

# Penny K Riggs

## List of Publications by Citations

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78  
papers

2,287  
citations

20  
h-index

47  
g-index

85  
ext. papers

2,745  
ext. citations

3.1  
avg. IF

4.74  
L-index

#	Paper	IF	Citations
78	The genome sequence of taurine cattle: a window to ruminant biology and evolution. <i>Science</i> , <b>2009</b> , 324, 522-8	33.3	863
77	Development of a 63K SNP Array for Cotton and High-Density Mapping of Intraspecific and Interspecific Populations of <i>Gossypium</i> spp. <i>G3: Genes, Genomes, Genetics</i> , <b>2015</b> , 5, 1187-209	3.2	117
76	Evaluation of Prenatal Transportation Stress on the Number of Pituitary Corticotrophs in Mature Brahman Cows. <i>Journal of Animal Science</i> , <b>2021</b> , 99, 24-25	0.7	78
75	Evaluation of Peripheral Blood Leukocytes as a Surrogate for RNA-Seq Detection of Gene Expression in Stress Axis Tissues of Mature Brahman Cows. <i>Journal of Animal Science</i> , <b>2021</b> , 99, 2-3	0.7	78
74	376 Awardee Talk - Prenatal transportation stress alters physiology of suckling Brahman calves as mediated by changes in DNA methylation. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 142-142	0.7	78
73	PSVIII-40 Effect of prenatal transportation stress on DNA methylation in Brahman heifers. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 262-263	0.7	78
72	PSXIII-13 Comparison of telomere length in age-matched primiparous and multiparous Brahman cows. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 363-364	0.7	78
71	PSVIII-39 Genome-wide DNA methylation alteration in prenatally stressed Brahman heifer calves with the advancement of age. <i>Journal of Animal Science</i> , <b>2019</b> , 97, 263-264	0.7	78
70	Progressive metaplastic and dysplastic changes in mouse pancreas induced by cyclooxygenase-2 overexpression. <i>Neoplasia</i> , <b>2008</b> , 10, 782-96	6.4	69
69	Standardization of cattle karyotype nomenclature: report of the committee for the standardization of the cattle karyotype. <i>Cytogenetic and Genome Research</i> , <b>1996</b> , 74, 259-61	1.9	67
68	Discovery of candidate genes and pathways in the endometrium regulating ovine blastocyst growth and conceptus elongation. <i>Physiological Genomics</i> , <b>2009</b> , 39, 85-99	3.6	66
67	A first generation whole genome RH map of the river buffalo with comparison to domestic cattle. <i>BMC Genomics</i> , <b>2008</b> , 9, 631	4.5	50
66	Genome to Phenome: Improving Animal Health, Production, and Well-Being - A New USDA Blueprint for Animal Genome Research 2018-2027. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 327	4.5	47
65	Differential gene expression in epidermis of mice sensitive and resistant to phorbol ester skin tumor promotion. <i>Molecular Carcinogenesis</i> , <b>2005</b> , 44, 122-36	5	28
64	Gene expression in the arcuate nucleus of heifers is affected by controlled intake of high- and low-concentrate diets. <i>Journal of Animal Science</i> , <b>2012</b> , 90, 2222-32	0.7	27
63	Hypothalamic distribution, adenohipophyseal receptor expression, and ligand functionality of RFamide-related peptide 3 in the mare during the breeding and nonbreeding seasons. <i>Biology of Reproduction</i> , <b>2014</b> , 90, 28	3.9	26
62	The contribution of transposable elements to <i>Bos taurus</i> gene structure. <i>Gene</i> , <b>2007</b> , 390, 180-9	3.8	24

61	Dexamethasone acutely down-regulates genes involved in steroidogenesis in stallion testes. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2014</b> , 143, 451-9	5.1	23
60	Alteration of Egr-1 mRNA during multistage carcinogenesis in mouse skin. <i>Molecular Carcinogenesis</i> , <b>2000</b> , 27, 247-51	5	22
59	Development and initial characterization of a Bos taurus x B. gaurus interspecific hybrid backcross panel. <i>Journal of Heredity</i> , <b>1997</b> , 88, 373-9	2.4	21
58	Genome-wide association study of temperament and tenderness using different Bayesian approaches in a Nellore-Angus crossbred population. <i>Livestock Science</i> , <b>2014</b> , 161, 17-27	1.7	19
57	Analysis of aphidicolin-induced chromosome fragility in the domestic pig ( <i>Sus scrofa</i> ). <i>Cytogenetic and Genome Research</i> , <b>1993</b> , 62, 110-6	1.9	19
56	Evidence that Gsta4 modifies susceptibility to skin tumor development in mice and humans. <i>Journal of the National Cancer Institute</i> , <b>2010</b> , 102, 1663-75	9.7	18
55	Prenatal transportation stress alters genome-wide DNA methylation in suckling Brahman bull calves. <i>Journal of Animal Science</i> , <b>2018</b> , 96, 5075-5099	0.7	17
54	Consequences of perinatal bisphenol A exposure in a mouse model of multiple sclerosis. <i>Autoimmunity</i> , <b>2014</b> , 47, 57-66	3	15
53	Proteomic and pathway analyses reveal a network of inflammatory genes associated with differences in skin tumor promotion susceptibility in DBA/2 and C57BL/6 mice. <i>Carcinogenesis</i> , <b>2012</b> , 33, 2208-19	4.6	15
52	ATM controls c-Myc and DNA synthesis during postnatal thymocyte development through regulation of redox state. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 41, 640-8	7.8	15
51	Marinobufagenin regulates permeability and gene expression of brain endothelial cells. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 306, R918-24	3.2	14
50	Considerations for the use of Cre recombinase for conditional gene deletion in the mouse lens. <i>Human Genomics</i> , <b>2019</b> , 13, 10	6.8	14
49	A radiation hybrid map of river buffalo ( <i>Bubalus bubalis</i> ) chromosome 1 (BBU1). <i>Cytogenetic and Genome Research</i> , <b>2007</b> , 119, 100-4	1.9	13
48	Development and characterization of two porcine monocyte-derived macrophage cell lines. <i>Results in Immunology</i> , <b>2013</b> , 3, 26-32		12
47	Differential miRNA expression in inherently high- and low-active inbred mice. <i>Physiological Reports</i> , <b>2015</b> , 3, e12469	2.6	12
46	Chromosomal localization of the porcine skeletal muscle calpain gene. <i>Mammalian Genome</i> , <b>1996</b> , 7, 226-8	3.2	12
45	Structure of the human gene (COX6A2) for the heart/muscle isoform of cytochrome c oxidase subunit VIa and its chromosomal location in humans, mice, and cattle. <i>Genomics</i> , <b>1997</b> , 42, 146-51	4.3	11
44	Preliminary radiation hybrid map for river buffalo chromosome 6 and comparison to bovine chromosome 3. <i>Animal Genetics</i> , <b>2007</b> , 38, 406-9	2.5	11

43	Structure and chromosomal location of the bovine gene for the heart muscle isoform of cytochrome c oxidase subunit VIII. <i>Mammalian Genome</i> , <b>1995</b> , 6, 118-22	3.2	11
42	Crossbred steer temperament as yearlings and whole genome association of steer temperament as yearlings and calf temperament post-weaning. <i>Journal of Animal Science</i> , <b>2016</b> , 94, 1408-14	0.7	10
41	Genetic evaluation of aspects of temperament in Nellore-Angus calves. <i>Journal of Animal Science</i> , <b>2014</b> , 92, 3223-30	0.7	10
40	Differential expression of multiple anti-apoptotic proteins in epidermis of IGF-1 transgenic mice as revealed by 2-dimensional gel electrophoresis/mass spectrometry analysis. <i>Molecular Carcinogenesis</i> , <b>2007</b> , 46, 331-40	5	10
39	Association of udder traits with single nucleotide polymorphisms in crossbred - cows. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 2399-2407	0.7	9
38	Differential gene expression in high- and low-active inbred mice. <i>BioMed Research International</i> , <b>2014</b> , 2014, 361048	3	8
37	Fragile sites in domestic animal chromosomes: molecular insights and challenges. <i>Cytogenetic and Genome Research</i> , <b>2009</b> , 126, 97-109	1.9	8
36	First radiation hybrid map of the river buffalo X chromosome (BBUX) and comparison with BTAX. <i>Animal Genetics</i> , <b>2008</b> , 39, 196-200	2.5	8
35	Influence of prenatal transportation stress-induced differential DNA methylation on the physiological control of behavior and stress response in suckling Brahman bull calves. <i>Journal of Animal Science</i> , <b>2020</b> , 98,	0.7	8
34	Ionizing radiation-induced bioeffects in space and strategies to reduce cellular injury and carcinogenesis. <i>Aviation, Space, and Environmental Medicine</i> , <b>2007</b> , 78, A67-78		8
33	Whole genome association of SNP with newborn calf cannon bone length. <i>Livestock Science</i> , <b>2013</b> , 155, 186-196	1.7	7
32	Association of udder traits with single nucleotide polymorphisms in crossbred cows. <i>Journal of Animal Science</i> , <b>2017</b> , 95, 2399	0.7	7
31	A high resolution GBG-banded karyotype of the Atlantic bottlenose dolphin, <i>Tursiops truncatus</i> : generation of an ideogram, and NOR localization by fluorescence in situ hybridization. <i>Cytogenetic and Genome Research</i> , <b>1997</b> , 78, 6-11	1.9	6
30	Mapping MHC genes in river buffalo. <i>Developments in Biologicals</i> , <b>2008</b> , 132, 343-346		4
29	Genome association of carcass and palatability traits from <i>Bos indicus</i> - <i>Bos taurus</i> crossbred steers within electrical stimulation status and correspondence with steer temperament 1. Carcass. <i>Livestock Science</i> , <b>2019</b> , 229, 150-158	1.7	4
28	Food and nutrient security for a growing population. <i>Animal Frontiers</i> , <b>2018</b> , 8, 3-4	5.5	4
27	Expression of bovine genes associated with local and systemic immune response to infestation with the Lone Star tick, <i>Amblyomma americanum</i> . <i>Ticks and Tick-borne Diseases</i> , <b>2014</b> , 5, 676-88	3.6	3
26	Alternative parameterizations of relatedness in whole genome association analysis of pre-weaning traits of Nellore-Angus calves. <i>Genetics and Molecular Biology</i> , <b>2014</b> , 37, 518-25	2	3

25	Identification of aphidicolin-induced fragile sites in domestic pig chromosomes. <i>Genetics Selection Evolution</i> , <b>1991</b> , 23, S187	4.9	3
24	Effect of prenatal transportation stress on DNA methylation in Brahman heifers. <i>Livestock Science</i> , <b>2020</b> , 240, 104116	1.7	3
23	The outbreak that changed meat and poultry inspection systems worldwide. <i>Animal Frontiers</i> , <b>2018</b> , 8, 4-8	5.5	3
22	A high-resolution radiation hybrid map of the river buffalo major histocompatibility complex and comparison with BoLA. <i>Animal Genetics</i> , <b>2013</b> , 44, 369-76	2.5	2
21	Fine mapping reveals that promotion susceptibility locus 1 (Psl1) is a compound locus with multiple genes that modify susceptibility to skin tumor development. <i>G3: Genes, Genomes, Genetics</i> , <b>2014</b> , 4, 1071-9	3.3	2
20	Application of dissociation curve analysis to radiation hybrid panel marker scoring: generation of a map of river buffalo ( <i>B. bubalis</i> ) chromosome 20. <i>BMC Genomics</i> , <b>2008</b> , 9, 544	4.5	2
19	Genome-wide DNA methylation alteration in prenatally stressed Brahman heifer calves with the advancement of age. <i>Epigenetics</i> , <b>2021</b> , 16, 519-536	5.7	2
18	Constitutive activation of Stat3 in mouse epidermis is linked to hair deficiency and cytoskeletal network damage. <i>Experimental Dermatology</i> , <b>2015</b> , 24, 796-8	4	1
17	Genome association of carcass and palatability traits from <i>Bos indicus</i> - <i>Bos taurus</i> crossbred steers within electrical stimulation status and correspondence with steer temperament 3. Aroma and flavor attributes of cooked steaks. <i>Livestock Science</i> , <b>2020</b> , 233, 103943	1.7	1
16	Evaluation of methods for the isolation of high quality RNA from bovine and cervine hide biopsies. <i>Journal of Parasitology</i> , <b>2013</b> , 99, 19-23	0.9	1
15	Skeletal Muscle Expression of Actinin-3 () in Relation to Feed Efficiency Phenotype of F - Steers.. <i>Frontiers in Genetics</i> , <b>2022</b> , 13, 796038	4.5	1
14	Report of a chimeric origin of transposable elements in a bovine-coding gene. <i>Genetics and Molecular Research</i> , <b>2008</b> , 7, 107-16	1.2	1
13	Identification of Progesterone-Regulated Genes Governing Pre-implantation Conceptus Growth and Development.. <i>Biology of Reproduction</i> , <b>2008</b> , 78, 173-173	3.9	1
12	003 Genome wide association of beef flavor and tenderness in steaks (with electrical stimulation and without) from carcasses of Nellore- <i>Bos taurus</i> steers. <i>Journal of Animal Science</i> , <b>2016</b> , 94, 2-2	0.7	1
11	Differential Expression of MicroRNAs in Dark-Cutting Meat from Beef Carcasses. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 3555	2.6	0
10	Description of bovine major histocompatibility complex class IIa haplotypes using parthenogenetic embryo-derived cells. <i>Animal Genetics</i> , <b>2015</b> , 46, 325-8	2.5	
9	Preparation of Metaphase Chromosomes for Cytogenetic Analysis <b>1998</b> , 229-238		
8	Expansion of Knowledge and Advances in Genetics for Quantitative Analyses <b>2019</b> , 16-27		

7 Chromosomes of Fish. *Advances in Veterinary Medicine*, **1990**, 34, 209-227

6 Expression of Hypothalamic RF-amide Related Peptide 3 (RFRP3) and Adenohypophyseal G Protein-Coupled Receptor 147 (GPR147) During the Breeding and Non-breeding Seasons in the Mare.. *Biology of Reproduction*, **2012**, 87, 482-482 3.9

5 Genome association of carcass and palatability traits from Bos indicus-Bos taurus crossbred steers within electrical stimulation status and correspondence with steer temperament 2. Palatability. *Livestock Science*, **2020**, 232, 103897 1.7

4 The Potential Use of DNA Methylation Patterns from Peripheral Blood Leukocytes as a Surrogate for Stress Axis Tissues in Mature Brahman Cows. *Journal of Animal Science*, **2021**, 99, 1-2 0.7

3 Differential Expression of Circadian Clock Genes in the Bovine Neuroendocrine Adrenal System. *Journal of the Endocrine Society*, **2021**, 5, A66-A67 0.4

2 095 Metabolomic profiling for identification of biomarkers associated with temperament in feedlot cattle. *Journal of Animal Science*, **2016**, 94, 47-47 0.7

1 Distributional characterizations and testing for differences of relatedness and inbreeding of a subpopulation of American Hereford bulls. *Translational Animal Science*, **2021**, 5, txab008 1.4