De Zootecnia</i> , 2009, 38, 2327-2334.	0.3	22

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55	Linear and Póisson models for genetic evaluation of tick resistance in crossbred Hereford x Nelore cattle. <i>Journal of Animal Breeding and Genetics</i> , 2013, 130, 417-424.	0.8	22
56	Meta-analysis of genetic-parameter estimates for reproduction, growth and carcass traits in Nelore cattle by using a random-effects model. <i>Animal Production Science</i> , 2018, 58, 1575.	0.6	22
57	Differentially expressed mRNAs, proteins and miRNAs associated to energy metabolism in skeletal muscle of beef cattle identified for low and high residual feed intake. <i>BMC Genomics</i> , 2019, 20, 501.	1.2	22
58	Quantile regression for genome-wide association study of flowering time-related traits in common bean. <i>PLoS ONE</i> , 2018, 13, e0190303.	1.1	22
59	Modelo logístico difásico no estudo do crescimento de fêmeas da raça Hereford. <i>Ciencia Rural</i> , 2008, 38, 1984-1990.	0.3	21
60	A time series analysis of brown eye spot progress in conventional and organic coffee production systems. <i>Plant Pathology</i> , 2015, 64, 157-166.	1.2	21
61	Nitrous oxide, methane, and ammonia emissions from cattle excreta on <i>Brachiaria decumbens</i> growing in monoculture or silvopasture with <i>Acacia mangium</i> and <i>Eucalyptus grandis</i> . <i>Agriculture, Ecosystems and Environment</i> , 2020, 295, 106896.	2.5	21
62	Genomic prediction of leaf rust resistance to Arabica coffee using machine learning algorithms. <i>Scientia Agricola</i> , 2021, 78, .	0.6	21
63	Quantitative genetics theory for genomic selection and efficiency of breeding value prediction in open-pollinated populations. <i>Scientia Agricola</i> , 2016, 73, 243-251.	0.6	20
64	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.	1.4	20
65	Curvas de crescimento e influência de fatores não-genéticos sobre as taxas de crescimento de bovinos da raça Nelore. <i>Ciencia E Agrotecnologia</i> , 2004, 28, 647-654.	1.5	20
66	Genome-enabled prediction for tick resistance in Hereford and Braford beef cattle via reaction norm models. <i>Journal of Animal Science</i> , 2016, 94, 1834-1843.	0.2	19
67	Effects of increasing palm kernel cake inclusion in supplements fed to grazing lambs on growth performance, carcass characteristics, and fatty acid profile. <i>Animal Feed Science and Technology</i> , 2017, 226, 71-80.	1.1	19
68	Use of molecular markers to improve relationship information in the genetic evaluation of beef cattle tick resistance under pedigree-based models. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 14-26.	0.8	19
69	Best Linear Unbiased Prediction and Family Selection in Crop Species. <i>Crop Science</i> , 2011, 51, 2371-2381.	0.8	18
70	Genotype by environment interaction for tick resistance of Hereford and Braford beef cattle using reaction norm models. <i>Genetics Selection Evolution</i> , 2016, 48, 3.	1.2	18
71	Combining different functions to describe milk, fat, and protein yield in goats using Bayesian multiple-trait random regression models. <i>Journal of Animal Science</i> , 2016, 94, 1865-1874.	0.2	18
72	Comparing Alternative Single-Step GBLUP Approaches and Training Population Designs for Genomic Evaluation of Crossbred Animals. <i>Frontiers in Genetics</i> , 2020, 11, 263.	1.1	18

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73	Prediction of aboveground biomass and dry-matter content in <i>Brachiaria</i> pastures by combining meteorological data and satellite imagery. <i>Grass and Forage Science</i> , 2021, 76, 340-352.	1.2	18
74	Método de comparação de modelos de regressão não-lineares em bananeiras. <i>Ciencia Rural</i> , 2009, 39, 1380-1386.	0.3	18
75	Traditional and alternative nonlinear models for estimating the growth of Morada Nova sheep. <i>Revista Brasileira De Zootecnia</i> , 2013, 42, 651-655.	0.3	17
76	Effects of nutrient intake level on mammary parenchyma growth and gene expression in crossbred (Holstein × Gyr) prepubertal heifers. <i>Journal of Dairy Science</i> , 2016, 99, 9962-9973.	1.4	17
77	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.	0.8	17
78	Efficiency of genomic prediction of non-assessed single crosses. <i>Heredity</i> , 2018, 120, 283-295.	1.2	17
79	Genetic analysis of morphological and functional traits in Campolina horses using Bayesian multi-trait model. <i>Livestock Science</i> , 2018, 216, 119-129.	0.6	17
80	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.	1.4	17
81	Abordagem Bayesiana das curvas de crescimento de duas cultivares de feijoeiro. <i>Ciencia Rural</i> , 2008, 38, 1516-1521.	0.3	16
82	Métodos de agrupamento em estudo de divergência genética de pimentas. <i>Horticultura Brasileira</i> , 2012, 30, 428-432.	0.1	16
83	Analyses of reaction norms reveal new chromosome regions associated with tick resistance in cattle. <i>Animal</i> , 2018, 12, 205-214.	1.3	16
84	Abordagem bayesiana para avaliação da adaptabilidade e estabilidade de genótipos de alfafa. <i>Pesquisa Agropecuaria Brasileira</i> , 2011, 46, 26-32.	0.9	16
85	Estudo das curvas de crescimento de cordeiros das raças santa inês e bergamácia considerando heterogeneidade de variâncias. <i>Ciencia E Agrotecnologia</i> , 2004, 28, 381-388.	1.5	16
86	Desempenho produtivo, características de carcaça e avaliação econômica de bovinos cruzados, castrados e não-castrados, terminados em pastagens de <i>Brachiaria decumbens</i> . <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2008, 60, 1157-1165.	0.1	15
87	Selection of models of lactation curves to use in milk production simulation systems. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 891-902.	0.3	15
88	Fracionamento de carboidratos e proteínas de gramíneas tropicais cortadas em três idades. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2010, 62, 667-676.	0.1	15
89	Three-step Bayesian factor analysis applied to QTL detection in crosses between outbred pig populations. <i>Livestock Science</i> , 2011, 142, 210-215.	0.6	15
90	Efficiency of low heritability QTL mapping under high SNP density. <i>Euphytica</i> , 2017, 213, 1.	0.6	15

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91	Genotype by feed interaction for feed efficiency and growth performance traits in pigs1. <i>Journal of Animal Science</i> , 2018, 96, 4125-4135.	0.2	15
92	Linkage disequilibrium and haplotype block patterns in popcorn populations. <i>PLoS ONE</i> , 2019, 14, e0219417.	1.1	15
93	Genetic parameters for fertility traits in Nellore bulls. <i>Reproduction in Domestic Animals</i> , 2020, 55, 38-43.	0.6	15
94	Optimization of Eucalyptus breeding through random regression models allowing for reaction norms in response to environmental gradients. <i>Tree Genetics and Genomes</i> , 2020, 16, 1.	0.6	15
95	Genetic characterization of papaya plants (<i>Carica papaya</i> L.) derived from the first backcross generation. <i>Genetics and Molecular Research</i> , 2011, 10, 393-403.	0.3	14
96	Epidemiology, clinical signs, histopathology and molecular characterization of canine leproid granuloma: a retrospective study of cases from Brazil. <i>Veterinary Dermatology</i> , 2011, 22, 249-256.	0.4	14
97	Supervised independent component analysis as an alternative method for genomic selection in pigs. <i>Journal of Animal Breeding and Genetics</i> , 2014, 131, 452-461.	0.8	14
98	Eberhart and Russel's Bayesian Method in the Selection of Popcorn Cultivars. <i>Crop Science</i> , 2015, 55, 571-577.	0.8	14
99	Relevance of genetic relationship in GWAS and genomic prediction. <i>Journal of Applied Genetics</i> , 2018, 59, 1-8.	1.0	14
100	Genotypic variation and relationships among traits for root morphology in a panel of tropical maize inbred lines under contrasting nitrogen levels. <i>Euphytica</i> , 2019, 215, 1.	0.6	14
101	Multiple-trait model through Bayesian inference applied to <i>Jatropha curcas</i> breeding for bioenergy. <i>PLoS ONE</i> , 2021, 16, e0247775.	1.1	14
102	Genotype-environment interaction in common bean cultivars with carioca grain, recommended for cultivation in Brazil in the last 40 years. <i>Crop Breeding and Applied Biotechnology</i> , 2015, 15, 244-250.	0.1	14
103	Divergência genética entre genótipos de pimenta com base em caracteres morfo-agrônomicos. <i>Horticultura Brasileira</i> , 2011, 29, 354-358.	0.1	14
104	Genomic growth curves of an outbred pig population. <i>Genetics and Molecular Biology</i> , 2013, 36, 520-527.	0.6	13
105	Comparing multi-trait Poisson and Gaussian Bayesian models for genetic evaluation of litter traits in pigs. <i>Livestock Science</i> , 2015, 176, 47-53.	0.6	13
106	Bayesian Models combining Legendre and B-spline polynomials for genetic analysis of multiple lactations in Gyr cattle. <i>Livestock Science</i> , 2017, 201, 78-84.	0.6	13
107	Artificial neural network for prediction of the area under the disease progress curve of tomato late blight. <i>Scientia Agricola</i> , 2017, 74, 51-59.	0.6	13
108	Bayesian segmented regression model for adaptability and stability evaluation of cotton genotypes. <i>Euphytica</i> , 2020, 216, 1.	0.6	13

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109	Investigating pig survival in different production phases using genomic models. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	13
110	Abordagem Bayesiana da curva de lactação de cabras Saanen de primeira e segunda ordem de parto. <i>Pesquisa Agropecuaria Brasileira</i> , 2005, 40, 27-33.	0.9	13
111	Modelos de regressão não linear aplicados a grupos de acessos de alho. <i>Horticultura Brasileira</i> , 2014, 32, 178-183.	0.1	13
112	Consumo, desempenho e parâmetros econômicos de novilhos Nelore e F1 Brangus x Nelore terminados em pastagens, suplementados com mistura mineral e sal nitrogenado com uréia ou amirã. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2008, 60, 419-427.	0.1	12
113	BLUP for genetic evaluation of plants in non-inbred families of annual crops. <i>Euphytica</i> , 2010, 174, 31-39.	0.6	12
114	Seleção e classificação multivariada de modelos de crescimento não lineares para bovinos Nelore. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2011, 63, 364-371.	0.1	12
115	Regressão via componentes independentes aplicada à seleção genética para características de carcaça em suínos. <i>Pesquisa Agropecuaria Brasileira</i> , 2013, 48, 619-626.	0.9	12
116	Wind dispersal of <i>Puccinia psidii</i> urediniospores and progress of eucalypt rust. <i>Forest Pathology</i> , 2015, 45, 102-110.	0.5	12
117	Assessing marker effects and heritability estimates from genome prediction by Bayesian regularized neural networks. <i>Livestock Science</i> , 2016, 191, 91-96.	0.6	12
118	Genome-wide association studies, meta-analyses and derived gene network for meat quality and carcass traits in pigs. <i>Animal Production Science</i> , 2018, 58, 1100.	0.6	12
119	Genome wide association study reveals new candidate genes for resistance to nematodes in Creole goat. <i>Small Ruminant Research</i> , 2018, 166, 109-114.	0.6	12
120	Evaluation of a long-established silvopastoral <i>Brachiaria decumbens</i> system: plant characteristics and feeding value for cattle. <i>Crop and Pasture Science</i> , 2019, 70, 814.	0.7	12
121	GWAS and gene networks for milk-related traits from test-day multiple lactations in Portuguese Holstein cattle. <i>Journal of Applied Genetics</i> , 2020, 61, 465-476.	1.0	12
122	Intramuscular collagen characteristics and expression of related genes in skeletal muscle of cull cows receiving a high-energy diet. <i>Meat Science</i> , 2021, 177, 108495.	2.7	12
123	Obtenção de corante natural azul extraído de frutos de jenipapo. <i>Pesquisa Agropecuaria Brasileira</i> , 2009, 44, 649-652.	0.9	12
124	Novel Vasopressin Type 2 (AVPR2) Gene Mutations in Brazilian Nephrogenic Diabetes Insipidus Patients. <i>Genetic Testing and Molecular Biomarkers</i> , 2006, 10, 157-162.	1.7	11
125	Agrupamento de curvas de progresso de requeima, em tomateiro originado de cruzamento interespecífico. <i>Pesquisa Agropecuaria Brasileira</i> , 2010, 45, 1095-1101.	0.9	11
126	Bayesian analysis of autoregressive panel data model: application in genetic evaluation of beef cattle. <i>Scientia Agricola</i> , 2011, 68, 237-245.	0.6	11

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127	Selection of sugar cane families by using BLUP and multi-diverse analyses for planting in the Brazilian savannah. <i>Genetics and Molecular Research</i> , 2014, 13, 1619-1626.	0.3	11
128	Caracteriza�o de colgenos tipos I e III no estroma do carcinoma de clulas escamosas cutneo em ces. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2016, 68, 147-154.	0.1	11
129	After genome-wide association studies: Gene networks elucidating candidate genes divergences for number of teats across two pig populations1. <i>Journal of Animal Science</i> , 2016, 94, 1446-1458.	0.2	11
130	Genomic selection for productive traits in biparental cassava breeding populations. <i>PLoS ONE</i> , 2019, 14, e0220245.	1.1	11
131	Proteomic analysis reveals changes in energy metabolism of skeletal muscle in beef cattle supplemented with vitamin A. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3536-3543.	1.7	11
132	Urea supplementation in rumen and post-rumen for cattle fed a low-quality tropical forage. <i>British Journal of Nutrition</i> , 2020, 124, 1166-1178.	1.2	11
133	Estimated genetic associations among reproductive traits in Nellore cattle using Bayesian analysis. <i>Animal Reproduction Science</i> , 2020, 214, 106305.	0.5	11
134	Multiple centroid method to evaluate the adaptability of alfalfa genotypes. <i>Revista Ceres</i> , 2015, 62, 30-36.	0.1	11
135	Quantitative genetics theory for genomic selection and efficiency of genotypic value prediction in open-pollinated populations. <i>Scientia Agricola</i> , 2017, 74, 41-50.	0.6	11
136	Population structure correction for genomic selection through eigenvector covariates. <i>Crop Breeding and Applied Biotechnology</i> , 2017, 17, 350-358.	0.1	11
137	Produ�o, composi�o e rendimento em queijo do leite de ovelhas Santa Ins tratadas com ocitocina. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 438-444.	0.3	11
138	Genetic progress resulting from forty-three years of breeding of the carioca common bean in Brazil. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	11
139	Degradabilidade ruminal do feno de alguns alimentos volumosos para ruminantes. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2006, 58, 575-580.	0.1	10
140	Perdas na ensilagem de capim-elefante aditivado com farelo de cacau e cana-de-a�car. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2008, 60, 227-233.	0.1	10
141	Differentially transcribed genes in skeletal muscle of lambs. <i>Livestock Science</i> , 2012, 150, 31-41.	0.6	10
142	Bayesian model-based clustering of temporal gene expression using autoregressive panel data approach. <i>Bioinformatics</i> , 2012, 28, 2004-2007.	1.8	10
143	Follicular dynamics and gene expression in granulosa cells, corpora lutea and oocytes from gilts of breeds with low and high ovulation rates. <i>Reproduction, Fertility and Development</i> , 2014, 26, 316.	0.1	10
144	Effects of alleles in crossbred pigs estimated for genomic prediction depend on their breed-of-origin. <i>BMC Genomics</i> , 2018, 19, 740.	1.2	10

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145	Energy and protein requirements of Holstein × Gyr crossbred heifers. <i>Animal</i> , 2020, 14, 1857-1866.	1.3	10
146	Genome-Wide Analyses Reveal the Genetic Architecture and Candidate Genes of Indicine, Taurine, Synthetic Crossbreds, and Locally Adapted Cattle in Brazil. <i>Frontiers in Genetics</i> , 2021, 12, 702822.	1.1	10
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148	Classificação multivariada de modelos de crescimento para grupos genéticos de ovinos de corte. <i>Revista Brasileira De Saude E Producao Animal</i> , 2012, 13, 62-73.	0.3	10
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152	Estimating additive and dominance variances for complex traits in pigs combining genomic and pedigree information. <i>Genetics and Molecular Research</i> , 2015, 14, 6303-6311.	0.3	9
153	Accuracy of genome-enabled prediction exploring purebred and crossbred pig populations1. <i>Journal of Animal Science</i> , 2015, 93, 4684-4691.	0.2	9
154	Bayesian estimation of genetic parameters for individual feed conversion and body weight gain in meat quail. <i>Livestock Science</i> , 2017, 200, 76-79.	0.6	9
155	Benchmarking Bayesian genome enabled-prediction models for age at first calving in Nelore cows. <i>Livestock Science</i> , 2018, 211, 75-79.	0.6	9
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157	Applying the Metafounders Approach for Genomic Evaluation in a Multibreed Beef Cattle Population. <i>Frontiers in Genetics</i> , 2020, 11, 556399.	1.1	9
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161	Linkage disequilibrium, SNP frequency change due to selection, and association mapping in popcorn chromosome regions containing QTLs for quality traits. <i>Genetics and Molecular Biology</i> , 2016, 39, 97-110.	0.6	8
162	Expression of myogenes in longissimus dorsi muscle during prenatal development in commercial and local Piau pigs. <i>Genetics and Molecular Biology</i> , 2016, 39, 589-599.	0.6	8

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164	Transgenerational epigenetic variance for body weight in meat quails. <i>Journal of Animal Breeding and Genetics</i> , 2018, 135, 178-185.	0.8	8
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166	Efficiency of Genomic Prediction of Nonassessed Testcrosses. <i>Crop Science</i> , 2019, 59, 2020-2027.	0.8	8
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168	Feeding behavior, water intake, and energy and protein requirements of young Nellore bulls with different residual feed intakes. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	8
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171	Genetic study of litter size and litter uniformity in Landrace pigs. <i>Revista Brasileira De Zootecnia</i> , 2020, 49, .	0.3	8
172	Bagaço de mandioca na ensilagem do capim-elefante: qualidade das silagens e digestibilidade dos nutrientes. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2007, 59, 719-729.	0.1	7
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174	Combined selection of progeny in crop breeding using best linear unbiased prediction. <i>Canadian Journal of Plant Science</i> , 2012, 92, 553-562.	0.3	7
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176	Identification and validation of differentially expressed genes from pig skeletal muscle. <i>Journal of Animal Breeding and Genetics</i> , 2013, 130, 372-381.	0.8	7
177	Accounting for genetic architecture in single and multipopulation genomic prediction using weights from genomewide association studies in pigs. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 187-196.	0.8	7
178	Bayesian analysis of pig growth curves combining pedigree and genomic information. <i>Livestock Science</i> , 2017, 201, 34-40.	0.6	7
179	GenomicLand: Software for genome-wide association studies and genomic prediction. <i>Acta Scientiarum - Agronomy</i> , 2018, 41, 45361.	0.6	7
180	Linkage fine-mapping and QTLs affecting morpho-agronomic traits of a Mesoamerican-Andean RIL common bean population. <i>Euphytica</i> , 2018, 214, 1.	0.6	7

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182	Quantile Regression Applied to Genome-Enabled Prediction of Traits Related to Flowering Time in the Common Bean. <i>Agronomy</i> , 2019, 9, 796.	1.3	7
183	Genetic evaluation for latent variables derived from factor analysis in broilers. <i>British Poultry Science</i> , 2020, 61, 3-9.	0.8	7
184	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.	1.4	7
185	Estimation of genetic parameters for body areas in Nile tilapia measured by digital image analysis. <i>Journal of Animal Breeding and Genetics</i> , 2021, 138, 731-738.	0.8	7
186	Métodos de análise de dados longitudinais para o melhoramento genético da pinha. <i>Pesquisa Agropecuária Brasileira</i> , 2011, 46, 1657-1664.	0.9	7
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188	Bagaço de mandioca em dietas de novilhas leiteiras: consumo de nutrientes e desempenho produtivo. <i>Arquivo Brasileiro De Medicina Veterinária E Zootecnia</i> , 2008, 60, 987-995.	0.1	7
189	Digestibilidade aparente da dieta com capim-elefante ensilado com diferentes aditivos. <i>Arquivo Brasileiro De Medicina Veterinária E Zootecnia</i> , 2010, 62, 889-897.	0.1	7
190	Random regression test-day models to describe milk production and fatty acid traits in first lactation Walloon Holstein cows. <i>Journal of Animal Breeding and Genetics</i> , 2022, 139, 398-413.	0.8	7
191	Desempenho de novilhas leiteiras alimentadas com silagem de capim-elefante com adição de diferentes níveis de bagaço de mandioca. <i>Arquivo Brasileiro De Medicina Veterinária E Zootecnia</i> , 2006, 58, 205-211.	0.1	6
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195	Zero-inflated Poisson regression models for QTL mapping applied to tick-resistance in a Gyr x Holstein F2 population. <i>Genetics and Molecular Biology</i> , 2011, 34, 575-582.	0.6	6
196	Identification and expression levels of pig miRNAs in skeletal muscle. <i>Livestock Science</i> , 2013, 154, 45-54.	0.6	6
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200	Genome prediction accuracy of common bean via Bayesian models. <i>Ciencia Rural</i> , 2018, 48, .	0.3	6
201	Quantile regression of nonlinear models to describe different levels of dry matter accumulation in garlic plants. <i>Ciencia Rural</i> , 2018, 48, .	0.3	6
202	Relationship of testicular biometry with semen variables in breeding soundness evaluation of Nelore bulls. <i>Animal Reproduction Science</i> , 2018, 196, 168-175.	0.5	6
203	Genetic parameters, genome-wide association and gene networks for milk and reproductive traits in Guzera cattle. <i>Livestock Science</i> , 2020, 242, 104273.	0.6	6
204	Alternative bayesian models for genetic evaluation of biometrical, physical, and morphological reproductive traits in nelore bulls. <i>Livestock Science</i> , 2021, 244, 104313.	0.6	6
205	Multivariate diallel analysis by factor analysis for establish mega-traits. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20180874.	0.3	6
206	Bayesian inference for the fitting of dry matter accumulation curves in garlic plants. <i>Pesquisa Agropecuaria Brasileira</i> , 2017, 52, 572-581.	0.9	6
207	Epigenética: mecanismos, herança e implicações no melhoramento animal. <i>Archivos De Zootecnia</i> , 2019, 68, 304-311.	0.2	6
208	A new computational method for hepatic fat microvesicles counting in histological study in rats. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 284-289.	1.0	5
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212	Weight gain potential affects pregnancy rates in bovine embryo recipients raised under pasture conditions. <i>Tropical Animal Health and Production</i> , 2016, 48, 103-107.	0.5	5
213	A note on transgenerational epigenetics affecting egg quality traits in meat-type quail. <i>British Poultry Science</i> , 2018, 59, 624-628.	0.8	5
214	Genetic evaluation of age at first calving for Guzera beef cattle using linear, threshold, and survival Bayesian models. <i>Journal of Animal Science</i> , 2018, 96, 2517-2524.	0.2	5
215	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.	0.8	5
216	Triple categorical regression for genomic selection: application to cassava breeding. <i>Scientia Agricola</i> , 2019, 76, 368-375.	0.6	5

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218	Autoregressive and random regression test-day models for multiple lactations in genetic evaluation of Brazilian Holstein cattle. <i>Journal of Animal Breeding and Genetics</i> , 2020, 137, 305-315.	0.8	5
219	Short communication: Genetic parameter estimates for caprine arthritis encephalitis in dairy goats. <i>Journal of Dairy Science</i> , 2020, 103, 6407-6411.	1.4	5
220	Genetic parameters for milk, growth, and reproductive traits in Guzera cattle under tropical conditions. <i>Tropical Animal Health and Production</i> , 2020, 52, 2251-2257.	0.5	5
221	Genomic selection for slaughter age in pigs using the Cox frailty model. <i>Genetics and Molecular Research</i> , 2015, 14, 12616-12627.	0.3	5
222	Genetic study of quantitative traits supports the use of Guzera as dual-purpose cattle. <i>Animal Bioscience</i> , 2022, 35, 955-963.	0.8	5
223	Is single-step genomic REML with the algorithm for proven and young more computationally efficient when less generations of data are present?. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	5
224	Follow-up of Patients with Vertically Acquired HIV Infection who are more than 9 Years Old. <i>Journal of Tropical Pediatrics</i> , 2003, 49, 253-255.	0.7	4
225	Características físico-químicas e custo do leite de cabras alimentadas com farelo de cacau ou torta de dendê. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2006, 58, 116-123.	0.1	4
226	Avaliação da produção de bezerros em confinamento ou em suplementação exclusiva. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2007, 59, 948-954.	0.1	4
227	Aplicação da análise de agrupamento de dados de expressão gênica temporal a dados em painel. <i>Pesquisa Agropecuária Brasileira</i> , 2011, 46, 1489-1495.	0.9	4
228	Transcript profiling of expressed sequence tags from semimembranosus muscle of commercial and naturalized pig breeds. <i>Genetics and Molecular Research</i> , 2012, 11, 3315-3328.	0.3	4
229	Quadrados mínimos parciais uni e multivariado aplicados na seleção genética para características de carcaça em suínos. <i>Ciencia Rural</i> , 2013, 43, 1642-1649.	0.3	4
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231	Genomic prediction for additive and dominance effects of censored traits in pigs. <i>Genetics and Molecular Research</i> , 2016, 15, .	0.3	4
232	Technical note: Prediction of chemical rib section composition by dual energy X-ray absorptiometry in Zebu beef cattle. <i>Journal of Animal Science</i> , 2016, 94, 2479-2484.	0.2	4
233	Genome association study through nonlinear mixed models revealed new candidate genes for pig growth curves. <i>Scientia Agricola</i> , 2017, 74, 1-7.	0.6	4
234	Bayesian model combining linkage and linkage disequilibrium analysis for low density-based genomic selection in animal breeding. <i>Journal of Applied Animal Research</i> , 2018, 46, 873-878.	0.4	4

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236	Genetic correlations between growth performance and carcass traits of purebred and crossbred pigs raised in tropical and temperate climates. <i>Journal of Animal Science</i> , 2019, 97, 3648-3657.	0.2	4
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239	Applying an association weight matrix in weighted genomic prediction of boar taint compounds. <i>Journal of Animal Breeding and Genetics</i> , 2021, 138, 442-453.	0.8	4
240	Genetic divergence among cupuaçu accessions by multiscale bootstrap resampling. <i>Bragantia</i> , 2015, 74, 169-175.	1.3	4
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242	Seleção genética para melhoramento vegetal com diferentes estruturas populacionais. <i>Pesquisa Agropecuária Brasileira</i> , 2016, 51, 1857-1867.	0.9	4
243	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Differentiated fat cells: Potential and perspectives for their use in clinical and animal science purpose. <i>Journal of Animal Science</i> , 2017, 95, 2255.	0.2	4
244	Multi-trait BLUP model indicates sorghum hybrids with genetic potential for agronomic and nutritional traits. <i>Genetics and Molecular Research</i> , 2016, 15, 15017071.	0.3	4
245	Novilhos nelore suplementados em pastagens: consumo, desempenho e digestibilidade. <i>Archivos De Zootecnia</i> , 2010, 59, .	0.2	4
246	Bagaço de mandioca (<i>Manihot esculenta</i> , Crantz) na dieta de vacas leiteiras: consumo de nutrientes. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2008, 60, 1004-1010.	0.1	3
247	Análise bayesiana para modelos de degradabilidade ruminal. <i>Ciencia Rural</i> , 2009, 39, 2169-2177.	0.3	3
248	Micropropagação da bananeira 'Maçã', cultivada in vitro em diferentes volumes de meio líquido. <i>Revista Ceres</i> , 2013, 60, 745-751.	0.1	3
249	Genome-Wide Selection (GWS)., 2014, , 105-133.		3
250	Best linear unbiased prediction for genetic evaluation in reciprocal recurrent selection with popcorn populations. <i>Journal of Agricultural Science</i> , 2014, 152, 428-438.	0.6	3
251	Composição centesimal e de ácidos graxos do músculo Longissimus de cordeiros confinados, alimentados com dietas contendo casca de mandioca. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2016, 68, 1325-1333.	0.1	3
252	Bayesian random regression threshold models for genetic evaluation of pregnancy probability in Red Sindhi heifers. <i>Livestock Science</i> , 2017, 202, 166-170.	0.6	3

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254	Contemporary groups in the genetic evaluation of Nellore cattle using Bayesian inference. <i>Pesquisa Agropecuaria Brasileira</i> , 2017, 52, 643-651.	0.9	3
255	Ingestive behavior of dairy goats fed diets containing increasing levels of neutral detergent fiber and particle size using multivariate analysis. <i>Acta Scientiarum - Animal Sciences</i> , 2018, 41, 45870.	0.3	3
256	Genetic evaluation of growth traits in Nellore cattle through multi-trait and random regression models. <i>Czech Journal of Animal Science</i> , 2018, 63, 212-221.	0.5	3
257	Research Article Expression of lipid metabolism and myosin heavy chain genes in pigs is affected by genotype and dietary lysine. <i>Genetics and Molecular Research</i> , 2018, 17, .	0.3	3
258	Effects of nutritional plans and genetic groups on performance, carcass and meat quality traits of finishing pigs. <i>Food Science and Technology</i> , 2019, 39, 538-545.	0.8	3
259	Alternative count Bayesian models for genetic evaluation of litter traits in pigs. <i>Livestock Science</i> , 2019, 225, 140-143.	0.6	3
260	New insights into genomic selection through population-based non-parametric prediction methods. <i>Scientia Agricola</i> , 2019, 76, 290-298.	0.6	3
261	Censored Bayesian models for genetic evaluation of age at first calving in Brazilian Brahman cattle. <i>Livestock Science</i> , 2019, 221, 177-180.	0.6	3
262	Efficiency of Bayesian quantitative trait loci mapping with full-sib progeny. <i>Agronomy Journal</i> , 2020, 112, 2759-2767.	0.9	3
263	Effect of duration of restricted-feeding on nutrient excretion, animal performance, and carcass characteristics of Holstein × Zebu finishing steers. <i>Animal Production Science</i> , 2020, 60, 535.	0.6	3
264	Autoregressive repeatability model for genetic evaluation of longitudinal reproductive traits in dairy cattle. <i>Journal of Dairy Research</i> , 2020, 87, 37-44.	0.7	3
265	Genotype by environment interaction for Holstein cattle populations using autoregressive and within- and across-country multi-trait reaction norms test-day models. <i>Animal</i> , 2021, 15, 100084.	1.3	3
266	Identificação e modelagem da autocorrelação residual no ajuste do modelo de Wood às curvas de lactação de cabras. <i>Ciencia Rural</i> , 2011, 41, 1818-1822.	0.3	3
267	Estimativas de variância genética aditiva em populações selecionadas e não-selecionadas via simulação Monte Carlo utilizando o software R. <i>Ciencia E Agrotecnologia</i> , 2009, 33, 285-291.	1.5	3
268	Nonlinear quantile regression to describe the dry matter accumulation of garlic plants. <i>Ciencia Rural</i> , 2020, 50, .	0.3	3
269	Quantifying individual variation in reaction norms using random regression models fitted through Legendre polynomials: application in eucalyptus breeding. <i>Bragantia</i> , 2020, 79, 485-501.	1.3	3
270	Mixed model-based Jinks and Pooni method to predict segregating populations in wheat breeding. <i>Crop Breeding and Applied Biotechnology</i> , 2021, 21, .	0.1	3

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272	Digestibilidade dos nutrientes do bagaço de mandioca em dietas de novilhas leiteiras. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2008, 60, 996-1003.	0.1	2
273	Abordagem bayesiana da sensibilidade de modelos para o coeficiente de endogamia. <i>Ciencia Rural</i> , 2009, 39, 1752-1759.	0.3	2
274	Comportamento ingestivo de vacas em lactação alimentadas com cana-de-açúcar ou feno da parte aérea da mandioca. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2012, 64, 1629-1638.	0.1	2
275	Viabilidade econômica do uso de fontes lipídicas na dieta de vacas em lactação. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2013, 65, 1454-1462.	0.1	2
276	Parâmetros e ganhos genéticos em características de crescimento de bovinos Tabapuá da Bahia. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2016, 68, 1043-1052.	0.1	2
277	Seleção e associação genética ampla para o melhoramento genético animal com uso do método GBLUP. <i>Pesquisa Agropecuaria Brasileira</i> , 2016, 51, 1729-1736.	0.9	2
278	The optimal number of partial least squares components in genomic selection for pork pH. <i>Ciencia Rural</i> , 2017, 47, .	0.3	2
279	Use of regularized quantile regression to predict the genetic merit of pigs for asymmetric carcass traits. <i>Pesquisa Agropecuaria Brasileira</i> , 2018, 53, 1011-1017.	0.9	2
280	Exigência de proteína bruta para juvenis de curimatã-pacu. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2018, 70, 921-930.	0.1	2
281	Genotype imputation strategies for Portuguese Holstein cattle using different SNP panels. <i>Czech Journal of Animal Science</i> , 2019, 64, 377-386.	0.5	2
282	Evaluation of Bayesian methods of genomic association via chromosomal regions using simulated data. <i>Scientia Agricola</i> , 2022, 79, .	0.6	2
283	Inferência bayesiana da conversão alimentar em diferentes experimentos animais. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2016, 68, 466-474.	0.1	2
284	Progesterone and estrogen receptor expression by canine cutaneous soft tissue sarcomas. <i>Pesquisa Veterinaria Brasileira</i> , 2020, 40, 284-288.	0.5	2
285	Inferência Bayesiana na análise genética de populações diploides: estimação do coeficiente de endogamia e da taxa de fecundação cruzada. <i>Ciencia Rural</i> , 2008, 38, 1258-1265.	0.3	2
286	Generalized linear mixed models for the genetic evaluation of binary reproductive traits: a simulation study. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 52-57.	0.3	2
287	Bayesian random regression for genetic evaluation of South American leaf blight in rubber trees. <i>Revista Ciencia Agronomica</i> , 2017, 48, .	0.1	2
288	Interação ordenador-vaca e as respostas comportamentais, produtivas e econômica dos animais. <i>Archivos De Zootecnia</i> , 2014, 63, 381-384.	0.2	2

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