Penny K Riggs

List of Publications by Year in Descending Order

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	Skeletal Muscle Expression of Actinin-3 () in Relation to Feed Efficiency Phenotype of F - Steers.. *Frontiers in Genetics*, **2022**, 13, 796038	4.5	1
77	Differential Expression of MicroRNAs in Dark-Cutting Meat from Beef Carcasses. *Applied Sciences (Switzerland)*, **2022**, 12, 3555	2.6	0
76	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	
75	Evaluation of Prenatal Transportation Stress on the Number of Pituitary Corticotrophs in Mature Brahman Cows. *Journal of Animal Science*, **2021**, 99, 24-25	0.7	78
74	Evaluation of Peripheral Blood Leukocytes as a Surrogate for RNA-Seq Detection of Gene Expression in Stress Axis Tissues of Mature Brahman Cows. *Journal of Animal Science*, **2021**, 99, 2-3	0.7	78
73	Differential Expression of Circadian Clock Genes in the Bovine Neuroendocrine Adrenal System. *Journal of the Endocrine Society*, **2021**, 5, A66-A67	0.4	
72	Genome-wide DNA methylation alteration in prenatally stressed Brahman heifer calves with the advancement of age. *Epigenetics*, **2021**, 16, 519-536	5.7	2
71	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	
70	Genome association of carcass and palatability traits from Bos indicus-Bos taurus crossbred steers within electrical stimulation status and correspondence with steer temperament 3. Aroma and flavor attributes of cooked steaks. *Livestock Science*, **2020**, 233, 103943	1.7	1
69	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	
68	Influence of prenatal transportation stress-induced differential DNA methylation on the physiological control of behavior and stress response in suckling Brahman bull calves. *Journal of Animal Science*, **2020**, 98,	0.7	8
67	Effect of prenatal transportation stress on DNA methylation in Brahman heifers. *Livestock Science*, **2020**, 240, 104116	1.7	3
66	Genome to Phenome: Improving Animal Health, Production, and Well-Being - A New USDA Blueprint for Animal Genome Research 2018-2027. *Frontiers in Genetics*, **2019**, 10, 327	4.5	47
65	Expansion of Knowledge and Advances in Genetics for Quantitative Analyses **2019**, 16-27		
64	Considerations for the use of Cre recombinase for conditional gene deletion in the mouse lens. *Human Genomics*, **2019**, 13, 10	6.8	14
63	376 Awardee Talk - Prenatal transportation stress alters physiology of suckling Brahman calves as mediated by changes in DNA methylation. *Journal of Animal Science*, **2019**, 97, 142-142	0.7	78
62	PSVIII-40 Effect of prenatal transportation stress on DNA methylation in Brahman heifers. *Journal of Animal Science*, **2019**, 97, 262-263	0.7	78

61	PSXIII-13 Comparison of telomere length in age-matched primiparous and multiparous Brahman cows. *Journal of Animal Science*, **2019**, 97, 363-364	0.7	78
60	PSVIII-39 Genome-wide DNA methylation alteration in prenatally stressed Brahman heifer calves with the advancement of age. *Journal of Animal Science*, **2019**, 97, 263-264	0.7	78
59	Genome association of carcass and palatability traits from Bos indicus-Bos taurus crossbred steers within electrical stimulation status and correspondence with steer temperament 1. Carcass. *Livestock Science*, **2019**, 229, 150-158	1.7	4
58	Prenatal transportation stress alters genome-wide DNA methylation in suckling Brahman bull calves. *Journal of Animal Science*, **2018**, 96, 5075-5099	0.7	17
57	The outbreak that changed meat and poultry inspection systems worldwide. *Animal Frontiers*, **2018**, 8, 4-8	5.5	3
56	Food and nutrient security for a growing population. *Animal Frontiers*, **2018**, 8, 3-4	5.5	4
55	Association of udder traits with single nucleotide polymorphisms in crossbred - cows. *Journal of Animal Science*, **2017**, 95, 2399-2407	0.7	9
54	Association of udder traits with single nucleotide polymorphisms in crossbred □cows. *Journal of Animal Science*, **2017**, 95, 2399	0.7	7
53	Crossbred steer temperament as yearlings and whole genome association of steer temperament as yearlings and calf temperament post-weaning. *Journal of Animal Science*, **2016**, 94, 1408-14	0.7	10
52	003 Genome wide association of beef flavor and tenderness in steaks (with electrical stimulation and without) from carcasses of Nellore-Bos taurus steers. *Journal of Animal Science*, **2016**, 94, 2-2	0.7	1
51	095 Metabolomic profiling for identification of biomarkers associated with temperament in feedlot cattle. *Journal of Animal Science*, **2016**, 94, 47-47	0.7	
50	Development of a 63K SNP Array for Cotton and High-Density Mapping of Intraspecific and Interspecific Populations of Gossypium spp. *G3: Genes, Genomes, Genetics*, **2015**, 5, 1187-209	3.2	117
49	Constitutive activation of Stat3 in mouse epidermis is linked to hair deficiency and cytoskeletal network damage. *Experimental Dermatology*, **2015**, 24, 796-8	4	1
48	Differential miRNA expression in inherently high- and low-active inbred mice. *Physiological Reports*, **2015**, 3, e12469	2.6	12
47	Description of bovine major histocompatibility complex class IIa haplotypes using parthenogenetic embryo-derived cells. *Animal Genetics*, **2015**, 46, 325-8	2.5	
46	Dexamethasone acutely down-regulates genes involved in steroidogenesis in stallion testes. *Journal of Steroid Biochemistry and Molecular Biology*, **2014**, 143, 451-9	5.1	23
45	Expression of bovine genes associated with local and systemic immune response to infestation with the Lone Star tick, Amblyomma americanum. *Ticks and Tick-borne Diseases*, **2014**, 5, 676-88	3.6	3
44	Genetic evaluation of aspects of temperament in Nellore-Angus calves. *Journal of Animal Science*, **2014**, 92, 3223-30	0.7	10

43	Differential gene expression in high- and low-active inbred mice. *BioMed Research International*, **2014**, 2014, 361048	3	8
42	Alternative parameterizations of relatedness in whole genome association analysis of pre-weaning traits of Nelore-Angus calves. *Genetics and Molecular Biology*, **2014**, 37, 518-25	2	3
41	Marinobufagenin regulates permeability and gene expression of brain endothelial cells. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2014**, 306, R918-24	3.2	14
40	Consequences of perinatal bisphenol A exposure in a mouse model of multiple sclerosis. *Autoimmunity*, **2014**, 47, 57-66	3	15
39	Fine mapping reveals that promotion susceptibility locus 1 (Psl1) is a compound locus with multiple genes that modify susceptibility to skin tumor development. *G3: Genes, Genomes, Genetics*, **2014**, 4, 1071-9	2.2	2
38	Hypothalamic distribution, adenohypophyseal receptor expression, and ligand functionality of RFamide-related peptide 3 in the mare during the breeding and nonbreeding seasons. *Biology of Reproduction*, **2014**, 90, 28	3.9	26
37	Genome-wide association study of temperament and tenderness using different Bayesian approaches in a Nellore-Angus crossbred population. *Livestock Science*, **2014**, 161, 17-27	1.7	19
36	A high-resolution radiation hybrid map of the river buffalo major histocompatibility complex and comparison with BoLA. *Animal Genetics*, **2013**, 44, 369-76	2.5	2
35	Evaluation of methods for the isolation of high quality RNA from bovine and cervine hide biopsies. *Journal of Parasitology*, **2013**, 99, 19-23	0.9	1
34	Development and characterization of two porcine monocyte-derived macrophage cell lines. *Results in Immunology*, **2013**, 3, 26-32		12
33	Whole genome association of SNP with newborn calf cannon bone length. *Livestock Science*, **2013**, 155, 186-196	1.7	7
32	Gene expression in the arcuate nucleus of heifers is affected by controlled intake of high- and low-concentrate diets. *Journal of Animal Science*, **2012**, 90, 2222-32	0.7	27
31	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. *Carcinogenesis*, **2012** , 33, 2208-19	4.6	15
30	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	
29	Evidence that Gsta4 modifies susceptibility to skin tumor development in mice and humans. *Journal of the National Cancer Institute*, **2010**, 102, 1663-75	9.7	18
28	Discovery of candidate genes and pathways in the endometrium regulating ovine blastocyst growth and conceptus elongation. *Physiological Genomics*, **2009**, 39, 85-99	3.6	66
27	Fragile sites in domestic animal chromosomes: molecular insights and challenges. *Cytogenetic and Genome Research*, **2009**, 126, 97-109	1.9	8
26	The genome sequence of taurine cattle: a window to ruminant biology and evolution. *Science*, **2009**, 324, 522-8	33.3	863

25	First radiation hybrid map of the river buffalo X chromosome (BBUX) and comparison with BTAX. *Animal Genetics*, **2008**, 39, 196-200	2.5	8
24	Application of dissociation curve analysis to radiation hybrid panel marker scoring: generation of a map of river buffalo (B. bubalis) chromosome 20. *BMC Genomics*, **2008**, 9, 544	4.5	2
23	A first generation whole genome RH map of the river buffalo with comparison to domestic cattle. *BMC Genomics*, **2008**, 9, 631	4.5	50
22	Progressive metaplastic and dysplastic changes in mouse pancreas induced by cyclooxygenase-2 overexpression. *Neoplasia*, **2008**, 10, 782-96	6.4	69
21	Report of a chimeric origin of transposable elements in a bovine-coding gene. *Genetics and Molecular Research*, **2008**, 7, 107-16	1.2	1
20	Mapping MHC genes in river buffalo. *Developments in Biologicals*, **2008**, 132, 343-346		4
19	Identification of Progesterone-Regulated Genes Governing Pre-implantation Conceptus Growth and Development.. *Biology of Reproduction*, **2008**, 78, 173-173	3.9	1
18	Differential expression of multiple anti-apoptotic proteins in epidermis of IGF-1 transgenic mice as revealed by 2-dimensional gel electrophoresis/mass spectrometry analysis. *Molecular Carcinogenesis*, **2007**, 46, 331-40	5	10
17	Preliminary radiation hybrid map for river buffalo chromosome 6 and comparison to bovine chromosome 3. *Animal Genetics*, **2007**, 38, 406-9	2.5	11
16	The contribution of transposable elements to Bos taurus gene structure. *Gene*, **2007**, 390, 180-9	3.8	24
15	A radiation hybrid map of river buffalo (Bubalus bubalis) chromosome 1 (BBU1). *Cytogenetic and Genome Research*, **2007**, 119, 100-4	1.9	13
14	Ionizing radiation-induced bioeffects in space and strategies to reduce cellular injury and carcinogenesis. *Aviation, Space, and Environmental Medicine*, **2007**, 78, A67-78		8
13	ATM controls c-Myc and DNA synthesis during postnatal thymocyte development through regulation of redox state. *Free Radical Biology and Medicine*, **2006**, 41, 640-8	7.8	15
12	Differential gene expression in epidermis of mice sensitive and resistant to phorbol ester skin tumor promotion. *Molecular Carcinogenesis*, **2005**, 44, 122-36	5	28
11	Alteration of Egr-1 mRNA during multistage carcinogenesis in mouse skin. *Molecular Carcinogenesis*, **2000**, 27, 247-51	5	22
10	Preparation of Metaphase Chromosomes for Cytogenetic Analysis **1998**, 229-238		
9	Development and initial characterization of a Bos taurus x B. gaurus interspecific hybrid backcross panel. *Journal of Heredity*, **1997**, 88, 373-9	2.4	21
8	A high resolution GBG-banded karyotype of the Atlantic bottlenose dolphin, Tursiops truncatus: generation of an ideogram, and NOR localization by fluorescence in situ hybridization. *Cytogenetic and Genome Research*, **1997**, 78, 6-11	1.9	6

7	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. *Genomics*, **1997**, 42, 146-51	4.3	11
6	Standardization of cattle karyotype nomenclature: report of the committee for the standardization of the cattle karyotype. *Cytogenetic and Genome Research*, **1996**, 74, 259-61	1.9	67
5	Chromosomal localization of the porcine skeletal muscle calpain gene. *Mammalian Genome*, **1996**, 7, 226-8	3.2	12
4	Structure and chromosomal location of the bovine gene for the heart muscle isoform of cytochrome c oxidase subunit VIII. *Mammalian Genome*, **1995**, 6, 118-22	3.2	11
3	Analysis of aphidicolin-induced chromosome fragility in the domestic pig (Sus scrofa). *Cytogenetic and Genome Research*, **1993**, 62, 110-6	1.9	19
2	Identification of aphidicolin-induced fragile sites in domestic pig chromosomes. *Genetics Selection Evolution*, **1991**, 23, S187	4.9	3
1	Chromosomes of Fish. *Advances in Veterinary Medicine*, **1990**, 34, 209-227		