

Robert John Tempelman

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,200
citations

257101

24
h-index

395343

33
g-index

48
all docs

48
docs citations

48
times ranked

1469
citing authors

#	ARTICLE	IF	CITATIONS
1	Limitations in use of ovarian reserve biomarkers to predict the superovulation response in small ovarian reserve heifers. <i>Theriogenology</i> , 2022, 182, 53-62.	0.9	1
2	The use of milk Fourier-transform mid-infrared spectroscopy to diagnose pregnancy and determine spectral regional associations with pregnancy in US dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 3209-3221.	1.4	3
3	Estimates of genetic parameters for feeding behavior traits and their associations with feed efficiency in Holstein cows. <i>Journal of Dairy Science</i> , 2022, 105, 7564-7574.	1.4	11
4	Negative impact of high doses of follicle-stimulating hormone during superovulation on the ovulatory follicle function in small ovarian reserve dairy heifers. <i>Biology of Reproduction</i> , 2021, 104, 695-705.	1.2	17
5	Knockdown of Death-Associated Protein Expression Induces Global Transcriptome Changes in Proliferating and Differentiating Muscle Satellite Cells. <i>Frontiers in Physiology</i> , 2020, 11, 1036.	1.3	0
6	Diagnosing pregnancy status using infrared spectra and milk composition in dairy cows. <i>Journal of Dairy Science</i> , 2018, 101, 2496-2505.	1.4	35
7	Genome-Wide Association Analyses Based on Broadly Different Specifications for Prior Distributions, Genomic Windows, and Estimation Methods. <i>Genetics</i> , 2017, 206, 1791-1806.	1.2	31
8	Aflatoxin levels in sunflower seeds and cakes collected from micro- and small-scale sunflower oil processors in Tanzania. <i>PLoS ONE</i> , 2017, 12, e0175801.	1.1	29
9	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
10	Short communication: On recognizing the proper experimental unit in animal studies in the dairy sciences. <i>Journal of Dairy Science</i> , 2016, 99, 8871-8879.	1.4	41
11	Genomic Prediction Accounting for Residual Heteroskedasticity. <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 1-13.	0.8	8
12	Guest Editorsâ€™ Introduction to the Special Issue on â€œStatistical Genomics and Transcriptomics in Agricultureâ€• <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2015, 20, 439-441.	0.7	0
13	Improving the computational efficiency of fully Bayes inference and assessing the effect of misspecification of hyperparameters in whole-genome prediction models. <i>Genetics Selection Evolution</i> , 2015, 47, 13.	1.2	12
14	Statistical and Computational Challenges in Whole Genome Prediction and Genome-Wide Association Analyses for Plant and Animal Breeding. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2015, 20, 442-466.	0.7	10
15	Inhibition of <i>Listeria monocytogenes</i> in Full- and Low-Sodium Frankfurters at 4, 7, or 10°C Using Spray-Dried Mixtures of Organic Acid Salts. <i>Journal of Food Protection</i> , 2013, 76, 1557-1567.	0.8	6
16	A Bayesian Antedependence Model for Whole Genome Prediction. <i>Genetics</i> , 2012, 190, 1491-1501.	1.2	62
17	Passage of <i>Campylobacter jejuni</i> through the chicken reservoir or mice promotes phase variation in contingency genes Cj0045 and Cj0170 that strongly associates with colonization and disease in a mouse model. <i>Microbiology (United Kingdom)</i> , 2012, 158, 1304-1316.	0.7	36
18	Hierarchical Bayesian modeling of heterogeneous cluster- and subject-level associations between continuous and binary outcomes in dairy production. <i>Biometrical Journal</i> , 2012, 54, 230-248.	0.6	9

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19	Inferring Upon Heterogeneous Associations in Dairy Cattle Performance Using a Bivariate Hierarchical Model. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2012, 17, 142-161.	0.7	5
20	Genome-Wide Linkage Analysis of Global Gene Expression in Loin Muscle Tissue Identifies Candidate Genes in Pigs. <i>PLoS ONE</i> , 2011, 6, e16766.	1.1	45
21	Transcriptional profiling identifies differentially expressed genes in developing turkey skeletal muscle. <i>BMC Genomics</i> , 2011, 12, 143.	1.2	41
22	Hierarchical Bayesian modeling of random and residual variance-covariance matrices in bivariate mixed effects models. <i>Biometrical Journal</i> , 2010, 52, 297-313.	0.6	19
23	Addressing scope of inference for global genetic evaluation of livestock. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 261-267.	0.3	4
24	A large-scale study of differential gene expression in monocyte-derived macrophages infected with several strains of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> . <i>Briefings in Functional Genomics</i> , 2010, 9, 220-237.	1.3	51
25	Modelos hierárquicos bayesianos para estimação robusta e análise de dados censurados em melhoramento animal. <i>Revista Brasileira De Zootecnia</i> , 2009, 38, 72-80.	0.3	4
26	Development of an Adjuvant-Free Cashew Nut Allergy Mouse Model. <i>International Archives of Allergy and Immunology</i> , 2009, 149, 299-304.	0.9	41
27	Sexual differentiation of the zebra finch song system: potential roles for sex chromosome genes. <i>BMC Neuroscience</i> , 2009, 10, 24.	0.8	55
28	Optimizing design of two-stage experiments for transcriptional profiling. <i>Computational Statistics and Data Analysis</i> , 2009, 53, 1639-1649.	0.7	5
29	Gene expression profiling in hepatic tissue of newly weaned pigs fed pharmacological zinc and phytase supplemented diets. <i>BMC Genomics</i> , 2008, 9, 421.	1.2	34
30	Selective Transcriptional Profiling and Data Analysis Strategies for Expression Quantitative Trait Loci Mapping in Outbred F2 Populations. <i>Genetics</i> , 2008, 180, 1679-1690.	1.2	11
31	Statistical Analysis of Efficient Unbalanced Factorial Designs for Two-Color Microarray Experiments. <i>International Journal of Plant Genomics</i> , 2008, 2008, 1-16.	2.2	9
32	Gene expression profiling of peripheral mononuclear cells in lame dairy cows with foot lesions. <i>Veterinary Immunology and Immunopathology</i> , 2007, 120, 234-245.	0.5	34
33	A novel method for testing social recognition in young pigs and the modulating effects of relocation. <i>Applied Animal Behaviour Science</i> , 2006, 99, 77-87.	0.8	17
34	A general approach to mixed effects modeling of residual variances in generalized linear mixed models. <i>Genetics Selection Evolution</i> , 2005, 37, 31-56.	1.2	46
35	Enhanced gene expression in the forebrain of hatchling and juvenile male zebra finches. <i>Journal of Neurobiology</i> , 2005, 64, 224-238.	3.7	29
36	Reassessing Design and Analysis of two-Colour Microarray Experiments Using Mixed Effects Models. <i>Comparative and Functional Genomics</i> , 2005, 6, 123-131.	2.0	58

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37	Assessing statistical precision, power, and robustness of alternative experimental designs for two color microarray platforms based on mixed effects models. <i>Veterinary Immunology and Immunopathology</i> , 2005, 105, 175-186.	0.5	44
38	Genetic evaluation of beef cattle accounting for uncertain paternity. <i>Livestock Science</i> , 2004, 89, 109-120.	1.2	12
39	A cDNA microarray from the telencephalon of juvenile male and female zebra finches. <i>Journal of Neuroscience Methods</i> , 2004, 138, 199-206.	1.3	42
40	Pharmacological Zinc and Phytase Supplementation Enhance Metallothionein mRNA Abundance and Protein Concentration in Newly Weaned Pigs. <i>Journal of Nutrition</i> , 2004, 134, 538-544.	1.3	46
41	Cumulative t-link threshold models for the genetic analysis of calving ease scores. <i>Genetics Selection Evolution</i> , 2003, 35, 489-512.	1.2	31
42	Bayesian inference on genetic merit under uncertain paternity. <i>Genetics Selection Evolution</i> , 2003, 35, 469-87.	1.2	24
43	Bovine mammary gene expression profiling using a cDNA microarray enhanced for mammary-specific transcripts. <i>Physiological Genomics</i> , 2003, 16, 8-18.	1.0	66
44	Parents' predicted transmitting abilities are not associated with culling prior to second lactation of Michigan, USA dairy cows. <i>Preventive Veterinary Medicine</i> , 2000, 43, 91-102.	0.7	3
45	Genetic Analysis of Fertility in Dairy Cattle Using Negative Binomial Mixed Models. <i>Journal of Dairy Science</i> , 1999, 82, 1834-1847.	1.4	20
46	Generalized Linear Mixed Models in Dairy Cattle Breeding. <i>Journal of Dairy Science</i> , 1998, 81, 1428-1444.	1.4	44
47	A Mixed Effects Model for Overdispersed Count Data in Animal Breeding. <i>Biometrics</i> , 1996, 52, 265.	0.8	31