

MarÃ-a Mercedes Valera Cordoba

List of Publications by Year in descending order

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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 | 500 years of breeding in the <i>Carthusian Strain</i> of Pura Raza Española horse: An evolutionary analysis using genealogical and genomic data. <i>Journal of Animal Breeding and Genetics</i> , 2022, 139, 84-99. | 2.0 | 10 |
| 2 | Fine-Scale Analysis of Runs of Homozygosity Islands Affecting Fertility in Mares. <i>Frontiers in Veterinary Science</i> , 2022, 9, 754028. | 2.2 | 7 |
| 3 | Copy Number Variation (CNV): A New Genomic Insight in Horses. <i>Animals</i> , 2022, 12, 1435. | 2.3 | 4 |
| 4 | Effects of Selection on Breed Contribution in the Caballo de Deporte Español. <i>Animals</i> , 2022, 12, 1635. | 2.3 | 3 |
| 5 | 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. | 2.0 | 3 |
| 6 | Genetic Parameters of Effort and Recovery in Sport Horses Assessed with Infrared Thermography. <i>Animals</i> , 2021, 11, 832. | 2.3 | 6 |
| 7 | Influence of Stress Assessed through Infrared Thermography and Environmental Parameters on the Performance of Fattening Rabbits. <i>Animals</i> , 2021, 11, 1747. | 2.3 | 8 |
| 8 | Genetic inbreeding depression load for fertility traits in Pura Raza Española mares. <i>Journal of Animal Science</i> , 2021, 99, . | 0.5 | 12 |
| 9 | 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. <i>World Rabbit Science</i> , 2021, 29, 263-273. | 0.6 | 2 |
| 10 | Impact of reproductive biotechnologies on genetic variability of Argentine Polo horses. <i>Livestock Science</i> , 2020, 231, 103848. | 1.6 | 14 |
| 11 | Survey of Risk Factors and Genetic Characterization of Ewe Neck in a World Population of Pura Raza Española Horses. <i>Animals</i> , 2020, 10, 1789. | 2.3 | 7 |
| 12 | Genetic Structure Analysis of the Pura Raza Española Horse Population through Partial Inbreeding Coefficient Estimation. <i>Animals</i> , 2020, 10, 1360. | 2.3 | 15 |
| 13 | Genetic inbreeding depression load for morphological traits and defects in the Pura Raza Española horse. <i>Genetics Selection Evolution</i> , 2020, 52, 62. | 3.0 | 18 |
| 14 | Advances in horse morphometric measurements using LiDAR. <i>Computers and Electronics in Agriculture</i> , 2020, 174, 105510. | 7.7 | 15 |
| 15 | Authentication of Iberian pork official quality categories using a portable near infrared spectroscopy (NIRS) instrument. <i>Food Chemistry</i> , 2020, 318, 126471. | 8.2 | 22 |
| 16 | Challenging the selection for consistency in the rank of endurance competitions. <i>Genetics Selection Evolution</i> , 2020, 52, 20. | 3.0 | 4 |
| 17 | Acute stress assessment using infrared thermography in fattening rabbits reacting to handling under winter and summer conditions. <i>Spanish Journal of Agricultural Research</i> , 2020, 18, e0502. | 0.6 | 10 |
| 18 | Short communication: Using infrared ocular thermography as a tool to predict meat quality from lean cattle breeds prior to slaughter: Exploratory trial. <i>Spanish Journal of Agricultural Research</i> , 2020, 17, e06SC01. | 0.6 | 1 |

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|----|--|-----|-----------|
| 19 | Drawbacks and consequences of selective strategies in the design of semen banks: Case study of the Pura Raza Española horse breed. <i>Livestock Science</i> , 2019, 226, 93-98. | 1.6 | 3 |
| 20 | A new molecular screening tool for the detection of chromosomal abnormalities in donkeys. <i>Reproduction in Domestic Animals</i> , 2019, 54, 580-584. | 1.4 | 0 |
| 21 | Morphological and genetic diversity of Pura Raza Española horse with regard to the coat colour. <i>Animal Science Journal</i> , 2019, 90, 14-22. | 1.4 | 10 |
| 22 | Genetic and environmental risk factors for vitiligo and melanoma in Pura Raza Española horses. <i>Equine Veterinary Journal</i> , 2019, 51, 606-611. | 1.7 | 13 |
| 23 | Evidence for the effect of serotonergic and dopaminergic gene variants on stress levels in horses participating in dressage and harness racing. <i>Animal Production Science</i> , 2019, 59, 2206. | 1.3 | 4 |
| 24 | Plasticity effect of rider-horse interaction on genetic evaluations for Show Jumping discipline in sport horses. <i>Journal of Animal Breeding and Genetics</i> , 2018, 135, 138-148. | 2.0 | 13 |
| 25 | Stress level effects on sport performance during trotting races in Spanish Trotter Horses. <i>Research in Veterinary Science</i> , 2018, 118, 86-90. | 1.9 | 15 |
| 26 | Prevalence of twin foaling and blood chimaerism in purebred Spanish horses. <i>Veterinary Journal</i> , 2018, 234, 142-144. | 1.7 | 4 |
| 27 | Cross-validation analysis for genetic evaluation models for ranking in endurance horses. <i>Animal</i> , 2018, 12, 20-27. | 3.3 | 12 |
| 28 | Genetic structure and connectivity analysis in a large domestic livestock meta-population: The case of the Pura Raza Española horses. <i>Journal of Animal Breeding and Genetics</i> , 2018, 135, 460-471. | 2.0 | 11 |
| 29 | Population study of the Pura Raza Española Horse regarding its coat colour. <i>Annals of Animal Science</i> , 2018, 18, 723-739. | 1.6 | 11 |
| 30 | Prevalence, risk factors and genetic parameters of cresty neck in Pura Raza Española horses. <i>Equine Veterinary Journal</i> , 2017, 49, 196-200. | 1.7 | 24 |
| 31 | Association analysis of <i>KIT</i> , <i>MITF</i> , and <i>PAX3</i> variants with white markings in Spanish horses. <i>Animal Genetics</i> , 2017, 48, 349-352. | 1.7 | 17 |
| 32 | Sex chromosomal abnormalities associated with equine infertility: validation of a simple molecular screening tool in the Purebred Spanish Horse. <i>Animal Genetics</i> , 2017, 48, 412-419. | 1.7 | 17 |
| 33 | Identification of a new Y chromosome haplogroup in Spanish native cattle. <i>Animal Genetics</i> , 2017, 48, 450-454. | 1.7 | 6 |
| 34 | Predictability of adult Show Jumping ability from early information: Alternative selection strategies in the Spanish Sport Horse population. <i>Livestock Science</i> , 2017, 200, 23-28. | 1.6 | 6 |
| 35 | Designing an early selection morphological linear traits index for dressage in the Pura Raza Española horse. <i>Animal</i> , 2017, 11, 948-957. | 3.3 | 29 |
| 36 | Assessment of sportive longevity in Pura Raza Española dressage horses. <i>Livestock Science</i> , 2017, 203, 69-75. | 1.6 | 6 |

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|----|---|-----|-----------|
| 37 | Heritability and factors associated with number of harness race starts in the Spanish Trotter horse population. <i>Equine Veterinary Journal</i> , 2017, 49, 288-293. | 1.7 | 10 |
| 38 | Quantitative analysis of short- and long-distance racing performance in young and adult horses and association analysis with functional candidate genes in Spanish Trotter horses. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 347-356. | 2.0 | 8 |
| 39 | Crossbreed genetic performance study in the eventing horse competition. <i>Animal Production Science</i> , 2016, 56, 1454. | 1.3 | 3 |
| 40 | Genetic study of stress assessed with infrared thermography during dressage competitions in the Pura Raza Española horse. <i>Applied Animal Behaviour Science</i> , 2016, 174, 58-65. | 1.9 | 22 |
| 41 | Molecular diversity between two cohorts of six Spanish riding-horse breeds: Impact of selection in Crossbred vs Purebred populations. <i>Livestock Science</i> , 2016, 193, 88-91. | 1.6 | 4 |
| 42 | Relative contribution of electrical stimulation to beef tenderness compared to other production factors. <i>Canadian Journal of Animal Science</i> , 2016, 96, 104-107. | 1.5 | 5 |
| 43 | Behavioural linear standardized scoring system of the Lidia cattle breed by testing in herd: estimation of genetic parameters. <i>Journal of Animal Breeding and Genetics</i> , 2016, 133, 414-421. | 2.0 | 7 |
| 44 | Relationship between morphology and performance: Signature of mass-selection in Pura Raza Española horse. <i>Livestock Science</i> , 2016, 185, 148-155. | 1.6 | 22 |
| 45 | Carcass and Meat Quality Traits in an Embden-Toulouse Goose Cross Raised in Organic & Dehesa. <i>Asian-Australasian Journal of Animal Sciences</i> , 2016, 29, 838-844. | 2.4 | 9 |
| 46 | Association analysis of g.68Gâ€ˆâ€™â€™A SNP in CAPN1 gene with carcass and meat quality traits in goose raised in organic & dehesa. <i>Archives Animal Breeding</i> , 2016, 59, 423-428. | 1.4 | 2 |
| 47 | Short communication: Analysis of polymorphisms in candidateâ€™s genes for meat quality in Lidia cattle. <i>Spanish Journal of Agricultural Research</i> , 2016, 14, e045C02. | 0.6 | 0 |
| 48 | Contribution of Lidia cattle breed historical castes to the paternal genetic stock of Spain. <i>Animal Genetics</i> , 2015, 46, 312-315. | 1.7 | 8 |
| 49 | A reaction norm model approach to estimate the genetic effect of temperature on sportive performance of trotter horses. <i>Journal of Animal Breeding and Genetics</i> , 2015, 132, 256-267. | 2.0 | 5 |
| 50 | 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. | 2.0 | 25 |
| 51 | Genetic analysis of kinematic traits at the trot in Lusitano horse subpopulations with different types of training. <i>Animal</i> , 2014, 8, 192-199. | 3.3 | 8 |
| 52 | 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. <i>Theriogenology</i> , 2014, 81, 1116-1122. | 2.1 | 19 |
| 53 | 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. | 1.6 | 5 |
| 54 | Estimation of genetic parameters for morphological and functional traits in a Menorca horse population. <i>Spanish Journal of Agricultural Research</i> , 2014, 12, 125. | 0.6 | 12 |

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|----|---|-----|-----------|
| 55 | Implementation of Optimum Contributions Selection in endangered local breeds: the case of the Menorca Horse population. <i>Journal of Animal Breeding and Genetics</i> , 2013, 130, 218-226. | 2.0 | 11 |
| 56 | Kinematic Characterization of the Menorca Horse at the Walk and the Trot: Influence of Hind Limb Pastern Angle. <i>Journal of Equine Veterinary Science</i> , 2013, 33, 726-732. | 0.9 | 8 |
| 57 | Genetic (co)variance components across age for Show Jumping performance as an estimation of phenotypic plasticity ability in Spanish horses. <i>Journal of Animal Breeding and Genetics</i> , 2013, 130, 190-198. | 2.0 | 18 |
| 58 | Evaluation of conformation against traits associated with dressage ability in unriden Iberian horses at the trot. <i>Research in Veterinary Science</i> , 2013, 95, 660-666. | 1.9 | 13 |
| 59 | Genetic analyses for linear conformation traits in Pura Raza Española horses. <i>Livestock Science</i> , 2013, 157, 57-64. | 1.6 | 29 |
| 60 | Using eye temperature and heart rate for stress assessment in young horses competing in jumping competitions and its possible influence on sport performance. <i>Animal</i> , 2013, 7, 2044-2053. | 3.3 | 77 |
| 61 | Genetic analysis of haematological and plasma biochemical parameters in the Spanish purebred horse exercised on a treadmill. <i>Animal</i> , 2013, 7, 1414-1422. | 3.3 | 9 |
| 62 | Relationship between conformation traits and gait characteristics in Pura Raza Española horses. <i>Archives Animal Breeding</i> , 2013, 56, 137-148. | 1.4 | 11 |
| 63 | Investigating a complex genotype-phenotype map for the development of methods to predict genetic values based on genome-wide marker data – a simulation study for the livestock perspective. <i>Archives Animal Breeding</i> , 2013, 56, 380-398. | 1.4 | 2 |
| 64 | Analyses of conformational performance differentiation among functional breeding goals in the Menorca horse breed. <i>Archives Animal Breeding</i> , 2013, 56, 367-379. | 1.4 | 1 |
| 65 | Instrumental colour measurement as a tool for light veal carcasses online evaluation. <i>Archives Animal Breeding</i> , 2013, 56, 851-860. | 1.4 | 1 |
| 66 | Quantifying the relative contribution of ante- and post-mortem factors to the variability in beef texture. <i>Animal</i> , 2012, 6, 1878-1887. | 3.3 | 20 |
| 67 | Changes in Eye Temperature and Stress Assessment in Horses During Show Jumping Competitions. <i>Journal of Equine Veterinary Science</i> , 2012, 32, 827-830. | 0.9 | 112 |
| 68 | Morphological and genetic characterization of Spanish heavy horse breeds: Implications for their conservation. <i>Livestock Science</i> , 2012, 144, 57-66. | 1.6 | 15 |
| 69 | 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. | 2.0 | 109 |
| 70 | Estimation of genetic parameters for the annual earnings at different race distances in young and adult Trotter Horses using a Random Regression Model. <i>Livestock Science</i> , 2011, 137, 87-94. | 1.6 | 2 |
| 71 | Genetic evaluation of racing performance in trotter horses by competitive models. <i>Livestock Science</i> , 2011, 140, 155-160. | 1.6 | 14 |
| 72 | Influence of foreign breeds on the genetic structure of the Spanish Sport Horse population. <i>Livestock Science</i> , 2011, 142, 70-79. | 1.6 | 26 |

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|----|--|-----|-----------|
| 73 | Pedigree estimation of the (sub) population contribution to the total gene diversity: the horse coat colour case. <i>Animal</i> , 2010, 4, 867-875. | 3.3 | 15 |
| 74 | Estimation of genetic parameters for racing speed at different distances in young and adult Spanish Trotter horses using the random regression model. <i>Journal of Animal Breeding and Genetics</i> , 2010, 127, 385-394. | 2.0 | 14 |
| 75 | Genetic analysis of racing performance of trotter horses in Spain. <i>Livestock Science</i> , 2010, 127, 197-204. | 1.6 | 23 |
| 76 | Water Holding Capacity and PH of Meat from the Wild Rabbit (<i>Oryctolagus cuniculus algirus</i>) Hunted Specimens. <i>Journal of Animal and Veterinary Advances</i> , 2010, 9, 1560-1564. | 0.1 | 0 |
| 77 | Genetic improvement of wool production in Spanish Merino sheep: genetic parameters and simulation of selection strategies. <i>Animal Production Science</i> , 2009, 49, 43. | 1.3 | 10 |
| 78 | Genealogical analyses in open populations: the case of three Arab-derived Spanish horse breeds. <i>Journal of Animal Breeding and Genetics</i> , 2009, 126, 335-347. | 2.0 | 30 |
| 79 | Assessment of inbreeding depression for body measurements in Spanish Purebred (Andalusian) horses. <i>Livestock Science</i> , 2009, 122, 149-155. | 1.6 | 54 |
| 80 | Size and shape analysis of morphofunctional traits in the Spanish Arab horse. <i>Livestock Science</i> , 2009, 125, 43-49. | 1.6 | 42 |
| 81 | Breed effect on carcass and meat quality of foals slaughtered at 24 months of age. <i>Meat Science</i> , 2009, 83, 224-228. | 5.5 | 66 |
| 82 | Meat and fat quality of unweaned lambs as affected by slaughter weight and breed. <i>Meat Science</i> , 2009, 83, 308-313. | 5.5 | 55 |
| 83 | Sire × stud interaction for body measurement traits in Spanish Purebred horses. <i>Journal of Animal Science</i> , 2009, 87, 2502-2509. | 0.5 | 12 |
| 84 | 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. | 2.0 | 86 |
| 85 | Individual increase in inbreeding allows estimating effective sizes from pedigrees. <i>Genetics Selection Evolution</i> , 2008, 40, 359-78. | 3.0 | 139 |
| 86 | Genetic parameters of biokinematic variables of the trot in Spanish Purebred horses under experimental treadmill conditions. <i>Veterinary Journal</i> , 2008, 178, 219-226. | 1.7 | 17 |
| 87 | Population history and genetic variability in the Spanish Arab Horse assessed via pedigree analysis. <i>Livestock Science</i> , 2008, 113, 24-33. | 1.6 | 60 |
| 88 | Genetic parameters of biokinematic variables at walk in the Spanish Purebred (Andalusian) horse using experimental treadmill records. <i>Livestock Science</i> , 2008, 116, 137-145. | 1.6 | 15 |
| 89 | Estimation of factors influencing fatty acid profiles in light lambs. <i>Meat Science</i> , 2008, 79, 203-210. | 5.5 | 39 |
| 90 | Individual increase in inbreeding allows estimating effective sizes from pedigrees. <i>Genetics Selection Evolution</i> , 2008, 40, 359-378. | 3.0 | 8 |

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|----|--|-----|-----------|
| 91 | Random regression model of growth during the first three months of age in Spanish Merino sheep ^{1,2} . <i>Journal of Animal Science</i> , 2007, 85, 2830-2839. | 0.5 | 25 |
| 92 | Genetic characterization of the Spanish Trotter horse breed using microsatellite markers. <i>Genetics and Molecular Biology</i> , 2007, 30, 37-42. | 1.3 | 21 |
| 93 | Genetic study of gestation length in andalusian and arabian mares. <i>Animal Reproduction Science</i> , 2006, 95, 75-96. | 1.5 | 59 |
| 94 | The Lusitano horse maternal lineage based on mitochondrial D-loop sequence variation. <i>Animal Genetics</i> , 2005, 36, 196-202. | 1.7 | 39 |
| 95 | 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 |
| 96 | Genetic parameters of morphofunctional traits in Andalusian horse. <i>Livestock Science</i> , 1999, 60, 295-303. | 1.2 | 68 |
| 97 | The effect of bovine amniotic fluid on in vitro maturation of bovine oocytes. <i>British Veterinary Journal</i> , 1995, 151, 547-554. | 0.5 | 0 |
| 98 | The influence of different types of media supplement on the meiotic maturation of bovine oocytes in vitro. <i>Theriogenology</i> , 1994, 41, 405-411. | 2.1 | 7 |