

Brad A Freking

List of Publications by Year in descending order

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77
papers

2,657
citations

201575

27
h-index

189801

50
g-index

77
all docs

77
docs citations

77
times ranked

2251
citing authors

#	ARTICLE	IF	CITATIONS
1	An Enhanced Linkage Map of the Sheep Genome Comprising More Than 1000 Loci. <i>Genome Research</i> , 2001, 11, 1275-1289.	2.4	198
2	Identification of the Single Base Change Causing the Callipyge Muscle Hypertrophy Phenotype, the Only Known Example of Polar Overdominance in Mammals. <i>Genome Research</i> , 2002, 12, 1496-1506.	2.4	195
3	A second-generation linkage map of the sheep genome. <i>Mammalian Genome</i> , 1998, 9, 204-209.	1.0	155
4	Annotation of the Affymetrix1 porcine genome microarray. <i>Animal Genetics</i> , 2006, 37, 423-424.	0.6	110
5	Prion gene sequence variation within diverse groups of U.S. sheep, beef cattle, and deer. <i>Mammalian Genome</i> , 2003, 14, 765-777.	1.0	104
6	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
7	Characterization of Conserved and Nonconserved Imprinted Genes in Swine1. <i>Biology of Reproduction</i> , 2009, 81, 906-920.	1.2	88
8	Porcine gene discovery by normalized cDNA-library sequencing and EST cluster assembly. <i>Mammalian Genome</i> , 2002, 13, 475-478.	1.0	87
9	Differences in placental structure during gestation associated with large and small pig fetuses1,2. <i>Journal of Animal Science</i> , 2007, 85, 3267-3275.	0.2	78
10	Number of fetuses and conceptus growth throughout gestation in lines of pigs selected for ovulation rate or uterine capacity1. <i>Journal of Animal Science</i> , 2007, 85, 2093-2103.	0.2	70
11	Evaluation of the ovine callipyge locus: I. Relative chromosomal position and gene action.. <i>Journal of Animal Science</i> , 1998, 76, 2062.	0.2	68
12	Divergent selection for heat loss in mice: I. Selection applied and direct response through fifteen generations.. <i>Journal of Animal Science</i> , 1997, 75, 1461.	0.2	64
13	Extensive genomic conservation of cattle microsatellite heterozygosity in sheep. <i>Animal Genetics</i> , 1997, 28, 274-290.	0.6	63
14	Single nucleotide polymorphism (SNP) discovery in porcine expressed genes. <i>Animal Genetics</i> , 2002, 33, 186-195.	0.6	62
15	Evaluation of the ovine callipyge locus: II. Genotypic effects on growth, slaughter, and carcass traits.. <i>Journal of Animal Science</i> , 1998, 76, 2549.	0.2	60
16	Divergent selection for heat loss in mice: II. Correlated responses in feed intake, body mass, body composition, and number born through fifteen generations.. <i>Journal of Animal Science</i> , 1997, 75, 1469.	0.2	56
17	A porcine BAC library with tenfold genome coverage: a resource for physical and genetic map integration. <i>Mammalian Genome</i> , 2001, 12, 472-474.	1.0	52
18	Microsatellite Evolution: Testing the Ascertainment Bias Hypothesis. <i>Journal of Molecular Evolution</i> , 1998, 46, 256-260.	0.8	48

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19	Evaluation of the ovine callipyge locus: III. genotypic effects on meat quality traits.. Journal of Animal Science, 1999, 77, 2336.	0.2	48
20	Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: IV. Survival, growth, and carcass traits of F1 lambs ^{1,2} . Journal of Animal Science, 2004, 82, 3144-3153.	0.2	45
21	Single nucleotide polymorphisms for pig identification and parentage exclusion. Animal Genetics, 2007, 38, 253-258.	0.6	45
22	Allelic variation in the erythropoietin receptor gene is associated with uterine capacity and litter size in swine*. Animal Genetics, 2005, 36, 97-103.	0.6	38
23	Abnormal postnatal maintenance of elevated DLK1 transcript levels in callipyge sheep. Mammalian Genome, 2005, 16, 171-183.	1.0	38
24	Differences in X-Chromosome Transcriptional Activity and Cholesterol Metabolism between Placentae from Swine Breeds from Asian and Western Origins. PLoS ONE, 2013, 8, e55345.	1.1	37
25	A novel first exon directs hormone-sensitive transcription of the pig prolactin receptor. Journal of Molecular Endocrinology, 2013, 51, 1-13.	1.1	34
26	Comparative mapping of BTA15 and HSA11 including a region containing a QTL for meat tenderness. Mammalian Genome, 2001, 12, 561-565.	1.0	31
27	Callipyge mutation affects gene expression in cis: A potential role for chromatin structure. Genome Research, 2006, 16, 340-346.	2.4	31
28	Relative calving date of first-calf heifers as related to production efficiency and subsequent reproductive performance.. Journal of Animal Science, 1990, 68, 1812.	0.2	29
29	Effect of empty uterine space on birth intervals and fetal and placental development in pigs. Animal Reproduction Science, 2011, 125, 158-164.	0.5	28
30	Interrelationships of heifer milk production and other biological traits with production efficiency to weaning. Journal of Animal Science, 1992, 70, 646-655.	0.2	27
31	Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: I. Effects of ram breed on productivity of ewes of two crossbred populations.. Journal of Animal Science, 2000, 78, 1422.	0.2	27
32	Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: II. Reproduction of F1 ewes in fall mating seasons ^{1,2} . Journal of Animal Science, 2004, 82, 1280-1289.	0.2	27
33	Molecular cloning and characterisation of heparanase mRNA in the porcine placenta throughout gestation. Reproduction, Fertility and Development, 2009, 21, 757.	0.1	27
34	Selection for uterine capacity improves lifetime productivity of sows. Animal Reproduction Science, 2016, 167, 16-21.	0.5	27
35	An integrated comparative map of the porcine X chromosome. Animal Genetics, 2002, 33, 178-185.	0.6	26
36	Evaluation of associations between prion haplotypes and growth, carcass, and meat quality traits in a Dorset × Romanov sheep population ^{1,2} . Journal of Animal Science, 2006, 84, 783-788.	0.2	26

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37	Relationship of neuropeptide FF receptors with pubertal maturation of gilts. <i>Biology of Reproduction</i> , 2017, 96, 617-634.	1.2	25
38	Evolution of the sheep industry and genetic research in the United States: opportunities for convergence in the twenty-first century. <i>Animal Genetics</i> , 2021, 52, 395-408.	0.6	24
39	Comparative genomics reveals tissue-specific regulation of prolactin receptor gene expression. <i>Journal of Molecular Endocrinology</i> , 2015, 54, 1-15.	1.1	23
40	Litter-of-origin trait effects on gilt development. <i>Journal of Animal Science</i> , 2016, 94, 96-105.	0.2	23
41	Genomic Organization and Genetic Mapping of the Bovine PREF-1 Gene. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 662-667.	1.0	22
42	Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: V. Reproduction of F1 ewes in spring mating seasons. <i>Journal of Animal Science</i> , 2005, 83, 2743-2751.	0.2	22
43	Comparative mapping of the ovine clpg locus. <i>Mammalian Genome</i> , 2000, 11, 871-876.	1.0	19
44	Effect of fetal size on fetal placental hyaluronan and hyaluronoglucosaminidases throughout gestation in the pig. <i>Animal Reproduction Science</i> , 2010, 118, 297-309.	0.5	19
45	Changes in fetal organ weights during gestation after selection for ovulation rate and uterine capacity in swine. <i>Journal of Animal Science</i> , 2006, 84, 2338-2345.	0.2	17
46	Conceptus development during blastocyst elongation in lines of pigs selected for increased uterine capacity or ovulation rate. <i>Journal of Animal Science</i> , 2008, 86, 2126-2134.	0.2	17
47	Age at puberty, ovulation rate, and uterine length of developing gilts fed two lysine and three metabolizable energy concentrations from 100 to 260 d of age. <i>Journal of Animal Science</i> , 2015, 93, 3521-3527.	0.2	16
48	Measures of the ovaries and uterus during development of gilts selected for differences in uterine capacity. <i>Journal of Animal Science</i> , 2014, 92, 2433-2439.	0.2	15
49	Allelic variation in the secreted folate binding protein gene is associated with uterine capacity in swine. <i>Journal of Animal Science</i> , 2005, 83, 1860-1867.	0.2	14
50	Ovine reference materials and assays for prion genetic testing. <i>BMC Veterinary Research</i> , 2010, 6, 23.	0.7	12
51	Contributions of the maternal uterine environment and piglet genotype on weaning survivability potential: I. Development of neonatal piglets after reciprocal embryo transfers between Meishan and White crossbred gilts. <i>Journal of Animal Science</i> , 2012, 90, 2181-2192.	0.2	11
52	Evaluation of Dorset, Finnsheep, Romanov, Texel, and Montadale breeds of sheep: III. Wool characteristics of F1 ewes. <i>Journal of Animal Science</i> , 2004, 82, 2293-2300.	0.2	10
53	Identification of SNPs and INDELS in swine transcribed sequences using short oligonucleotide microarrays. <i>BMC Genomics</i> , 2008, 9, 252.	1.2	10
54	The relationship of plasma urea nitrogen with growth traits and age at first estrus in gilts. <i>Journal of Animal Science</i> , 2013, 91, 3137-3142.	0.2	10

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55	Variation in the coding and 3' untranslated regions of the porcine prolactin receptor short form modifies protein expression and function. <i>Animal Genetics</i> , 2014, 45, 74-86.	0.6	10
56	Energy balance affects pulsatile secretion of luteinizing hormone from the adenohypophysis and expression of neurokinin B in the hypothalamus of ovariectomized gilts. <i>Biology of Reproduction</i> , 2018, 99, 433-445.	1.2	9
57	Intrauterine position and adjacent fetal sex affects fetal and placental growth throughout gestation, but not embryonic viability, in pigs selected for component traits of litter size. <i>Animal Reproduction Science</i> , 2019, 209, 106139.	0.5	9
58	Contributions of the maternal uterine environment and piglet genotype on weaning survivability potential: II. Piglet growth, lactation performance, milk composition, and piglet blood profiles during lactation following reciprocal embryo transfers between Meishan and White crossbred gilts. <i>Journal of Animal Science</i> , 2015, 93, 1555-1564.	0.2	8
59	Rambouillet and Romanov reciprocal breed effects on survival and growth traits of F1 lambs and on reproductive traits of F1 ewes. <i>Journal of Animal Science</i> , 2019, 97, 578-586.	0.2	8
60	Association of Porcine Heparanase and Hyaluronidase 1 and 2 with Reproductive and Production Traits in a Landrace "Duroc" Yorkshire Population. <i>Frontiers in Genetics</i> , 2011, 2, 20.	1.1	7
61	Evaluation of the ovine callipyge locus: IV. Genotypic effects on reproductive traits. <i>Journal of Animal Science</i> , 2006, 84, 311-316.	0.2	5
62	Boar sperm quality in lines of pigs selected for either ovulation rate or uterine capacity. <i>Journal of Animal Science</i> , 2012, 90, 2515-2523.	0.2	5
63	Plasma concentrations of acyl-ghrelin are associated with average daily gain and feeding behavior in grow-finish pigs. <i>Domestic Animal Endocrinology</i> , 2016, 55, 107-113.	0.8	5
64	Genetic and nongenetic factors influencing ewe prolificacy and lamb body weight in a closed Romanov flock. <i>Journal of Animal Science</i> , 2020, 98, .	0.2	5
65	Effect of TMEM154 E35K variant (haplotypes 1 and 3) on the incidence of ovine lentivirus infection and ewe productivity during lifetime exposure. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	5
66	Comparison of performance of F1 Romanov crossbred ewes with wool and hair breeds during spring lambing under intensive and extensive production systems. <i>Journal of Animal Science</i> , 2021, 99, .	0.2	5
67	Chromosomal assignment by linkage of 19 unassigned bovine microsatellites using ovine reference populations. <i>Animal Genetics</i> , 1998, 29, 150-1.	0.6	4
68	Assignment of 12 genes to porcine chromosome 1 by linkage and radiation hybrid mapping. <i>Animal Genetics</i> , 2005, 36, 051006062228007-???	0.6	3
69	Effects and interactions of myostatin and callipyge mutations: I. Growth and carcass traits. <i>Journal of Animal Science</i> , 2018, 96, 454-461.	0.2	3
70	Development of Cell Lines from the Sheep Used to Construct the CHORI-243 Ovine BAC Library. <i>Animal Biotechnology</i> , 2008, 19, 84-88.	0.7	2
71	Comparative mapping of BTA15 and HSA11 including a region containing a QTL for meat tenderness. , 2001, 12, 561.		2
72	Development, selection criteria, and performance of Composite IV sheep at the U.S. Meat Animal Research Center. <i>Translational Animal Science</i> , 2020, 4, S150-S154.	0.4	2

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73	Boar sperm quality in lines of pigs selected for either ovulation rate or uterine capacity. Journal of Animal Science, 2012, 90, 2515-2523.	0.2	2
74	256 LINES OF PIGS SELECTED FOR COMPONENT TRAITS OF LITTER SIZE EXHIBIT DIFFERENTIAL GENE REGULATION AT THE ONSET OF EMBRYO (TROPHECTODERM) ELONGATION. Reproduction, Fertility and Development, 2006, 18, 235.	0.1	1
75	Comparison of performance of F1 Romanov crossbred ewes with wool and hair breeds during fall lambing and body weight and longevity through six production years. Journal of Animal Science, 2021, 99, .	0.2	1
76	Placental Hyaluronidase Expression during Gestation in Swine.. Biology of Reproduction, 2008, 78, 217-218.	1.2	0
77	148 PIGLET GROWTH AND BLOOD COMPONENTS DURING LACTATION FOLLOWING RECIPROCAL EMBRYO TRANSFER BETWEEN MEISHAN AND WHITE CROSSBRED GILTS. Reproduction, Fertility and Development, 2011, 23, 177.	0.1	0