Gary L Bennett

List of Publications by Year
in descending order

122 papers	4,467 citations	136950 32 h-index	110387 64 g-index
123 all docs	123 docs citations	123 times ranked	4084 citing authors

#	Article	IF	Citations
1	The Genome Sequence of Taurine Cattle: A Window to Ruminant Biology and Evolution. Science, 2009, 324, 522-528.	12.6	1,038
2	Bovine respiratory disease in feedlot cattle: Environmental, genetic, and economic factors. Journal of Animal Science, 2006, 84, 1999-2008.	0.5	316
3	A Comprehensive Genetic Map of the Cattle Genome Based on 3802 Microsatellites. Genome Research, 2004, 14, 1987-1998.	5.5	237
4	Selection and use of SNP markers for animal identification and paternity analysis in U.S. beef cattle. Mammalian Genome, 2002, 13, 272-281.	2.2	199
5	Genome-wide association study of growth in crossbred beef cattle12. Journal of Animal Science, 2010, 88, 837-848.	0.5	168
6	Integration of Ovulation Rate, Potential Embryonic Viability and Uterine Capacity into a Model of Litter Size in Swine. Journal of Animal Science, 1989, 67, 1230.	0.5	110
7	Sequence Evaluation of Four Pooled-Tissue Normalized Bovine cDNA Libraries and Construction of a Gene Index for Cattle. Genome Research, 2001, 11, 626-630.	5.5	98
8	Bovine respiratory disease in feedlot cattle: Phenotypic, environmental, and genetic correlations with growth, carcass, and longissimus muscle palatability traits1. Journal of Animal Science, 2007, 85, 1885-1892.	0.5	86
9	Influence of breed, heterozygosity, and disease incidence on estimates of variance components of respiratory disease in preweaned beef calves. Journal of Animal Science, 2005, 83, 1247-1261.	0.5	78
10	Technology, complexity and change in agricultural production systems. Renewable Agriculture and Food Systems, 2008, 23, 285-295.	1.8	78
11	Predicting breed composition using breed frequencies of 50,000 markers from the US Meat Animal Research Center 2,000 Bull Project1,2. Journal of Animal Science, 2011, 89, 1742-1750.	0.5	75
12	Genetic relationships between scrotal circumference and female reproductive traits1. Journal of Animal Science, 2003, 81, 395-401.	0.5	74
13	A physical map of the bovine genome. Genome Biology, 2007, 8, R165.	9.6	73
14	Genetic parameters for growth, puberty, and beef cow reproductive traits in a puberty selection experiment. New Zealand Journal of Agricultural Research, 2000, 43, 83-91.	1.6	72
15	Partial-genome evaluation of postweaning feed intake and efficiency of crossbred beef cattle1,2. Journal of Animal Science, 2011, 89, 1731-1741.	0.5	64
16	Initial results of genomic scans for ovulation rate in a cattle population selected for increased twinning rate.. Journal of Animal Science, 2000, 78, 3053.	0.5	60
17	Linkage mapping bovine EST-based SNP. BMC Genomics, 2005, 6, 74.	2.8	58
18	Comparison of molecular breeding values based on within- and across-breed training in beef cattle. Genetics Selection Evolution, 2013, 45, 30.	3.0	56

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19	Genetic and environmental parameters for ovulation rate, twinning rate, and weight traits in a cattle population selected for twinning.. Journal of Animal Science, 1997, 75, 1213.	0.5	51
20	Genetic (co)variances among birth weight, 200-day weight, and postweaning gain in composites and parental breeds of beef cattle.. Journal of Animal Science, 1996, 74, 2598.	0.5	50
21	Accuracy of genomic breeding values in multibreed beef cattle populations derived from deregressed breeding values and phenotypes1,2. Journal of Animal Science, 2012, 90, 4177-4190.	0.5	50
22	Comparative map alignment of BTA27 and HSA4 and 8 to identify conserved segments of genome containing fat deposition QTL. Mammalian Genome, 2000, 11, 682-688.	2.2	47
23	Genetic (co)variances for calving difficulty score in composite and parental populations of beef cattle: I. Calving difficulty score, birth weight, weaning weight, and postweaning gain.. Journal of Animal Science, 2001, 79, 45.	0.5	45
24	A computer model to predict the effects of level of nutrition on composition of empty body gain in beef cattle: I. Theory and development1. Journal of Animal Science, 1992, 70, 841-857.	0.5	43
25	Efficient computation of genotype probabilities for loci with many alleles: I. Allelic peeling.. Journal of Animal Science, 2001, 79, 26.	0.5	43
26	PHYSIOLOGY AND ENDOCRINOLOGY SYMPOSIUM: How single nucleotide polymorphism chips will advance our knowledge of factors controlling puberty and aid in selecting replacement beef females1,2,3,4. Journal of Animal Science, 2012, 90, 1152-1165.	0.5	43
27	Efficient computation of genotype probabilities for loci with many alleles: II. Iterative method for large, complex pedigrees.. Journal of Animal Science, 2001, 79, 34.	0.5	42
28	Association of bovine neonatal Fc receptor a-chain gene (FCGRT) haplotypes with serum IgG concentration in newborn calves. Mammalian Genome, 2002, 13, 704-710.	2.2	42
29	Chromosomal mapping and quantitative analysis of estrogen-related receptor alpha-1, estrogen receptors alpha and beta and progesterone receptor in the bovine mammary gland. Journal of Endocrinology, 2005, 185, 593-603.	2.6	42
30	Use of bovine EST data and human genomic sequences to map 100 gene-specific bovine markers. Mammalian Genome, 2002, 13, 211-215.	2.2	39
31	A survey of polymorphisms detected from sequences of popular beef breeds1,2,3. Journal of Animal Science, 2015, 93, 5128-5143.	0.5	36
32	Birth Weight, Dystocia and Calf Mortality in Some New Zealand Beef Breeding Herds. Journal of Animal Science, 1986, 62, 327-343.	0.5	35
33	Genetic and phenotypic parameter estimates for selection to improve lamb carcass traits. New Zealand Journal of Agricultural Research, 1992, 35, 287-298.	1.6	32
34	Assessing the association of single nucleotide polymorphisms at the thyroglobulin gene with carcass traits in beef cattle1,2. Journal of Animal Science, 2007, 85, 2807-2814.	0.5	32
35	Genetic (co)variances for calving difficulty score in composite and parental populations of beef cattle: II. Reproductive, skeletal, and carcass traits.. Journal of Animal Science, 2001, 79, 52.	0.5	31
36	Comparative mapping of BTA15 and HSA11 including a region containing a QTL for meat tenderness. Mammalian Genome, 2001, 12, 561-565.	2.2	31

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37	CAPN1, CAST, and DGAT1 genetic effects on preweaning performance, carcass quality traits, and residual variance of tenderness in a beef cattle population selected for haplotype and allele equalization1,2,3,4. Journal of Animal Science, 2014, 92, 5382-5393.	0.5	31
38	Effects of sire growth potential, growing-finishing strategy, and time on feed on performance, composition, and efficiency of steers.. Journal of Animal Science, 1999, 77, 2406.	0.5	27
39	Expected Relative Responses to Selection for Alternative Measures of Life Cycle Economic Efficiency of Pork Production. Journal of Animal Science, 1983, 56, 1306-1314.	0.5	26
40	Silage or limit-fed grain growing diets for steers: I. Growth and carcass quality.. Journal of Animal Science, 1995, 73, 2609.	0.5	26
41	µ-Calpain, calpastatin, and growth hormone receptor genetic effects on preweaning performance, carcass quality traits, and residual variance of tenderness in Angus cattle selected to increase minor haplotype and allele frequencies1,2,3. Journal of Animal Science, 2014, 92, 456-466.	0.5	24
42	The Incidence of Escherichia coli on Beef Carcasses and Its Association with Aerobic Mesophilic Plate Count Categories During the Slaughter Process€. Journal of Food Protection, 1998, 61, 1269-1274.	1.7	23
43	Genetic implications of a simulation model of litter size in swine based on ovulation rate, potential embryonic viability and uterine capacity: I. Genetic theory.. Journal of Animal Science, 1990, 68, 969-979.	0.5	22
44	Simulation of Breed and Crossbreeding Effects on Costs of Pork Production. Journal of Animal Science, 1983, 56, 801-813.	0.5	20
45	Genetic and environmental effects on carcass characteristics of Southdown × Romney lambs: II. Genetic and phenotypic variation. Journal of Animal Science, 1991, 69, 1864-1874.	0.5	20
46	Experimental selection for calving ease and postnatal growth in seven cattle populations. I. Changes in estimated breeding values1,2. Journal of Animal Science, 2008, 86, 2093-2102.	0.5	20
47	Application of a computer model to predict optimum slaughter end points for different biological types of feeder cattle.. Journal of Animal Science, 1995, 73, 2903.	0.5	19
48	Differential conservation of transcriptional domains of mammalian Prophet of Pit-1 proteins revealed by structural studies of the bovine gene and comparative functional analysis of the protein. Gene, 2002, 291, 211-221.	2.2	19
49	Genomics and the global beef cattle industry. Animal Production Science, 2012, 52, 92.	1.3	19
50	The change in differing leukocyte populations during vaccination to bovine respiratory disease and their correlations with lung scores, health records, and average daily gain1,2,3. Journal of Animal Science, 2013, 91, 3564-3573.	0.5	19
51	Effects of selection for divergent ultrasonic fat depth in rams on progeny fatness. Animal Science, 1988, 47, 379-386.	1.3	18
52	Experimental selection for calving ease and postnatal growth in seven cattle populations. II. Phenotypic differences1,2. Journal of Animal Science, 2008, 86, 2103-2114.	0.5	18
53	Selection for genetic markers in beef cattle reveals complex associations of thyroglobulin and casein1-s1 with carcass and meat traits1,2. Journal of Animal Science, 2013, 91, 565-571.	0.5	18
54	Using sheep genomes from diverse U.S. breeds to identify missense variants in genes affecting fecundity. F1000Research, 2017, 6, 1303.	1.6	18

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55	Simulated influence of postweaning production system on performance of different biological types of cattle: III. Biological efficiency. Journal of Animal Science, 1995, 73, 686-698.	0.5	17
56	A computer model to predict the effects of level of nutrition on composition of empty body gain in beef cattle: II. Evaluation of the model1. Journal of Animal Science, 1992, 70, 858-866.	0.5	16
57	Enhanced estimates of carcass and meat quality effects for polymorphisms in myostatin and µ-calpain genes1,2,3. Journal of Animal Science, 2019, 97, 569-577.	0.5	16
58	Genetic correlations among weight and cumulative productivity of crossbred beef cows1. Journal of Animal Science, 2019, 97, 63-77.	0.5	15
59	Integrating linkage and radiation hybrid mapping data for bovine chromosome 15. BMC Genomics, 2004, 5, 77.	2.8	14
60	A polymorphism in myostatin influences puberty but not fertility in beef heifers, whereas µ-calpain affects first calf birth weight1. Journal of Animal Science, 2015, 93, 117-126.	0.5	14
61	Simulated influence of postweaning production system on performance of different biological types of cattle: I. Estimation of model parameters. Journal of Animal Science, 1995, 73, 665-673.	0.5	13
62	Effect of sire breed (Southdown, Suffolk), sex, and growth path on carcass composition of crossbred lambs. New Zealand Journal of Agricultural Research, 1995, 38, 105-114.	1.6	13
63	A genomewide association study identified CYP2J2 as a gene controlling serum vitamin D status in beef cattle1,2. Journal of Animal Science, 2013, 91, 3549-3556.	0.5	13
64	Genetic implications of a simulation model of litter size in swine based on ovulation rate, potential embryonic viability and uterine capacity: II. Simulated selection.. Journal of Animal Science, 1990, 68, 980-986.	0.5	11
65	Genetic and environmental effects on carcass characteristics of Southdown × Romney lambs: I. Growth rate, sex, and rearing effects. Journal of Animal Science, 1991, 69, 1856-1863.	0.5	11
66	Consensus and comprehensive linkage maps of the bovine sex chromosomes. Animal Genetics, 2001, 32, 115-117.	1.7	11
67	Effectiveness of Progeny Test Index Selection for Field Performance of Strain-Cross Layers. Poultry Science, 1981, 60, 22-33.	3.4	10
68	Evaluation of four simulation models of cattle growth and body composition: Part II—Simulation and comparison with experimental growth data. Agricultural Systems, 1991, 36, 17-41.	6.1	10
69	Evaluation of four simulation models of cattle growth and body composition: Part I—Comparison and characterization of the models. Agricultural Systems, 1991, 35, 401-432.	6.1	9
70	Simulated influence of postweaning production system on performance of different biological types of cattle: II. Carcass composition, retail product, and quality. Journal of Animal Science, 1995, 73, 674-685.	0.5	9
71	Implications of genetic changes in body composition on beef production systems. Journal of Animal Science, 1994, 72, 2756-2763.	0.5	8
72	Reducing the period of data collection for intake and gain to improve response to selection for feed efficiency in beef cattle. Journal of Animal Science, 2018, 96, 854-866.	0.5	8

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73	Animal and plant factors which affect larkspur toxicosis in cattle: Sex, age, breed, and plant chemotype. Toxicon, 2019, 165, 31-39.	1.6	8
74	Sex-dependent differences for larkspur (*Delphinium barbeyi*) toxicosis in yearling Angus cattle1. Journal of Animal Science, 2019, 97, 1424-1432.	0.5	8
75	Rambouillet and Romanov reciprocal breed effects on survival and growth traits of F1 lambs and on reproductive traits of F1 ewes1. Journal of Animal Science, 2019, 97, 578-586.	0.5	8
76	Effect of excess zinc and iron on lamb carcass characteristics. New Zealand Journal of Agricultural Research, 1985, 28, 349-355.	1.6	7
77	Long-term selection for yearling weight or postweaning gain in Angus cattle. New Zealand Journal of Agricultural Research, 1990, 33, 49-61.	1.6	7
78	A simulation model including ovulation rate, potential embryonic viability, and uterine capacity to explain litter size in mice: I. Model development and implementation.. Journal of Animal Science, 1997, 75, 641.	0.5	7
79	An expanded comparative map of bovine chromosome 27 targeting dairy form QTL regions*. Animal Genetics, 2004, 35, 265-269.	1.7	7
80	Using simulation models to predict feed intake: Phenotypic and genetic relationships between observed and predicted values in cattle. Journal of Animal Science, 2006, 84, 1310-1316.	0.5	7
81	Periodic Rotational Crosses. I. Breed and Heterosis Utilization. Journal of Animal Science, 1987, 65, 1471-1476.	0.5	6
82	Mapping of seven bovine cytokine genes involved in T-lymphocyte growth, differentiation and immune response. Animal Genetics, 2000, 31, 406-408.	1.7	6
83	A note on the influence of breed and sire differences on iron and zinc concentration of lamb muscle. Animal Science, 1985, 41, 421-424.	1.3	5
84	Periodic Rotational Crosses. II. Optimizing Breed and Heterosis Use. Journal of Animal Science, 1987, 65, 1477-1486.	0.5	5
85	Predicting lean growth while accounting for correlated traits. Journal of Animal Science, 1992, 70, 51-56.	0.5	5
86	A simulation model including ovulation rate, potential embryonic viability, and uterine capacity to explain litter size in mice: II. Responses to alternative criteria of selection.. Journal of Animal Science, 1997, 75, 652.	0.5	5
87	DEVELOPMENT OF 47 NEW MICROSATELLITE MARKERS FROM A BTA6 LIBRARY. Animal Biotechnology, 2002, 13, 195-202.	1.5	5
88	Linkage disequilibrium among commonly genotyped SNP variants detected from bull sequence[,]. Animal Genetics, 2017, 48, 516-522.	1.7	5
89	Production performance of cows raised with different postweaning growth patterns. Translational Animal Science, 2021, 5, txab031.	1.1	5
90	Evaluation of Urea Space and Ultrasonic Measurement as Selection Criteria for Beef Animal Composition. Journal of Animal Science, 1982, 54, 553-558.	0.5	5

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91	Simulation of Heterosis Effects on Costs of Pork Production. Journal of Animal Science, 1983, 56, 792-800.	0.5	5
92	A model of litter size distribution in cattle.. Journal of Animal Science, 1998, 76, 1789.	0.5	4
93	Comprehensive linkage map of bovine chromosome 27. Animal Genetics, 2001, 32, 95-97.	1.7	4
94	High-resolution genetic map of bovine chromosome 29 through focused marker development. Cytogenetic and Genome Research, 2002, 96, 210-216.	1.1	4
95	The bovine type I iodothyronine deiodinase (DIO1) gene maps to chromosome 3. Animal Genetics, 2003, 34, 233-234.	1.7	4
96	197 Functional SNP associated with birth weight in independent populations identified with a permutation step added to GBLUP-GWAS. Journal of Animal Science, 2017, 95, 97-98.	0.5	4
97	Î¼-Calpain (CAPN1), calpastatin (CAST), and growth hormone receptor (GHR) genetic effects on Angus beef heifer performance traits and reproduction. Theriogenology, 2018, 113, 1-7.	2.1	4
98	The effect of alkaloid composition of larkspur (<i>Delphinium</i>) species on the intoxication of Angus heifers1. Journal of Animal Science, 2019, 97, 1415-1423.	0.5	4
99	A bovine CD18 signal peptide variant with increased binding activity to Mannheimia hemolytica leukotoxin. F1000Research, 2018, 7, 1985.	1.6	4
100	Chromosomal mapping of 65 microsatellites developed from microdissected BTA14 and BTA20 chromosome-specific genomic libraries. Animal Genetics, 2004, 35, 408-410.	1.7	3
101	Physical and linkage mapping of mammary-derived expressed sequence tags in cattle. Genomics, 2004, 83, 148-152.	2.9	3
102	Estimates of epistatic and pleiotropic effects of casein alpha s1 (CSN1S1) and thyroglobulin (TG) genetic markers on beef heifer performance traits enhanced by selection1234. Journal of Animal Science, 2016, 94, 920-926.	0.5	3
103	Use of Repeated Matings to Estimate Environmental and Genetic Trends and Effects of Relaxing Selection in a Selected Strain of Leghorn Chickens. Poultry Science, 1983, 62, 212-226.	3.4	2
104	Periodic Rotational Crosses. III. Sire-Breed Rotations with Overlapping Generations Among Dams. Journal of Animal Science, 1987, 65, 1487-1494.	0.5	2
105	Effect of average carcass fat concentration on correlations among lamb carcass measurements. Animal Science, 1988, 47, 369-377.	1.3	2
106	Comprehensive linkage map of bovine chromosome 11. Animal Genetics, 2001, 32, 92-94.	1.7	2
107	Consensus and comprehensive linkage maps of bovine chromosome 17. Animal Genetics, 2001, 32, 112-113.	1.7	2
108	Isolation, characterization and mapping of the bovine signal peptidase subunit 18 gene. Animal Genetics, 2001, 32, 232-233.	1.7	2

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109	Using Genomics to Measure Phenomics: Repeatability of Bull Prolificacy in Multiple-Bull Pastures. Agriculture (Switzerland), 2021, 11, 603.	3.1	2
110	Detection of bovine inflammatory cytokines IL-1β, IL-6, and TNF-α with a multiplex electrochemiluminescent assay platform. Veterinary Immunology and Immunopathology, 2021, 237, 110274.	1.2	2
111	Comparative mapping of BTA15 and HSA11 including a region containing a QTL for meat tenderness. Mammalian Genome, 2001, 012, 0561-0565.	2.2	2
112	Opportunities for Collaborative Phenotyping for Disease Resistance Traits in a Large Beef Cattle Resource Population. Developments in Biologicals, 2008, 132, 327-330.	0.5	2
113	Effects of the F94L Limousin associated myostatin gene marker on metabolic index in growing beef heifers. Applied Animal Science, 2020, 36, 851-856.	1.2	2
114	Path analysis and robust prediction of lamb carcass composition. Animal Production, 1989, 48, 139-148.	0.9	1
115	Rapid communication: Mapping of nine bovine microsatellite markers obtained from large insert genomic libraries.. Journal of Animal Science, 2000, 78, 2231.	0.5	1
116	Consensus and comprehensive linkage maps of bovine chromosome 25. Animal Genetics, 2001, 32, 114-115.	1.7	1
117	Eleven previously unreported dinucleotide microsatellite loci on bovine chromosome 19. Animal Genetics, 2003, 34, 236-237.	1.7	1
118	Mapping of bovine CEBPD gene to BTA14q15-17. Animal Genetics, 2003, 34, 470-471.	1.7	1
119	Genetic changes in beef cow traits following selection for calving ease. Translational Animal Science, 2021, 5, txab009.	1.1	1
120	Relationship of molecular breeding value for beef tenderness with heifer traits through weaning of their first calf. Theriogenology, 2021, 173, 128-132.	2.1	1
121	Magnitude of Diet Selection by Sheep Grazing Smooth Bromegrass. Journal of Animal Science, 1989, 67, 2106.	0.5	1
122	155 Repeatability of number of progeny born to bulls used in group mating of cows. Journal of Animal Science, 2017, 95, 76-76.	0.5	0