

Salvatore Mastrangelo

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

1,642
citations

361045

20
h-index

377514

34
g-index

78
all docs

78
docs citations

78
times ranked

1302
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. <i>Genetics Selection Evolution</i> , 2017, 49, 84.	1.2	146
2	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
3	Runs of homozygosity reveal genome-wide autozygosity in Italian sheep breeds. <i>Animal Genetics</i> , 2018, 49, 71-81.	0.6	67
4	Genome-wide identification of runs of homozygosity islands and associated genes in local dairy cattle breeds. <i>Animal</i> , 2018, 12, 2480-2488.	1.3	65
5	On the origin of European sheep as revealed by the diversity of the Balkan breeds and by optimizing population-genetic analysis tools. <i>Genetics Selection Evolution</i> , 2020, 52, 25.	1.2	58
6	Genome-Wide Variation, Candidate Regions and Genes Associated With Fat Deposition and Tail Morphology in Ethiopian Indigenous Sheep. <i>Frontiers in Genetics</i> , 2018, 9, 699.	1.1	56
7	Conservation status and historical relatedness of Italian cattle breeds. <i>Genetics Selection Evolution</i> , 2018, 50, 35.	1.2	50
8	A genomic map of climate adaptation in Mediterranean cattle breeds. <i>Molecular Ecology</i> , 2019, 28, 1009-1029.	2.0	46
9	Genome-wide analysis in endangered populations: a case study in Barbaresca sheep. <i>Animal</i> , 2017, 11, 1107-1116.	1.3	45
10	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
11	Genetic diversity and population structure of Sicilian sheep breeds using microsatellite markers. <i>Small Ruminant Research</i> , 2012, 102, 18-25.	0.6	41
12	Genome wide linkage disequilibrium and genetic structure in Sicilian dairy sheep breeds. <i>BMC Genetics</i> , 2014, 15, 108.	2.7	33
13	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
14	The genetic heritage of Alpine local cattle breeds using genomic SNP data. <i>Genetics Selection Evolution</i> , 2020, 52, 40.	1.2	32
15	Insights into Genetic Diversity, Runs of Homozygosity and Heterozygosity-Rich Regions in Maremmana Semi-Feral Cattle Using Pedigree and Genomic Data. <i>Animals</i> , 2020, 10, 2285.	1.0	32
16	The genome-wide structure of two economically important indigenous Sicilian cattle breeds1. <i>Journal of Animal Science</i> , 2014, 92, 4833-4842.	0.2	31
17	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
18	Genome-wide scan of fat-tail sheep identifies signals of selection for fat deposition and adaptation. <i>Animal Production Science</i> , 2019, 59, 835.	0.6	29

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19	Genome-Wide SNP Analysis Reveals the Population Structure and the Conservation Status of 23 Italian Chicken Breeds. <i>Animals</i> , 2020, 10, 1441.	1.0	28
20	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
21	A Combined Multi-Cohort Approach Reveals Novel and Known Genome-Wide Selection Signatures for Wool Traits in Merino and Merino-Derived Sheep Breeds. <i>Frontiers in Genetics</i> , 2019, 10, 1025.	1.1	24
22	Genome-wide scan for selection signatures reveals novel insights into the adaptive capacity in local North African cattle. <i>Scientific Reports</i> , 2020, 10, 19466.	1.6	24
23	The climatic and genetic heritage of Italian goat breeds with genomic SNP data. <i>Scientific Reports</i> , 2021, 11, 10986.	1.6	23
24	Genome-wide detection of signatures of selection in three Valdostana cattle populations. <i>Journal of Animal Breeding and Genetics</i> , 2020, 137, 609-621.	0.8	22
25	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
26	Refining the genetic structure and relationships of European cattle breeds through meta-analysis of worldwide genomic SNP data, focusing on Italian cattle. <i>Scientific Reports</i> , 2020, 10, 14522.	1.6	19
27	Fifteen Shades of Grey: Combined Analysis of Genome-Wide SNP Data in Steppe and Mediterranean Grey Cattle Sheds New Light on the Molecular Basis of Coat Color. <i>Genes</i> , 2020, 11, 932.	1.0	19
28	Genome-wide analysis reveals the patterns of genetic diversity and population structure of 8 Italian local chicken breeds. <i>Poultry Science</i> , 2021, 100, 441-451.	1.5	18
29	Genome-wide analyses reveal population structure and identify candidate genes associated with tail fatness in local sheep from a semi-arid area. <i>Animal</i> , 2021, 15, 100193.	1.3	18
30	On the origin and diversification of Podolian cattle breeds: testing scenarios of European colonization using genome-wide SNP data. <i>Genetics Selection Evolution</i> , 2021, 53, 48.	1.2	18
31	The genetics of phenotypic plasticity in livestock in the era of climate change: a review. <i>Italian Journal of Animal Science</i> , 2020, 19, 997-1014.	0.8	17
32	Quantitative determination of casein genetic variants in goat milk: Application in Girgentana dairy goat breed. <i>Food Chemistry</i> , 2016, 192, 760-764.	4.2	16
33	Genetic polymorphism at the CSN1S1 gene in Girgentana dairy goat breed. <i>Animal Production Science</i> , 2013, 53, 403.	0.6	15
34	Genome-wide diversity and runs of homozygosity in the <i>œBraque Français</i> , type Pyrénées dog breed. <i>BMC Research Notes</i> , 2018, 11, 13.	0.6	15
35	Runs of homozygosity in the Italian goat breeds: impact of management practices in low-input systems. <i>Genetics Selection Evolution</i> , 2021, 53, 92.	1.2	15
36	Study of polymorphisms in the promoter region of ovine β -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

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37	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
38	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
39	Genome-Wide Analyses Identifies Known and New Markers Responsible of Chicken Plumage Color. <i>Animals</i> , 2020, 10, 493.	1.0	13
40	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
41	Genome-Wide Patterns of Homozygosity Reveal the Conservation Status in Five Italian Goat Populations. <i>Animals</i> , 2021, 11, 1510.	1.0	13
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	Genetic Characterisation of CSN2 Gene in Girgentana Goat Breed. <i>Italian Journal of Animal Science</i> , 2014, 13, 3414.	0.8	12
44	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
45	Genomic characterization of Algerian Guelmoise cattle and their genetic relationship with other North African populations inferred from SNP genotyping arrays. <i>Livestock Science</i> , 2018, 217, 19-25.	0.6	12
46	Genetic structure of Tunisian sheep breeds as inferred from genome-wide SNP markers. <i>Small Ruminant Research</i> , 2020, 191, 106192.	0.6	12
47	Comparative selection signature analyses identify genomic footprints in Reggiana cattle, the traditional breed of the Parmigiano-Reggiano cheese production system. <i>Animal</i> , 2020, 14, 921-932.	1.3	12
48	Identification of Copy Number Variations and Genetic Diversity in Italian Insular Sheep Breeds. <i>Animals</i> , 2022, 12, 217.	1.0	12
49	Association study between β -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
50	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
51	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
52	Weighted Single-Step Genome-Wide Association Study Uncovers Known and Novel Candidate Genomic Regions for Milk Production Traits and Somatic Cell Score in Valle del Belice Dairy Sheep. <i>Animals</i> , 2022, 12, 1155.	1.0	10
53	Molecular Characterisation of β -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
54	Genomic characterization of the Braque Français type Pyrénées dog and relationship with other breeds. <i>PLoS ONE</i> , 2018, 13, e0208548.	1.1	9

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55	Genome-wide detection of copy-number variations in local cattle breeds. <i>Animal Production Science</i> , 2019, 59, 815.	0.6	9
56	12S rRNA mitochondrial gene as marker to trace Sicilian mono-species dairy products. <i>Livestock Science</i> , 2016, 193, 39-44.	0.6	8
57	Genome-Wide Analysis Reveals Selection Signatures Involved in Meat Traits and Local Adaptation in Semi-Feral Maremmana Cattle. <i>Frontiers in Genetics</i> , 2021, 12, 675569.	1.1	8
58	Genetic Variability at β -casein Gene in Girgentana Dairy Goat Breed. <i>Italian Journal of Animal Science</i> , 2014, 13, 2997.	0.8	7
59	Development and validation of RP-HPLC method for the quantitative estimation of β -1-genetic variants in goat milk. <i>Food Chemistry</i> , 2014, 156, 165-169.	4.2	7
60	A combined genome-wide approach identifies a new potential candidate marker associated with the coat color sidedness in cattle. <i>Livestock Science</i> , 2019, 225, 91-95.	0.6	7
61	A Genome-Wide Detection of Copy Number Variations Using SNP Genotyping Arrays in Braque Franais Type Pyrnes Dogs. <i>Animals</i> , 2019, 9, 77.	1.0	7
62	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
63	Genomic Structural Diversity in Local Goats: Analysis of Copy-Number Variations. <i>Animals</i> , 2020, 10, 1040.	1.0	7
64	Genome-wide diversity of Pagliarola sheep residual population and its conservation implication. <i>Italian Journal of Animal Science</i> , 2021, 20, 1695-1705.	0.8	7
65	Genome-wide survey on three local horse populations with a focus on runs of homozygosity pattern. <i>Journal of Animal Breeding and Genetics</i> , 2022, 139, 540-555.	0.8	7
66	Detection of genomic regions underlying milk production traits in Valle del Belice dairy sheep using regional heritability mapping. <i>Journal of Animal Breeding and Genetics</i> , 2021, 138, 552-561.	0.8	6
67	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
68	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
69	High-Density Genomic Characterization of Native Croatian Sheep Breeds. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	5
70	Population genetic structure and milk production traits in Girgentana goat breed. <i>Animal Production Science</i> , 2017, 57, 430.	0.6	4
71	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
72	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

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73	The Sicilian rock partridge: latest data on genetic integrity from four different relict areas. Turkish Journal of Zoology, 0, , .	0.4	1
74	The Girgentana Goat Breed: A Zootechnical Overview on Genetics, Nutrition and Dairy Production Aspects. , 2017, , 191-203.		1
75	Genome-wide association study for milk production traits in an economically important local dairy sheep breed. Italian Journal of Animal Science, 2021, 20, 1500-1505.	0.8	0