MarÃ-a Mercedes Valera Cordoba

List of Publications by Year
in descending order

98 papers	2,039 citations	304743 22 h-index	276875 41 g-index
99 all docs	99 docs citations	99 times ranked	1425 citing authors

#	Article	IF	Citations
1	Individual increase in inbreeding allows estimating effective sizes from pedigrees. Genetics Selection Evolution, 2008, 40, 359-78.	3.0	139
2	Pedigree analysis in the Andalusian horse: population structure, genetic variability and influence of the Carthusian strain. Livestock Science, 2005, 95, 57-66.	1.2	121
3	Changes in Eye Temperature and Stress Assessment in Horses During Show Jumping Competitions. Journal of Equine Veterinary Science, 2012, 32, 827-830.	0.9	112
4	Estimation of effective population size from the rate of coancestry in pedigreed populations. Journal of Animal Breeding and Genetics, 2011, 128, 56-63.	2.0	109
5	Application of individual increase in inbreeding to estimate realized effective sizes from real pedigrees. Journal of Animal Breeding and Genetics, 2008, 125, 301-310.	2.0	86
6	Using eye temperature and heart rate for stress assessment in young horses competing in jumping competitions and its possible influence on sport performance. Animal, 2013, 7, 2044-2053.	3.3	77
7	Genetic parameters of morphofunctional traits in Andalusian horse. Livestock Science, 1999, 60, 295-303.	1.2	68
8	Breed effect on carcass and meat quality of foals slaughtered at 24months of age. Meat Science, 2009, 83, 224-228.	5.5	66
9	Population history and genetic variability in the Spanish Arab Horse assessed via pedigree analysis. Livestock Science, 2008, 113, 24-33.	1.6	60
10	Genetic study of gestation length in andalusian and arabian mares. Animal Reproduction Science, 2006, 95, 75-96.	1.5	59
11	Meat and fat quality of unweaned lambs as affected by slaughter weight and breed. Meat Science, 2009, 83, 308-313.	5.5	55
12	Assessment of inbreeding depression for body measurements in Spanish Purebred (Andalusian) horses. Livestock Science, 2009, 122, 149-155.	1.6	54
13	Size and shape analysis of morphofunctional traits in the Spanish Arab horse. Livestock Science, 2009, 125, 43-49.	1.6	42
14	The Lusitano horse maternal lineage based on mitochondrial Dâ€loop sequence variation. Animal Genetics, 2005, 36, 196-202.	1.7	39
15	Estimation of factors influencing fatty acid profiles in light lambs. Meat Science, 2008, 79, 203-210.	5.5	39
16	Genealogical analyses in open populations: the case of three Arabâ€derived Spanish horse breeds. Journal of Animal Breeding and Genetics, 2009, 126, 335-347.	2.0	30
17	Genetic analyses for linear conformation traits in Pura Raza EspaÃ±ol horses. Livestock Science, 2013, 157, 57-64.	1.6	29
18	Designing an early selection morphological linear traits index for dressage in the Pura Raza EspaÃ±ol horse. Animal, 2017, 11, 948-957.	3.3	29

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19	Influence of foreign breeds on the genetic structure of the Spanish Sport Horse population. Livestock Science, 2011, 142, 70-79.	1.6	26
20	Random regression model of growth during the first three months of age in Spanish Merino sheep1,2. Journal of Animal Science, 2007, 85, 2830-2839.	0.5	25
21	Modelling genetic evaluation for dressage in Pura Raza EspaÃ±ol horses with focus on the rider effect. Journal of Animal Breeding and Genetics, 2014, 131, 395-402.	2.0	25
22	Prevalence, risk factors and genetic parameters of cresty neck in Pura Raza EspaÃ±ol horses. Equine Veterinary Journal, 2017, 49, 196-200.	1.7	24
23	Genetic analysis of racing performance of trotter horses in Spain. Livestock Science, 2010, 127, 197-204.	1.6	23
24	Genetic study of stress assessed with infrared thermography during dressage competitions in the Pura Raza EspaÃ±ol horse. Applied Animal Behaviour Science, 2016, 174, 58-65.	1.9	22
25	Relationship between morphology and performance: Signature of mass-selection in Pura Raza EspaÃ±ol horse. Livestock Science, 2016, 185, 148-155.	1.6	22
26	Authentication of Iberian pork official quality categories using a portable near infrared spectroscopy (NIRS) instrument. Food Chemistry, 2020, 318, 126471.	8.2	22
27	Genetic characterization of the Spanish Trotter horse breed using microsatellite markers. Genetics and Molecular Biology, 2007, 30, 37-42.	1.3	21
28	Quantifying the relative contribution of ante- and post-mortem factors to the variability in beef texture. Animal, 2012, 6, 1878-1887.	3.3	20
29	The use of a novel combination of diagnostic molecular and cytogenetic approaches in horses with sexual karyotype abnormalities: A rare case with an abnormal cellular chimerism. Theriogenology, 2014, 81, 1116-1122.	2.1	19
30	Genetic (co)variance components across age for Show Jumping performance as an estimation of phenotypic plasticity ability in Spanish horses. Journal of Animal Breeding and Genetics, 2013, 130, 190-198.	2.0	18
31	Genetic inbreeding depression load for morphological traits and defects in the Pura Raza EspaÃ±ola horse. Genetics Selection Evolution, 2020, 52, 62.	3.0	18
32	Genetic parameters of biokinematic variables of the trot in Spanish Purebred horses under experimental treadmill conditions. Veterinary Journal, 2008, 178, 219-226.	1.7	17
33	Association analysis of KIT, MITF, and PAX3 variants with white markings in Spanish horses. Animal Genetics, 2017, 48, 349-352.	1.7	17
34	Sex chromosomal abnormalities associated with equine infertility: validation of a simple molecular screening tool in the Purebred Spanish Horse. Animal Genetics, 2017, 48, 412-419.	1.7	17
35	Genetic parameters of biokinematic variables at walk in the Spanish Purebred (Andalusian) horse using experimental treadmill records. Livestock Science, 2008, 116, 137-145.	1.6	15
36	Pedigree estimation of the (sub) population contribution to the total gene diversity: the horse coat colour case. Animal, 2010, 4, 867-875.	3.3	15

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37	Morphological and genetic characterization of Spanish heavy horse breeds: Implications for their conservation. Livestock Science, 2012, 144, 57-66.	1.6	15
38	Stress level effects on sport performance during trotting races in Spanish Trotter Horses. Research in Veterinary Science, 2018, 118, 86-90.	1.9	15
39	Genetic Structure Analysis of the Pura Raza EspaÃ±ol Horse Population through Partial Inbreeding Coefficient Estimation. Animals, 2020, 10, 1360.	2.3	15
40	Advances in horse morphometric measurements using LiDAR. Computers and Electronics in Agriculture, 2020, 174, 105510.	7.7	15
41	Estimation of genetic parameters for racing speed at different distances in young and adult Spanish Trotter horses using the random regression model. Journal of Animal Breeding and Genetics, 2010, 127, 385-394.	2.0	14
42	Genetic evaluation of racing performance in trotter horses by competitive models. Livestock Science, 2011, 140, 155-160.	1.6	14
43	Impact of reproductive biotechnologies on genetic variability of Argentine Polo horses. Livestock Science, 2020, 231, 103848.	1.6	14
44	Evaluation of conformation against traits associated with dressage ability in unridden Iberian horses at the trot. Research in Veterinary Science, 2013, 95, 660-666.	1.9	13
45	Plasticity effect of riderâ€“horse interaction on genetic evaluations for Show Jumping discipline in sport horses. Journal of Animal Breeding and Genetics, 2018, 135, 138-148.	2.0	13
46	Genetic and environmental risk factors for vitiligo and melanoma in Pura Raza EspaÃ±ol horses. Equine Veterinary Journal, 2019, 51, 606-611.	1.7	13
47	Sire Ã— stud interaction for body measurement traits in Spanish Purebred horses1. Journal of Animal Science, 2009, 87, 2502-2509.	0.5	12
48	Cross-validation analysis for genetic evaluation models for ranking in endurance horses. Animal, 2018, 12, 20-27.	3.3	12
49	Estimation of genetic parameters for morphological and functional traits in a Menorca horse population. Spanish Journal of Agricultural Research, 2014, 12, 125.	0.6	12
50	Genetic inbreeding depression load for fertility traits in Pura Raza EspaÃ±ola mares. Journal of Animal Science, 2021, 99, .	0.5	12
51	Implementation of Optimum Contributions Selection in endangered local breeds: the case of the Menorca Horse population. Journal of Animal Breeding and Genetics, 2013, 130, 218-226.	2.0	11
52	Genetic structure and connectivity analysis in a large domestic livestock metaâ€population: The case of the Pura Raza EspaÃ±ol horses. Journal of Animal Breeding and Genetics, 2018, 135, 460-471.	2.0	11
53	Population study of the Pura Raza EspaÃ±ol Horse regarding its coat colour. Annals of Animal Science, 2018, 18, 723-739.	1.6	11
54	Relationship between conformation traits and gait characteristics in Pura Raza EspaÃ±ol horses. Archives Animal Breeding, 2013, 56, 137-148.	1.4	11

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55	Genetic improvement of wool production in Spanish Merino sheep: genetic parameters and simulation of selection strategies. Animal Production Science, 2009, 49, 43.	1.3	10
56	Heritability and factors associated with number of harness race starts in the Spanish Trotter horse population. Equine Veterinary Journal, 2017, 49, 288-293.	1.7	10
57	Morphological and genetic diversity of Pura Raza EspaÃ±ol horse with regard to the coat colour. Animal Science Journal, 2019, 90, 14-22.	1.4	10
58	500 years of breeding in the Carthusian Strain of Pura Raza EspaÃ±ol horse: An evolutional analysis using genealogical and genomic data. Journal of Animal Breeding and Genetics, 2022, 139, 84-99.	2.0	10
59	Acute stress assessment using infrared thermography in fattening rabbits reacting to handling under winter and summer conditions. Spanish Journal of Agricultural Research, 2020, 18, e0502.	0.6	10
60	Genetic analysis of haematological and plasma biochemical parameters in the Spanish purebred horse exercised on a treadmill. Animal, 2013, 7, 1414-1422.	3.3	9
61	Carcass and Meat Quality Traits in an EmbdenÃ—Toulouse Goose Cross Raised in Organic <i>Dehesa</i>. Asian-Australasian Journal of Animal Sciences, 2016, 29, 838-844.	2.4	9
62	Kinematic Characterization of the Menorca Horse at the Walk and the Trot: Influence of Hind Limb Pastern Angle. Journal of Equine Veterinary Science, 2013, 33, 726-732.	0.9	8
63	Genetic analysis of kinematic traits at the trot in Lusitano horse subpopulations with different types of training. Animal, 2014, 8, 192-199.	3.3	8
64	Contribution of Lidia cattle breed historical castes to the paternal genetic stock of Spain. Animal Genetics, 2015, 46, 312-315.	1.7	8
65	Quantitative analysis of shortâ€•and longâ€distance racing performance in young and adult horses and association analysis with functional candidate genes in Spanish Trotter horses. Journal of Animal Breeding and Genetics, 2016, 133, 347-356.	2.0	8
66	Influence of Stress Assessed through Infrared Thermography and Environmental Parameters on the Performance of Fattening Rabbits. Animals, 2021, 11, 1747.	2.3	8
67	Individual increase in inbreeding allows estimating effective sizes from pedigrees. Genetics Selection Evolution, 2008, 40, 359-378.	3.0	8
68	The influence of different types of media supplement on the meiotic maturation of bovine oocytes in vitro. Theriogenology, 1994, 41, 405-411.	2.1	7
69	Behavioural linear standardized scoring system of the Lidia cattle breed by testing in herd: estimation of genetic parameters. Journal of Animal Breeding and Genetics, 2016, 133, 414-421.	2.0	7
70	Survey of Risk Factors and Genetic Characterization of Ewe Neck in a World Population of Pura Raza EspaÃ±ol Horses. Animals, 2020, 10, 1789.	2.3	7
71	Fine-Scale Analysis of Runs of Homozygosity Islands Affecting Fertility in Mares. Frontiers in Veterinary Science, 2022, 9, 754028.	2.2	7
72	Identification of a new Y chromosome haplogroup in Spanish native cattle. Animal Genetics, 2017, 48, 450-454.	1.7	6

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73	Predictability of adult Show Jumping ability from early information: Alternative selection strategies in the Spanish Sport Horse population. Livestock Science, 2017, 200, 23-28.	1.6	6
74	Assessment of sportive longevity in Pura Raza EspaÃ±ol dressage horses. Livestock Science, 2017, 203, 69-75.	1.6	6
75	Genetic Parameters of Effort and Recovery in Sport Horses Assessed with Infrared Thermography. Animals, 2021, 11, 832.	2.3	6
76	Assessment of population structure depending on breeding objectives in Spanish Arabian horse by genealogical and molecular information. Livestock Science, 2014, 168, 9-16.	1.6	5
77	A reaction norm model approach to estimate the genetic effect of temperature on sportive performance of trotter horses. Journal of Animal Breeding and Genetics, 2015, 132, 256-267.	2.0	5
78	Relative contribution of electrical stimulation to beef tenderness compared to other production factors. Canadian Journal of Animal Science, 2016, 96, 104-107.	1.5	5
79	Molecular diversity between two cohorts of six Spanish riding-horse breeds: Impact of selection in Crossbred vs Purebred populations. Livestock Science, 2016, 193, 88-91.	1.6	4
80	Prevalence of twin foaling and blood chimaerism in purebred Spanish horses. Veterinary Journal, 2018, 234, 142-144.	1.7	4
81	Challenging the selection for consistency in the rank of endurance competitions. Genetics Selection Evolution, 2020, 52, 20.	3.0	4
82	Evidence for the effect of serotoninergic and dopaminergic gene variants on stress levels in horses participating in dressage and harness racing. Animal Production Science, 2019, 59, 2206.	1.3	4
83	Copy Number Variation (CNV): A New Genomic Insight in Horses. Animals, 2022, 12, 1435.	2.3	4
84	Crossbreed genetic performance study in the eventing horse competition. Animal Production Science, 2016, 56, 1454.	1.3	3
85	Drawbacks and consequences of selective strategies in the design of semen banks: Case study of the Pura Raza EspaÃ±ol horse breed. Livestock Science, 2019, 226, 93-98.	1.6	3
86	Genetic parameters for canalization analysis of morphological traits in the Pura Raza EspaÃ±ol horse. Journal of Animal Breeding and Genetics, 2021, 138, 482-490.	2.0	3
87	Effects of Selection on Breed Contribution in the Caballo de Deporte EspaÃ±ol. Animals, 2022, 12, 1635.	2.3	3
88	Estimation of genetic parameters for the annual earnings at different race distances in young and adult Trotter Horses using a Random Regression Model. Livestock Science, 2011, 137, 87-94.	1.6	2
89	Investigating a complex genotype-phenotype map for the development of methods to predict genetic values based on genome-wide marker data â€“ a simulation study for the livestock perspective. Archives Animal Breeding, 2013, 56, 380-398.	1.4	2
90	Association analysis of g.68Gâ€¯â†'â€‰A SNP in CAPN1 gene with carcass and meat quality traits in goose raised in organic <i>dehesa</i>. Archives Animal Breeding, 2016, 59, 423-428.	1.4	2

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91	Relationship between rectal temperature measured with a conventional thermometer and the temperature of several body regions measured by infrared thermography in fattening rabbits. Influence of different environmental factors. World Rabbit Science, 2021, 29, 263-273.	0.6	2
92	Analyses of conformational performance differentiation among functional breeding goals in the Menorca horse breed. Archives Animal Breeding, 2013, 56, 367-379.	1.4	1
93	Instrumental colour measurement as a tool for light veal carcasses online evaluation. Archives Animal Breeding, 2013, 56, 851-860.	1.4	1
94	Short communication: Using infrared ocular thermography as a tool to predict meat quality from lean cattle breeds prior to slaughter: Exploratory trial. Spanish Journal of Agricultural Research, 2020, 17, e06SC01.	0.6	1
95	The effect of bovine amniotic fluid on in vitro maturation of bovine oocytes. British Veterinary Journal, 1995, 151, 547-554.	0.5	0
96	A new molecular screening tool for the detection of chromosomal abnormalities in donkeys. Reproduction in Domestic Animals, 2019, 54, 580-584.	1.4	0
97	Water Holding Capacity and PH of Meat from the Wild Rabbit(Oryctolagus cuniculus algirus) Hunted Specimens. Journal of Animal and Veterinary Advances, 2010, 9, 1560-1564.	0.1	0
98	Short communication: Analysis of polymorphisms in candidateâ€™s genes for meat quality in Lidia cattle. Spanish Journal of Agricultural Research, 2016, 14, e04SC02.	0.6	0