

Gary L Bennett

List of Publications by Year in descending order

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122
papers

4,467
citations

156536

32
h-index

124990

64
g-index

123
all docs

123
docs citations

123
times ranked

4438
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic changes in beef cow traits following selection for calving ease. <i>Translational Animal Science</i> , 2021, 5, txab009.	0.4	1
2	Production performance of cows raised with different postweaning growth patterns. <i>Translational Animal Science</i> , 2021, 5, txab031.	0.4	5
3	Using Genomics to Measure Phenomics: Repeatability of Bull Prolificacy in Multiple-Bull Pastures. <i>Agriculture (Switzerland)</i> , 2021, 11, 603.	1.4	2
4	Detection of bovine inflammatory cytokines IL-1 β , IL-6, and TNF- α with a multiplex electrochemiluminescent assay platform. <i>Veterinary Immunology and Immunopathology</i> , 2021, 237, 110274.	0.5	2
5	Relationship of molecular breeding value for beef tenderness with heifer traits through weaning of their first calf. <i>Theriogenology</i> , 2021, 173, 128-132.	0.9	1
6	Effects of the F94L Limousin associated myostatin gene marker on metabolic index in growing beef heifers. <i>Applied Animal Science</i> , 2020, 36, 851-856.	0.4	2
7	Animal and plant factors which affect larkspur toxicosis in cattle: Sex, age, breed, and plant chemotype. <i>Toxicon</i> , 2019, 165, 31-39.	0.8	8
8	Sex-dependent differences for larkspur (<i>Delphinium barbeyi</i>) toxicosis in yearling Angus cattle ¹ . <i>Journal of Animal Science</i> , 2019, 97, 1424-1432.	0.2	8
9	The effect of alkaloid composition of larkspur (<i>Delphinium</i>) species on the intoxication of Angus heifers ¹ . <i>Journal of Animal Science</i> , 2019, 97, 1415-1423.	0.2	4
10	Rambouillet and Romanov reciprocal breed effects on survival and growth traits of F1 lambs and on reproductive traits of F1 ewes ¹ . <i>Journal of Animal Science</i> , 2019, 97, 578-586.	0.2	8
11	Genetic correlations among weight and cumulative productivity of crossbred beef cows ¹ . <i>Journal of Animal Science</i> , 2019, 97, 63-77.	0.2	15
12	Enhanced estimates of carcass and meat quality effects for polymorphisms in myostatin and μ -calpain genes ^{1,2,3} . <i>Journal of Animal Science</i> , 2019, 97, 569-577.	0.2	16
13	β -Calpain (CAPN1), calpastatin (CAST), and growth hormone receptor (GHR) genetic effects on Angus beef heifer performance traits and reproduction. <i>Theriogenology</i> , 2018, 113, 1-7.	0.9	4
14	Reducing the period of data collection for intake and gain to improve response to selection for feed efficiency in beef cattle. <i>Journal of Animal Science</i> , 2018, 96, 854-866.	0.2	8
15	A bovine CD18 signal peptide variant with increased binding activity to <i>Mannheimia hemolytica</i> leukotoxin. <i>F1000Research</i> , 2018, 7, 1985.	0.8	4
16	Linkage disequilibrium among commonly genotyped SNP variants detected from bull sequence ^{sup} . <i>Animal Genetics</i> , 2017, 48, 516-522.	0.6	5
17	155 Repeatability of number of progeny born to bulls used in group mating of cows. <i>Journal of Animal Science</i> , 2017, 95, 76-76.	0.2	0
18	197 Functional SNP associated with birth weight in independent populations identified with a permutation step added to GBLUP-GWAS. <i>Journal of Animal Science</i> , 2017, 95, 97-98.	0.2	4

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19	Using sheep genomes from diverse U.S. breeds to identify missense variants in genes affecting fecundity. <i>F1000Research</i> , 2017, 6, 1303.	0.8	18
20	Estimates of epistatic and pleiotropic effects of casein alpha s1 (CSN1S1) and thyroglobulin (TG) genetic markers on beef heifer performance traits enhanced by selection ^{1,2,3,4} . <i>Journal of Animal Science</i> , 2016, 94, 920-926.	0.2	3
21	A polymorphism in myostatin influences puberty but not fertility in beef heifers, whereas $\hat{\mu}$ -calpain affects first calf birth weight ¹ . <i>Journal of Animal Science</i> , 2015, 93, 117-126.	0.2	14
22	A survey of polymorphisms detected from sequences of popular beef breeds ^{1,2,3} . <i>Journal of Animal Science</i> , 2015, 93, 5128-5143.	0.2	36
23	$\hat{\mu}$ -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 frequencies ^{1,2,3} . <i>Journal of Animal Science</i> , 2014, 92, 456-466.	0.2	24
24	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 equalization ^{1,2,3,4} . <i>Journal of Animal Science</i> , 2014, 92, 5382-5393.	0.2	31
25	Comparison of molecular breeding values based on within- and across-breed training in beef cattle. <i>Genetics Selection Evolution</i> , 2013, 45, 30.	1.2	56
26	A genomewide association study identified CYP2J2 as a gene controlling serum vitamin D status in beef cattle ^{1,2} . <i>Journal of Animal Science</i> , 2013, 91, 3549-3556.	0.2	13
27	The change in differing leukocyte populations during vaccination to bovine respiratory disease and their correlations with lung scores, health records, and average daily gain ^{1,2,3} . <i>Journal of Animal Science</i> , 2013, 91, 3564-3573.	0.2	19
28	Selection for genetic markers in beef cattle reveals complex associations of thyroglobulin and casein ^{1-s1} with carcass and meat traits ^{1,2} . <i>Journal of Animal Science</i> , 2013, 91, 565-571.	0.2	18
29	PHYSIOLOGY AND ENDOCRINOLOGY SYMPOSIUM: How single nucleotide polymorphism chips will advance our knowledge of factors controlling puberty and aid in selecting replacement beef females ^{1,2,3,4} . <i>Journal of Animal Science</i> , 2012, 90, 1152-1165.	0.2	43
30	Accuracy of genomic breeding values in multibreed beef cattle populations derived from deregressed breeding values and phenotypes ^{1,2} . <i>Journal of Animal Science</i> , 2012, 90, 4177-4190.	0.2	50
31	Genomics and the global beef cattle industry. <i>Animal Production Science</i> , 2012, 52, 92.	0.6	19
32	Predicting breed composition using breed frequencies of 50,000 markers from the US Meat Animal Research Center 2,000 Bull Project ^{1,2} . <i>Journal of Animal Science</i> , 2011, 89, 1742-1750.	0.2	75
33	Partial-genome evaluation of postweaning feed intake and efficiency of crossbred beef cattle ^{1,2} . <i>Journal of Animal Science</i> , 2011, 89, 1731-1741.	0.2	64
34	Genome-wide association study of growth in crossbred beef cattle ^{1,2} . <i>Journal of Animal Science</i> , 2010, 88, 837-848.	0.2	168
35	The Genome Sequence of Taurine Cattle: A Window to Ruminant Biology and Evolution. <i>Science</i> , 2009, 324, 522-528.	6.0	1,038
36	Technology, complexity and change in agricultural production systems. <i>Renewable Agriculture and Food Systems</i> , 2008, 23, 285-295.	0.8	78

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37	Experimental selection for calving ease and postnatal growth in seven cattle populations. I. Changes in estimated breeding values ^{1,2} . <i>Journal of Animal Science</i> , 2008, 86, 2093-2102.	0.2	20
38	Experimental selection for calving ease and postnatal growth in seven cattle populations. II. Phenotypic differences ^{1,2} . <i>Journal of Animal Science</i> , 2008, 86, 2103-2114.	0.2	18
39	Opportunities for Collaborative Phenotyping for Disease Resistance Traits in a Large Beef Cattle Resource Population. <i>Developments in Biologicals</i> , 2008, 132, 327-330.	0.4	2
40	A physical map of the bovine genome. <i>Genome Biology</i> , 2007, 8, R165.	13.9	73
41	Assessing the association of single nucleotide polymorphisms at the thyroglobulin gene with carcass traits in beef cattle ^{1,2} . <i>Journal of Animal Science</i> , 2007, 85, 2807-2814.	0.2	32
42	Bovine respiratory disease in feedlot cattle: Phenotypic, environmental, and genetic correlations with growth, carcass, and longissimus muscle palatability traits ¹ . <i>Journal of Animal Science</i> , 2007, 85, 1885-1892.	0.2	86
43	Using simulation models to predict feed intake: Phenotypic and genetic relationships between observed and predicted values in cattle. <i>Journal of Animal Science</i> , 2006, 84, 1310-1316.	0.2	7
44	Bovine respiratory disease in feedlot cattle: Environmental, genetic, and economic factors. <i>Journal of Animal Science</i> , 2006, 84, 1999-2008.	0.2	316
45	Linkage mapping bovine EST-based SNP. <i>BMC Genomics</i> , 2005, 6, 74.	1.2	58
46	Influence of breed, heterozygosity, and disease incidence on estimates of variance components of respiratory disease in preweaned beef calves. <i>Journal of Animal Science</i> , 2005, 83, 1247-1261.	0.2	78
47	Chromosomal mapping and quantitative analysis of estrogen-related receptor alpha-1, estrogen receptors alpha and beta and progesterone receptor in the bovine mammary gland. <i>Journal of Endocrinology</i> , 2005, 185, 593-603.	1.2	42
48	A Comprehensive Genetic Map of the Cattle Genome Based on 3802 Microsatellites. <i>Genome Research</i> , 2004, 14, 1987-1998.	2.4	237
49	An expanded comparative map of bovine chromosome 27 targeting dairy form QTL regions. <i>Animal Genetics</i> , 2004, 35, 265-269.	0.6	7
50	Chromosomal mapping of 65 microsatellites developed from microdissected BTA14 and BTA20 chromosome-specific genomic libraries. <i>Animal Genetics</i> , 2004, 35, 408-410.	0.6	3
51	Integrating linkage and radiation hybrid mapping data for bovine chromosome 15. <i>BMC Genomics</i> , 2004, 5, 77.	1.2	14
52	Physical and linkage mapping of mammary-derived expressed sequence tags in cattle. <i>Genomics</i> , 2004, 83, 148-152.	1.3	3
53	The bovine type I iodothyronine deiodinase (DIO1) gene maps to chromosome 3. <i>Animal Genetics</i> , 2003, 34, 233-234.	0.6	4
54	Eleven previously unreported dinucleotide microsatellite loci on bovine chromosome 19. <i>Animal Genetics</i> , 2003, 34, 236-237.	0.6	1

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55	Mapping of bovine CEBPD gene to BTA14q15-17. <i>Animal Genetics</i> , 2003, 34, 470-471.	0.6	1
56	Genetic relationships between scrotal circumference and female reproductive traits1. <i>Journal of Animal Science</i> , 2003, 81, 395-401.	0.2	74
57	High-resolution genetic map of bovine chromosome 29 through focused marker development. <i>Cytogenetic and Genome Research</i> , 2002, 96, 210-216.	0.6	4
58	DEVELOPMENT OF 47 NEW MICROSATELLITE MARKERS FROM A BTA6 LIBRARY. <i>Animal Biotechnology</i> , 2002, 13, 195-202.	0.7	5
59	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. <i>Gene</i> , 2002, 291, 211-221.	1.0	19
60	Use of bovine EST data and human genomic sequences to map 100 gene-specific bovine markers. <i>Mammalian Genome</i> , 2002, 13, 211-215.	1.0	39
61	Selection and use of SNP markers for animal identification and paternity analysis in U.S. beef cattle. <i>Mammalian Genome</i> , 2002, 13, 272-281.	1.0	199
62	Association of bovine neonatal Fc receptor a-chain gene (FCGRT) haplotypes with serum IgG concentration in newborn calves. <i>Mammalian Genome</i> , 2002, 13, 704-710.	1.0	42
63	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.. <i>Journal of Animal Science</i> , 2001, 79, 45.	0.2	45
64	Efficient computation of genotype probabilities for loci with many alleles: II. Iterative method for large, complex pedigrees.. <i>Journal of Animal Science</i> , 2001, 79, 34.	0.2	42
65	Genetic (co)variances for calving difficulty score in composite and parental populations of beef cattle: II. Reproductive, skeletal, and carcass traits.. <i>Journal of Animal Science</i> , 2001, 79, 52.	0.2	31
66	Efficient computation of genotype probabilities for loci with many alleles: I. Allelic peeling.. <i>Journal of Animal Science</i> , 2001, 79, 26.	0.2	43
67	Comparative mapping of BTA15 and HSA11 including a region containing a QTL for meat tenderness. <i>Mammalian Genome</i> , 2001, 12, 561-565.	1.0	31
68	Comprehensive linkage map of bovine chromosome 27. <i>Animal Genetics</i> , 2001, 32, 95-97.	0.6	4
69	Comprehensive linkage map of bovine chromosome 11. <i>Animal Genetics</i> , 2001, 32, 92-94.	0.6	2
70	Consensus and comprehensive linkage maps of bovine chromosome 17. <i>Animal Genetics</i> , 2001, 32, 112-113.	0.6	2
71	Consensus and comprehensive linkage maps of bovine chromosome 25. <i>Animal Genetics</i> , 2001, 32, 114-115.	0.6	1
72	Consensus and comprehensive linkage maps of the bovine sex chromosomes. <i>Animal Genetics</i> , 2001, 32, 115-117.	0.6	11

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73	Isolation, characterization and mapping of the bovine signal peptidase subunit 18 gene. <i>Animal Genetics</i> , 2001, 32, 232-233.	0.6	2
74	Sequence Evaluation of Four Pooled-Tissue Normalized Bovine cDNA Libraries and Construction of a Gene Index for Cattle. <i>Genome Research</i> , 2001, 11, 626-630.	2.4	98
75	Comparative mapping of BTA15 and HSA11 including a region containing a QTL for meat tenderness. , 2001, 12, 561.		2
76	Mapping of seven bovine cytokine genes involved in T-lymphocyte growth, differentiation and immune response. <i>Animal Genetics</i> , 2000, 31, 406-408.	0.6	6
77	Comparative map alignment of BTA27 and HSA4 and 8 to identify conserved segments of genome containing fat deposition QTL. <i>Mammalian Genome</i> , 2000, 11, 682-688.	1.0	47
78	Initial results of genomic scans for ovulation rate in a cattle population selected for increased twinning rate.. <i>Journal of Animal Science</i> , 2000, 78, 3053.	0.2	60
79	Rapid communication: Mapping of nine bovine microsatellite markers obtained from large insert genomic libraries.. <i>Journal of Animal Science</i> , 2000, 78, 2231.	0.2	1
80	Genetic parameters for growth, puberty, and beef cow reproductive traits in a puberty selection experiment. <i>New Zealand Journal of Agricultural Research</i> , 2000, 43, 83-91.	0.9	72
81	Effects of sire growth potential, growing-finishing strategy, and time on feed on performance, composition, and efficiency of steers.. <i>Journal of Animal Science</i> , 1999, 77, 2406.	0.2	27
82	The Incidence of Escherichia coli on Beef Carcasses and Its Association with Aerobic Mesophilic Plate Count Categories During the Slaughter Process. <i>Journal of Food Protection</i> , 1998, 61, 1269-1274.	0.8	23
83	A model of litter size distribution in cattle.. <i>Journal of Animal Science</i> , 1998, 76, 1789.	0.2	4
84	A simulation model including ovulation rate, potential embryonic viability, and uterine capacity to explain litter size in mice: I. Model development and implementation.. <i>Journal of Animal Science</i> , 1997, 75, 641.	0.2	7
85	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.. <i>Journal of Animal Science</i> , 1997, 75, 652.	0.2	5
86	Genetic and environmental parameters for ovulation rate, twinning rate, and weight traits in a cattle population selected for twinning.. <i>Journal of Animal Science</i> , 1997, 75, 1213.	0.2	51
87	Genetic (co)variances among birth weight, 200-day weight, and postweaning gain in composites and parental breeds of beef cattle.. <i>Journal of Animal Science</i> , 1996, 74, 2598.	0.2	50
88	Application of a computer model to predict optimum slaughter end points for different biological types of feeder cattle.. <i>Journal of Animal Science</i> , 1995, 73, 2903.	0.2	19
89	Simulated influence of postweaning production system on performance of different biological types of cattle: I. Estimation of model parameters. <i>Journal of Animal Science</i> , 1995, 73, 665-673.	0.2	13
90	Simulated influence of postweaning production system on performance of different biological types of cattle: III. Biological efficiency. <i>Journal of Animal Science</i> , 1995, 73, 686-698.	0.2	17

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91	Simulated influence of postweaning production system on performance of different biological types of cattle: II. Carcass composition, retail product, and quality. <i>Journal of Animal Science</i> , 1995, 73, 674-685.	0.2	9
92	Silage or limit-fed grain growing diets for steers: I. Growth and carcass quality.. <i>Journal of Animal Science</i> , 1995, 73, 2609.	0.2	26
93	Effect of sire breed (Southdown, Suffolk), sex, and growth path on carcass composition of crossbred lambs. <i>New Zealand Journal of Agricultural Research</i> , 1995, 38, 105-114.	0.9	13
94	Implications of genetic changes in body composition on beef production systems. <i>Journal of Animal Science</i> , 1994, 72, 2756-2763.	0.2	8
95	Genetic and phenotypic parameter estimates for selection to improve lamb carcass traits. <i>New Zealand Journal of Agricultural Research</i> , 1992, 35, 287-298.	0.9	32
96	Predicting lean growth while accounting for correlated traits. <i>Journal of Animal Science</i> , 1992, 70, 51-56.	0.2	5
97	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. <i>Journal of Animal Science</i> , 1992, 70, 858-866.	0.2	16
98	A computer model to predict the effects of level of nutrition on composition of empty body gain in beef cattle: I. Theory and development1. <i>Journal of Animal Science</i> , 1992, 70, 841-857.	0.2	43
99	Evaluation of four simulation models of cattle growth and body composition: Part I—Comparison and characterization of the models. <i>Agricultural Systems</i> , 1991, 35, 401-432.	3.2	9
100	Evaluation of four simulation models of cattle growth and body composition: Part II—Simulation and comparison with experimental growth data. <i>Agricultural Systems</i> , 1991, 36, 17-41.	3.2	10
101	Genetic and environmental effects on carcass characteristics of Southdown × Romney lambs: II. Genetic and phenotypic variation. <i>Journal of Animal Science</i> , 1991, 69, 1864-1874.	0.2	20
102	Genetic and environmental effects on carcass characteristics of Southdown × Romney lambs: I. Growth rate, sex, and rearing effects. <i>Journal of Animal Science</i> , 1991, 69, 1856-1863.	0.2	11
103	Genetic implications of a simulation model of litter size in swine based on ovulation rate, potential embryonic viability and uterine capacity: I. Genetic theory.. <i>Journal of Animal Science</i> , 1990, 68, 969-979.	0.2	22
104	Genetic implications of a simulation model of litter size in swine based on ovulation rate, potential embryonic viability and uterine capacity: II. Simulated selection.. <i>Journal of Animal Science</i> , 1990, 68, 980-986.	0.2	11
105	Long-term selection for yearling weight or postweaning gain in Angus cattle. <i>New Zealand Journal of Agricultural Research</i> , 1990, 33, 49-61.	0.9	7
106	Integration of Ovulation Rate, Potential Embryonic Viability and Uterine Capacity into a Model of Litter Size in Swine. <i>Journal of Animal Science</i> , 1989, 67, 1230.	0.2	110
107	Path analysis and robust prediction of lamb carcass composition. <i>Animal Production</i> , 1989, 48, 139-148.	1.0	1
108	Magnitude of Diet Selection by Sheep Grazing Smooth Brome grass. <i>Journal of Animal Science</i> , 1989, 67, 2106.	0.2	1

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109	Effect of average carcass fat concentration on correlations among lamb carcass measurements. <i>Animal Science</i> , 1988, 47, 369-377.	1.3	2
110	Effects of selection for divergent ultrasonic fat depth in rams on progeny fatness. <i>Animal Science</i> , 1988, 47, 379-386.	1.3	18
111	Periodic Rotational Crosses. I. Breed and Heterosis Utilization. <i>Journal of Animal Science</i> , 1987, 65, 1471-1476.	0.2	6
112	Periodic Rotational Crosses. II. Optimizing Breed and Heterosis Use. <i>Journal of Animal Science</i> , 1987, 65, 1477-1486.	0.2	5
113	Periodic Rotational Crosses. III. Sire-Breed Rotations with Overlapping Generations Among Dams. <i>Journal of Animal Science</i> , 1987, 65, 1487-1494.	0.2	2
114	Birth Weight, Dystocia and Calf Mortality in Some New Zealand Beef Breeding Herds. <i>Journal of Animal Science</i> , 1986, 62, 327-343.	0.2	35
115	Effect of excess zinc and iron on lamb carcass characteristics. <i>New Zealand Journal of Agricultural Research</i> , 1985, 28, 349-355.	0.9	7
116	A note on the influence of breed and sire differences on iron and zinc concentration of lamb muscle. <i>Animal Science</i> , 1985, 41, 421-424.	1.3	5
117	Use of Repeated Matings to Estimate Environmental and Genetic Trends and Effects of Relaxing Selection in a Selected Strain of Leghorn Chickens. <i>Poultry Science</i> , 1983, 62, 212-226.	1.5	2
118	Expected Relative Responses to Selection for Alternative Measures of Life Cycle Economic Efficiency of Pork Production. <i>Journal of Animal Science</i> , 1983, 56, 1306-1314.	0.2	26
119	Simulation of Breed and Crossbreeding Effects on Costs of Pork Production. <i>Journal of Animal Science</i> , 1983, 56, 801-813.	0.2	20
120	Simulation of Heterosis Effects on Costs of Pork Production. <i>Journal of Animal Science</i> , 1983, 56, 792-800.	0.2	5
121	Evaluation of Urea Space and Ultrasonic Measurement as Selection Criteria for Beef Animal Composition. <i>Journal of Animal Science</i> , 1982, 54, 553-558.	0.2	5
122	Effectiveness of Progeny Test Index Selection for Field Performance of Strain-Cross Layers. <i>Poultry Science</i> , 1981, 60, 22-33.	1.5	10