

# Isabel Alvarez

## List of Publications by Year in descending order

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77  
papers

1,989  
citations

236612

25  
h-index

276539

41  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1945  
citing authors

#	ARTICLE	IF	CITATIONS
1	MolKin v2.0: A Computer Program for Genetic Analysis of Populations Using Molecular Coancestry Information. <i>Journal of Heredity</i> , 2005, 96, 718-721.	1.0	166
2	Using pedigree information to monitor genetic variability of endangered populations: the Xalda sheep breed of Asturias as an example. <i>Journal of Animal Breeding and Genetics</i> , 2003, 120, 95-105.	0.8	136
3	Carcass and meat quality of light lambs using principal component analysis. <i>Meat Science</i> , 2004, 67, 595-605.	2.7	83
4	Genetic relationships and admixture among sheep breeds from Northern Spain assessed using microsatellites1. <i>Journal of Animal Science</i> , 2004, 82, 2246-2252.	0.2	75
5	Genetic relationships between calving date, calving interval, age at first calving and type traits in beef cattle. <i>Livestock Science</i> , 2002, 78, 215-222.	1.2	66
6	Multivariate characterization of morphological traits in Burkina Faso sheep. <i>Small Ruminant Research</i> , 2008, 80, 62-67.	0.6	64
7	The usefulness of artificial intelligence techniques to assess subjective quality of products in the food industry. <i>Trends in Food Science and Technology</i> , 2001, 12, 370-381.	7.8	58
8	The Origins of Iberian Horses Assessed via Mitochondrial DNA. <i>Journal of Heredity</i> , 2005, 96, 663-669.	1.0	52
9	Yâ€specific microsatellites reveal an African subfamily in taurine (<i>Bos taurus</i>) cattle. <i>Animal Genetics</i> , 2010, 41, 232-241.	0.6	51
10	Multiple paternal origins of domestic cattle revealed by Y-specific interspersed multilocus microsatellites. <i>Heredity</i> , 2010, 105, 511-519.	1.2	50
11	Differences in the expression of the <i>ASIP</i> gene are involved in the recessive black coat colour pattern in sheep: evidence from the rare Xalda sheep breed. <i>Animal Genetics</i> , 2008, 39, 290-293.	0.6	48
12	Testing the usefulness of the molecular coancestry information to assess genetic relationships in livestock using a set of Spanish sheep breeds1. <i>Journal of Animal Science</i> , 2005, 83, 737-744.	0.2	45
13	The coding sequence of the ASIP gene is identical in nine wild-type coloured cattle breeds. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 357-360.	0.8	43
14	Genetic relationships among calving ease, calving interval, birth weight, and weaning weight in the Asturiana de los Valles beef cattle breed1. <i>Journal of Animal Science</i> , 2007, 85, 69-75.	0.2	39
15	Genetic variability and differentiation in Spanish roe deer (<i>Capreolus capreolus</i>): A phylogeographic reassessment within the European frameworkâ†. <i>Molecular Phylogenetics and Evolution</i> , 2007, 42, 47-61.	1.2	39
16	Relationship between genealogical and microsatellite information characterizing losses of genetic variability: Empirical evidence from the rare Xalda sheep breed. <i>Livestock Science</i> , 2008, 115, 80-88.	0.6	38
17	Genetic characterisation of Burkina Faso goats using microsatellite polymorphism. <i>Livestock Science</i> , 2009, 123, 322-328.	0.6	37
18	Genetic variability in the endangered AsturcÃ³n pony assessed using genealogical and molecular information. <i>Livestock Science</i> , 2007, 107, 162-169.	0.6	36

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19	Microsatellite Analysis Characterizes Burkina Faso as a Genetic Contact Zone Between Sahelian and Djallonké Sheep. <i>Animal Biotechnology</i> , 2009, 20, 47-57.	0.7	36
20	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. <i>Molecular Reproduction and Development</i> , 2003, 66, 247-255.	1.0	34
21	Genetic relationships between Spanish Assaf (Assaf.E) and Spanish native dairy sheep breeds. <i>Small Ruminant Research</i> , 2008, 80, 39-44.	0.6	31
22	Genetic analysis of calf survival at different preweaning ages in beef cattle. <i>Livestock Science</i> , 2003, 83, 13-20.	1.2	30
23	Using artificial intelligence to design and implement a morphological assessment system in beef cattle. <i>Animal Science</i> , 2001, 73, 49-60.	1.3	29
24	Multivariate analyses on morphological traits of goats in Burkina Faso. <i>Archives Animal Breeding</i> , 2008, 51, 588-600.	0.5	28
25	The influences of carcass weight and depot on the fatty acid composition of fats of suckling Manchego lambs. <i>Meat Science</i> , 2005, 70, 373-379.	2.7	27
26	Genetic analysis of days open in beef cattle. <i>Livestock Science</i> , 2005, 93, 283-289.	1.2	26
27	Body composition in relation to slaughter weight and gender in suckling lambs. <i>Small Ruminant Research</i> , 2006, 64, 126-132.	0.6	23
28	Infrared spectroscopic analysis of mononuclear leukocytes in peripheral blood from Alzheimer's disease patients. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 2015-2021.	1.9	23
29	Legacies of domestication, trade and herder mobility shape extant male zebu cattle diversity in South Asia and Africa. <i>Scientific Reports</i> , 2018, 8, 18027.	1.6	23
30	Artificial intelligence techniques point out differences in classification performance between light and standard bovine carcasses. <i>Meat Science</i> , 2003, 64, 249-258.	2.7	21
31	Genetic relationships of the Cuban hair sheep inferred from microsatellite polymorphism. <i>Small Ruminant Research</i> , 2012, 104, 89-93.	0.6	21
32	Retinoids during the in vitro transition from bovine morula to blastocyst. <i>Human Reproduction</i> , 2006, 21, 2149-2157.	0.4	20
33	Mitochondrial DNA and Y-chromosome diversity in East African dromedary sheep. <i>Animal Genetics</i> , 2013, 44, 184-192.	0.6	20
34	Ascertaining gene flow patterns in livestock populations of developing countries: a case study in Burkina Faso goat. <i>BMC Genetics</i> , 2012, 13, 35.	2.7	19
35	Mitochondrial analysis sheds light on the origin of hair sheep. <i>Animal Genetics</i> , 2013, 44, 344-347.	0.6	18
36	Assessing losses of genetic variability in the endangered Mallorquín horse. <i>Czech Journal of Animal Science</i> , 2010, 55, 456-462.	0.5	17

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37	Lack of mitochondrial DNA structure in Balkan donkey is consistent with a quick spread of the species after domestication. <i>Animal Genetics</i> , 2014, 45, 144-147.	0.6	17
38	Assessing introgression of Sahelian zebu genes into native <i>Bos taurus</i> breeds in Burkina Faso. <i>Molecular Biology Reports</i> , 2014, 41, 3745-3754.	1.0	17
39	Geographical assessment of body measurements and qualitative traits in West African cattle. <i>Tropical Animal Health and Production</i> , 2015, 47, 1505-1513.	0.5	17
40	Factors affecting actual weaning weight, preweaning average daily gain and relative growth rate in Asturiana de los Valles beef cattle breed. <i>Archives Animal Breeding</i> , 2003, 46, 235-243.	0.5	17
41	Genetic diversity loss due to selection for scrapie resistance in the rare Spanish Xalda sheep breed. <i>Livestock Science</i> , 2007, 111, 204-212.	0.6	16
42	Analysis of mitochondrial DNA diversity in Burkina Faso populations confirms the maternal genetic homogeneity of the West African goat. <i>Animal Genetics</i> , 2009, 40, 344-347.	0.6	15
43	Resistance to gastrointestinal parasite infection in Djallonké sheep. <i>Animal</i> , 2017, 11, 1354-1362.	1.3	15
44	Genomic scan of selective sweeps in Djallonké (West African Dwarf) sheep shed light on adaptation to harsh environments. <i>Scientific Reports</i> , 2020, 10, 2824.	1.6	15
45	Sire—contemporary group interactions for birth weight and preweaning growth traits in the Asturiana de los Valles beef cattle breed. <i>Livestock Science</i> , 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. <i>Preventive Veterinary Medicine</i> , 2009, 91, 172-178.	0.7	14
47	African Cattle do not Carry Unique Mutations on the Exon 9 of the ARHGAP15 Gene. <i>Animal Biotechnology</i> , 2016, 27, 9-12.	0.7	14
48	Multivariate characterization of morphological traits in West African cattle sires. <i>Archives Animal Breeding</i> , 2016, 59, 337-344.	0.5	14
49	Usefulness of molecular-based methods for estimating effective population size in livestock assessed using data from the endangered black-coated Asturcón pony. <i>Journal of Animal Science</i> , 2011, 89, 1251-1259.	0.2	13
50	Assessing priorities for conservation in Tuscan cattle breeds using microsatellites. <i>Animal</i> , 2012, 6, 203-211.	1.3	12
51	Usefulness of running animal models in absence of pedigrees: Estimation of genetic parameters for gastrointestinal parasite resistance traits in Djallonké sheep of Burkina Faso. <i>Small Ruminant Research</i> , 2018, 160, 81-88.	0.6	12
52	Identification of genomic regions and candidate genes of functional importance for gastrointestinal parasite resistance traits in Djallonké sheep of Burkina Faso. <i>Archives Animal Breeding</i> , 2019, 62, 313-323.	0.5	12
53	Use of carcass weight to classify Manchego sucking lambs and its relation to carcass and meat quality. <i>Animal Science</i> , 2005, 80, 61-69.	1.3	11
54	Technical note: A novel method for routine genotyping of horse coat color gene polymorphisms. <i>Journal of Animal Science</i> , 2008, 86, 1291-1295.	0.2	11

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55	Lack of haplotype structuring for two candidate genes for trypanotolerance in cattle. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 105-114.	0.8	11
56	A sexing protocol for wild ruminants based on PCR amplification of amelogenin genes AMELX and AMELY (short communication). <i>Archives Animal Breeding</i> , 2007, 50, 442-446.	0.5	11
57	Functional characterization of Copy Number Variations regions in Djallonké sheep. <i>Journal of Animal Breeding and Genetics</i> , 2021, 138, 600-612.	0.8	10
58	Founder and present maternal diversity in two endangered Spanish horse breeds assessed via pedigree and mitochondrial DNA information. <i>Journal of Animal Breeding and Genetics</i> , 2012, 129, 271-279.	0.8	9
59	Genealogical analysis of the Gochu Asturcelta pig breed: insights for conservation. <i>Czech Journal of Animal Science</i> , 2016, 61, 140-149.	0.5	9
60	Genetic characterisation of the endangered Gochu Asturcelta pig breed using microsatellite and mitochondrial markers: Insights for the composition of the Iberian native pig stock. <i>Livestock Science</i> , 2016, 187, 162-167.	0.6	9
61	Differential distribution of Y-chromosome haplotypes in Swiss and Southern European goat breeds. <i>Scientific Reports</i> , 2017, 7, 16161.	1.6	9
62	Population Structure Assessed Using Microsatellite and SNP Data: An Empirical Comparison in West African Cattle. <i>Animals</i> , 2021, 11, 151.	1.0	8
63	Assessing diversity losses due to selection for coat colour in the endangered bay-Asturc�n pony using microsatellites. <i>Livestock Science</i> , 2011, 135, 199-204.	0.6	7
64	Lack of specific alleles for the bovine chemokine (C-X-C) receptor type 4 (CXCR4) gene in West African cattle questions its role as a candidate for trypanotolerance. <i>Infection, Genetics and Evolution</i> , 2016, 42, 30-33.	1.0	7
65	Assessing performance of single-sample molecular genetic methods to estimate effective population size: empirical evidence from the endangered Gochu Asturcelta pig breed. <i>Ecology and Evolution</i> , 2016, 6, 4971-4980.	0.8	7
66	Differences in genetic structure assessed using Y-chromosome and mitochondrial DNA markers do not shape the contributions to diversity in African sires. <i>Journal of Animal Breeding and Genetics</i> , 2017, 134, 393-404.	0.8	7
67	Ancient Homozygosity Segments in West African Djallonké Sheep Inform on the Genomic Impact of Livestock Adaptation to the Environment. <i>Animals</i> , 2020, 10, 1178.	1.0	7
68	Multiple paternity in domestic pigs under equally probable natural matings – a case study in the endangered Gochu Asturcelta pig breed. <i>Archives Animal Breeding</i> , 2015, 58, 217-220.	0.5	7
69	Female segregation patterns of the putative Y-chromosome-specific microsatellite markers INRA124 and INRA126 do not support their use for cattle population studies. <i>Animal Genetics</i> , 2009, 40, 560-564.	0.6	6
70	Microsatellite analysis of the Rousse de Maradi (Red Sokoto) goat of Burkina Faso. <i>Small Ruminant Research</i> , 2012, 105, 83-88.	0.6	6
71	Morphological assessment of Niger Kuri cattle using multivariate methods. <i>South African Journal of Animal Sciences</i> , 2017, 47, 505.	0.2	6
72	Ancient autozygous segments subject to positive selection suggest adaptive immune responses in West African cattle. <i>Gene</i> , 2021, 803, 145899.	1.0	6

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73	Morphological assessment of the Zebu Bororo (Wodaabã©) cattle of Niger in the West African zebu framework. Archives Animal Breeding, 2017, 60, 363-371.	0.5	6
74	Prion protein gene polymorphism in four West African sheep populations. Tropical Animal Health and Production, 2012, 44, 1469-1472.	0.5	5
75	Genetic structure of the bovine Yã©specific microsatellite <i>UMN0103</i> reflects the genetic history of the species. Animal Genetics, 2011, 42, 566-567.	0.6	4
76	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
77	Short communication. Mitochondrial DNA diversity of the founder populations of the Asturcã³n pony. Spanish Journal of Agricultural Research, 2013, 11, 702.	0.3	1