Baldassare Portolano

List of Publications by Year
in descending order

80 papers	2,240 citations	218381 26 h-index	253896 43 g-index
80 all docs	80 docs citations	80 times ranked	2185 citing authors

#	Article	IF	Citations
1	Genome-wide scan for runs of homozygosity identifies potential candidate genes associated with local adaptation in Valle del Belice sheep. Genetics Selection Evolution, 2017, 49, 84.	1.2	146
2	Genomic inbreeding estimation in small populations: evaluation of runs of homozygosity in three local dairy cattle breeds. Animal, 2016, 10, 746-754.	1.3	129
3	Copy Number Variation and Missense Mutations of the Agouti Signaling Protein (<i>ASIP)</i> Gene in Goat Breeds with Different Coat Colors. Cytogenetic and Genome Research, 2009, 126, 333-347.	0.6	125
4	An initial comparative map of copy number variations in the goat (Capra hircus) genome. BMC Genomics, 2010, 11, 639.	1.2	120
5	Effect of Heat Stress on Production of Mediterranean Dairy Sheep. Journal of Dairy Science, 2005, 88, 1855-1864.	1.4	116
6	A first comparative map of copy number variations in the sheep genome. Genomics, 2011, 97, 158-165.	1.3	103
7	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. BMC Genetics, 2009, 10, 47.	2.7	85
8	Coat colours in the Massese sheep breed are associated with mutations in the agouti signalling protein (ASIP) and melanocortin 1 receptor (MC1R) genes. Animal, 2011, 5, 8-17.	1.3	68
9	Runs of homozygosity reveal genomeâ€wide autozygosity in Italian sheep breeds. Animal Genetics, 2018, 49, 71-81.	0.6	67
10	Phylogenetic analysis of Sicilian goats reveals a new mtDNA lineage. Animal Genetics, 2006, 37, 376-378.	0.6	62
11	Lactation Curves of Valle del Belice Dairy Ewes for Yields of Milk, Fat, and Protein Estimated with Test Day Models. Journal of Dairy Science, 1997, 80, 3023-3029.	1.4	57
12	Whole mitochondrial genomes unveil the impact of domestication on goat matrilineal variability. BMC Genomics, 2015, 16, 1115.	1.2	56
13	A genomic map of climate adaptation in Mediterranean cattle breeds. Molecular Ecology, 2019, 28, 1009-1029.	2.0	46
14	Genome-wide analysis in endangered populations: a case study in Barbaresca sheep. Animal, 2017, 11, 1107-1116.	1.3	45
15	Novel and known signals of selection for fat deposition in domestic sheep breeds from Africa and Eurasia. PLoS ONE, 2019, 14, e0209632.	1.1	43
16	Genetic diversity and population structure of Sicilian sheep breeds using microsatellite markers. Small Ruminant Research, 2012, 102, 18-25.	0.6	41
17	Microbial Activation of Wooden Vats Used for Traditional Cheese Production and Evolution of Neoformed Biofilms. Applied and Environmental Microbiology, 2016, 82, 585-595.	1.4	41
18	Identification, typing and investigation of the dairy characteristics of lactic acid bacteria isolated from â€œVastedda della valle del BelÃ¬ceâ€•cheeses. Dairy Science and Technology, 2014, 94, 157-180.	2.2	38

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19	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. Small Ruminant Research, 2010, 91, 200-207.	0.6	37
20	Estimation of the genetic and phenotypic variance of several growth traits of the Sicilian Girgentana goat. Small Ruminant Research, 2002, 45, 247-253.	0.6	36
21	Genome wide linkage disequilibrium and genetic structure in Sicilian dairy sheep breeds. BMC Genetics, 2014, 15, 108.	2.7	33
22	Application of microsatellite markers as potential tools for traceability of Girgentana goat breed dairy products. Food Research International, 2015, 74, 115-122.	2.9	33
23	Application of the Wood model to lactation curves of Comisana sheep. Small Ruminant Research, 1997, 24, 7-13.	0.6	31
24	The genome-wide structure of two economically important indigenous Sicilian cattle breeds1. Journal of Animal Science, 2014, 92, 4833-4842.	0.2	31
25	Genome-wide association study between CNVs and milk production traits in Valle del Belice sheep. PLoS ONE, 2019, 14, e0215204.	1.1	31
26	Genetic Parameters for Milk Somatic Cell Score and Relationships with Production Traits in Primiparous Dairy Sheep. Journal of Dairy Science, 2007, 90, 1998-2003.	1.4	30
27	In vivo application and dynamics of lactic acid bacteria for the four-season production of Vastedda-like cheese. International Journal of Food Microbiology, 2014, 177, 37-48.	2.1	26
28	Preselection statistics and Random Forest classification identify population informative single nucleotide polymorphisms in cosmopolitan and autochthonous cattle breeds. Animal, 2018, 12, 12-19.	1.3	25
29	Short Communication: Casein Haplotype Variability in Sicilian Dairy Goat Breeds. Journal of Dairy Science, 2008, 91, 3687-3692.	1.4	23
30	Demographic characterization and genetic variability of the Girgentana goat breed by the analysis of genealogical data. Italian Journal of Animal Science, 2004, 3, 41-45.	0.8	22
31	A melanocortin 1 receptor (MC1R) gene polymorphism is useful for authentication of Massese sheep dairy products. Journal of Dairy Research, 2011, 78, 122-128.	0.7	21
32	Genetic parameters for somatic cell score according to udder infection status in Valle del Belice dairy sheep and impact of imperfect diagnosis of infection. Genetics Selection Evolution, 2010, 42, 30.	1.2	20
33	Genomeâ€wide assessment of diversity and differentiation between original and modern Brown cattle populations. Animal Genetics, 2021, 52, 21-31.	0.6	20
34	Economic values for production and functional traits in Valle del Belice dairy sheep using profit functions. Small Ruminant Research, 2011, 97, 41-47.	0.6	18
35	The hairless (hr) gene is involved in the congenital hypotrichosis of Valle del Belice sheep. Genetics Selection Evolution, 2003, 35, S147-56.	1.2	17
36	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. Livestock Science, 2013, 151, 134-139.	0.6	17

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37	Effect of Î²-lactoglobulin polymorphism on milk-related traits of dairy ewes analysed by a repeated measures design. Journal of Dairy Research, 2000, 67, 443-448.	0.7	16
38	Genetic selection for reduced somatic cell counts in sheep milk: A review. Small Ruminant Research, 2015, 126, 33-42.	0.6	16
39	Genetic polymorphism at the CSN1S1 gene in Girgentana dairy goat breed. Animal Production Science, 2013, 53, 403.	0.6	15
40	Study of polymorphisms in the promoter region of ovine Î²-lactoglobulin gene and phylogenetic analysis among the Valle del Belice breed and other sheep breeds considered as ancestors. Molecular Biology Reports, 2012, 39, 745-751.	1.0	14
41	Genomeâ€wide association studies for milk production traits in Valle del Belice sheep using repeated measures. Animal Genetics, 2019, 50, 311-314.	0.6	14
42	Genomeâ€wide analyses reveal the regions involved in the phenotypic diversity in Sicilian pigs. Animal Genetics, 2020, 51, 101-105.	0.6	14
43	Valorization of indigenous dairy cattle breed through salami production. Meat Science, 2016, 114, 58-68.	2.7	13
44	Genome-Wide Association Study Identifies New Candidate Markers for Somatic Cells Score in a Local Dairy Sheep. Frontiers in Genetics, 2021, 12, 643531.	1.1	13
45	Genome-Wide Patterns of Homozygosity Reveal the Conservation Status in Five Italian Goat Populations. Animals, 2021, 11, 1510.	1.0	13
46	Parentage verification of Valle del Belice dairy sheep using multiplex microsatellite panel. Small Ruminant Research, 2013, 113, 62-65.	0.6	12
47	Genetic Characterisation ofCSN2Gene inGirgentanaGoat Breed. Italian Journal of Animal Science, 2014, 13, 3414.	0.8	12
48	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. Small Ruminant Research, 2018, 162, 39-42.	0.6	12
49	Identification of Copy Number Variations and Genetic Diversity in Italian Insular Sheep Breeds. Animals, 2022, 12, 217.	1.0	12
50	Receiver-operating characteristic curves for somatic cell scores and California mastitis test in Valle del Belice dairy sheep. Veterinary Journal, 2013, 196, 528-532.	0.6	11
51	Association study between Î²-defensin gene polymorphisms and mastitis resistance in Valle del Belice dairy sheep breed. Small Ruminant Research, 2016, 136, 18-21.	0.6	11
52	Combined approaches to identify genomic regions involved in phenotypic differentiation between low divergent breeds: Application in Sardinian sheep populations. Journal of Animal Breeding and Genetics, 2019, 136, 526-534.	0.8	11
53	Polymorphisms of beta-lactoglobulin promoter region in three Sicilian goat breeds. Molecular Biology Reports, 2012, 39, 3203-3210.	1.0	10
54	Assessment of genetic variation for pathogen-specific mastitis resistance in Valle del Belice dairy sheep. BMC Veterinary Research, 2016, 12, 158.	0.7	10

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55	Genomeâ€wide association study reveals the locus responsible for microtia in Valle del Belice sheep breed. Animal Genetics, 2018, 49, 636-640.	0.6	10
56	Genetic and environmental sources of variation for milk yield traits in Barbaresca siciliana breed. Small Ruminant Research, 2001, 41, 195-202.	0.6	9
57	Polymorphisms of Î²-defensin genes in Valle del Belice dairy sheep. Molecular Biology Reports, 2011, 38, 5405-5412.	1.0	9
58	Analysis of the influence of the PrP genotype on the litter size in Polish sheep using classification trees and logistic regression. Livestock Science, 2014, 159, 11-17.	0.6	9
59	Molecular Characterisation ofÎºâ€“CaseinGene inGirgentanaDairy Goat Breed and Identification of Two New Alleles. Italian Journal of Animal Science, 2015, 14, 3464.	0.8	9
60	Genome-wide detection of copy-number variations in local cattle breeds. Animal Production Science, 2019, 59, 815.	0.6	9
61	Effect of weather conditions on somatic cell score in Sicilian Valle del Belice ewe. Italian Journal of Animal Science, 2007, 6, 130-132.	0.8	8
62	Comparison of casein haplotypes between two geographically distant European dairy goat breeds. Journal of Animal Breeding and Genetics, 2008, 125, 68-72.	0.8	8
63	Effect of somatic cell count level on functional longevity in Valle del Belice dairy sheep assessed using survival analysis. Journal of Dairy Science, 2009, 92, 6160-6166.	1.4	8
64	Hierarchical structure of the Sicilian goats revealed by Bayesian analyses of microsatellite information. Animal Genetics, 2011, 42, 93-95.	0.6	8
65	Genetic Variability atÎ±s2-caseinGene inGirgentanaDairy Goat Breed. Italian Journal of Animal Science, 2014, 13, 2997.	0.8	7
66	Development and validation of RP-HPLC method for the quantitative estimation of Î±s1-genetic variants in goat milk. Food Chemistry, 2014, 156, 165-169.	4.2	7
67	Variation of proteomic profile during lactation in Girgentana goat milk: a preliminary study. Italian Journal of Animal Science, 2019, 18, 88-97.	0.8	7
68	Genomic Structural Diversity in Local Goats: Analysis of Copy-Number Variations. Animals, 2020, 10, 1040.	1.0	7
69	Prion protein gene frequencies in three Sicilian dairy sheep populations. Italian Journal of Animal Science, 2008, 7, 87-94.	0.8	6
70	Full-length sequencing and identification of novel polymorphisms in the ACACA gene of Valle del Belice sheep breed. Journal of Genetics, 2017, 96, 591-597.	0.4	5
71	Effect of Mycoplasma agalactiae mastitis on milk production and composition in Valle dell Belice dairy sheep. Italian Journal of Animal Science, 2019, 18, 1067-1072.	0.8	5
72	Genomeâ€wide analysis identifies potentially causative genes explaining the phenotypic variability in Pinzirita sheep. Animal Genetics, 2019, 50, 189-190.	0.6	5

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73	Population genetic structure and milk production traits in Girgentana goat breed. Animal Production Science, 2017, 57, 430.	0.6	4
74	Study of Î²-defensin polymorphisms in Valle del Belice dairy sheep. Italian Journal of Animal Science, 2009, 8, 111-113.	0.8	3
75	Penalized classification for optimal statistical selection of markers from high-throughput genotyping: application in sheep breeds. Animal, 2018, 12, 1118-1125.	1.3	3
76	Time-to-event analysis of mastitis at first-lactation in Valle del Belice ewes. Livestock Science, 2007, 110, 273-279.	0.6	2
77	Comparison of selection criteria for milk yield traits of Valle del Belice dairy sheep. Livestock Science, 2006, 99, 277-284.	0.6	1
78	Chromosomal assignment of the ovine hairless (hr) gene by fluorescence insitu hybridization. Hereditas, 2008, 145, 258-261.	0.5	1
79	Identification of SNPs in the promoter of Î²-lactoglobulin gene in three Sicilian goat breeds. Italian Journal of Animal Science, 2009, 8, 147-149.	0.8	1
80	Effect of hairless gene polymorphism on the breeding values of milk production traits in Valle del Belice dairy sheep. Livestock Science, 2013, 154, 60-63.	0.6	1