Eduardo Casas

List of Publications by Year
in descending order

86 papers	3,560 citations	172443 29 h-index	138468 58 g-index
86 all docs	86 docs citations	86 times ranked	2634 citing authors

#	Article	IF	Citations
1	Coordinated international action to accelerate genome-to-phenome with FAANG, the Functional Annotation of Animal Genomes project. Genome Biology, 2015, 16, 57.	8.8	331
2	Quantitative trait loci affecting growth and carcass composition of cattle segregating alternate forms of myostatin.. Journal of Animal Science, 2000, 78, 560.	0.5	221
3	Detection of quantitative trait loci for growth and carcass composition in cattle1,2. Journal of Animal Science, 2003, 81, 2976-2983.	0.5	204
4	Evaluation of single-nucleotide polymorphisms in CAPN1 for association with meat tenderness in cattle1,2. Journal of Animal Science, 2002, 80, 3077-3085.	0.5	203
5	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
6	Effects of calpastatin and Î¼-calpain markers in beef cattle on tenderness traits1,2. Journal of Animal Science, 2006, 84, 520-525.	0.5	197
7	A new single nucleotide polymorphism in CAPN1 extends the current tenderness marker test to include cattle of Bos indicus, Bos taurus, and crossbred descent1. Journal of Animal Science, 2005, 83, 2001-2008.	0.5	157
8	Assessment of single nucleotide polymorphisms in genes residing on chromosomes 14 and 29 for association with carcass composition traits in Bos indicus cattle1,2. Journal of Animal Science, 2005, 83, 13-19.	0.5	148
9	Association of markers in the bovine CAPN1 gene with meat tenderness in large crossbred populations that sample influential industry sires1,2. Journal of Animal Science, 2004, 82, 3474-3481.	0.5	125
10	Association of the muscle hypertrophy locus with carcass traits in beef cattle.. Journal of Animal Science, 1998, 76, 468.	0.5	108
11	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
12	Evaluation in beef cattle of six deoxyribonucleic acid markers developed for dairy traits reveals an osteopontin polymorphism associated with postweaning growth. Journal of Animal Science, 2007, 85, 1-10.	0.5	81
13	A comprehensive search for quantitative trait loci affecting growth and carcass composition of cattle segregating alternative forms of the myostatin gene.. Journal of Animal Science, 2001, 79, 854.	0.5	72
14	Bovine CAPN1 maps to a region of BTA29 containing a quantitative trait locus for meat tenderness.. Journal of Animal Science, 2000, 78, 2589.	0.5	70
15	Identification of quantitative trait loci for growth and carcass composition in cattle¹. Animal Genetics, 2004, 35, 2-6.	1.7	59
16	Linkage mapping bovine EST-based SNP. BMC Genomics, 2005, 6, 74.	2.8	58
17	The effects of Piedmontese inheritance and myostatin genotype on the palatability of longissimus thoracis, gluteus medius, semimembranosus, and biceps femoris.. Journal of Animal Science, 2001, 79, 3069.	0.5	52
18	Quantitative analysis of birth, weaning, and yearling weights and calving difficulty in Piedmontese crossbreds segregating an inactive myostatin allele.. Journal of Animal Science, 1999, 77, 1686.	0.5	50

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19	Relationship of growth hormone and insulin-like growth factor-1 genotypes with growth and carcass traits in swine. Animal Genetics, 1997, 28, 88-93.	1.7	46
20	Association of myostatin on early calf mortality, growth, and carcass composition traits in crossbred cattle1,2. Journal of Animal Science, 2004, 82, 2913-2918.	0.5	46
21	Prevalence of the prion protein gene E211K variant in U.S. cattle. BMC Veterinary Research, 2008, 4, 25.	1.9	46
22	Putative quantitative trait loci associated with the probability of contracting infectious bovine keratoconjunctivitis1,2. Journal of Animal Science, 2006, 84, 3180-3184.	0.5	43
23	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
24	QTL affecting body weight in a candidate region of cattle chromosome 5. Genetics and Molecular Biology, 2003, 26, 259-265.	1.3	39
25	Association of a single nucleotide polymorphism in SPP1 with growth traits and twinning in a cattle population selected for twinning rate1,2. Journal of Animal Science, 2007, 85, 341-347.	0.5	39
26	Mapping genomic regions associated with growth rate in pigs.. Journal of Animal Science, 1997, 75, 2047.	0.5	37
27	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
28	Effect of bovine respiratory disease and overall pathogenic disease incidence on carcass traits1,2. Journal of Animal Science, 2010, 88, 491-496.	0.5	32
29	Identification of genetic markers for fat deposition and meat tenderness on bovine chromosome 5: Development of a low-density single nucleotide polymorphism map1,2. Journal of Animal Science, 2005, 83, 2280-2288.	0.5	31
30	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
31	Birth and weaning traits in crossbred cattle from Hereford, Angus, Brahman, Boran, Tuli, and Belgian Blue sires12. Journal of Animal Science, 2011, 89, 979-987.	0.5	28
32	A Review of Selected Genes with Known Effects on Performance and Health of Cattle. Frontiers in Veterinary Science, 2016, 3, 113.	2.2	27
33	Doubleâ€strand DNA conformation polymorphisms as a source of highly polymorphic genetic markers. Animal Genetics, 1993, 24, 155-161.	1.7	25
34	Postweaning growth and carcass traits in crossbred cattle from Hereford, Angus, Brangus, Beefmaster, Bonsmara, and Romosinuano maternal grandsires1,2. Journal of Animal Science, 2010, 88, 102-108.	0.5	25
35	Relationship of polymorphisms within metabolic genes and carcass traits in crossbred beef cattle1,2,3. Journal of Animal Science, 2012, 90, 1311-1316.	0.5	25
36	Loci on Bos taurus chromosome 2 and Bos taurus chromosome 26 are linked with bovine respiratory disease and associated with persistent infection of bovine viral diarrhea virus1. Journal of Animal Science, 2011, 89, 907-915.	0.5	24

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37	Âµ-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
38	Characterization of circulating transfer RNA-derived RNA fragments in cattle. Frontiers in Genetics, 2015, 6, 271.	2.3	23
39	Circulating MicroRNAs in Serum from Cattle Challenged with Bovine Viral Diarrhea Virusâ€¡. Frontiers in Genetics, 2017, 8, 91.	2.3	23
40	Growth and pubertal development of F1 bulls from Hereford, Angus, Norwegian Red, Swedish Red and White, Friesian, and Wagyu sires1,2. Journal of Animal Science, 2007, 85, 2904-2909.	0.5	22
41	Seasonal variation in vitamin D status of beef cattle reared in the central United States. Domestic Animal Endocrinology, 2015, 52, 71-74.	1.6	21
42	Technical note: direct genotyping of the double-muscling locus (mh) in Piedmontese and Belgian Blue cattle by fluorescent PCR.. Journal of Animal Science, 1999, 77, 2028.	0.5	20
43	Quantitative trait loci for male reproductive traits in beef cattle. Animal Genetics, 2004, 35, 451-453.	1.7	20
44	A putative quantitative trait locus on chromosome 20 associated with bovine pathogenic disease incidence1,2. Journal of Animal Science, 2008, 86, 2455-2460.	0.5	18
45	Opportunities and challenges from the use of genomic selection for beef cattle breeding in Latin America. Animal Frontiers, 2012, 2, 23-29.	1.7	18
46	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
47	Association of MicroRNAs with Antibody Response to Mycoplasma bovis in Beef Cattle. PLoS ONE, 2016, 11, e0161651.	2.5	17
48	A genomeâ€wide association study for the incidence of persistent bovine viral diarrhea virus infection in cattle. Animal Genetics, 2015, 46, 8-15.	1.7	16
49	The effect of pegylated granulocyte colony-stimulating factor treatment prior to experimental mastitis in lactating Holsteins. Journal of Dairy Science, 2018, 101, 8182-8193.	3.4	16
50	Enhanced estimates of carcass and meat quality effects for polymorphisms in myostatin and Âµ-calpain genes1,2,3. Journal of Animal Science, 2019, 97, 569-577.	0.5	16
51	Multivariate analysis as a method to evaluate antigenic relationships between BVDV vaccine and field strains. Vaccine, 2020, 38, 5764-5772.	3.8	15
52	Novel genes involved in the genetic architecture of temperament in Brahman cattle. PLoS ONE, 2020, 15, e0237825.	2.5	14
53	Theory and Application of Genome-Based Approaches to Improve the Quality and Value of Beef. Outlook on Agriculture, 2003, 32, 253-265.	3.4	13
54	Association of single nucleotide polymorphisms in the ANKRA2 and CD180 genes with bovine respiratory disease and presence of Mycobacterium avium subsp. paratuberculosis1. Animal Genetics, 2011, 42, 571-577.	1.7	13

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55	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
56	Polymorphisms in calpastatin and muâ€calpain genes are associated with beef iron content. Animal Genetics, 2014, 45, 283-284.	1.7	13
57	Evaluation of Different Amplification Protocols for Use in Primer-Extension Preamplification. BioTechniques, 1996, 20, 219-225.	1.8	12
58	Birth and weaning traits in crossbred cattle from Hereford, Angus, Norwegian Red, Swedish Red and White, Wagyu, and Friesian sires1,2. Journal of Animal Science, 2012, 90, 2916-2920.	0.5	12
59	Association of Transfer RNA Fragments in White Blood Cells With Antibody Response to Bovine Leukemia Virus in Holstein Cattle. Frontiers in Genetics, 2018, 9, 236.	2.3	12
60	Case report: characterization of a persistent, treatment-resistant, novel Staphylococcus aureus infection causing chronic mastitis in a Holstein dairy cow. BMC Veterinary Research, 2020, 16, 336.	1.9	12
61	MicroRNA profiles of dry secretions through the first three weeks of the dry period from Holstein cows. Scientific Reports, 2019, 9, 19658.	3.3	10
62	Markers on Bovine Chromosome 20 Associated with Carcass Quality and Composition Traits and Incidence of Contracting Infectious Bovine Keratoconjunctivitis. Animal Biotechnology, 2010, 21, 188-202.	1.5	9
63	Analysis of tRNA halves (tsRNAs) in serum from cattle challenged with bovine viral diarrhea virus. Genetics and Molecular Biology, 2019, 42, 374-379.	1.3	9
64	Bovine NK-lysin peptides exert potent antimicrobial activity against multidrug-resistant Salmonella outbreak isolates. Scientific Reports, 2021, 11, 19276.	3.3	8
65	Measuring CMI responses using the PrimeFlow RNA assay: A new method of evaluating BVDV vaccination response in cattle. Veterinary Immunology and Immunopathology, 2020, 221, 110024.	1.2	7
66	Fine Mapping of Loci on BTA2 and BTA26 Associated with Bovine Viral Diarrhea Persistent Infection and Linked with Bovine Respiratory Disease in Cattle. Frontiers in Genetics, 2011, 2, 82.	2.3	6
67	Frequency of bovine viral diarrhea virus detected in subpopulations of peripheral blood mononuclear cells in persistently infected animals and health outcome. Veterinary Immunology and Immunopathology, 2019, 207, 46-52.	1.2	6
68	Expression of Viral microRNAs in Serum and White Blood Cells of Cows Exposed to Bovine Leukemia Virus. Frontiers in Veterinary Science, 2020, 7, 536390.	2.2	6
69	High-impact animal health research conducted at the USDA's National Animal Disease Center. Veterinary Microbiology, 2013, 165, 224-233.	1.9	5
70	Protection against Mycoplasma bovis infection in calves following intranasal vaccination with modified-live Mannheimia haemolytica expressing Mycoplasma antigens. Microbial Pathogenesis, 2021, 161, 105159.	2.9	5
71	Bovine NK-lysin-derived peptides have bactericidal effects against Mycobacterium avium subspecies paratuberculosis. Veterinary Research, 2021, 52, 11.	3.0	5
72	Use of multivariate analysis to evaluate antigenic relationships between US BVDV vaccine strains and non-US genetically divergent isolates. Journal of Virological Methods, 2022, 299, 114328.	2.1	5

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73	Exogenous Vitamin D3 Modulates Response of Bovine Macrophages to Mycobacterium avium subsp. paratuberculosis Infection and Is Dependent Upon Stage of Johneâ€™s Disease. Frontiers in Cellular and Infection Microbiology, 2021, 11, 773938.	3.9	5
74	Comprehensive linkage map of bovine chromosome 27. Animal Genetics, 2001, 32, 95-97.	1.7	4
75	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
76	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
77	Association of Circulating Transfer RNA fragments with antibody response to Mycoplasma bovis in beef cattle. BMC Veterinary Research, 2018, 14, 89.	1.9	3
78	Comparative study of antibacterial activity and stability of D-enantiomeric and L-enantiomeric bovine NK-lysin peptide NK2A. Biochemical and Biophysical Research Communications, 2022, 595, 76-81.	2.1	3
79	Comprehensive linkage map of bovine chromosome 11. Animal Genetics, 2001, 32, 92-94.	1.7	2
80	Effect of Holstein genotype on immune response to an intramammary Escherichia coli challenge. Journal of Dairy Science, 2022, 105, 5435-5448.	3.4	2
81	Differential Susceptibility of Bighorn Sheep (Ovis canadensis) and Domestic Sheep (Ovis) Tj ETQq1 1 0.784314 rgBT /Overl Expression of Cell Surface CD18. Journal of Wildlife Diseases, 2017, 53, 625-629.	0.8	1
82	303 Identification of candidate genes related to temperament in Brahman cattle. Journal of Animal Science, 2019, 97, 2-3.	0.5	1
83	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
84	Genome Sequence of a Staphylococcus aureus Strain Isolated from a Dairy Cow That Was Nonresponsive to Antibiotic Treatment. Microbiology Resource Announcements, 2020, 9, .	0.6	1
85	Quantitative Genomics of Male Reproduction. , 2010, , 53-66.		0
86	PSVIII-30 Relationship of molecular breeding value for beef tenderness on heifer traits through weaning their first calf. Journal of Animal Science, 2019, 97, 266-267.	0.5	0