

Juan Pablo Gutierrez Garcia

List of Publications by Year in descending order

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100
papers

3,277
citations

159358

30
h-index

161609

54
g-index

103
all docs

103
docs citations

103
times ranked

1745
citing authors

#	ARTICLE	IF	CITATIONS
1	A note on ENDOG: a computer program for analysing pedigree information. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 172-176.	0.8	394
2	Improving the estimation of realized effective population sizes in farm animals. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 327-332.	0.8	173
3	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
4	Individual increase in inbreeding allows estimating effective sizes from pedigrees. <i>Genetics Selection Evolution</i> , 2008, 40, 359-78.	1.2	139
5	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
6	Pedigree analysis in the Andalusian horse: population structure, genetic variability and influence of the Carthusian strain. <i>Livestock Science</i> , 2005, 95, 57-66.	1.2	121
7	Inbreeding Depression on Female Fertility and Calving Ease in Spanish Dairy Cattle. <i>Journal of Dairy Science</i> , 2007, 90, 5744-5752.	1.4	118
8	Estimation of effective population size from the rate of coancestry in pedigreed populations. <i>Journal of Animal Breeding and Genetics</i> , 2011, 128, 56-63.	0.8	109
9	Application of individual increase in inbreeding to estimate realized effective sizes from real pedigrees. <i>Journal of Animal Breeding and Genetics</i> , 2008, 125, 301-310.	0.8	86
10	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
11	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
12	Genetic parameters for canalisation analysis of litter size and litter weight traits at birth in mice. <i>Genetics Selection Evolution</i> , 2006, 38, 445-62.	1.2	60
13	Population history and genetic variability in the Spanish Arab Horse assessed via pedigree analysis. <i>Livestock Science</i> , 2008, 113, 24-33.	0.6	60
14	Assessment of inbreeding depression for body measurements in Spanish Purebred (Andalusian) horses. <i>Livestock Science</i> , 2009, 122, 149-155.	0.6	54
15	The Origins of Iberian Horses Assessed via Mitochondrial DNA. <i>Journal of Heredity</i> , 2005, 96, 663-669.	1.0	52
16	Pedigree information reveals moderate to high levels of inbreeding and a weak population structure in the endangered Catalanian donkey breed. <i>Journal of Animal Breeding and Genetics</i> , 2005, 122, 378-386.	0.8	51
17	Multiple paternal origins of domestic cattle revealed by Y-specific interspersed multilocus microsatellites. <i>Heredity</i> , 2010, 105, 511-519.	1.2	50
18	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

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19	Size and shape analysis of morphofunctional traits in the Spanish Arab horse. <i>Livestock Science</i> , 2009, 125, 43-49.	0.6	42
20	Pedigree analysis of Iran-Black sheep and inbreeding effects on growth and reproduction traits. <i>Small Ruminant Research</i> , 2014, 116, 14-20.	0.6	40
21	Pedigree analysis and inbreeding effects on early growth traits and greasy fleece weight in Markhoz goat. <i>Small Ruminant Research</i> , 2015, 124, 1-8.	0.6	40
22	Genetic relationships among calving ease, calving interval, birth weight, and weaning weight in the Asturiana de los Valles beef cattle breed ¹ . <i>Journal of Animal Science</i> , 2007, 85, 69-75.	0.2	39
23	Genetic relationships among calving ease, gestation length, and calf survival to weaning in the Asturiana de los Valles beef cattle breed ¹ . <i>Journal of Animal Science</i> , 2010, 88, 96-101.	0.2	39
24	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
25	Genetic characterisation of Burkina Faso goats using microsatellite polymorphism. <i>Livestock Science</i> , 2009, 123, 322-328.	0.6	37
26	Pedigree analysis and inbreeding depression on growth traits in Brazilian Marchigiana and Bonsmara breeds ¹ . <i>Journal of Animal Science</i> , 2012, 90, 99-108.	0.2	37
27	Genetic variability in the endangered AsturcÃ³n pony assessed using genealogical and molecular information. <i>Livestock Science</i> , 2007, 107, 162-169.	0.6	36
28	Estimation of genetic parameters of type traits in Asturiana de los Valles beef cattle breed. <i>Journal of Animal Breeding and Genetics</i> , 2002, 119, 93-100.	0.8	34
29	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
30	Genetic analysis of calf survival at different preweaning ages in beef cattle. <i>Livestock Science</i> , 2003, 83, 13-20.	1.2	30
31	Genetic parameters related to environmental variability of weight traits in a selection experiment for weight gain in mice; signs of correlated canalised response. <i>Genetics Selection Evolution</i> , 2008, 40, 279-293.	1.2	30
32	Genealogical analyses in open populations: the case of three Arabâ€derived Spanish horse breeds. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 335-347.	0.8	30
33	Genetic control of the environmental variance for birth weight in seven generations of a divergent selection experiment in mice. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 227-237.	0.8	30
34	Estimation of direct and maternal genetic parameters for preâ€weaning traits in the Asturiana de los Valles beef cattle breed through animal and sire models. <i>Journal of Animal Breeding and Genetics</i> , 1997, 114, 261-266.	0.8	29
35	Genetic parameters and relationships between fibre and type traits in two breeds of Peruvian alpacas. <i>Small Ruminant Research</i> , 2010, 88, 6-11.	0.6	29
36	Assessment of inbreeding depression in a Guzerat dairy herd: Effects of individual increase in inbreeding coefficients on production and reproduction. <i>Journal of Dairy Science</i> , 2010, 93, 4902-4912.	1.4	29

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37	Multivariate characterisation of morphological traits in Assaf (Assaf.E) sheep. <i>Small Ruminant Research</i> , 2011, 100, 122-130.	0.6	29
38	Designing an early selection morphological linear traits index for dressage in the Pura Raza Española horse. <i>Animal</i> , 2017, 11, 948-957.	1.3	29
39	Genetic analysis of six production traits in Peruvian alpacas. <i>Livestock Science</i> , 2009, 123, 193-197.	0.6	28
40	Genetic analysis of days open in beef cattle. <i>Livestock Science</i> , 2005, 93, 283-289.	1.2	26
41	Influence of foreign breeds on the genetic structure of the Spanish Sport Horse population. <i>Livestock Science</i> , 2011, 142, 70-79.	0.6	26
42	Modelling genetic evaluation for dressage in Pura Raza Española horses with focus on the rider effect. <i>Journal of Animal Breeding and Genetics</i> , 2014, 131, 395-402.	0.8	25
43	Genetic parameters affecting 180-days standardised milk yield, test-day milk yield and lactation length in Spanish Assaf (Assaf.E) dairy sheep. <i>Small Ruminant Research</i> , 2007, 70, 233-238.	0.6	24
44	Correlated genetic trends for production and welfare traits in a mouse population divergently selected for birth weight environmental variability. <i>Animal</i> , 2016, 10, 1770-1777.	1.3	19
45	Genetic parameters estimation for preweaning traits and their relationship with reproductive, productive and morphological traits in alpaca. <i>Animal</i> , 2017, 11, 746-754.	1.3	19
46	Genetic parameters for growth of fiber diameter in alpacas1. <i>Journal of Animal Science</i> , 2011, 89, 2310-2315.	0.2	18
47	Weighting fibre and morphological traits in a genetic index for an alpaca breeding programme. <i>Animal</i> , 2014, 8, 360-369.	1.3	18
48	Response to selection while maximizing genetic variance in small populations. <i>Genetics Selection Evolution</i> , 2016, 48, 69.	1.2	17
49	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
50	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
51	Analysis of the existence of major genes affecting alpaca fiber traits1. <i>Journal of Animal Science</i> , 2010, 88, 3783-3788.	0.2	16
52	Association of microsatellite markers with fiber diameter trait in Peruvian alpacas (Vicugna pacos). <i>Livestock Science</i> , 2014, 161, 6-16.	0.6	16
53	Modulating birth weight heritability in mice1. <i>Journal of Animal Science</i> , 2017, 95, 531-537.	0.2	16
54	Pedigree estimation of the (sub) population contribution to the total gene diversity: the horse coat colour case. <i>Animal</i> , 2010, 4, 867-875.	1.3	15

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55	Heritability of individual fiber medullation in Peruvian alpacas. <i>Small Ruminant Research</i> , 2018, 165, 93-100.	0.6	15
56	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
57	Computing effective population size from molecular data: The case of three rare Spanish ruminant populations. <i>Livestock Science</i> , 2011, 138, 202-206.	0.6	14
58	Genetic diversity in Kermani sheep assessed from pedigree analysis. <i>Small Ruminant Research</i> , 2013, 114, 202-205.	0.6	14
59	Genetic parameters for birthweight environmental variability in mice. <i>Journal of Animal Breeding and Genetics</i> , 2013, 130, 404-414.	0.8	14
60	Modelling of growth curves and estimation of genetic parameters for growth curve parameters in Peruvian young llamas (<i>Lama glama</i>). <i>Small Ruminant Research</i> , 2015, 130, 81-89.	0.6	13
61	Genetic parameters for medullated fiber and its relationship with other productive traits in alpacas. <i>Animal</i> , 2019, 13, 1358-1364.	1.3	13
62	Cross-validation analysis for genetic evaluation models for ranking in endurance horses. <i>Animal</i> , 2018, 12, 20-27.	1.3	12
63	Estimation of genetic parameters for morphological and functional traits in a Menorca horse population. <i>Spanish Journal of Agricultural Research</i> , 2014, 12, 125.	0.3	12
64	Equivalent effective population size mating as a useful tool in the genetic management of the Ibicenco rabbit breed (<i>Conill Pages d'Eivissa</i>). <i>Czech Journal of Animal Science</i> , 2016, 61, 108-116.	0.5	11
65	Estimation of genetic parameters for reproductive traits in alpacas. <i>Animal Reproduction Science</i> , 2015, 163, 48-55.	0.5	10
66	Effect of the gestation and lactation on fiber diameter and its variability in Peruvian alpacas. <i>Livestock Science</i> , 2017, 198, 31-36.	0.6	10
67	Association between body and udder morphological traits and dairy performance in Spanish Assaf sheep. <i>Archives Animal Breeding</i> , 2013, 56, 430-442.	0.5	10
68	ssGBLUP Method Improves the Accuracy of Breeding Value Prediction in Huacaya Alpaca. <i>Animals</i> , 2021, 11, 3052.	1.0	10
69	Direct and correlated selection response for litter size and litter weight at birth in the first parity in mice. <i>Livestock Science</i> , 1998, 53, 217-223.	1.2	9
70	Correlated genetic trend in the environmental variability of weight traits in mice. <i>Livestock Science</i> , 2012, 148, 189-195.	0.6	9
71	The Statistical Scale Effect as a Source of Positive Genetic Correlation Between Mean and Variability: A Simulation Study. <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 3001-3008.	0.8	9
72	Estimates of direct and indirect effects for early juvenile survival in captive populations maintained for conservation purposes: the case of Cuvier's gazelle. <i>Ecology and Evolution</i> , 2014, 4, 4117-4129.	0.8	8

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73	Effect of feed restriction on the environmental variability of birth weight in divergently selected lines of mice. <i>Genetics Selection Evolution</i> , 2019, 51, 27.	1.2	8
74	Cytoplasmic line effects for birth weight and preweaning growth traits in the Asturiana de los Valles beef cattle breed. <i>Livestock Science</i> , 2012, 143, 177-183.	0.6	7
75	Impact of selection for birth weight variability on reproductive longevity: A mice model. <i>Journal of Animal Breeding and Genetics</i> , 2022, 139, 370-379.	0.8	7
76	Feed and reproductive efficiency differences between divergently selected lines for birthweight environmental variability in mice. <i>Journal of Animal Breeding and Genetics</i> , 2018, 135, 378-389.	0.8	6
77	Selection Response in a Divergent Selection Experiment for Birth Weight Variability in Mice Compared with a Control Line. <i>Animals</i> , 2020, 10, 920.	1.0	6
78	Variabilidad fenotípica del porcentaje de fibras meduladas en el vellón de alpaca Huacaya. <i>Revista De Investigaciones Veterinarias Del Peru</i> , 2019, 30, 699-708.	0.0	6
79	Restricting inbreeding while maintaining selection response for weight gain in <i>Mus musculus</i> . <i>Journal of Animal Breeding and Genetics</i> , 2011, 128, 276-283.	0.8	5
80	Assessment of population structure depending on breeding objectives in Spanish Arabian horse by genealogical and molecular information. <i>Livestock Science</i> , 2014, 168, 9-16.	0.6	5
81	Genetic and phenotypic aspects of early reproductive performance in Raeini Cashmere goats. <i>Tropical Animal Health and Production</i> , 2019, 51, 2175-2180.	0.5	5
82	Colorimetry analysis of coat color and its relationship with fiber traits in alpacas. <i>Animal</i> , 2021, 15, 100219.	1.3	5
83	The influence of natural selection in breeding programs: A simulation study. <i>Livestock Science</i> , 2017, 204, 98-103.	0.6	4
84	Combining Threshold, Thurstonian and Classical Linear Models in Horse Genetic Evaluations for Endurance Competitions. <i>Animals</i> , 2020, 10, 1075.	1.0	4
85	Challenging the selection for consistency in the rank of endurance competitions. <i>Genetics Selection Evolution</i> , 2020, 52, 20.	1.2	4
86	Comparison of two models for estimation of variance components in a sample of Spanish Holstein Friesians. <i>Journal of Animal Breeding and Genetics</i> , 1994, 111, 169-174.	0.8	3
87	Genetic variability characterization of the moroccan houbara bustard (<i>Chlamydotis undulata</i>) Tj ETQq1 1 0.784314 rgBT /Qverlock	0.5	3
88	Crossbreed genetic performance study in the eventing horse competition. <i>Animal Production Science</i> , 2016, 56, 1454.	0.6	3
89	Genetic parameters for canalization analysis of morphological traits in the Pura Raza Española horse. <i>Journal of Animal Breeding and Genetics</i> , 2021, 138, 482-490.	0.8	3
90	Genetic parameters for uniformity of harvest weight in Pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Genetics Selection Evolution</i> , 2021, 53, 26.	1.2	3

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91	Testing a continuous variation in preweaning expression of muscular hypertrophy in beef cattle using field data. <i>Archives Animal Breeding</i> , 2002, 45, 139-149.	0.5	3
92	Análisis del pedigr�en diez poblaciones mexicanas de ovinos. <i>Revista Mexicana De Ciencias Pecuarias</i> , 2020, 11, 1071-1086.	0.1	3
93	Genetic (co)variance across age of fiber diameter and standard deviation in Huacaya alpacas, estimated by repeatability, multi-trait and random regression models. <i>Livestock Science</i> , 2020, 231, 103863.	0.6	2
94	Calving date and its variability as a potential trait in the breeding objective to account for reproductive seasonality in alpacas. <i>Reproduction in Domestic Animals</i> , 2020, 55, 814-821.	0.6	2
95	Polimorfismos de nucle�tido simple (PNSs) del gen MC1R en alpacas negras y marrones. <i>Revista Peruana De Biologia</i> , 2021, 28, e19742.	0.1	2
96	Breeding Strategies to Optimize Effective Population Size in Low Census Captive Populations: The Case of <i>Gazella cuvieri</i> . <i>Animals</i> , 2021, 11, 1559.	1.0	2
97	Altered lymphocyte homeostasis after oral prion infection in mouse. <i>Veterinary Immunology and Immunopathology</i> , 2008, 122, 204-215.	0.5	1
98	Impact of the event effect in genetic evaluation for ranking traits in horses. <i>Journal of Animal Breeding and Genetics</i> , 2021, , .	0.8	1
99			