

# Jesus Piedrafita

## List of Publications by Year in descending order

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74  
papers

1,538  
citations

279701

23  
h-index

345118

36  
g-index

76  
all docs

76  
docs citations

76  
times ranked

1564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pedigree analysis of eight Spanish beef cattle breeds. <i>Genetics Selection Evolution</i> , 2003, 35, 43-63.	1.2	153
2	Carcass quality of 10 beef cattle breeds of the Southwest of Europe in their typical production systems. <i>Livestock Science</i> , 2003, 82, 1-13.	1.2	89
3	The effect of breed-production systems on the myosin heavy chain 1, the biochemical characteristics and the colour variables of <i>Longissimus thoracis</i> from seven Spanish beef cattle breeds. <i>Meat Science</i> , 2001, 58, 181-188.	2.7	67
4	Eating quality of young bulls from three Spanish beef breed-production systems and its relationships with chemical and instrumental meat quality. <i>Meat Science</i> , 2008, 79, 98-104.	2.7	62
5	Analysis of founder-specific inbreeding depression on birth weight in Ripollesa lambs <sup>1</sup> . <i>Journal of Animal Science</i> , 2009, 87, 72-79.	0.2	61
6	The effects of sepiolite in broiler chicken diets of high, medium and low viscosity. Productive performance and nutritive value. <i>Animal Feed Science and Technology</i> , 2000, 85, 183-194.	1.1	59
7	Structural characterisation and typology of beef cattle farms of Spanish wooded rangelands (dehesas). <i>Livestock Science</i> , 2006, 99, 197-209.	0.6	58
8	Characterisation of young bulls of the Bruna dels Pirineus cattle breed (selected from old Brown) Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 4	2.7	52
9	Evaluation of serum cortisol, metabolic parameters, acute phase proteins and faecal corticosterone as indicators of stress in cows. <i>Veterinary Journal</i> , 2008, 177, 439-441.	0.6	48
10	Factors affecting longevity in maternal Duroc swine lines. <i>Livestock Science</i> , 2006, 100, 121-131.	0.6	47
11	Fatty acid profiles in three stress genotypes of swine and relationships with performance, carcass and meat quality traits. <i>Meat Science</i> , 2001, 57, 71-77.	2.7	45
12	Effect of muscular hypertrophy on physico-chemical, biochemical and texture traits of meat from yearling bulls. <i>Meat Science</i> , 2004, 68, 567-575.	2.7	42
13	Bayesian analysis of parent-specific transmission ratio distortion in seven Spanish beef cattle breeds. <i>Animal Genetics</i> , 2017, 48, 93-96.	0.6	42
14	Genetic and environmental factors influencing mortality up to weaning of Bruna dels Pirineus beef calves in mountain areas. A survival analysis <sup>1</sup> . <i>Journal of Animal Science</i> , 2005, 83, 543-551.	0.2	41
15	Genetic diversity and divergence among Spanish beef cattle breeds assessed by a bovine high-density SNP chip <sup>1</sup> . <i>Journal of Animal Science</i> , 2015, 93, 5164-5174.	0.2	40
16	Proteomic analysis reveals oxidative stress response as the main adaptative physiological mechanism in cows under different production systems. <i>Journal of Proteomics</i> , 2012, 75, 4399-4411.	1.2	34
17	Survival analysis from birth to slaughter of Ripollesa lambs under semi-intensive management <sup>1</sup> . <i>Journal of Animal Science</i> , 2007, 85, 512-517.	0.2	33
18	Comparative F Statistics Analysis of the Genetic Structure of Ten Spanish Dog Breeds. <i>Journal of Heredity</i> , 1992, 83, 367-374.	1.0	28

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19	Maternal animal model with correlation between maternal environmental effects of related dams. Journal of Animal Science, 1999, 77, 2904.	0.2	28
20	Viability of Iberian $\tilde{\text{A}}$ – Meishan F2 newborn pigs. II. Survival analysis up to weaning. Journal of Animal Science, 2004, 82, 1925-1930.	0.2	26
21	Association analyses between the prion protein locus and reproductive and lamb weight traits in Ripollesa sheep. Journal of Animal Science, 2007, 85, 592-597.	0.2	24
22	On the performance of tests for the detection of signatures of selection: a case study with the Spanish autochthonous beef cattle populations. Genetics Selection Evolution, 2016, 48, 81.	1.2	24
23	Validation of an approximate approach to compute genetic correlations between longevity and linear traits. Genetics Selection Evolution, 2006, 38, 65.	1.2	23
24	Monitoring changes in the demographic and genealogical structure of the main Spanish local beef breeds. Journal of Animal Science, 2014, 92, 4364-4374.	0.2	23
25	Morphological analysis and subpopulation characterization of Ripollesa sheep breed. Animal Genetic Resources = Ressources Genetiques Animales = Recursos Geneticos Animales, 2011, 49, 9-17.	0.2	22
26	Resistance to hyperosmotic stress in boar spermatozoa: the role of the ionic pumps and the relationship with cryosurvival. Animal Reproduction Science, 1997, 48, 301-315.	0.5	19
27	Viability of Iberian $\tilde{\text{A}}$ – Meishan F2 newborn pigs. I. Analysis of physiological and vitality variables. Journal of Animal Science, 2004, 82, 1919-1924.	0.2	18
28	The rate of L-lactate production: a feasible parameter for the fresh diluted boar semen quality analysis. Animal Reproduction Science, 1996, 43, 161-172.	0.5	17
29	Effect of column filtration upon the quality parameters of fresh dog semen. Theriogenology, 1998, 50, 1171-1189.	0.9	17
30	Foraging Behavior of Alberes Cattle in a Mediterranean Forest Ecosystem. Rangeland Ecology and Management, 2011, 64, 319-324.	1.1	17
31	Genetic diversity measures of the bovine Alberes breed using microsatellites: variability among herds and types of coat colour*. Journal of Animal Breeding and Genetics, 2004, 121, 101-110.	0.8	16
32	Analysis of litter size and days to lambing in the Ripollesa ewe. I. Comparison of models with linear and threshold approaches. Journal of Animal Science, 2007, 85, 618-624.	0.2	14
33	Effect of medium- and long-chain triglyceride supplementation on small newborn-pig survival. Preventive Veterinary Medicine, 2005, 67, 213-221.	0.7	13
34	Parametric bootstrap for testing model fitting in the proportional hazards framework: An application to the survival analysis of Bruna dels Pirineus beef calves. Journal of Animal Science, 2006, 84, 2609-2616.	0.2	13
35	Linkage disequilibrium, persistence of phase, and effective population size in Spanish local beef cattle breeds assessed through a high-density single nucleotide polymorphism chip. Journal of Animal Science, 2016, 94, 2779-2788.	0.2	13
36	Effects of breed $\times$ production system on collagen, textural, and sensory traits of 10 European beef cattle breeds. Journal of Texture Studies, 2018, 49, 528-535.	1.1	13

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37	Factors influencing length of productive life and replacement rates in the Bruna dels Pirineus beef breed. <i>Animal Science</i> , 2004, 78, 13-22.	1.3	11
38	Genetic determinism for within-litter birth weight variation and its relationship with litter weight and litter size in the Ripollesa ewe breed. <i>Animal</i> , 2007, 1, 637-644.	1.3	10
39	Analysis of litter size and days to lambing in the Ripollesa ewe. II. Estimation of variance components and response to phenotypic selection on litter size1. <i>Journal of Animal Science</i> , 2007, 85, 625-631.	0.2	9
40	Backfat thickness and longissimus dorsi real-time ultrasound measurements in light lambs1. <i>Journal of Animal Science</i> , 2012, 90, 5047-5055.	0.2	9
41	Accuracy and expected genetic gain under genetic or genomic evaluation in sheep flocks with different amounts of pedigree, genomic and phenotypic data. <i>Livestock Science</i> , 2015, 182, 58-63.	0.6	9
42	Bayes factor analysis for the genetic background of physiological and vitality variables of F2 Iberian × Meishan newborn piglets1. <i>Journal of Animal Science</i> , 2005, 83, 334-339.	0.2	8
43	Bayes factor for testing between different structures of random genetic groups: A case study using weaning weight in Bruna dels Pirineus beef cattle. <i>Genetics Selection Evolution</i> , 2007, 39, 39.	1.2	8
44	Parametric bootstrap for testing model fitting of threshold and grouped data models: An application to the analysis of calving ease of Bruna dels Pirineus beef cattle1. <i>Journal of Animal Science</i> , 2010, 88, 2920-2931.	0.2	8
45	Genomic differentiation between Asturiana de los Valles, Avileña-Negra Ibérica, Bruna dels Pirineus, Morucha, Pirenaica, Retinta and Rubia Gallega cattle breeds. <i>Animal</i> , 2017, 11, 1667-1679.	1.3	8
46	Mapping Recombination Rate on the Autosomal Chromosomes Based on the Persistency of Linkage Disequilibrium Phase Among Autochthonous Beef Cattle Populations in Spain. <i>Frontiers in Genetics</i> , 2019, 10, 1170.	1.1	8
47	Genetic relationships in Spanish dog breeds. I. The analysis of morphological characters. <i>Genetics Selection Evolution</i> , 1992, 24, 1.	1.2	7
48	Conservation genetics of an endangered Catalanian cattle breed ("Alberes"). <i>Genetics and Molecular Biology</i> , 1999, 22, 387-394.	0.6	7
49	Bayes factor for testing the genetic background of quantitative threshold traits. <i>Journal of Animal Breeding and Genetics</i> , 2006, 123, 301-306.	0.8	7
50	Connectedness among herds of beef cattle bred under natural service. <i>Genetics Selection Evolution</i> , 2010, 42, 6.	1.2	7
51	Accounting for additive genetic mutations on litter size in Ripollesa sheep1. <i>Journal of Animal Science</i> , 2010, 88, 1248-1255.	0.2	7
52	On the haplotype diversity along the genome in Spanish beef cattle populations. <i>Livestock Science</i> , 2017, 201, 30-33.	0.6	7
53	Genetic relationships in Spanish dog breeds. II. The analysis of biochemical polymorphism. <i>Genetics Selection Evolution</i> , 1992, 24, 1.	1.2	6
54	The "Bruna dels Pirineus" (Pyrenean brown breed): a genetic study of a rare cattle breed in Catalonia (Spain). <i>Biochemical Systematics and Ecology</i> , 1996, 24, 485-498.	0.6	6

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55	Analysis of temperament development during the fattening period in the semi-feral bovine calves of the Alberes Massif. <i>Animal Research</i> , 2006, 55, 389-395.	0.6	6
56	Effect of fibrous diet and vitamin C inclusion on uniformity, carcass traits, skeletal strength, and behavior of broiler breeder pullets. <i>Poultry Science</i> , 2020, 99, 2633-2644.	1.5	6
57	Correction factors for weight productive traits up to weaning in the Bruna dels Pirineus beef cattle breed. <i>Animal Research</i> , 2002, 51, 43-50.	0.6	6
58	Canalization analysis of birth weight in Bruna dels Pirineus beef cattle. <i>Journal of Animal Science</i> , 2013, 91, 3070-3078.	0.2	5
59	Differential response to restricted feeding in two divergent lines of Duroc swine selected for front leg structure. <i>Journal of Animal Breeding and Genetics</i> , 1991, 108, 139-146.	0.8	4
60	Variation in gestation length as breeding season advances in Bruna dels Pirineus beef cattle breed. <i>Animal Research</i> , 2000, 49, 353-356.	0.6	4
61	Carcass conformation and fat cover scores in beef cattle: A comparison of threshold linear models vs grouped data models. <i>Genetics Selection Evolution</i> , 2011, 43, 16.	1.2	3
62	Using haplotype probabilities in categorical survival analysis: a case study with three candidate genes in an Iberian Meishan F <sub>2</sub> population of newborn piglets. <i>Journal of Animal Breeding and Genetics</i> , 2008, 125, 5-12.	0.8	2
63	Sources of sire-specific genetic variance for birth and weaning weight in Bruna dels Pirineus beef calves. <i>Animal</i> , 2012, 6, 1931-1938.	1.3	2
64	Carcass traits and meat fatty acid composition in Mediterranean light lambs. <i>Canadian Journal of Animal Science</i> , 0, , .	0.7	2
65	Evaluation of the potential use of a meta-population for genomic selection in autochthonous beef cattle populations. <i>Animal</i> , 2018, 12, 1350-1357.	1.3	2
66	Characterisation and conservation programme of the Alberes cattle breed in Catalonia (Spain). <i>Animal Genetic Resources Information</i> , 2008, 43, 1-14.	0.3	1
67	Estructura y relaciones genéticas de la raza bovina Serrana de Teruel con razas explotadas en España. <i>Archivos De Zootecnia</i> , 2011, 60, 369-372.	0.2	1
68	Bayes factor for testing between different structures of random genetic groups: A case study using weaning weight in Bruna dels Pirineus beef cattle. <i>Genetics Selection Evolution</i> , 2007, 39, 39-53.	1.2	1
69	L-LACTATE PRODUCTION: A FEASIBLE PARAMETER FOR THE FRESH BOAR SEMEN QUALITY ANALYSIS. <i>Reproduction in Domestic Animals</i> , 1995, 31, 253-254.	0.6	0
70	Short Communication: Estimating abundance, survival and age structure of the Alberes cattle using recapture techniques. <i>Canadian Journal of Animal Science</i> , 2011, 91, 343-347.	0.7	0
71	Fine mapping by composite genome-wide association analysis. <i>Genetical Research</i> , 2017, 99, e4.	0.3	0
72	Validation of a Bayesian approach for maternity identification in abandoned lambs. <i>Italian Journal of Animal Science</i> , 2017, 16, 405-411.	0.8	0

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73	Effect of body weight on uniformity, livability, and skeletal development and strength of broiler breeder females. <i>Journal of Applied Animal Research</i> , 2020, 48, 320-325.	0.4	0
74	Detección de regiones genómicas con elevado desequilibrio de ligamiento en poblaciones de vacuno de carne españolas con análisis de BovineHD BeadChip. <i>Archivos De Zootecnia</i> , 2017, 66, 59-65.	0.2	0