

# Baldassare Portolano

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,240  
citations

218592

26  
h-index

254106

43  
g-index

80  
all docs

80  
docs citations

80  
times ranked

2185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Copy Number Variations and Genetic Diversity in Italian Insular Sheep Breeds. <i>Animals</i> , 2022, 12, 217.	1.0	12
2	Genome-wide assessment of diversity and differentiation between original and modern Brown cattle populations. <i>Animal Genetics</i> , 2021, 52, 21-31.	0.6	20
3	Genome-Wide Association Study Identifies New Candidate Markers for Somatic Cells Score in a Local Dairy Sheep. <i>Frontiers in Genetics</i> , 2021, 12, 643531.	1.1	13
4	Genome-Wide Patterns of Homozygosity Reveal the Conservation Status in Five Italian Goat Populations. <i>Animals</i> , 2021, 11, 1510.	1.0	13
5	Genome-wide analyses reveal the regions involved in the phenotypic diversity in Sicilian pigs. <i>Animal Genetics</i> , 2020, 51, 101-105.	0.6	14
6	Genomic Structural Diversity in Local Goats: Analysis of Copy-Number Variations. <i>Animals</i> , 2020, 10, 1040.	1.0	7
7	Genome-wide detection of copy-number variations in local cattle breeds. <i>Animal Production Science</i> , 2019, 59, 815.	0.6	9
8	Effect of <i>Mycoplasma agalactiae</i> mastitis on milk production and composition in Valle dell Belice dairy sheep. <i>Italian Journal of Animal Science</i> , 2019, 18, 1067-1072.	0.8	5
9	Novel and known signals of selection for fat deposition in domestic sheep breeds from Africa and Eurasia. <i>PLoS ONE</i> , 2019, 14, e0209632.	1.1	43
10	Genome-wide analysis identifies potentially causative genes explaining the phenotypic variability in Pinzirita sheep. <i>Animal Genetics</i> , 2019, 50, 189-190.	0.6	5
11	Combined approaches to identify genomic regions involved in phenotypic differentiation between low divergent breeds: Application in Sardinian sheep populations. <i>Journal of Animal Breeding and Genetics</i> , 2019, 136, 526-534.	0.8	11
12	Genome-wide association study between CNVs and milk production traits in Valle del Belice sheep. <i>PLoS ONE</i> , 2019, 14, e0215204.	1.1	31
13	Genome-wide association studies for milk production traits in Valle del Belice sheep using repeated measures. <i>Animal Genetics</i> , 2019, 50, 311-314.	0.6	14
14	Variation of proteomic profile during lactation in Girgentana goat milk: a preliminary study. <i>Italian Journal of Animal Science</i> , 2019, 18, 88-97.	0.8	7
15	A genomic map of climate adaptation in Mediterranean cattle breeds. <i>Molecular Ecology</i> , 2019, 28, 1009-1029.	2.0	46
16	Runs of homozygosity reveal genome-wide autozygosity in Italian sheep breeds. <i>Animal Genetics</i> , 2018, 49, 71-81.	0.6	67
17	Penalized classification for optimal statistical selection of markers from high-throughput genotyping: application in sheep breeds. <i>Animal</i> , 2018, 12, 1118-1125.	1.3	3
18	Determination of milk production losses and variations of fat and protein percentages according to different levels of somatic cell count in Valle del Belice dairy sheep. <i>Small Ruminant Research</i> , 2018, 162, 39-42.	0.6	12

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19	Preselection statistics and Random Forest classification identify population informative single nucleotide polymorphisms in cosmopolitan and autochthonous cattle breeds. <i>Animal</i> , 2018, 12, 12-19.	1.3	25
20	Genome-wide association study reveals the locus responsible for microtia in Valle del Belice sheep breed. <i>Animal Genetics</i> , 2018, 49, 636-640.	0.6	10
21	Genome-wide analysis in endangered populations: a case study in Barbaresca sheep. <i>Animal</i> , 2017, 11, 1107-1116.	1.3	45
22	Population genetic structure and milk production traits in Girgentana goat breed. <i>Animal Production Science</i> , 2017, 57, 430.	0.6	4
23	Full-length sequencing and identification of novel polymorphisms in the ACACA gene of Valle del Belice sheep breed. <i>Journal of Genetics</i> , 2017, 96, 591-597.	0.4	5
24	Genome-wide scan for runs of homozygosity identifies potential candidate genes associated with local adaptation in Valle del Belice sheep. <i>Genetics Selection Evolution</i> , 2017, 49, 84.	1.2	146
25	Assessment of genetic variation for pathogen-specific mastitis resistance in Valle del Belice dairy sheep. <i>BMC Veterinary Research</i> , 2016, 12, 158.	0.7	10
26	Genomic inbreeding estimation in small populations: evaluation of runs of homozygosity in three local dairy cattle breeds. <i>Animal</i> , 2016, 10, 746-754.	1.3	129
27	Microbial Activation of Wooden Vats Used for Traditional Cheese Production and Evolution of Neofomed Biofilms. <i>Applied and Environmental Microbiology</i> , 2016, 82, 585-595.	1.4	41
28	Valorization of indigenous dairy cattle breed through salami production. <i>Meat Science</i> , 2016, 114, 58-68.	2.7	13
29	Association study between $\beta$ -defensin gene polymorphisms and mastitis resistance in Valle del Belice dairy sheep breed. <i>Small Ruminant Research</i> , 2016, 136, 18-21.	0.6	11
30	Whole mitochondrial genomes unveil the impact of domestication on goat matrilineal variability. <i>BMC Genomics</i> , 2015, 16, 1115.	1.2	56
31	Molecular Characterisation of $\kappa$ -Casein Gene in Girgentana Dairy Goat Breed and Identification of Two New Alleles. <i>Italian Journal of Animal Science</i> , 2015, 14, 3464.	0.8	9
32	Genetic selection for reduced somatic cell counts in sheep milk: A review. <i>Small Ruminant Research</i> , 2015, 126, 33-42.	0.6	16
33	Application of microsatellite markers as potential tools for traceability of Girgentana goat breed dairy products. <i>Food Research International</i> , 2015, 74, 115-122.	2.9	33
34	Genetic Variability at $\kappa$ -casein Gene in Girgentana Dairy Goat Breed. <i>Italian Journal of Animal Science</i> , 2014, 13, 2997.	0.8	7
35	Genome wide linkage disequilibrium and genetic structure in Sicilian dairy sheep breeds. <i>BMC Genetics</i> , 2014, 15, 108.	2.7	33
36	Genetic Characterisation of CSN2 Gene in Girgentana Goat Breed. <i>Italian Journal of Animal Science</i> , 2014, 13, 3414.	0.8	12

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37	In vivo application and dynamics of lactic acid bacteria for the four-season production of Vastedda-like cheese. <i>International Journal of Food Microbiology</i> , 2014, 177, 37-48.	2.1	26
38	Identification, typing and investigation of the dairy characteristics of lactic acid bacteria isolated from "Vastedda della valle del Belice" cheeses. <i>Dairy Science and Technology</i> , 2014, 94, 157-180.	2.2	38
39	Development and validation of RP-HPLC method for the quantitative estimation of $\beta$ -casein genetic variants in goat milk. <i>Food Chemistry</i> , 2014, 156, 165-169.	4.2	7
40	The genome-wide structure of two economically important indigenous Sicilian cattle breeds <sup>1</sup> . <i>Journal of Animal Science</i> , 2014, 92, 4833-4842.	0.2	31
41	Analysis of the influence of the PrP genotype on the litter size in Polish sheep using classification trees and logistic regression. <i>Livestock Science</i> , 2014, 159, 11-17.	0.6	9
42	Parentage verification of Valle del Belice dairy sheep using multiplex microsatellite panel. <i>Small Ruminant Research</i> , 2013, 113, 62-65.	0.6	12
43	Estimation of genetic and phenotypic parameters for bacteriological status of the udder, somatic cell score, and milk yield in dairy sheep using a threshold animal model. <i>Livestock Science</i> , 2013, 151, 134-139.	0.6	17
44	Receiver-operating characteristic curves for somatic cell scores and California mastitis test in Valle del Belice dairy sheep. <i>Veterinary Journal</i> , 2013, 196, 528-532.	0.6	11
45	Effect of hairless gene polymorphism on the breeding values of milk production traits in Valle del Belice dairy sheep. <i>Livestock Science</i> , 2013, 154, 60-63.	0.6	1
46	Genetic polymorphism at the CSN1S1 gene in Girgentana dairy goat breed. <i>Animal Production Science</i> , 2013, 53, 403.	0.6	15
47	Genetic diversity and population structure of Sicilian sheep breeds using microsatellite markers. <i>Small Ruminant Research</i> , 2012, 102, 18-25.	0.6	41
48	Study of polymorphisms in the promoter region of ovine $\beta$ -lactoglobulin gene and phylogenetic analysis among the Valle del Belice breed and other sheep breeds considered as ancestors. <i>Molecular Biology Reports</i> , 2012, 39, 745-751.	1.0	14
49	Polymorphisms of beta-lactoglobulin promoter region in three Sicilian goat breeds. <i>Molecular Biology Reports</i> , 2012, 39, 3203-3210.	1.0	10
50	A melanocortin 1 receptor ( <i>MC1R</i> ) gene polymorphism is useful for authentication of Massese sheep dairy products. <i>Journal of Dairy Research</i> , 2011, 78, 122-128.	0.7	21
51	A first comparative map of copy number variations in the sheep genome. <i>Genomics</i> , 2011, 97, 158-165.	1.3	103
52	Coat colours in the Massese sheep breed are associated with mutations in the agouti signalling protein (ASIP) and melanocortin 1 receptor (MC1R) genes. <i>Animal</i> , 2011, 5, 8-17.	1.3	68
53	Hierarchical structure of the Sicilian goats revealed by Bayesian analyses of microsatellite information. <i>Animal Genetics</i> , 2011, 42, 93-95.	0.6	8
54	Economic values for production and functional traits in Valle del Belice dairy sheep using profit functions. <i>Small Ruminant Research</i> , 2011, 97, 41-47.	0.6	18

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55	Polymorphisms of $\beta$ -defensin genes in Valle del Belice dairy sheep. <i>Molecular Biology Reports</i> , 2011, 38, 5405-5412.	1.0	9
56	Sequence characterization of the melanocortin 1 receptor (MC1R) gene in sheep with different coat colours and identification of the putative e allele at the ovine Extension locus. <i>Small Ruminant Research</i> , 2010, 91, 200-207.	0.6	37
57	Genetic parameters for somatic cell score according to udder infection status in Valle del Belice dairy sheep and impact of imperfect diagnosis of infection. <i>Genetics Selection Evolution</i> , 2010, 42, 30.	1.2	20
58	An initial comparative map of copy number variations in the goat ( <i>Capra hircus</i> ) genome. <i>BMC Genomics</i> , 2010, 11, 639.	1.2	120
59	Missense and nonsense mutations in melanocortin 1 receptor (MC1R) gene of different goat breeds: association with red and black coat colour phenotypes but with unexpected evidences. <i>BMC Genetics</i> , 2009, 10, 47.	2.7	85
60	Copy Number Variation and Missense Mutations of the Agouti Signaling Protein (&i&tASIP)&i&t; Gene in Goat Breeds with Different Coat Colors. <i>Cytogenetic and Genome Research</i> , 2009, 126, 333-347.	0.6	125
61	Effect of somatic cell count level on functional longevity in Valle del Belice dairy sheep assessed using survival analysis. <i>Journal of Dairy Science</i> , 2009, 92, 6160-6166.	1.4	8
62	Study of $\beta$ -defensin polymorphisms in Valle del Belice dairy sheep. <i>Italian Journal of Animal Science</i> , 2009, 8, 111-113.	0.8	3
63	Identification of SNPs in the promoter of $\beta$ -lactoglobulin gene in three Sicilian goat breeds. <i>Italian Journal of Animal Science</i> , 2009, 8, 147-149.	0.8	1
64	Comparison of casein haplotypes between two geographically distant European dairy goat breeds. <i>Journal of Animal Breeding and Genetics</i> , 2008, 125, 68-72.	0.8	8
65	Chromosomal assignment of the ovine hairless (hr) gene by fluorescence insitu hybridization. <i>Hereditas</i> , 2008, 145, 258-261.	0.5	1
66	Short Communication: Casein Haplotype Variability in Sicilian Dairy Goat Breeds. <i>Journal of Dairy Science</i> , 2008, 91, 3687-3692.	1.4	23
67	Prion protein gene frequencies in three Sicilian dairy sheep populations. <i>Italian Journal of Animal Science</i> , 2008, 7, 87-94.	0.8	6
68	Time-to-event analysis of mastitis at first-lactation in Valle del Belice ewes. <i>Livestock Science</i> , 2007, 110, 273-279.	0.6	2
69	Genetic Parameters for Milk Somatic Cell Score and Relationships with Production Traits in Primiparous Dairy Sheep. <i>Journal of Dairy Science</i> , 2007, 90, 1998-2003.	1.4	30
70	Effect of weather conditions on somatic cell score in Sicilian Valle del Belice ewe. <i>Italian Journal of Animal Science</i> , 2007, 6, 130-132.	0.8	8
71	Comparison of selection criteria for milk yield traits of Valle del Belice dairy sheep. <i>Livestock Science</i> , 2006, 99, 277-284.	0.6	1
72	Phylogenetic analysis of Sicilian goats reveals a new mtDNA lineage. <i>Animal Genetics</i> , 2006, 37, 376-378.	0.6	62

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73	Effect of Heat Stress on Production of Mediterranean Dairy Sheep. <i>Journal of Dairy Science</i> , 2005, 88, 1855-1864.	1.4	116
74	Demographic characterization and genetic variability of the Girgentana goat breed by the analysis of genealogical data. <i>Italian Journal of Animal Science</i> , 2004, 3, 41-45.	0.8	22
75	The hairless (hr) gene is involved in the congenital hypotrichosis of Valle del Belice sheep. <i>Genetics Selection Evolution</i> , 2003, 35, S147-56.	1.2	17
76	Estimation of the genetic and phenotypic variance of several growth traits of the Sicilian Girgentana goat. <i>Small Ruminant Research</i> , 2002, 45, 247-253.	0.6	36
77	Genetic and environmental sources of variation for milk yield traits in Barbaresca siciliana breed. <i>Small Ruminant Research</i> , 2001, 41, 195-202.	0.6	9
78	Effect of $\beta$ -lactoglobulin polymorphism on milk-related traits of dairy ewes analysed by a repeated measures design. <i>Journal of Dairy Research</i> , 2000, 67, 443-448.	0.7	16
79	Lactation Curves of Valle del Belice Dairy Ewes for Yields of Milk, Fat, and Protein Estimated with Test Day Models. <i>Journal of Dairy Science</i> , 1997, 80, 3023-3029.	1.4	57
80	Application of the Wood model to lactation curves of Comisana sheep. <i>Small Ruminant Research</i> , 1997, 24, 7-13.	0.6	31