Luis J Royo

List of Publications by Year in descending order

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74 papers	4,243 citations	159358 30 h-index	110170 64 g-index
75 all docs	75 docs citations	75 times ranked	4188 citing authors

#	Article	IF	Citations
1	A deletion in the bovine myostatin gene causes the doubleâ€“muscled phenotype in cattle. Nature Genetics, 1997, 17, 71-74.	9.4	1,323
2	Molecular definition of an allelic series of mutations disrupting the myostatin function and causing double-muscling in cattle. Mammalian Genome, 1998, 9, 210-213.	1.0	422
3	The origin of European cattle: Evidence from modern and ancient DNA. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 8113-8118.	3.3	271
4	Zebu Cattle Are an Exclusive Legacy of the South Asia Neolithic. Molecular Biology and Evolution, 2010, 27, 1-6.	3.5	217
5	MolKin v2.0: A Computer Program for Genetic Analysis of Populations Using Molecular Coancestry Information. Journal of Heredity, 2005, 96, 718-721.	1.0	166
6	Modulating skeletal muscle mass by postnatal, muscle-specific inactivation of the myostatin gene. Genesis, 2003, 35, 227-238.	0.8	152
7	Using pedigree information to monitor genetic variability of endangered populations: the Xalda sheep breed of Asturias as an example. Journal of Animal Breeding and Genetics, 2003, 120, 95-105.	0.8	136
8	Genetic relationships and admixture among sheep breeds from Northern Spain assessed using microsatellites1. Journal of Animal Science, 2004, 82, 2246-2252.	0.2	75
9	Genetic relationships between calving date, calving interval, age at first calving and type traits in beef cattle. Livestock Science, 2002, 78, 215-222.	1.2	66
10	Multivariate characterization of morphological traits in Burkina Faso sheep. Small Ruminant Research, 2008, 80, 62-67.	0.6	64
11	The usefulness of artificial intelligence techniques to assess subjective quality of products in the food industry. Trends in Food Science and Technology, 2001, 12, 370-381.	7.8	58
12	Enhancement of developmental capacity of meiotically inhibited bovine oocytes by retinoic acid. Human Reproduction, 2002, 17, 2706-2714.	0.4	53
13	The Origins of Iberian Horses Assessed via Mitochondrial DNA. Journal of Heredity, 2005, 96, 663-669.	1.0	52
14	Yâ€šspecific microsatellites reveal an African subfamily in taurine (Bos taurus) cattle. Animal Genetics, 2010, 41, 232-241.	0.6	51
15	Multiple paternal origins of domestic cattle revealed by Y-specific interspersed multilocus microsatellites. Heredity, 2010, 105, 511-519.	1.2	50
16	Identifying the most suitable endogenous control for determining gene expression in hearts from organ donors. BMC Molecular Biology, 2007, 8, 114.	3.0	49
17	Differences in the expression of the ASIP gene are involved in the recessive black coat colour pattern in sheep: evidence from the rare Xalda sheep breed. Animal Genetics, 2008, 39, 290-293.	0.6	48
18	Testing the usefulness of the molecular coancestry information to assess genetic relationships in livestock using a set of Spanish sheep breeds1. Journal of Animal Science, 2005, 83, 737-744.	0.2	45

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19	Canine adenovirus type 1 (CAdV-1) in free-ranging European brown bear (Ursus arctos arctos): A threat for Cantabrian population?. Transboundary and Emerging Diseases, 2018, 65, 2049-2056.	1.3	45
20	The coding sequence of the ASIP gene is identical in nine wild-type coloured cattle breeds. Journal of Animal Breeding and Genetics, 2005, 122, 357-360.	0.8	43
21	Genetic relationships among calving ease, calving interval, birth weight, and weaning weight in the Asturiana de los Valles beef cattle breed1. Journal of Animal Science, 2007, 85, 69-75.	0.2	39
22	Genetic variability and differentiation in Spanish roe deer (Capreolus capreolus): A phylogeographic reassessment within the European frameworkâ˜†. Molecular Phylogenetics and Evolution, 2007, 42, 47-61.	1.2	39
23	Relationship between genealogical and microsatellite information characterizing losses of genetic variability: Empirical evidence from the rare Xalda sheep breed. Livestock Science, 2008, 115, 80-88.	0.6	38
24	Genetic characterisation of Burkina Faso goats using microsatellite polymorphism. Livestock Science, 2009, 123, 322-328.	0.6	37
25	Louping Ill in Goats, Spain, 2011. Emerging Infectious Diseases, 2012, 18, 976-978.	2.0	37
26	Genetic variability in the endangered AsturcÃ³n pony assessed using genealogical and molecular information. Livestock Science, 2007, 107, 162-169.	0.6	36
27	Microsatellite Analysis Characterizes Burkina Faso as a Genetic Contact Zone Between Sahelian and DjallonkÃ© Sheep. Animal Biotechnology, 2009, 20, 47-57.	0.7	36
28	9-cis-retinoic acid during in vitro maturation improves development of the bovine oocyte and increases midkine but not IGF-I expression in cumulus-granulosa cells. Molecular Reproduction and Development, 2003, 66, 247-255.	1.0	34
29	Genetic relationships between Spanish Assaf (Assaf.E) and Spanish native dairy sheep breeds. Small Ruminant Research, 2008, 80, 39-44.	0.6	31
30	Genetic analysis of calf survival at different preweaning ages in beef cattle. Livestock Science, 2003, 83, 13-20.	1.2	30
31	Retinoid-dependent mRNA expression and poly-(A) contents in bovine oocytes meiotically arrested and/or matured in vitro. Molecular Reproduction and Development, 2004, 69, 101-108.	1.0	28
32	Multivariate analyses on morphological traits of goats in Burkina Faso. Archives Animal Breeding, 2008, 51, 588-600.	0.5	28
33	Genetic analysis of days open in beef cattle. Livestock Science, 2005, 93, 283-289.	1.2	26
34	A portable IoT NIR spectroscopic system to analyze the quality of dairy farm forage. Computers and Electronics in Agriculture, 2020, 175, 105578.	3.7	26
35	Spatial relationships between Eurasian badgers (Meles meles) and cattle infected with Mycobacterium bovis in Northern Spain. Veterinary Journal, 2013, 197, 739-745.	0.6	25
36	Artificial intelligence techniques point out differences in classification performance between light and standard bovine carcasses. Meat Science, 2003, 64, 249-258.	2.7	21

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37	Retinoids during the in vitro transition from bovine morula to blastocyst. Human Reproduction, 2006, 21, 2149-2157.	0.4	20
38	Mitochondrial <scp>DNA</scp> and <scp>Y</scp>â€chromosome diversity in <scp>E</scp>ast <scp>A</scp>driatic sheep. Animal Genetics, 2013, 44, 184-192.	0.6	20
39	The Mode of Grass Supply to Dairy Cows Impacts on Fatty Acid and Antioxidant Profile of Milk. Foods, 2020, 9, 1256.	1.9	19
40	Factors affecting actual weaning weight, preweaning average daily gain and relative growth rate in Asturiana de los Valles beef cattle breed. Archives Animal Breeding, 2003, 46, 235-243.	0.5	17
41	Genetic diversity loss due to selection for scrapie resistance in the rare Spanish Xalda sheep breed. Livestock Science, 2007, 111, 204-212.	0.6	16
42	Visual detection of microRNA146a by using RNA-functionalized gold nanoparticles. Mikrochimica Acta, 2020, 187, 192.	2.5	16
43	Canine distemper virus in wildlife in southâ€western Europe. Transboundary and Emerging Diseases, 2022, 69, .	1.3	16
44	Analysis of mitochondrial DNA diversity in Burkina Faso populations confirms the maternal genetic homogeneity of the West African goat. Animal Genetics, 2009, 40, 344-347.	0.6	15
45	SireÃ—contemporary group interactions for birth weight and preweaning growth traits in the Asturiana de los Valles beef cattle breed. Livestock Science, 2006, 99, 61-68.	0.6	14
46	Quantifying diversity losses due to selection for scrapie resistance in three endangered Spanish sheep breeds using microsatellite information. Preventive Veterinary Medicine, 2009, 91, 172-178.	0.7	14
47	Retinoid receptor-specific agonists regulate bovine in vitro early embryonic development, differentiation and expression of genes related to cell cycle arrest and apoptosis. Theriogenology, 2007, 68, 1118-1127.	0.9	13
48	Usefulness of molecular-based methods for estimating effective population size in livestock assessed using data from the endangered black-coated AsturcÃ³n pony1. Journal of Animal Science, 2011, 89, 1251-1259.	0.2	13
49	Authentication of male beef by multiplex fast real-time PCR. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2013, 30, 218-225.	1.1	13
50	First Confirmation of Schmallenberg Virus in Cattle in Spain: Tissue Distribution and Pathology. Transboundary and Emerging Diseases, 2015, 62, e62-e65.	1.3	12
51	Technical note: A novel method for routine genotyping of horse coat color gene polymorphisms1. Journal of Animal Science, 2008, 86, 1291-1295.	0.2	11
52	Vaccination against Louping Ill Virus Protects Goats from Experimental Challenge with Spanish Goat Encephalitis Virus. Journal of Comparative Pathology, 2017, 156, 409-418.	0.1	11
53	A sexing protocol for wild ruminants based on PCR amplification of amelogenin genes AMELX and AMELY (short communication). Archives Animal Breeding, 2007, 50, 442-446.	0.5	11
54	Sry-negative XX true hermaphroditism in a roe deer. Animal Reproduction Science, 2009, 112, 190-197.	0.5	9

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55	Contribution of Lidia cattle breed historical castes to the paternal genetic stock of Spain. Animal Genetics, 2015, 46, 312-315.	0.6	8
56	Lambs are Susceptible to Experimental Challenge with Spanish Goat Encephalitis Virus. Journal of Comparative Pathology, 2017, 156, 400-408.	0.1	8
57	Assessing diversity losses due to selection for coat colour in the endangered bay-AsturcÃ³n pony using microsatellites. Livestock Science, 2011, 135, 199-204.	0.6	7
58	Wolf (Canis lupus) as canine adenovirus type 1 (CAdVâ€1) sentinel for the endangered cantabrian brown bear (Ursus arctos arctos). Transboundary and Emerging Diseases, 2022, 69, 516-523.	1.3	7
59	Female segregation patterns of the putative Yâ€chromosomeâ€specific microsatellite markers INRA124 and INRA126 do not support their use for cattle population studies. Animal Genetics, 2009, 40, 560-564.	0.6	6
60	An accurate high-resolution melting method to genotype bovine Î²-casein. European Food Research and Technology, 2014, 238, 295-298.	1.6	6
61	Identification of a new Y chromosome haplogroup in Spanish native cattle. Animal Genetics, 2017, 48, 450-454.	0.6	6
62	The extracellular proteins of Lactobacillus acidophilus DSM 20079T display anti-inflammatory effect in both in piglets, healthy human donors and Crohnâ€™s Disease patients. Journal of Functional Foods, 2020, 64, 103660.	1.6	6
63	Prion protein gene polymorphism in four West African sheep populations. Tropical Animal Health and Production, 2012, 44, 1469-1472.	0.5	5
64	Genetic structure of the bovine Yâ€specific microsatellite UMN0103 reflects the genetic history of the species. Animal Genetics, 2011, 42, 566-567.	0.6	4
65	Mortality Causes in Free-Ranging Eurasian Brown Bears (Ursus arctos arctos) in Spain 1998â€“2018. Animals, 2020, 10, 1538.	1.0	4
66	Influence of the Type of Silage in the Dairy Cow Ration, with or without Grazing, on the Fatty Acid and Antioxidant Profiles of Milk. Dairy, 2021, 2, 716-728.	0.7	4
67	High-resolution, humanÂ–bovine comparative mapping based on a closed YAC contig spanning the bovine mh locus. Mammalian Genome, 1999, 10, 289-293.	1.0	3
68	Study of the Variability in Fatty Acids and Carotenoid Profiles: Laying the Ground for Tank Milk Authentication. Sustainability, 2021, 13, 4506.	1.6	3
69	Testing a continuous variation in preweaning expression of muscular hypertrophy in beef cattle using field data. Archives Animal Breeding, 2002, 45, 139-149.	0.5	3
70	Genetic structure in Atlantic brown trout (Salmo trutta L.) populations in the Iberian peninsula: evidence from mitochondrial and nuclear DNA analysis. Journal of Animal Breeding and Genetics, 2000, 117, 105-120.	0.8	2
71	Cholangiocarcinoma in a Free-Ranging Eurasian Brown Bear (Ursus arctos arctos) from Northern Spain. Journal of Wildlife Diseases, 2020, 56, 251.	0.3	2
72	A one-step TaqMan real-time qRT-PCR assay for the specific detection and quantitation of the Spanish goat encephalitis virus (SGEV). Journal of Virological Methods, 2018, 255, 98-100.	1.0	1

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73	Cholangiocarcinoma in a Free-Ranging Eurasian Brown Bear () from Northern Spain. Journal of Wildlife Diseases, 2020, 56, 251-254.	0.3	1
74	Design and Evaluation of a Competitive Phosphorescent Immunosensor for Aflatoxin M1 Quantification in Milk Samples Using Mn:ZnS Quantum Dots as Antibody Tags. Chemosensors, 2022, 10, 41.	1.8	0